



November 8, 2023

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ENSTROM F-28/280 SERIES ILLUSTRATED PARTS CATALOG

1987 Edition

Revision 10, dated November 8, 2023 applies to the Enstrom F-28/280 Series Illustrated Parts Catalog, 1987 Edition. Place this cover sheet behind the "Log of Revisions" sheet at the front of your manual after removing and inserting the pages listed below.

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7-36	Original	8-13
7-37	Original	8-14
7-38	Original	8-15
7-39	Original	8-16
7-40	Original	8-17
7-41	Original	8-18
7-42	Original	8-19
7-43	Original	8-20
7-44	Original	8-20.1
7-45	Original	8-21
7-46	Original	8-22
7-47	Original	8-23
7-48	Original	8-24
7-49	Original	8-24.1
7-50	Original	8-24.2
7-51	Original	8-25
7-52	Original	8-26
7-53	Original	8-27
7-54	Original	8-28
7-55	Original	8-28.1
7-56	Original	8-28.2
7-57	Original	8-29
8-1	Nov 8/23	8-30
8-1.1	Nov 8/23	8-31
8-2	May 17/23	8-31.1
8-2.1	May 17/23	8-31.2
8-2.2	May 17/23	8-31.3
8-2.3	May 17/23	8-32
8-3	May 17/23	8-33
8-4	May 17/23	8-34
8-5	May 17/23	8-34.1
8-5A	May 17/23	8-34.2
8-5.2	May 17/23	8-34.3
8-5.3	May 17/23	8-35
8-6	May 17/23	8-36
8-6.1	May 17/23	8-36.1
8-6.2	May 17/23	8-36.2
8-6.3	May 17/23	8-37
8-6.4	May 17/23	8-38
8-6.5	May 17/23	8-39
8-7	May 17/23	8-40
8-7.1	May 17/23	8-41

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8-44	Original	Nov 8/23
8-45	Original	Nov 8/23
8-46	Original	Nov 8/23
8-47	Original	Nov 8/23
8-48	Original	Nov 8/23
8-49	Original	Nov 8/23
8-50	Original	Nov 8/23
8-51	Original	Nov 8/23
9-1	Apr 22/19	Nov 8/23
9-2	Apr 22/19	Nov 8/23
9-3	Apr 22/19	Nov 8/23
9-4	Apr 22/19	Nov 8/23
9-5	Apr 22/19	Nov 8/23
9-6	Apr 22/19	Nov 8/23
9-7	Apr 22/19	Nov 8/23
9-8	Apr 22/19	Nov 8/23
9-9	Apr 22/19	Nov 8/23
9-10	Feb 27/23	Nov 8/23
9-11	Feb 27/23	Nov 8/23
9-12	Feb 27/23	Nov 8/23
9-13	Apr 22/19	Nov 8/23
9-14	Apr 22/19	Nov 8/23
9-15	Feb 27/23	Nov 8/23
9-16	Feb 27/23	Nov 8/23
9-17	Feb 27/23	Nov 8/23
9-18	Apr 22/19	Nov 8/23
9-19	Apr 22/19	Nov 8/23
9-20	Apr 22/19	Nov 8/23
9-21	Apr 22/19	Nov 8/23
9-22	Apr 22/19	Nov 8/23
10-1	Apr 22/19	Nov 8/23
10-2	Apr 22/19	Nov 8/23
10-3	Apr 22/19	Nov 8/23
10-4	Apr 22/19	Nov 8/23
10-5	Apr 22/19	Nov 8/23
10-6	Apr 22/19	Nov 8/23
10-7	Apr 22/19	Nov 8/23
10-8	Apr 22/19	Nov 8/23
10-9	Apr 22/19	Nov 8/23
10-10	Apr 22/19	Nov 8/23
10-11	Apr 22/19	Nov 8/23
10-12	Apr 22/19	Nov 8/23
10-13	Apr 22/19	Nov 8/23
10-14	Apr 22/19	Nov 8/23
11-0	Nov 8/23	Nov 8/23
11-1	Nov 8/23	Nov 8/23
11-2	Nov 8/23	Nov 8/23

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11-54	Nov 8/23	Nov 8/23
11-55	Nov 8/23	Nov 8/23
11-56	Nov 8/23	Nov 8/23
11-57	Nov 8/23	Nov 8/23
11-58	Nov 8/23	Nov 8/23
11-59	Nov 8/23	Nov 8/23
11-60	Nov 8/23	Nov 8/23
11-61	Nov 8/23	Nov 8/23
11-62	Nov 8/23	Nov 8/23
11-63	Nov 8/23	Nov 8/23
11-64	Nov 8/23	Nov 8/23
11-65	Nov 8/23	May 17/23
11-66	Nov 8/23	May 17/23
11-67	Nov 8/23	May 17/23
11-68	Nov 8/23	May 17/23
11-69	Nov 8/23	May 17/23
11-70	Nov 8/23	May 17/23
11-71	Nov 8/23	May 17/23
11-72	Nov 8/23	May 17/23
11-73	Nov 8/23	May 17/23
11-74	Nov 8/23	May 17/23
11-75	Nov 8/23	May 17/23
11-76	Nov 8/23	May 17/23
11-77	Nov 8/23	May 17/23
11-78	Nov 8/23	May 17/23
11-79	Nov 8/23	May 17/23
11-80	Nov 8/23	Original
11-81	Nov 8/23	Original
11-82	Nov 8/23	Original
11-83	Nov 8/23	Original
11-84	Nov 8/23	Original
11-85	Nov 8/23	Original
11-86	Nov 8/23	Original
11-87	Nov 8/23	Original
11-88	Nov 8/23	May 17/23
11-89	Nov 8/23	May 17/23
11-90	Nov 8/23	May 17/23
11-91	Nov 8/23	May 17/23
11-92	Nov 8/23	May 17/23
11-93	Nov 8/23	May 17/23
11-94	Nov 8/23	Nov 8/23
11-95	Nov 8/23	May 17/23
11-96	Nov 8/23	May 17/23
11-97	Nov 8/23	May 17/23
11-98	Nov 8/23	May 17/23
11-99	Nov 8/23	May 17/23
11-100	Nov 8/23	Original
11-101	Nov 8/23	Nov 8/23
11-102	Nov 8/23	Nov 8/23
11-103	Nov 8/23	Nov 8/23
11-104	Nov 8/23	Nov 8/23
11-105	Nov 8/23	Nov 8/23
11-106	Nov 8/23	Nov 8/23
11-107	Nov 8/23	Nov 8/23
11-108	Nov 8/23	Nov 8/23
11-109	Nov 8/23	Nov 8/23
11-110	Nov 8/23	Nov 8/23
11-111	Nov 8/23	Nov 8/23
11-112	Nov 8/23	Nov 8/23
12-0	Nov 8/23	Nov 8/23
12-0.1	Nov 8/23	May 17/23
12-0.2	Nov 8/23	May 17/23
12-0.3	Nov 8/23	May 17/23
12-0.4	Nov 8/23	May 17/23
12-0.5	Nov 8/23	May 17/23
12-1	Nov 8/23	May 17/23
12-2	Nov 8/23	May 17/23
12-2.1	Nov 8/23	May 17/23
12-2.2	Nov 8/23	May 17/23
12-3	Nov 8/23	May 17/23
12-3.1	Nov 8/23	May 17/23
12-4	Nov 8/23	May 17/23
12-5	Nov 8/23	May 17/23
12-5.1	Nov 8/23	May 17/23
12-5.2	Nov 8/23	May 17/23
12-6	Nov 8/23	Original
12-7	Nov 8/23	Original
12-8	Nov 8/23	Original
12-9	Nov 8/23	Original
12-10	Nov 8/23	Original
12-11	Nov 8/23	Original
12-12	Nov 8/23	Original
12-13	Nov 8/23	Original
12-14	Nov 8/23	May 17/23
12-15	Nov 8/23	May 17/23
12-15.1	Nov 8/23	May 17/23
12-15.2	Nov 8/23	May 17/23
12-16	Nov 8/23	May 17/23
12-17	Nov 8/23	May 17/23
12-18	Nov 8/23	Nov 8/23
12-18.1	Nov 8/23	May 17/23
12-18.2	Nov 8/23	May 17/23
12-18.3	Nov 8/23	May 17/23
12-18.4	Nov 8/23	May 17/23
12-18.5	Nov 8/23	May 17/23
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12-21	Original	B-5 Feb 27/23
12-22	Original	B-6 Feb 27/23
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12-24	Original	B-8 Feb 27/23
12-25	Original	B-9 Feb 27/23
12-26	Nov 8/23	B-10 Feb 27/23
12-27	Nov 8/23	B-11 Feb 27/23
12-28	Nov 8/23	B-12 Feb 27/23
12-29	Nov 8/23	B-13 Feb 27/23
13-1	Apr 22/19	B-14 Feb 27/23
13-2	Apr 22/19	B-15 Feb 27/23
A-1	Sep 30/13	B-16 Feb 27/23
A-2	Sep 30/13	B-17 Feb 27/23
A-3	Mar 24/17	B-18 Feb 27/23
A-4	Feb 27/23	B-19 Feb 27/23
A-5	Mar 24/17	B-20 Feb 27/23
A-6	Mar 24/17	B-21 Feb 27/23
B-1	Feb 27/23	B-22 Feb 27/23
B-2	Feb 27/23	B-23 Feb 27/23
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FIGURES 7-4C, 7-4D, 8-1 THROUGH 8-11, 12-1A THROUGH 12-2B, 12-5, 12-6A, AND 12-10

Part Number	Figure	Item	Part Number	Figure	Item
00-15073-01	3-30	30A	037360-104	3-3	280
01-0770001-41	6-4	20	037360-115	3-3	160
01-0770001-51	6-4	10	037360-124	3-28	—
01-0770006-08	6-6	150A	037360-160	3-3	280
01-0770028-05	6-6	150	037360-161	3-3	160
01-0770028-05	6-6	150A	037360-161	3-3	280
01-0770029	6-4	140	07DU08	5-2	140
01-0770029-R	6-6	90	08DU08	8-1	190
01-0770034-02	6-5	180	09455-01-824-08E-011	5-3	520
01-0770054-00	6-5	130	099001-174	3-27	20
01-0770054-02	6-5	120	099001-176	3-27	10
01-0770119-09	6-4	350	099001-177	3-27	30
01-0770119-15	11-8	80	099001-178	3-27	40
01-0770119-15	11-9	90	099005-401	3-27	50
01-0790006-00	6-5	150	09-DU-10	8-10	390
01-0790006-01	6-5	170	09-DU-12	8-9	400
01-0790006-02	6-5	140	09-DU-12	8-10	400
01-0790006-03	6-5	160	1	3-3	320
01-0790340-03	6-5	170	1	3-4	80
01-0790340-04	6-5	160	1	3-5	110
0110	11-1	—	1/2-6NA	11-19	225
0110	11-2	—	1/4 Harper	12-5	90
0110	11-3	—	1/4 Harper	12-6A	140
0110	11-4	300	1/4 Harper	3-3	60
01-691-04	12-5	160	1/4 Harper	5-1	110
01-691-05	8-4	100	1/4 Harper	5-3	370
01-824-08E-011	4-4	200	1/4 Harper	5-5	120
01-824-08E-011	5-3	520	1/4 Harper	8-11	160
02-0250276-00	6-6	130	1/4 Harper	8-11	20
02-0350003-01	6-4	—	1/4 Harper	8-3	110
02-0350003-01	6-4	—	1/4 Harper	8-5	350
02-0350003-01	6-4	—	1/4 Harper	12-10	290
02-0350281-0	6-4	—	1/4 Harper	8-8	120
02-03705534-00	6-4	—	1/4" O.D. X 24" Long	6-13	150
02-691-04	5-2	170	1/4-6NA	11-16	40
02A21376	3-23	650	1/8"	6-13	160
02A22619	3-8	190	1/8-6NA	6-4	190
037360-004	3-28	—	1/8X8-32	3-24	450

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FIGURES 7-4C, 7-4D, 8-1 THROUGH 8-11, 12-1A THROUGH 12-2B, 12-5, 12-6A, AND 12-10

Part Number	Figure	Item	Part Number	Figure	Item
10005498	3-26	50	12500750-125B	4-4	140
10065 H1L5	4-2	80	12528Y-A164	12-2B	20
101678-0002	3-8	110	12B	9-2	35
10-176485-121	6-1	100	12LHTA17-M62	3-18	—
102-00007	5-6	170	12LHTA1-M62	3-18	—
10-357290-1	11-8	275	12T35-2	11-5	160
10-357290-1	11-9	165	12TS15-2	11-8	265
10-357290-1	11-1	270	12TS15-2	11-9	150
10-357290-1	11-2	160	12TS15-2	11-5	160
10-357290-1	11-3	160	12TS15-2	11-7	560
10-357290-1	11-5	10	13241-LDS	5-6	—
10-357290-1	11-6	370	1-480305-0	11-8	—
10-357290-1	11-7	580	1-480318-0	11-7	—
103574-00	3-3	200	1-480319-0	6-11	—
10-382780-12	6-2	40	1-480319-0	11-7	—
1040	11-8	90	149-24HT	3-31	—
1040	11-9	85	1500-052-1	11-1	330
1040	11-1	410	1500-052-1	11-2	220
1040	11-2	310	1500-052-1	11-3	220
1040	11-3	310	1500-052-1	11-4	220
1040	11-4	290	1500-052-1	11-5	230A
1040	11-5	40	1500-052-2	6-3	—
1040	11-6	170	1500-052-2	11-1	70
1040	11-7	190	1500-052-2	11-5	250
10-400608-123	6-1	100	1500-052-2	11-6	190
10-400608-123	6-2	40	1500-052-205	11-5	230
10-400608-243	6-2	40	1500-052-205	11-6	400
1061	3-24	—	1500-056-3	11-6	410
1102	5-6	244	15-0007-5	6-5	10
1-10-AM5201	9-5	5	1512	6-6	350
11-691-04	12-5	140	1512-140	6-4	90
11-691-05	8-4	130	1539-001	12-1A	200
1219-4200-Z3Y	3-2	113	1540	5-6	—
1219-4200-Z3Y	3-20	—	1540	5-7	90
1219-4200-Z3Y	3-20B	—	1592-30	11-1	—
1219-4200-Z3Y	3-20B	—	1592-30	11-2	—
1239	3-9	21	1592-30	11-3	—
12500750	4-4	140	1592-30	11-4	—

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FIGURES 7-4C, 7-4D, 8-1 THROUGH 8-11, 12-1A THROUGH 12-2B, 12-5, 12-6A, AND 12-10

Part Number	Figure	Item	Part Number	Figure	Item
1592-30	11-5	–	169E-910-12L	11-3	140
15PA90-4R	11-8	270	169E-910-12L	11-4	140
15PA90-4R	11-9	155	169E-910-14-4L	11-1	200
15PA90-4R	11-7	570	169E-910-14-4L	11-2	90
160-012-70	11-8	190	169E-910-14-4L	11-3	90
160-012-70	11-9	160	169E-910-14-4L	11-4	90
160-012-70	11-7	410	169E-910-14-5L	11-3	–
16-1	12-10	320	169E-910-15-1L	11-3	–
1637-B	12-2A	50	169E-910-15L	11-1	220
1637-B	4-1	330	169E-910-15L	11-2	110
1637-B	8-1	70	169E-910-15L	11-3	110
1637-B1	8-3A	180	169E-910-15L	11-4	110
1641-B	4-1	260	169E-914-1L	11-1	210
1641-B	4-2	160	169E-914-1L	11-2	100
1641-B	5-4	320	169E-914-1L	11-3	100
1641-B	8-4	90	169E-914-1L	11-4	100
1650	4-2	160	169E-914-2L	11-3	–
1650	5-4	130	16DU12	8-5	230
1650	12-10	220	16-DU-12	8-3A	60
1678	11-9	180	16-DU-14	8-3A	60
1684	11-8	200	16-DU-16	8-3A	60
1684	11-7	430	1728-B	5-3	270
1687	11-8	245	1815	11-1	–
1687	11-7	530	1815	11-3	–
1691-C	3-8	120	1815	11-5	–
169E-190-12L	11-2	140	1816	6-4	120
169E-909-2L	11-1	240	1816	6-5	20
169E-909-2L	11-2	130	18207	3-26	150
169E-909-2L	11-3	130	18286-00	3-26	130
169E-909-2L	11-4	130	183204	3-26	150
169E-909-3L	11-3	–	184969	3-4	120
169E-910-11-3L	11-3	–	1877	12-10	110
169E-910-11L	11-1	230	1886	11-18	130
169E-910-11L	11-2	120	1886	12-2B	150
169E-910-11L	11-3	120	1911-B	4-1	320
169E-910-11L	11-4	120	1911-B	5-4	320
169E-910-12-1L	11-3	–	1911-B	8-3A	180
169E-910-12L	11-1	250	1911-B1	11-18	70

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FIGURES 7-4C, 7-4D, 8-1 THROUGH 8-11, 12-1A THROUGH 12-2B, 12-5, 12-6A, AND 12-10

Part Number	Figure	Item	Part Number	Figure	Item
1911-B1	12-2B	140	20TC2-CA-20	11-2	190
1911-B1	8-1	70	20TC2-CA-20	11-3	190
19-130074-009	6-6	100	20TC2-CA-20	11-4	190
19-150002-009	6-4	—	20TC2-CA-20	11-5	200A
19-150002-009	6-4	—	20TC2-CA-20	11-6	470
19-150002-009	6-4	—	20TC2-CA-3	11-1	260
1B7536	5-6	135	20TC2-CA-3	11-2	150
1SE1	5-1	310	20TC2-CA-3	11-3	150
2000653-001	6-5	10	20TC2-CA-3	11-4	150
20040S	10-1	18	20TC2-CA-3	11-5	190A
20040S	3-3	260	20TC2-CA-3	11-6	480
20042A	3-6	10	20TC2-CA-5	11-3	170
20042A	3-7	180	20TC2-CA-5	11-4	170
20044S	10-1	4	20TC2-CA-5	11-5	180A
20-0824130A00	6-4	—	20TC2-CA-5	11-6	460
2-010	3-26	80	20TC2-CA-7.5	11-1	140
201F-5006	3-31	—	20TC2-CA-7.5	11-1	290
201NP	5-3	300	20TC2-CA-7.5	11-2	30
20206A	3-7	310	20TC2-CA-7.5	11-2	180
2-025 E515-80	4-4	110	20TC2-CA-7.5	11-3	30
2-025 E515-80	4-4	40	20TC2-CA-7.5	11-3	180
2-026	3-9	60	20TC2-CA-7.5	11-3	210
2-029	4-2	140	20TC2-CA-7.5	11-3	230
202A-13BTR	11-3	330	20TC2-CA-7.5	11-4	30
202A-13BTR	11-5	270	20TC2-CA-7.5	11-4	160
202A-13BTR	11-16	10	20TC2-CA-7.5	11-4	180
202A-1A	11-2	330	20TC2-CA-7.5	11-4	210
202A-1ATR	11-4	—	20TC2-CA-7.5	11-4	230
20526	5-4	290	20TC2-CA-7.5	11-5	170A
206036-1	8-5	190	20TC2-CA-7.5	11-6	—460A
206037-1	8-5	200	210A155	8-9	100
206044-1	8-5	200A	210A155	8-10	100
206070-1	8-5	210	210A249	8-9	—110
206322-1	8-5	210A	210A249	8-10	—110
20TC2-CA-10	11-6	—470A	2-137 E515-80	4-4	150
20TC2-CA-15	11-1	280	21FA-540	12-1A	130
20TC2-CA-15	11-2	170	21FA-540	5-6	—
20TC2-CA-20	11-1	300	2212A	3-22	250

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FIGURES 7-4C, 7-4D, 8-1 THROUGH 8-11, 12-1A THROUGH 12-2B, 12-5, 12-6A, AND 12-10

Part Number	Figure	Item	Part Number	Figure	Item
2212A	3-23	260	28-00016-3	11-21	60
2-214	3-9	70	28-00017-1	11-21	—
2-214	5-6	200	28-00018-1	11-21	—
22-169-09-1L	11-1	190	28-01011-3	6-13	200
22-169-09-1L	11-2	80	28-01026-1	11-5	270B
22-169-09-1L	11-3	80	28-01026-11	11-19	70
22-169-09-1L	11-4	80	28-01026-11	11-17	—
2-218	3-9	40	28-01026-3	11-5	270A
222	11-1	380	28-01026-3	11-17	—
222	11-2	280	28-01039-1	3-3	—
222	11-3	280	28-01041-1	12-1B	130
222	11-4	—	28-01041-3	12-1B	130
222	11-5	—	28-01058-15	3-5.1	—
22-370-60	11-8	405	28-01058-3	3-5.1	140
22-370-60	11-9	315	280-113006-19	3-10	20
22-370-60	11-1	—	280-113016-29	6-10	80
22-370-60	11-2	—	280-113016-31	6-10	90
22-370-60	11-3	—	280-113019-31	6-9	80
22-370-60	11-4	—	280-113033-1	9-1	1B
22-370-60	11-5	—	280-113033-3	9-1	1C
22-370-60	11-7	880	280-124001-1	3-22	10
229001P	6-12	70	280-124001-1	3-23	10
2-326 E515-80	4-4	90	280-124001-1	3-24	490
2335-265-1	11-8	460	280-124001-1	3-26	—
2335-265-1	11-9	370	280-124001-3	3-26	190
2335-265-1	11-5	—	280-124301-1	3-24	10
2335-265-1	11-7	980	280-124301-15	3-24	—
23S-094-0625	4-3	70	280-124301-16	3-24	—
2524917-1	3-31	—	280-124301-2	3-24	20
270624141H0080	3-22	220	280-124301-901	3-24	10
2716-00	11-5	—	280-124301-902	3-24	20
28-00013-1	11-21	190	280-126001-109	3-20	—
28-00013-3	11-21	200	280-126001-109	3-20A	—
28-00014-1	11-21	10	280-126001-109	3-20B	—
28-00014-3	11-21	20	280-126001-11	3-20B	—
28-00015-1	11-21	30	280-126001-15	3-20	—
28-00015-3	11-21	40	280-126001-15	3-20A	—
28-00016-1	11-21	50	280-126001-15	3-20B	—

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FIGURES 7-4C, 7-4D, 8-1 THROUGH 8-11, 12-1A THROUGH 12-2B, 12-5, 12-6A, AND 12-10

Part Number	Figure	Item	Part Number	Figure	Item
280-126001-3	3-20B	–	280-127505-17	3-20	–
280-126001-33	3-19	90	280-127505-17	3-20A	–
280-126001-33	3-20B	–	280-127505-17	3-20B	–
280-126001-34	3-20	–	280-127505-17	3-5.1	70
280-126001-35	3-19	110	280-127507-11	10-2	17
280-126001-37	3-19	130	280-180000	11-3	–
280-126001-39	3-19	120	280-180000	11-4	–
280-126001-41	3-19	100	280-180001-11	9-2	9
280-126001-45	3-6	290	280-180001-12	9-2	8
280-126001-45	3-7	220	280-180001-13	9-2	10
280-126001-47	3-6	280	280-180003-3	11-6	300
280-126001-47	3-7	230	280-180004	11-3	250
280-126001-51	3-19	80	280-180004-19	11-4	250
280-126001-51	3-20	–	280-180004-21	11-3	260
280-126001-51	3-20B	–	280-180004-21	11-4	260
280-126001-53	3-20	–	280-180004-25	11-6	160
280-126001-53	3-20A	–	280-180005-1	11-4	320
280-126001-53	3-20B	–	280-180005-2	11-4	310
280-126001-55	3-20	–	280-180006-1	9-2	6
280-126001-55	3-20A	–	280-180007-1	11-21	1090
280-126001-55	3-20B	–	280-181000-1	11-15	–
280-126001-69	3-20	610	280-181000-11	11-15	30
280-126001-69	3-20A	610	280-181000-13	11-15	35
280-126001-69	3-20B	610	280-181000-13	11-14	–40A
280-126001-9	3-20	210	280-181000-15	11-15	40
280-126001-9	3-20A	210	280-181000-17	11-15	5
280-126001-9	3-20B	210	280-181000-19	11-15	10
280-126001-906	3-20B	20	280-181000-21	11-15	70
280-126001-908	3-20	20	280-181000-23	11-15	45
280-126001-908	3-20A	20	280-181000-25	11-15	50
280-126002-1	3-6	190	280-181000-911	11-12	–110A
280-126002-1	3-7	210	280-181000-911	11-14	–30A
280-126003-1	3-6	240	280-181000-913	11-12	–90A
280-126003-1	3-7	170	280-181000-915	11-12	–100A
280-127500-11	10-2	16	280-181000-915	11-14	–50A
280-127502-1	10-2	20	280-181000-917	11-12	–80A
280-127505-13	10-2	18	280-181000-917	11-14	–60A
280-127505-17	3-18	–	280-181000-919	11-12	–60A

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FIGURES 7-4C, 7-4D, 8-1 THROUGH 8-11, 12-1A THROUGH 12-2B, 12-5, 12-6A, AND 12-10

Part Number	Figure	Item	Part Number	Figure	Item
280-181000-919	11-14	-70A	28-113101-1	7-4C	500
280-181000-921	11-12	-70A	28-113101-2	7-4C	-510
280-181000-921	11-14	-80A	28-113101-3	7-4C	380
280-210004-5	6-5	-	28-113101-4	7-4C	-390
280-210007-1	6-8	30	28-113103-1	7-4C	540
280-210007-11	6-8	-	28-113103-2	7-4C	-550
280-210007-13	6-8	-	28-113103-3	7-4C	480
280-210007-3	6-8	30	28-113103-4	7-4C	-490
280-221001	9-3	-	28-113107-11	3-11	-
28-10-60-11	6-13	210	28-113107-13	3-11	-
28-111004-1	3-10	130	28-113107-15	3-11	-
28-111004-1	3-15	150	28-113108-11	3-11	-
28-111004-15	3-15	150	28-113108-13	3-11	-
28-111004-17	3-15	150	28-113108-15	3-11	-
28-11112-1	3-6	140	28-113112-11	7-4C	410
28-11112-1	3-7	110	28-113112-12	7-4C	-420
28-11120-1	11-11	160	28-113113-11	7-4C	370
28-11121-4	11-11	210	28-113113-13	7-4C	310
28-11121-4	11-14	80	28-113114-1	7-4C	200
28-11121-7	11-11	170	28-113114-2	7-4C	-210
28-11121-901	11-11	230	28-113118-11	7-4C	220
28-11121-901	11-12	70	28-113118-12	7-4C	-230
28-11128-1	5-1	460	28-113120-11	7-4C	400
28-11238-1	12-2A	-55	28-113122-1	7-4C	150
28-11298-13	3-12	10	28-113122-2	7-4C	-160
28-11303-1	9-1	1	28-113122-3	7-4C	170
28-11303-4	9-1	12	28-113122-4	7-4C	-180
28-11303-5	9-1	1A	28-113124-11	7-4C	580
28-113040-11	9-1	2	28-113124-12	7-4C	-590
28-113040-13	9-1	2A	28-113125-11	7-4C	560
28-113042-11	9-1	9	28-113125-12	7-4C	-570
28-113054-1	6-5	250	28-113128-11	7-4C	660
28-113054-1	7-4D	10	28-113129-11	7-4C	640
28-113054-12	7-4D	20	28-113134-11	7-4C	600
28-113055-1	7-4D	-	28-113134-12	7-4C	-610
28-113069-1	9-1	14	28-113135-11	7-4C	320
28-11307-901	8-5	560	28-113135-12	7-4C	-330
28-11307-902	8-5	-550	28-113136-11	7-4C	340

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FIGURES 7-4C, 7-4D, 8-1 THROUGH 8-11, 12-1A THROUGH 12-2B, 12-5, 12-6A, AND 12-10

Part Number	Figure	Item	Part Number	Figure	Item
28-113136-12	7-4C	-350	28-11600-20	9-1	26
28-113139-1	7-4C	10	28-11600-21	9-1	27
28-113139-2	7-4C	-20	28-116002-13	6-11	140
28-113140-1	7-4C	430	28-116002-15	6-11	140
28-11360-1	6-9	70	28-11600-3	9-1	17
28-11395-1	9-2	5	28-11600-4	9-1	18
28-11395-1	9-3	50	28-116004-3	9-1	20
28-11395-1	9-4	50	28-11600-5	9-1	16
28-114016-7	3-5.1	160	28-116005-1	9-1	21
28-11404-1	9-2	11	28-11600-6	9-2	2A
28-11404-13	9-3	290	28-116006-1	9-1	22
28-11404-13	9-4	230	28-11600-7	9-2	1A
28-11430-1	9-1	11	28-116007-1	9-1	23
28-11431-1	9-1	13	28-11600-8	9-1	19
28-11452	10-1	22	28-116008-1	9-1	24
28-11461-1	9-5	100	28-11600-9	9-2	28A
28-11462-11	9-5	95	28-116009-1	9-1	25
28-11464-1	9-5	75	28-11603-1	9-2	3
28-11466-1	9-5	70	28-11608-11	9-3	30
28-11468-2	9-5	35	28-11608-11	9-4	30
28-11475-1	9-5	90	28-11608-13	9-3	30
28-11500-1	3-17	–	28-11608-13	9-4	30
28-11500-5	3-17	50	28-11610-3	9-3	–
28-11501-1	3-16	–	28-11610-5	9-3	–
28-11501-10	3-16	20	28-11611-1	9-3	440
28-11501-12	3-16	10	28-11611-2	9-3	430
28-11501-15	3-16	10	28-11612-11	9-3	–
28-11501-17	3-16	10	28-11613-11	9-3	460
28-11501-3	3-16	–	28-11613-12	9-3	450
28-11501-3	3-17	10	28-11614-11	9-3	480
28-11501-4	3-16	40	28-11614-12	9-3	470
28-11501-4	3-17	170	28-11615-13	9-3	490
28-11501-901	3-16	50	28-11615-15	9-3	490
28-11502-5	3-16	60	28-11618-11	9-3	510
28-11504-1	9-2	43	28-11618-12	9-3	500
28-11600-13	9-2	1	28-11620-1	9-4	130
28-11600-17	9-2	2	28-11621-11	9-4	170
28-11600-19	9-2	28	28-11621-13	9-4	180

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FIGURES 7-4C, 7-4D, 8-1 THROUGH 8-11, 12-1A THROUGH 12-2B, 12-5, 12-6A, AND 12-10

Part Number	Figure	Item	Part Number	Figure	Item
28-11622-1	9-4	20	28-12118-2	3-9	10
28-11622-13	9-3	21	28-12122-1	3-9	20
28-11622-15	9-4	20A	28-12125-1	3-9	30
28-11622-17	9-3	21A	28-12127-11	3-9	80
28-11622-21	9-4	20A	28-12133-11	3-23	630
28-11623-1	9-4	—	28-12134-13	3-8	20
28-11623-2	9-4	—	28-12134-15	3-8	20
28-11624	9-4	—	28-12134-991	3-8	—
28-11625-11	9-4	160	28-12140-1	3-5	20
28-11625-13	9-3	420	28-12141-11	3-30	20A
28-11626	9-3	—	28-12142-1	3-22	60
28-121000-19	3-3	330	28-12145-1	3-5	10
28-121000-19	3-5	100	28-12146-1	3-22	450
28-121000-901	3-7	—	28-12146-1	3-23	450
28-12100-10	3-22	320	28-12149-1	3-20	40
28-121001-1	3-9	30	28-12149-1	3-20A	40
28-12100-12	3-22	450	28-12149-1	3-20B	40
28-12100-13	11-10	60	28-12150-1	3-7	350
28-121005-19	3-8	30	28-12151-1	3-7	300
28-12100-6	11-10	110	28-12155-1	3-8	60
28-12100-7	11-10	10	28-12155-15	3-8	65
28-121007-1	3-4	210	28-12158-11	3-7	370
28-12100-8	3-22	60	28-12160-11	3-7	340
28-121008-1	3-4	230	28-12162-1	3-3	250
28-121008-3	3-4	230	28-123005-5	3-4	70
28-12100-9	11-10	20	28-123007-1	3-3	70
28-12100-903	3-6	40	28-123007-11	3-3	70
28-12100-904	3-6	30	28-123009-11	3-3	80
28-121009-3	3-8	90	28-123009-13	3-3	90
28-121011-1	3-8	130	28-123009-15	3-3	90
28-12101-11	3-22	190	28-123009-17	3-3	80
28-121011-3	3-8	10	28-12301-1	3-1	20
28-121012-11	3-8	40	28-123011-1	3-4	160
28-121013-1	3-7	20	28-123012-1	3-4	130
28-121014-1	3-7	30	28-123013-1	3-4	110
28-12112-4	3-9	10	28-123014-1	3-4	20
28-12112-5	3-9	10	28-123015-1	3-4	10
28-12116-11	3-9	50	28-123016-1	3-4	200

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FIGURES 7-4C, 7-4D, 8-1 THROUGH 8-11, 12-1A THROUGH 12-2B, 12-5, 12-6A, AND 12-10

Part Number	Figure	Item	Part Number	Figure	Item
28-123017-1	3-7	100	28-124002-3	3-23	61
28-123018-1	3-23	210	28-12400-23	3-22	40
28-123019-1	3-2	280	28-12400-23	3-23	40
28-123019-1	3-3	40	28-124003-1	3-4	180
28-12302-1	3-1	10	28-124003-13	3-23	430
28-123022-11	3-3	10	28-124003-19	3-23	–
28-123024-1	3-4	150	28-124003-5	3-8	70
28-12305	10-1	13	28-124005-1	3-23	484
28-12305	10-1	2	28-124006-11	3-23	150
28-12305	10-2	14	28-12400-910	3-23	330
28-12305	10-2	2	28-12400-919	3-24	90
28-12305-1	3-18	40	28-12401-1	3-24	10
28-12313-1	3-1	150	28-12401-2	3-24	20
28-12329-1	3-1	120	28-12408-1	3-25	40
28-12329-1	3-2	280	28-12409-1	3-25	30
28-12335-1	3-2	40	28-12410-1	3-25	100
28-12341-1	3-2	90	28-12411-3	3-25	80
28-12344-11	3-2	–	28-12415-9	3-2	130
28-12345-1	3-2	–	28-12416-3	3-24	480
28-12350-1	3-2	110	28-12416-3	11-21	220
28-12350-2	3-2	110	28-12416-4	3-24	470
28-12350-3	3-2	110	28-12417-1	3-26	160
28-12350-5	3-2	110	28-12418-1	3-24	500
28-12353-1	3-2	70	28-12419-1	3-24	520
28-12354-1	3-2	20	28-12420-11	3-24	580
28-12354-2	3-2	20	28-12420-11	11-21	230
28-12357-1	3-1	100	28-12420-13	3-24	570
28-12357-1	3-2	50	28-12420-13	11-21	240
28-12358-1	3-2	200	28-12420-15	3-24	560
28-12359-11	3-3	–	28-12420-15	11-21	250
28-12359-13	3-3	–	28-12421-1	3-24	–
28-12360-1	3-3	190	28-12422-1	3-24	30
28-12361-1	3-2	10	28-12424-1	3-24	610
28-12362-1	3-2	–	28-12424-1	11-21	260
28-12362-1	3-2	100	28-12425-1	11-21	270
28-12400-12	3-24	260	28-12426-1	11-21	280
28-12400-12	11-13	160	28-12427-1	11-21	290
28-12400-16	3-24	50	28-12428-1	11-21	300

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FIGURES 7-4C, 7-4D, 8-1 THROUGH 8-11, 12-1A THROUGH 12-2B, 12-5, 12-6A, AND 12-10

Part Number	Figure	Item	Part Number	Figure	Item
28-12429-3	3-24	11	28-12470-11	11-8	335
28-12429-4	3-24	21	28-12470-11	11-9	265
28-12433-1	3-24	600	28-12470-11	11-15	—
28-12433-1	11-21	310	28-12470-11	11-15	—
28-12433-1	11-21	70	28-12470-11	11-7	710
28-12433-13	11-21	320	28-12471-11	11-8	445
28-12433-2	3-24	600	28-12471-11	11-9	350
28-12433-2	11-21	310	28-12471-11	11-15	—
28-12433-21	11-21	80	28-12471-11	11-7	940
28-12436-1	3-24	400	28-12472-11	11-8	345
28-12436-1	3-24	410	28-12472-11	11-9	275
28-12437-1	3-24	420	28-12472-11	11-15	—
28-12437-3	3-24	420	28-12472-11	11-7	700
28-12438-1	3-24	210	28-12473-11	11-8	435
28-12438-3	3-24	210	28-12473-11	11-9	345
28-12439-1	3-24	330	28-12473-11	11-15	—
28-12440-1	3-24	110	28-12473-11	11-15	—
28-12441-1	3-24	390	28-12473-11	11-7	920
28-12441-3	3-24	390	28-12474-11	11-8	450
28-12450-11	3-24	590	28-12474-11	11-9	360
28-12450-11	11-21	330	28-12474-11	11-15	—
28-12450-13	3-24	590	28-12474-11	11-7	960
28-12450-13	11-21	340	28-12475-11	11-8	440
28-12451-1	3-24	370	28-12475-11	11-9	355
28-12452-1	3-24	290	28-12475-11	11-15	—
28-12453-1	3-24	280	28-12475-11	11-7	930
28-12456-1	3-24	400	28-12478-11	3-24	630
28-12457-1	3-24	410	28-12479-11	11-21	90
28-12458-1	3-24	330	28-12480-1	3-23	540
28-12459-1	3-24	370	28-125000-11	3-28	—
28-12460-1	3-24	340	28-12500-1	3-27	—
28-12461-1	3-23	340	28-125007	10-1	1
28-12461-3	3-23	600	28-125007	10-2	1
28-12462-1	3-23	230	28-125008-1	3-8	160
28-12462-3	3-23	590	28-125011-1	3-29	10
28-12463-1	3-23	480	28-125011-31	3-29	40
28-12464-3	3-23	60	28-125011-33	3-29	50
28-12465-1	3-24	620	28-125011-49	3-29	50

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FIGURES 7-4C, 7-4D, 8-1 THROUGH 8-11, 12-1A THROUGH 12-2B, 12-5, 12-6A, AND 12-10

Part Number	Figure	Item	Part Number	Figure	Item
28-125011-5	3-29	30	28-126004-11	3-19	–
28-125016-11	3-28	–	28-126005-1	3-19	50
28-125017-1	3-28	180	28-126006-1	3-19	20
28-125082-1	3-29	20	28-126007-17	3-20	240
28-125082-3	3-29	20	28-126007-3	3-20	240
28-125082-3	3-8	–	28-126007-3	3-20A	240
28-12544-3	3-28	180	28-126007-3	3-20B	240
28-12551-13	3-28	270A	28-126007-5	3-20	220
28-12551-15	3-28	270	28-126007-5	3-20A	220
28-12551-17	3-28	270	28-126007-5	3-20B	220
28-12551-19	3-28	270	28-126007-7	3-20	220
28-12551-21	3-28	270	28-126008-1	3-20	330
28-12551-21	3-28	270	28-126008-1	3-20A	330
28-12552-3	3-28	190	28-126008-1	3-20B	330
28-12552-5	3-28	190	28-12601-1	3-21	10
28-12554-101	3-28	231B	28-12603-1	3-21	–
28-12554-103	3-28	231A	28-12603-3	3-21	–
28-12554-7	3-28	231D	28-12603-4	3-21	–
28-12554-9	3-28	231C	28-12605-1	3-21	–
28-12555-1	3-28	240A	28-12607-101	3-20	230
28-12555-7	3-28	240	28-12607-13	3-20	250
28-12555-7	3-28	240	28-12607-6	3-20	250
28-12555-7	3-28	240	28-12607-6	3-20A	250
28-12555-7	3-28	240	28-12607-6	3-20B	250
28-12560-1	3-28	260	28-12607-8	3-20	230
28-12560-1	3-28	260	28-12607-8	3-20A	230
28-12560-1	3-28	260	28-12607-8	3-20B	230
28-12560-1	3-28	260	28-12608-1	3-18	100
28-12570-3	3-28	370	28-12608-3	3-18	–
28-12574-11	3-28	210	28-12608-4	3-18	–
28-12575-1	3-3	160	28-12608-4	3-20	–
28-12575-1	3-3	340	28-12608-4	3-20A	–
28-12576-1	3-3	280	28-12608-4	3-20B	–
28-12577-1	3-28	130	28-12609-1	3-18	90
28-12577-1	3-3	–	28-12609-3	3-18	90
28-12600-4	3-18	80	28-12609-3	3-20	310
28-12600-4	3-19	160	28-12609-3	3-20A	310
28-126004-1	3-19	10	28-12609-3	3-20B	310

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FIGURES 7-4C, 7-4D, 8-1 THROUGH 8-11, 12-1A THROUGH 12-2B, 12-5, 12-6A, AND 12-10

Part Number	Figure	Item	Part Number	Figure	Item
28-12610-12	3-20	170	28-12618-1	3-7	190
28-12610-12	3-20A	170	28-12618-13	3-7	200
28-12610-12	3-20B	170	28-12618-5	3-6	220
28-12610-13	3-20	180	28-12618-5	3-7	190
28-12610-13	3-20A	180	28-12619-1	3-20	480
28-12610-13	3-20B	180	28-12619-1	3-20A	480
28-12610-3	3-20	10	28-12619-1	3-20B	480
28-12610-3A	3-20	–	28-12619-4	3-20	–
28-12610-3A	3-20A	–	28-12619-4	3-20A	–
28-12611-1	3-18	20	28-12619-4	3-20B	–
28-12611-4	3-18	60	28-12619-5	3-20	–
28-12611-5	3-18	30	28-12619-5	3-20A	–
28-12611-5	3-19	–	28-12619-5	3-20B	–
28-12611-5	3-20	150	28-12620-1	3-20	190
28-12611-5	3-20A	150	28-12620-1	3-20A	190
28-12611-5	3-20B	150	28-12620-1	3-20B	190
28-12611-8	3-18	50	28-12621-1	3-18	–
28-12612-1	3-18	70	28-12621-1	3-20	–
28-12613-1	3-18	10	28-12621-1	3-20A	–
28-12613-4	3-20	270	28-12621-1	3-20B	–
28-12613-4	3-20A	270	28-12623-1	3-6	180
28-12613-4	3-20B	270	28-12624-1	3-6	210
28-12613-5	3-20	260	28-12624-1	3-7	200
28-12613-5	3-20A	260	28-12625-1	3-6	190
28-12613-5	3-20B	260	28-12626-1	3-6	200
28-12614-1	3-20	290	28-12626-1	3-7	270
28-12614-1	3-20A	290	28-12626-13	3-6	200
28-12614-1	3-20B	290	28-12626-13	3-7	270
28-12615-1	3-20	300	28-12628-11	3-20	290
28-12615-1	3-20A	300	28-12629-11	3-20	280
28-12615-1	3-20B	300	28-12642-1	3-21	–
28-12616-1	3-20	280	28-12644-1	3-21	–
28-12616-1	3-20A	280	28-12645-1	3-20B	200
28-12616-1	3-20B	280	28-12646-11	3-20A	–
28-12617-1	3-20	320	28-12646-11	3-20B	–
28-12617-1	3-20A	320	28-12646-13	3-20	–
28-12617-1	3-20B	320	28-12646-13	3-20A	–
28-12618-1	3-6	220	28-12646-13	3-20B	–

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FIGURES 7-4C, 7-4D, 8-1 THROUGH 8-11, 12-1A THROUGH 12-2B, 12-5, 12-6A, AND 12-10

Part Number	Figure	Item	Part Number	Figure	Item
28-12646-15	3-20	–	28-12659-1	3-20	130
28-12646-15	3-20A	–	28-12659-13	3-20B	–
28-12646-15	3-20B	–	28-12659-15	3-20	130
28-12646-17	3-20	–	28-12659-15	3-20A	130
28-12646-17	3-20A	–	28-12659-16	3-20A	140
28-12646-17	3-20B	–	28-12659-17	3-20	140
28-12646-21	3-20	–	28-12659-17	3-20A	140
28-12647-1	3-20A	200	28-12662-1	3-20	60
28-12647-1	3-20B	200	28-12662-1	3-20A	60
28-12647-3	3-20	200	28-12662-11	3-20B	60
28-12648-1	3-19	70	28-12662-13	3-20A	60
28-12649-1	3-19	60	28-12662-13	3-20B	60
28-12650-1	3-20	–	28-12663-11	3-20B	–
28-12650-1	3-20B	–	28-12664-11	3-7	240
28-12650-11	3-20B	–	28-12666-1	3-20B	–
28-12650-17	3-20B	–	28-12666-1	3-20B	110
28-12651-11	3-20B	–	28-12666-3	3-20	110
28-12651-13	3-20	–	28-12666-3	3-20A	110
28-12651-13	3-20A	–	28-12666-3	3-20B	110
28-12651-13	3-20B	–	28-12667-11	3-20	–
28-12652-13	3-20	–	28-12667-11	3-20B	–
28-12652-13	3-20A	–	28-12667-13	3-20B	–
28-12652-5	3-20	–	28-12668-11	3-20	–
28-12652-5	3-20	–	28-12668-11	3-20A	–
28-12653-13	3-20	–	28-12668-11	3-20B	–
28-12653-13	3-20A	–	28-12668-13	3-20B	–
28-12653-5	3-20	–	28-12669-11	3-20B	–
28-12654-11	3-7	220	28-12674-1	3-20B	70
28-12654-13	3-7	230	28-12675-1	3-20B	10
28-12655-1	3-20B	50	28-12675-3	3-20A	10
28-12655-3	3-20A	50	28-12676-1	3-20B	–
28-12655-3	3-20B	50	28-12676-3	3-20B	–
28-12655-5	3-20	50	28-12676-5	3-20B	–
28-12655-5	3-20A	50	28-12676-7	3-20A	–
28-12656-1	3-20B	30	28-12676-9	3-20A	–
28-12656-3	3-20	30	28-12676-901	3-20	–
28-12656-3	3-20A	30	28-12677-1	3-20B	160
28-12658-11	3-20B	–	28-12677-3	3-20B	160

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FIGURES 7-4C, 7-4D, 8-1 THROUGH 8-11, 12-1A THROUGH 12-2B, 12-5, 12-6A, AND 12-10

Part Number	Figure	Item	Part Number	Figure	Item
28-12678-11	3-20B	–	28-12688-19	3-20A	–
28-12679-1	3-20B	130	28-12688-25	3-20A	–
28-12679-3	3-20B	130	28-12688-29	3-20	–
28-12681-1	3-20B	80	28-12688-29	3-20A	–
28-12681-3	3-20B	80	28-12688-3	3-20A	70
28-12681-5	3-20	80	28-12688-5	3-20	70
28-12681-5	3-20A	80	28-12688-5	3-20A	70
28-12682-11	3-20	90	28-12689-11	3-20	160
28-12682-11	3-20A	90	28-12689-11	3-20A	160
28-12682-11	3-20B	90	28-127000-1	10-1	–
28-12682-13	3-20B	–	28-127000-11	10-1	3
28-12683-1	3-20	100	28-127000-11	10-2	3
28-12683-1	3-20A	100	28-127001	10-2	–
28-12683-1	3-20B	100	28-127002-1	10-4	–
28-12683-11	3-20	–	28-127002-3	10-3	–
28-12683-11	3-20A	–	28-127002-5	10-4	–
28-12683-11	3-20B	–	28-12701-3	10-1	15
28-12683-13	3-20	–	28-12701-4	10-1	12
28-12683-13	3-20A	–	28-12701-4	10-2	13
28-12683-13	3-20B	–	28-12701-5	10-1	5
28-12683-13	3-20B	–	28-12701-5	10-2	5
28-12683-15	3-20B	–	28-12705	10-1	16
28-12683-3	3-20B	–	28-12705	10-3	19
28-12683-3	3-20B	100	28-12706	10-1	14
28-12684-11	3-20B	–	28-12706	10-2	15
28-12684-11	3-20B	–	28-12706-11	3-5.1	10
28-12685-11	3-20B	–	28-12714	10-1	9
28-12685-13	3-20B	–	28-12714	10-2	10
28-12686-11	3-20	490	28-12718	10-1	10
28-12686-11	3-20A	490	28-12718	10-2	11
28-12686-11	3-20B	490	28-12719	8-5	–
28-12687-1	3-20	120	28-12719-11	8-5	590
28-12687-1	3-20A	120	28-12719-12	8-5	–600
28-12687-1	3-20B	120	28-127502-1	10-4	340
28-12688-1	3-20A	70	28-127508-1	10-3	10
28-12688-13	3-20A	–	28-127508-1	10-4	280
28-12688-15	3-20A	–	28-127509-1	10-3	5
28-12688-17	3-20A	–	28-127509-1	10-4	120

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FIGURES 7-4C, 7-4D, 8-1 THROUGH 8-11, 12-1A THROUGH 12-2B, 12-5, 12-6A, AND 12-10

Part Number	Figure	Item	Part Number	Figure	Item
28-127510-1	10-3	3	28-13145-1	12-1A	-190
28-127510-1	10-4	100	28-13145-1	4-4	300
28-127520-11	10-3	2	28-13148-1	5-6	70
28-127520-11	10-4	20	28-13149-1	5-6	80
28-127520-13	10-3	1	28-13170-103	5-6	10
28-127520-13	10-4	10	28-13170-3-R	5-6	10
28-127520-15	10-4	30	28-13170-7-R	5-6	10
28-127520-17	10-2	25	28-13170-900	5-6	10
28-127520-17	10-4	360	28-13170-903	5-4	240
28-127520-19	10-2	26	28-13170-905	5-4	-
28-127520-19	10-4	350	28-13170-909	5-6	10
28-127520-25	10-3	16	28-13170-9-R	5-6	10
28-127520-29	10-4	10	28-13177-1	5-6	100
28-127521-11	10-3	11	28-13180-11	5-4	270
28-127521-11	10-4	290	28-13181-11	5-4	300
28-127523-1	10-4	120	28-13182-1	5-4	330
28-127524-1	10-4	280	28-13182-11	5-4	330
28-12816-1	11-21	350	28-13184-11	5-4	350
28-12830-11	11-21	100	28-132001-11	5-4	100
28-13005-1	5-6	260	28-132001-13	5-4	100
28-13101-1-R	5-6	10	28-132005-1	5-3	-
28-13101-5-R	5-6	10	28-132005-11	5-3	490
28-13107-13	5-6	210	28-132005-3	5-3	-
28-13107-15	5-6	210	28-132006-11	5-3	530
28-13117-4	5-7	20	28-132008-11	5-3	380
28-13117-5	5-7	30	28-132009-11	5-3	540
28-13117-6	5-7	45	28-132010-13	5-4	100
28-13117-7	5-7	50	28-132020-901	5-1	-
28-13117-8	5-7	35	28-132020-903	5-3	-
28-13117-9	5-7	40	28-132020-904	5-3	-
28-13120-1	5-6	150	28-132022-1	5-1	-
28-13122-1	5-7	10	28-132022-11	5-1	330
28-13122-991	5-7	-	28-132022-2	6-11	200
28-13129-13	5-4	280	28-132022-3	6-11	200
28-13134-5	5-6	180	28-13210-13	5-4	110
28-13137-1	5-6	60	28-13211-1	5-4	70
28-13137-11	5-6	60	28-13212-1	5-4	30
28-13142-1	5-4	180	28-13215-1	5-4	250

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FIGURES 7-4C, 7-4D, 8-1 THROUGH 8-11, 12-1A THROUGH 12-2B, 12-5, 12-6A, AND 12-10

Part Number	Figure	Item	Part Number	Figure	Item
28-13215-3	5-4	250	28-13271-1	5-4	190
28-13227-5	5-4	10	28-13273-1	5-4	100
28-13229-1	5-3	10	28-13273-13	5-4	100
28-13230-1	5-3	20	28-13274-1	5-1	180
28-13231-3	5-4	170	28-13276-1	5-5	320
28-13231-4	5-4	170	28-13277-1	5-1	40
28-13231-5	5-4	170	28-13278-1	5-3	310
28-13231-6	5-4	170	28-13279-1	5-2	120
28-13231-7	3-21	60	28-13280-3	5-1	230
28-13231-7	5-4	170	28-13280-4	5-1	240
28-13232-1	5-6	40	28-13281-3	5-4	420
28-13233-1	5-3	70	28-13281-4	5-4	420
28-13234-1	5-3	80	28-13281-5	5-4	420
28-13238-1	5-3	110	28-13282-3	5-3	290
28-13238-1	5-6	30	28-13282-4	5-3	290
28-13245-901	5-3	230	28-13282-5	5-3	290
28-13246-1	5-3	260	28-13283-1	5-1	90
28-13248-1	5-3	250	28-13284-1	5-1	430
28-13250-1	5-2	20	28-13285-4	5-5	340
28-13250-11	5-2	20	28-13285-5	5-1	250
28-13251-1	5-2	30	28-13285-6	5-1	50
28-13252-1	5-2	80	28-13285-7	5-1	170
28-13253-1	5-2	10	28-13292-1	5-3	50
28-13254-1	5-2	40	28-13292-4	5-3	60
28-13255-1	5-2	130	28-13296-1	5-3	280
28-13256-1	5-2	70	28-13297-1	5-3	240
28-13259-4	5-1	60	28-13299-1	5-3	420
28-13259-4	5-2	—	28-13299-3	5-3	420
28-13260-1	5-1	380	28-13300-13	5-4	100
28-13263-1	5-2	150	28-13302-1	5-4	430
28-13264-1	5-1	80	28-13302-11	5-4	430
28-13265-1	5-1	100	28-13302-13	5-4	430
28-13266-1	5-1	160	28-13303-11	5-4	300
28-13266-15	5-1	200	28-13305-1	5-4	40
28-13267-1	5-1	190	28-13306-1	5-4	150
28-13267-11	5-1	210	28-13313-1	5-3	140
28-13268-1	5-1	30	28-13316-1	5-3	170
28-13269-1	5-1	140	28-13316-913	5-3	180

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FIGURES 7-4C, 7-4D, 8-1 THROUGH 8-11, 12-1A THROUGH 12-2B, 12-5, 12-6A, AND 12-10

Part Number	Figure	Item	Part Number	Figure	Item
28-13318-1	5-3	340	28-13617-905	12-1B	-5A
28-13318-7	5-3	340	28-13618-1	12-1B	10
28-13319-1	5-4	60	28-13619-1	12-1B	150
28-13321-11	5-4	430	28-13621-11	12-1B	160
28-13321-13	5-4	430	28-13621-13	12-1B	160
28-13321-15	5-4	430	28-13623-11	12-1B	50A
28-13321-17	5-4	430	28-13623-13	12-1B	50B
28-13322-11	5-4	300	28-13623-17	12-1B	50C
28-13323-11	5-4	280	28-13623-25	12-1B	60A
28-13401-4	5-4	200	28-13623-27	12-1B	60B
28-135003-1	12-1A	30	28-13623-29	12-1B	60C
28-135003-11	12-1A	30	28-13623-31	12-1B	60D
28-13511-11	12-1A	180	28-14004-1	4-1	380
28-13515-3	12-1A	50	28-14006-11	4-1	280
28-13525-5	12-1A	-10	28-14006-13	4-1	280
28-13525-7	12-1A	10A	28-14006-15	4-1	280
28-13531-11	12-1A	140	28-14006-17	4-1	280
28-13532-11	12-1A	160	28-14006-19	4-1	280
28-13600-3	12-1B	60A	28-14006-3	4-1	280
28-13600-4	12-1B	60B	28-14006-5	4-1	280
28-13600-5	12-1B	60C	28-14006-7	4-1	280
28-13600-6	12-1B	50A	28-14006-9	4-1	280
28-13600-7	12-1B	50B	28-14007-1	4-2	250
28-13600-8	12-1B	50C	28-14007-3	4-2	250
28-13605-3	12-2A	60	28-14008-1	4-1	370
28-13605-4	12-2A	60	28-14009-1	4-1	350
28-13605-5	12-2A	60	28-14009-2	4-1	350
28-13605-6	12-2A	60	28-14009-3	4-1	350
28-13605-7	12-2A	60	28-14009-5	4-1	350
28-13605-8	12-2A	60	28-14019-10	4-3	40
28-13606-1	12-2A	40	28-14019-2	4-3	40
28-13607-1	12-1B	40	28-14019-3	4-3	40
28-13611-1	12-2A	10	28-14019-5	4-3	40
28-13613-1	12-1B	20	28-14019-6	4-3	40
28-13614-1	12-1B	30	28-14100-9	4-2	240
28-13614-1	5-6	248	28-14109-1	4-2	380
28-13617-902	12-2A	-5	28-14110-1	4-2	-
28-13617-903	12-1B	-5	28-14110-2	4-2	-

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FIGURES 7-4C, 7-4D, 8-1 THROUGH 8-11, 12-1A THROUGH 12-2B, 12-5, 12-6A, AND 12-10

Part Number	Figure	Item	Part Number	Figure	Item
28-14110-3	4-2	–	28-14250-3	8-4	50
28-14117-1	4-1	200	28-14251-1	4-1	230
28-14117-11	4-1	200	28-14251-2	4-1	240
28-14119-11	4-2	242	28-14256-1	4-1	290
28-14141-913	4-2	370	28-14257-1	4-1	300
28-14202-1	4-1	40	28-14259-1	4-3	150
28-14207-1	8-4	30	28-14259-3	8-4	160
28-14207-101	8-4	30	28-14259-3	8-5	480
28-14207-7	8-4	30	28-14261-1	4-2	100
28-14219-3	4-1	–	28-14262-1	8-4	80
28-14219-7	4-1	–	28-14265-3	4-4	100
28-14219-901	4-1	–	28-14268-1	4-4	–
28-14223-1	4-1	100	28-14270-1	4-2	–
28-14224-1	4-1	70	28-14270-1	11-21	360
28-14224-3	4-1	130	28-14276-1	4-4	20
28-14227-1	4-1	180	28-14277-1	4-4	30
28-14227-11	4-3	10	28-14278-1	4-2	330
28-14228-1	4-1	170	28-14278-1	8-4	10
28-14228-15	4-1	170	28-14279-1	4-2	150
28-14231-1	4-2	50	28-14279-3	4-2	150
28-14233-2	4-3	60	28-14280-1	4-1	90
28-14233-3	4-3	60	28-14280-3	4-1	90
28-14234-9	4-2	–	28-14280-5	4-1	90
28-14234-901	4-2	–	28-14281-1R	4-1	120
28-14234-909	4-2	–	28-14281-3	4-1	120
28-14235-1	4-1	360	28-14281-5	4-1	120
28-14236-1	4-1	220	28-14282-11	4-2	10
28-14236-1	4-1	270	28-14282-13	4-2	10
28-14236-1	4-3	30	28-14283-1	4-2	280
28-14239-1	4-2	210	28-14290-3	4-1	110
28-14239-11	4-2	–	28-14290-5	4-1	110
28-14239-3	4-2	–	28-14290-7	4-1	110
28-14239-5	4-2	210	28-14290-9	4-1	110
28-14240-1	4-2	20	28-14293-11	4-2	180
28-14244-1	4-1	80	28-14293-13	4-2	180
28-14248-1	5-3	510	28-14293-7	4-2	180
28-14250-1	4-1	–	28-14293-9	4-2	180
28-14250-1	8-4	40	28-14311-1	4-2	70

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FIGURES 7-4C, 7-4D, 8-1 THROUGH 8-11, 12-1A THROUGH 12-2B, 12-5, 12-6A, AND 12-10

Part Number	Figure	Item	Part Number	Figure	Item
28-14313-1	4-2	130	28-14389-13	4-2.1	-80
28-14320-15	4-2	170	28-150001-5	12-10	200
28-14335-1	4-2	190	28-150044-5	12-10	210
28-14356-5	4-4	121	28-150055-1	12-10	150
28-14357-3	4-4	10	28-150055-13	12-10	150
28-14357-5	4-4	10	28-150060-11	12-10	120
28-14358-3	4-4	50	28-150063-11	12-10	130
28-14358-4	4-4	120	28-150067-15	12-10	20
28-14359-15	4-4	20	28-150074-13	12-10	10
28-14359-17	4-4	30	28-150076-1	12-10	90
28-14366-1	4-4	210	28-150076-13	12-10	70
28-14367-7	4-4	220	28-150076-15	12-10	40
28-14368-1	6-11	280	28-150076-17	12-10	30
28-14368-2	4-4	230	28-150076-19	12-10	60
28-14369-1	4-4	270	28-150076-21	12-10	90
28-14370-15	4-4	60	28-150077-1	12-10	–
28-14370-17	4-4	60	28-150077-11	12-10	–
28-14371-1	4-4	80	28-150078-10	12-10	80
28-14372-1	4-4	70	28-150078-12	12-10	80
28-14372-3	4-4	70	28-150078-13	12-10	80
28-14374-13	11-21	370	28-150078-15	12-10	80
28-14374-15	4-4	290	28-150079-1	12-10	–
28-14374-15	11-21	370	28-150079-901	12-10	–
28-14375-101	4-4	–	28-15030-1	12-10	310
28-14375-105	4-4	–	28-15033-5	12-10	190
28-14375-7	4-4	–	28-16006-1	3-10	320
28-14375-905	4-4	–	28-16011-1	3-11	500
28-14375-906	4-4	–	28-16021-11	3-11	370
28-14381-901	4-2.1	100	28-16021-11	3-11	370
28-14381-902	4-2.1	60	28-16022-11	3-11	490
28-14381-903	4-2	–	28-16022-11	3-13	10
28-14382-19	4-2.1	160	28-16024	8-3	–
28-14382-21	4-2.1	90	28-16024	8-5	–
28-14383-13	4-2.1	-70	28-16024	8-6	–
28-14384-13	4-2.1	-120	28-16024	8-6A	–
28-14385-15	4-2.1	10	28-16024	8-8	–
28-14386-5	4-2.1	40	28-16024-911	8-5A	–
28-14389-11	4-2.1	-110	28-16024-912	8-5A	–

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FIGURES 7-4C, 7-4D, 8-1 THROUGH 8-11, 12-1A THROUGH 12-2B, 12-5, 12-6A, AND 12-10

Part Number	Figure	Item	Part Number	Figure	Item
28-16026-1	8-5	-180A	28-16106-2	8-3A	70
28-16026-3	8-5	-180B	28-16108-11	8-3A	90
28-16026-5	8-5	-180C	28-16108-2	8-3A	90
28-16026-7	8-5	-180D	28-16109-1	8-3A	230
28-16026-9	8-5	-180E	28-16109-11	8-3A	230
28-16030-1	6-14	-	28-16109-13	8-3A	240
28-16030-3	6-14	-	28-16110-1	8-3A	160
28-16043-13	8-3A	280	28-16112-15	8-3A	190
28-16043-15	8-3A	300	28-16112-17	8-3A	190
28-16043-19	8-3A	140	28-16113-1	8-3A	210
28-16056-1	8-5A	50	28-16116-1	8-1	220
28-16057-1	8-5A	110	28-16116-11	8-1	220
28-16069-3	9-4	-	28-16119-3	8-1	80
28-16069-5	9-3	-	28-16119-5	8-1	80
28-16070-101	9-1	2B	28-16123-1	8-1	10
28-16070-101	9-4	120	28-16123-11	8-1	10
28-16070-103	9-4	120	28-16124-1	8-2	40
28-16070-105	9-4	125	28-16125-3	8-3A	110
28-16070-5	9-1	2C	28-16125-4	8-3A	120
28-16070-5	9-3	520	28-16125-5	8-3A	130
28-16070-7	9-1	2B	28-16126-1	8-3A	200
28-16070-7	9-4	120	28-16129-2	8-2	30
28-16070-9	9-1	2C	28-16131-1	8-3A	220
28-16070-9	9-3	520	28-16131-11	8-3A	220
28-16074-11	3-11	280	28-16132-1	8-3A	-
28-16080-901	3-11	-	28-16132-3	8-3A	340
28-16087-11	3-11	290	28-16132-4	8-3A	330
28-16087-13	3-11	390	28-16133-1	8-3A	350
28-16088-13	3-11	50	28-16136-1	8-5	-
28-16096-1	3-11	10	28-16136-101	8-5	-
28-16096-3	3-11	10	28-16136-103	8-5	-
28-16098-11	3-11	170	28-16136-5	8-5	-
28-16099-1	9-1	2D	28-16143-1	8-3A	380
28-16101-101	8-1	-	28-16143-3	8-3A	380
28-16101-105	8-4	-	28-16145-1	8-5	220
28-16101-107	8-3A	-	28-16148-1	8-5A	40
28-16103-1	8-3A	50	28-16148-3	8-5A	40
28-16105-1	8-3A	30	28-16150-1	8-5A	30

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FIGURES 7-4C, 7-4D, 8-1 THROUGH 8-11, 12-1A THROUGH 12-2B, 12-5, 12-6A, AND 12-10

Part Number	Figure	Item	Part Number	Figure	Item
28-16155-4	8-5	120	28-16205-1	8-5	290
28-16155-4	8-6A	100	28-16205-5	8-5	290
28-16155-5	8-5	90	28-16206-11	8-4	20
28-16156-1	8-3	120	28-16209-1	8-5	490
28-16156-1	8-5	30	28-16209-11	8-5	-490A
28-16157-3	8-5	400	28-16210-3	8-5	530
28-16157-4	8-5	500	28-16211-1	8-5	390
28-16158-1	8-5	70	28-16211-1	8-8	130
28-16159-1	8-5	80	28-16215-1	3-10	360
28-16160-1	8-5	110	28-16215-1	11-21	380
28-16160-7	8-5	110	28-16217-11	8-5	360
28-16160-7	8-6A	70	28-16217-13	8-5	-360A
28-16168-1	3-10	160	28-16217-15	8-5	-360B
28-16183-1	8-5A	10	28-16217-17	8-5	-360C
28-16183-901	8-5A	10	28-16217-19	8-5	-360D
28-16190-1	8-5	50	28-16217-21	8-5	-360E
28-16191-1	8-5	60	28-16217-23	8-5	-360F
28-16192-1	8-5	100	28-16218-1	8-5	20
28-16197-1	8-3	160	28-16219-1	8-3	140
28-16197-1	8-5	10	28-16220-1	8-5	300
28-16198-1	8-3	130	28-16220-5	8-5	300
28-16198-1	8-5	40	28-16222-1	8-11	260
28-162004-11	8-11	260A	28-16223-19	8-1	210
28-16201-1	8-3A	470	28-16224-5	8-1	230
28-16201-1	8-9	330	28-16225-19	8-1	240
28-16201-1	8-10	330	28-16226-5	8-1	200
28-16202-1	8-5	540	28-16227-3	8-1	160
28-16203-1	8-11	170	28-16228-1	8-1	50
28-16203-1	8-3A	480	28-16229-13	8-11	250
28-16203-1	8-4	60	28-16229-15	8-11	250
28-16203-1	8-8	80	28-16230-1	8-11	240
28-162040-11	8-7	40	28-16231-1	8-11	280
28-162041-1	8-7	-10	28-16232-1	8-11	30
28-162041-2	8-7	-10	28-16233-1	8-11	180
28-162042-11	8-7	30	28-16234-1	8-11	80
28-162043-1	8-7	10	28-16235-1	8-11	120
28-162043-1	8-9	-	28-16235-11	8-11	120
28-162043-3	8-9	-	28-16236-1	8-11	220

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FIGURES 7-4C, 7-4D, 8-1 THROUGH 8-11, 12-1A THROUGH 12-2B, 12-5, 12-6A, AND 12-10

Part Number	Figure	Item	Part Number	Figure	Item
28-16236-15	8-11	220	28-16290-2	8-6A	10
28-16236-17	8-11	220	28-16291-1	8-6	90
28-16237-1	8-11	230	28-16291-1	8-6A	30
28-16237-11	8-11	230	28-16292-11	8-6A	—
28-16237-13	8-11	230	28-16293-2	8-6	—
28-16238-3	8-11	290	28-16293-2	8-6A	—
28-16238-5	8-11	290	28-16294-1	8-6	10
28-16238-7	8-11	290	28-16294-1	8-6A	80
28-16239-1	8-11	40	28-16294-13	8-6A	80
28-16239-101	8-11	40	28-16295-1	8-6	—
28-16239-5	8-11	40	28-16296-11	11-21	390
28-16239-9	8-11	40	28-16300	12-6A	—5
28-16242-1	8-11	—320	28-16301-3	12-6B	10A
28-16242-5	8-11	—350	28-16301-4	12-6A	10
28-16242-7	8-11	—340	28-16301-4	12-6B	10B
28-16242-901	8-11	—310	28-16301-7	12-6A	10A
28-16242-907	8-11	—330	28-16301-7	12-6B	10C
28-16253-1	8-3A	460	28-16302-1	12-6A	80
28-16253-101	8-3A	420	28-16307-1	12-6A	110
28-16253-103	8-3A	420	28-16308-1	12-6A	40
28-16253-105	8-3A	460	28-16308-1	12-6A	180
28-16253-6	8-3A	450	28-16308-1	12-6B	210
28-16253-8	8-3A	450	28-16309-1	12-6A	170
28-16258-1	8-11	200	28-16310-2	12-6A	30
28-16259-1	8-3A	20	28-16310-2	12-6B	200
28-16260-1	8-3A	10	28-16311-1	12-6A	20
28-16263-5	8-1	170	28-16311-1	12-6A	165
28-16264-1	8-3A	40	28-16311-1	12-6B	—30
28-16283-2	8-6	80	28-16311-1	12-6B	—170
28-16283-2	8-6A	20	28-16311-1	12-6B	—190
28-16283-4	8-5	340	28-16311-1	5-3	350
28-16283-4	8-6	20	28-16313-1	12-6A	160
28-16283-4	8-7	20	28-16313-1	12-6B	150
28-16284-1	8-5	330	28-16314-1	12-6A	230
28-16284-1	8-6	30	28-16314-1	12-6B	180
28-16284-1	8-6A	90	28-16315-1R	12-6A	230A
28-16290-2	8-5	320	28-16317-1R	12-6A	160A
28-16290-2	8-6	70	28-16319-1	12-6A	210

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FIGURES 7-4C, 7-4D, 8-1 THROUGH 8-11, 12-1A THROUGH 12-2B, 12-5, 12-6A, AND 12-10

Part Number	Figure	Item	Part Number	Figure	Item
28-16319-1	12-6B	-160	28-164043-11	3-10	340
28-16320-1	12-6A	120	28-164043-11	3-14	-
28-16324	12-6A	110A	28-164043-11	3-15	-
28-16325-2	12-6A	120A	28-16405-1	3-10	70
28-16331-1	12-6A	10B	28-16407-1	3-10	200
28-16331-1	12-6B	20	28-16409-13	3-11	60
28-16336-11	8-3A	440	28-16409-15	3-11	60
28-16336-11	8-4	60	28-16421-1	3-11	40
28-16345-1	12-5	130	28-16447-1	3-10	20
28-16348-1	9-5	20	28-16449-1	3-10	350
28-16353-3	12-5	50	28-16449-1	11-21	400
28-16353-5	12-5	30	28-16473-1	3-11	220
28-16361-1	8-1	20	28-16473-1	3-11	440
28-16361-1	8-3	10	28-16476-2	3-11	150
28-16374-1	12-6B	140	28-16476-3	3-11	250
28-16380	12-6B	-5A	28-16477-1	3-11	240
28-16386-1	8-3A	80	28-16477-2	3-11	300
28-16387-1	8-1	60	28-16478-3	3-11	-
28-16389-2	8-3A	150	28-16478-5	3-11	-
28-16390-11	8-5A	-20	28-16479-13	3-11	110
28-16391-1	12-5	120B	28-16481-5	3-11	-
28-16391-3	12-5	120A	28-16482-13	3-11	210
28-16391-5	12-5	120	28-16484-11	3-11	120
28-16392-13	12-5	180	28-16490-101	3-15	70
28-16392-13	12-6B	60	28-16493-11	3-13	10
28-16394-2	12-6B	40	28-16493-13	3-13	10
28-16395-1	12-6B	120	28-16497-1	3-13	20
28-16396-2	12-6B	10	28-16498-101	3-11	450
28-16397-11	12-6B	50	28-16498-101	3-13	80
28-16398	12-5	-5	28-16498-7	3-13	80
28-16398	12-6B	-5	28-16498-9	3-11	430
28-16398-901	12-5	120C	28-16498-9	3-11	450
28-16399-13	12-1A	220	28-16499-9	3-12	100
28-164001-1	3-10	70	28-16499-9	3-12	100
28-16401-1	3-10	220	28-16504-1	5-5	130
28-16401-5	3-10	220	28-16505-1	5-5	200
28-16403-1	3-10	290	28-16506-1	5-5	220
28-16404-1	3-10	300	28-16515-1	5-5	20

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FIGURES 7-4C, 7-4D, 8-1 THROUGH 8-11, 12-1A THROUGH 12-2B, 12-5, 12-6A, AND 12-10

Part Number	Figure	Item	Part Number	Figure	Item
28-16515-3	5-5	30	28-16600-115	8-8	10
28-16516-1	5-5	10	28-16600-115	8-9	–
28-16516-13	5-5	10	28-16600-117	8-8	100
28-16518-1	5-5	160	28-16600-117	8-10	–
28-16519-1	5-5	40	28-16600-119	8-8	20
28-16520-1	5-1	270	28-16600-119	8-9	–
28-16520-1	5-5	50	28-16600-7	8-8	100
28-16521-11	5-5	80	28-16600-8	8-8	20
28-16522-1	5-5	90	28-16600-9	8-8	100
28-16523-1	5-5	–	28-16601-1	8-9	420
28-16524-3	5-6	–	28-16601-1	8-10	420
28-16524-3	8-1	180	28-16603-1	8-10	440
28-16524-4	5-6	–	28-16603-15	8-10	430
28-16524-4	8-1	180	28-16604-1	8-9	410
28-16524-5	5-6	–	28-16604-1	8-10	410
28-16524-5	8-1	180	28-16607-1	8-9	270
28-16524-6	5-6	–	28-16607-1	8-10	270
28-16524-6	8-1	180	28-16608-1	8-9	300
28-16524-7	5-6	–	28-16608-1	8-10	300
28-16524-7	8-1	180	28-16609-1	8-9	200
28-16524-8	5-6	–	28-16609-1	8-10	200
28-16524-8	8-1	180	28-16610-1	8-9	180
28-16525-1	5-5	360	28-16610-1	8-10	180
28-16525-1	11-21	410	28-16611-1	8-9	360
28-16526-1	5-5	370	28-16611-1	8-10	360
28-16526-1	11-21	420	28-16611-13	8-9	360
28-16537-11	5-5	380	28-16611-13	8-10	360
28-16537-13	5-5	390	28-16611-15	8-9	360
28-16542-11	5-5	240	28-16611-15	8-10	360
28-16600-10	8-8	20	28-16612-5	8-9	–
28-16600-101	8-8	90	28-16612-5	8-10	–
28-16600-103	8-8	10	28-16613-1	8-9	350
28-16600-105	8-8	90	28-16613-1	8-10	350
28-16600-107	8-8	10	28-16613-3	8-9	350
28-16600-109	8-8	100	28-16613-3	8-10	350
28-16600-111	8-8	20	28-16614-1	8-9	–10
28-16600-113	8-8	90	28-16614-1	8-10	–10
28-16600-113	8-10	–	28-16614-3	8-9	10

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FIGURES 7-4C, 7-4D, 8-1 THROUGH 8-11, 12-1A THROUGH 12-2B, 12-5, 12-6A, AND 12-10

Part Number	Figure	Item	Part Number	Figure	Item
28-16614-3	8-10	10	28-16632-1	8-10	260
28-16614-5	8-9	10	28-16633-1	8-9	140
28-16614-5	8-10	10	28-16633-1	8-10	140
28-16616-1	8-10	320	28-16635-1	8-9	250
28-16616-5	8-9	320	28-16636-3	8-9	—
28-16616-7	8-9	320	28-16636-3	8-10	—
28-16616-9	8-10	320	28-16636-5	8-9	—
28-16617-1	8-10	—	28-16636-5	8-10	—
28-16617-2	8-9	—	28-16637-11	8-6A	—
28-16618-101	8-10	310	28-16650-11	6-11	230
28-16618-103	8-7	—	28-17005-1	11-21	430
28-16618-103	8-9	310	28-17164-13	11-21	110
28-16618-105	8-10	310	28-17302-3	3-2	160
28-16618-6	8-9	310	28-17308-1	12-10	230
28-16618-7	8-10	310	28-17313-1	6-5	70
28-16618-9	8-9	310	28-17314-1	6-5	80
28-16619-1	8-9	160	28-17316-1	6-5	90
28-16619-1	8-10	160	28-17318-1	11-21	440
28-16620-1	8-10	—	28-17331-1	11-21	450
28-16620-2	8-9	—	28-17331-13	11-21	460
28-16621-1	8-9	—110A	28-17331-15	11-21	450
28-16621-1	8-10	—110A	28-180004-5	11-6	360
28-16623-1	8-10	250	28-180010-11	12-2B	40A
28-16624-1	8-9	—40	28-180012-1	11-21	1100
28-16624-1	8-10	—40	28-180014-1	11-8	—
28-16624-11	8-9	40	28-180014-1	11-7	950
28-16624-11	8-10	40	28-180018-1	11-21	1110
28-16624-3	8-9	40	28-180020-11	11-8	175
28-16624-3	8-10	40	28-180020-11	11-9	55
28-16625-1	8-8	50	28-180020-11	11-6	110
28-16626-1	8-9	390	28-180020-11	11-7	50
28-16628-1	8-9	340	28-180021-1	11-21	1120
28-16628-1	8-10	340	28-180022-1	11-21	1130
28-16630-1	8-10	220	28-180023-1	11-21	1140
28-16630-2	8-9	220	28-180030-1	11-21	1150
28-16630-3	8-10	220	28-180045-11	11-21	1160
28-16630-4	8-9	220	28-180045-13	11-21	1160
28-16632-1	8-9	260	28-180046-11	11-21	1170

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FIGURES 7-4C, 7-4D, 8-1 THROUGH 8-11, 12-1A THROUGH 12-2B, 12-5, 12-6A, AND 12-10

Part Number	Figure	Item	Part Number	Figure	Item
28-180046-13	11-21	1170	28-180055-13	11-21	1230
28-180047-11	11-21	1180	28-180056-11	11-21	1240
28-180047-13	11-21	1180	28-180056-13	11-21	1240
28-180048-11	11-21	1190	28-180057-11	11-21	1250
28-180048-13	11-21	1190	28-180057-13	11-21	1250
28-180049-11	11-20	10	28-18006-1	11-21	480
28-180050-1	11-20	100	28-180067-1	11-20	150
28-180050-101	11-20	-100E	28-180067-101	11-20	-150E
28-180050-103	11-20	-100F	28-180067-103	11-20	-150F
28-180050-105	11-20	-100G	28-180067-105	11-20	-150G
28-180050-107	11-20	-100H	28-180067-107	11-20	-150H
28-180050-109	11-20	-100I	28-180067-109	11-20	-150I
28-180050-11	11-20	-100E	28-180067-201	11-20	-150J
28-180050-111	11-20	-100J	28-180067-203	11-20	-150K
28-180050-13	11-20	-100F	28-180067-205	11-20	-150L
28-180050-15	11-20	-100G	28-180067-207	11-20	-150M
28-180050-17	11-20	-100H	28-180067-209	11-20	-150N
28-180050-3	11-20	-100A	28-180067-211	11-20	-150O
28-180050-5	11-20	-100B	28-180067-213	11-20	-150P
28-180050-7	11-20	-100C	28-180067-215	11-20	-150Q
28-180050-9	11-20	-100D	28-180067-217	11-20	-150R
28-18005-1	11-21	470	28-180067-219	11-20	-150S
28-180051-1	11-20	-	28-180067-3	11-20	-150A
28-180051-101	11-20	-	28-180067-5	11-20	-150B
28-180051-103	11-20	-	28-180067-7	11-20	-150C
28-180051-105	11-20	-	28-180067-9	11-20	-150D
28-180051-107	11-20	-	28-18007-1	11-21	490
28-180051-3	11-20	-	28-18009-11	11-21	210
28-180051-5	11-20	-	28-18009-15	11-21	120
28-180051-7	11-20	-	28-18011-1	11-21	500
28-180051-9	11-20	-	28-18012-1	11-21	510
28-180052-11	11-21	1200	28-18013-1	11-21	520
28-180052-13	11-21	1200	28-18014-1	11-21	530
28-180053-11	11-21	1210	28-18015-1	11-21	540
28-180053-13	11-21	1210	28-18016-1	11-21	550
28-180054-11	11-21	1220	28-18020-1	11-18	-
28-180054-13	11-21	1220	28-18020-1	12-2B	-10
28-180055-11	11-21	1230	28-18020-3	12-2B	-10A

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FIGURES 7-4C, 7-4D, 8-1 THROUGH 8-11, 12-1A THROUGH 12-2B, 12-5, 12-6A, AND 12-10

Part Number	Figure	Item	Part Number	Figure	Item
28-18020-5	11-18	–	28-18037-3	11-21	580
28-18020-5	12-2B	–130	28-18043	11-2	240
28-18020-7	11-18	–	28-18043-1	11-21	590
28-18020-7	12-2B	–240	28-18048-1	11-21	600
28-18024-1	12-2B	170	28-18049	11-1	360
28-18024-5	11-18	100	28-18049	11-2	260
28-18024-5	12-2B	170	28-18050	11-1	–
28-18026-1	12-2B	230	28-18050	11-2	–
28-18026-3	11-18	120	28-18051	11-1	350
28-18026-3	12-2B	230	28-18051-3	11-2	250
28-18027-1	11-18	85	28-18052-1	11-6	450
28-18027-1	12-2B	40	28-18052-1	11-21	610
28-18028-1	11-18	20	28-18053-1	11-6	520
28-18028-1	12-2B	250	28-18053-1	11-21	620
28-18030-1	11-18	90	28-18060-11	11-8	25
28-18030-1	12-2B	210	28-18060-11	11-9	30
28-18031-1	12-2B	30	28-18060-11	11-7	130
28-18031-3	11-15	75	28-18060-13	11-8	105
28-18031-3	12-2B	30	28-18060-13	11-9	35
28-18032-1	11-2	–	28-18060-13	11-7	130A
28-18033-1	11-8	425	28-18060-15	11-8	100
28-18033-1	11-9	335	28-18060-15	11-9	75
28-18033-1	11-7	890	28-18060-15	11-7	130B
28-18033-1	11-14	100	28-18061-1	11-8	330
28-18033-11	11-15	75	28-18061-1	11-9	260
28-18034-1	11-18	105	28-18061-1	11-7	720A
28-18034-1	12-2B	200	28-18061-1	11-12	20
28-18035	11-1	–	28-18061-1	11-13	170
28-18036	11-1	110	28-18061-1	11-13	200
28-18036-10	11-1	120	28-18061-1	11-13	210
28-18036-10	11-4	–	28-18061-1	11-13	220
28-18036-10	11-5	–	28-18061-3	11-7	–720
28-18036-9	11-1	370	28-18069-15	11-7	470A
28-18036-9	11-3	270	28-18069-17	11-7	470C
28-18036-9	11-5	–	28-18069-17	11-7	490
28-18036--9	11-2	270	28-18069-19	11-5	–
28-18037-1	11-21	560	28-18069-21	11-5	–
28-18037-2	11-21	570	28-18069-31	11-8	220

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FIGURES 7-4C, 7-4D, 8-1 THROUGH 8-11, 12-1A THROUGH 12-2B, 12-5, 12-6A, AND 12-10

Part Number	Figure	Item	Part Number	Figure	Item
28-18069-31	11-7	-470	28-18099-147	11-8	-
28-18069-33	11-8	235	28-18099-149	11-7	-
28-18069-33	11-7	-470B	28-18099-157	11-7	-
28-18075-1	3-10	350	28-18099-159	11-8	-
28-18081-11	6-3	-	28-18099-161	11-7	-
28-18081-11	11-6	200	28-18099-165	11-7	-
28-18081-11	11-21	630	28-18099-169	11-7	-
28-18082-1	11-3	-	28-18099-171	11-9	-
28-18082-9	11-5	20	28-18099-173	11-9	-
28-18082-9	11-6	320	28-18099-3	11-6	-
28-18084-1	11-8	-	28-18099-7	11-6	-
28-18084-5	11-5	-	28-18100-11	11-21	680
28-18087-1	11-21	640	28-181001-11	3-22	480
28-18088-1	11-21	650	28-181001-11	3-23	500
28-18088-2	11-21	660	28-181001-3	3-23	500
28-18091-1	11-5	-	28-181002-1	3-22	510
28-18091-101	11-5	-	28-181002-1	3-23	530
28-18091-103	11-5	-	28-181005-1	11-6	210
28-18091-105	11-5	-	28-181005-13	11-16	140
28-18091-107	11-5	-	28-181006-11	3-3	140
28-18091-109	11-5	-	28-181007-1	3-3	120
28-18091-111	11-5	-	28-181007-3	3-3	120
28-18091-113	11-5	-	28-181007-5	3-3	120
28-18091-121	11-6	-490A	28-181008-	3-20	-
28-18091-123	11-6	420	28-181008-	3-20A	-
28-18091-131	11-5	-	28-181008-	3-20B	-
28-18091-133	11-5	-	28-18101-11	11-8	145
28-18091-3	11-5	-	28-18101-11	11-7	370
28-18091-5	11-5	-	28-18103-3	3-22	480
28-18091-5	11-6	490	28-18103-3	11-10	130
28-18092-11	11-21	670	28-18103-4	3-22	480
28-18095-1	11-5	300	28-18103-4	11-11	10
28-18095-3	11-5	300A	28-18103-4	11-11	140
28-18095-6	11-5	300B	28-18103-5	3-22	510
28-18099-101	11-5	-	28-18103-5	11-10	140
28-18099-111	11-5	-	28-18103-6	11-10	150
28-18099-119	11-5	-	28-18103-7	11-10	160
28-18099-125	11-5	-	28-18103-7	11-11	-140A

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FIGURES 7-4C, 7-4D, 8-1 THROUGH 8-11, 12-1A THROUGH 12-2B, 12-5, 12-6A, AND 12-10

Part Number	Figure	Item	Part Number	Figure	Item
28-18104-3	11-14	30	28-18161-15	9-3	—
28-18104-4	11-14	40	28-18161-15	9-4	—
28-18104-5	11-14	50	28-18161-17	9-4	—
28-18104-6	11-14	60	28-18161-19	9-4	—
28-18104-7	11-14	70	28-18162-13	9-3	—
28-18104-903	11-12	110	28-18162-13	9-3	—
28-18104-903	11-13	10	28-18162-13	9-4	—
28-18104-904	11-12	90	28-18162-13	9-4	—
28-18104-904	11-13	20	28-18162-14	9-3	—
28-18104-905	11-12	100	28-18162-14	9-4	—
28-18104-905	11-13	30	28-18162-14	9-4	—
28-18104-906	11-12	80	28-18162-14-	9-3	—
28-18104-906	11-13	40	28-18162-15	9-3	—
28-18104-907	11-12	60	28-18162-15	9-4	—
28-18104-907	11-13	50	28-18162-15	9-4	—
28-18105-11	11-21	130	28-18162-17	9-3	—
28-18105-13	11-21	690	28-18162-17	9-4	—
28-18107-1	11-21	700	28-18162-17	9-4	—
28-18108-1	11-21	710	28-18164-3	9-3	—
28-18112-1	11-11	50	28-18164-3	9-4	—
28-18113-1	11-11	30	28-18164-5	9-3	—
28-18143-11	6-11	260	28-18164-5	9-4	—
28-18153-105	11-7	310B	28-18165-5	11-19	115
28-18153-107	11-7	310	28-18166-1	9-3	10
28-18153-109	11-8	85	28-18166-1	9-4	10
28-18153-109	11-7	—310A	28-18166-3	9-3	10A
28-18156-1	11-6	20	28-18166-3	9-4	10A
28-18156-3	11-6	—20A	28-18166-5	9-4	10A
28-18158-1	9-3	—	28-18166-7	9-4	10
28-18158-1	9-4	—	28-18167-11	6-12	10
28-18158-3	9-3	—	28-18167-13	6-12	10
28-18158-3	9-4	—	28-18167-15	6-12	10
28-18159-11	9-3	—	28-18167-17	6-12	10
28-18159-11	9-4	—	28-18167-19	6-12	10
28-18159-13	9-3	—	28-18167-21	6-12	10
28-18159-13	9-4	—	28-18167-23	6-12	10
28-18161-11	9-3	—	28-18167-25	6-12	10
28-18161-11	9-4	—	28-18167-27	6-12	10

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FIGURES 7-4C, 7-4D, 8-1 THROUGH 8-11, 12-1A THROUGH 12-2B, 12-5, 12-6A, AND 12-10

Part Number	Figure	Item	Part Number	Figure	Item
28-18167-5	11-19	15	28-19025-1	6-14	70
28-18171-29	11-7	500B	28-19027-13	11-8	10
28-18171-31	11-7	500	28-19027-13	11-7	10
28-18171-33	11-8	230	28-19031	11-5	–
28-18171-33	11-7	–500A	28-19032	11-5	–
28-18200-1	11-8	365	28-19037-11	11-21	720
28-18200-1	11-7	–760	28-19040-5	6-14	–
28-18200-3	11-7	760A	28-19041	11-6	10
28-19001-943	6-4	70	28-19041-111	6-11	–
28-19001-948	6-4	60	28-19045-1	11-5	280
28-19003	6-1	80	28-19045-3	11-5	280A
28-19004	6-1	10	28-19045-5	11-5	280B
28-19016-11	6-2	70	28-19045-7	11-5	280C
28-19021-10	11-8	280	28-19045-9	11-5	280D
28-19021-10	11-9	200	28-19046-11	11-8	15
28-19021-10	11-7	590	28-19046-11	11-9	15
28-19021-10	11-7	800	28-19046-11	11-7	40
28-19021-13	8-5	–130B	28-19046-11	11-21	730
28-19021-15	8-5	–130A	28-19047-1	6-11	250
28-19021-17	8-5	–150A	28-19047-11	6-11	250
28-19021-19	8-5	–130C	28-19048-11	6-11	230
28-19021-2	8-5	130	28-19048-13	6-11	230
28-19021-21	8-5	–150B	28-19055-11	6-13	140
28-19021-23	8-5	–130D	28-19064-1	11-9	45
28-19021-25	8-5	–130E	28-19064-1	11-7	20
28-19021-27	8-5	–150C	28-19073	6-12	–
28-19021-29	8-5	160	28-19073-1	11-7	740
28-19021-3	8-5	150	28-19073-101	11-8	360
28-19021-31	8-5	140	28-19073-3	11-7	740A
28-19021-33	8-5	170	28-19073-5	11-7	740B
28-19021-35	8-5	–130F	28-19073-7	11-7	740C
28-19021-37	8-5	–130G	28-19101-11	11-21	740
28-19021-39	8-5	–160A	28-19103-1	6-10	40
28-19021-41	8-5	–140A	28-19104-1	6-9	40
28-19021-43	8-5	–170A	28-19105-1	6-10	50
28-19023	11-8	380	28-19105-1	6-9	60
28-19023	11-9	290	28-19106-1	6-9	30
28-19023	11-7	830	28-19106-3	6-10	30

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FIGURES 7-4C, 7-4D, 8-1 THROUGH 8-11, 12-1A THROUGH 12-2B, 12-5, 12-6A, AND 12-10

Part Number	Figure	Item	Part Number	Figure	Item
28-19106-3	6-9	30	28-21034-1	6-7	40
28-19106-5	6-10	30	28-21035-5	6-7	10
28-19106-5	6-13	90	28-21035-5	11-21	770
28-19106-5	6-9	30	28-21043-1	6-7	130
28-19123-9	11-8	375	28-21048-1	6-5	–
28-19123-9	11-9	285	28-21048-1	6-6	110A
28-19123-9	11-7	820	28-21048-101	6-5	–
28-19131-1	6-11	–	28-21048-101	6-6	110D
28-19132-3	6-5	200	28-21048-3	6-5	–
28-20107-11	11-21	140	28-21048-3	6-6	110B
28-20107-11	11-21	750	28-21048-5	6-5	–
28-20107-13	11-21	750	28-21048-5	6-6	110A
28-21000-1	6-4	–	28-21048-6	6-5	–
28-21002	6-4	340	28-21048-6	6-6	110B
28-21002-3	6-4	340	28-21048-7	6-5	–
28-21002-3	6-6	10	28-21048-7	6-6	110A
28-21002-4	6-4	340	28-21048-8	6-5	–
28-21002-4	6-6	10	28-21048-8	6-6	110B
28-21003-1	6-4	330	28-21048-9	6-5	–
28-21003-1	6-4	40	28-21048-9	6-6	110C
28-21004-1	6-6	40	28-21050-11	6-7	180
28-21006-1	6-4	250	28-21051-11	6-7	*50
28-21007-1	6-4	240	28-21052-1	6-7	–
28-21008-1	6-4	230	28-21053-3	6-7	–
28-21009-1	6-4	220	28-22013-1	11-21	780
28-21009-1	6-5	205	28-22016-1	11-21	790
28-21009-1	6-5	60	28-22016-5	11-21	790
28-21009-1	6-7	170	28-22018-1	11-21	800
28-21009-1	6-8	10	28-22018-2	11-21	810
28-21010-3	6-5	235	28-22019-1	11-21	820
28-21011-1	6-4	180	28-22031-1	3-5.1	–
28-21011-1	6-6	80	28-22032-1	3-5.1	160
28-21012-1	6-4	160	28-22034-11	3-5.1	30
28-21012-1	6-6	240	28-22081-5	11-8	–
28-21014-1	6-4	270	28-22093-3	11-8	140
28-21017-1	3-21	70	28-22093-3	11-9	60
28-21021-1	11-21	760	28-22093-3	11-19	–
28-21024-1	6-7	20	28-22093-3	11-7	350

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FIGURES 7-4C, 7-4D, 8-1 THROUGH 8-11, 12-1A THROUGH 12-2B, 12-5, 12-6A, AND 12-10

Part Number	Figure	Item	Part Number	Figure	Item
28-22094-11	11-19	155	28-22543-11	11-21	1010
28-22094-13	11-19	110	28-22543-13	11-8	135
28-22096-11	11-19	125	28-22543-13	11-9	65
28-22101	9-3	390	28-22543-13	11-7	340
28-22101-1	9-2	29	28-22561-3	6-13	10
28-22102-1	9-2	38	28-22562-17	6-13	50
28-22117	9-3	320	28-22563-5	6-13	100
28-22117-3	9-2	37	28-22606-1	11-21	1020
28-22199-1	9-2	34	28-22607-1	11-21	1030
28-22208-11	9-5	105	28-22608-1	11-21	1040
28-22209-101	9-5	110	28-22609-11	11-21	1050
28-22209-103	9-5	110	28-22613-1	11-21	1060
28-22210-9	9-5	—	28-22615-11	11-21	1070
28-22216-13	11-21	830	28-22615-13	11-21	1080
28-22343-1	11-21	840	28-22615-15	11-21	1070
28-22344-5	11-5	—	2852	11-17	240
28-22350-1	8-3A	—	2855	11-17	260
28-22501-1	11-21	850	286377	6-12	60
28-22501-10	11-21	940	2870	11-17	250
28-22501-11	11-6	330	2871	11-17	230
28-22501-2	11-21	860	28775-214	5-6	200
28-22501-3	11-21	870	28NBC2040YZP	4-1	210
28-22501-4	11-21	880	28NBC2040YZP	4-1	340
28-22501-5	11-21	890	2904-33	11-2	300
28-22501-6	11-21	900	2904-33	11-3	300
28-22501-7	11-21	910	2904-33	11-5	—
28-22501-8	11-21	920	2904-33F5	11-1	400
28-22501-9	11-21	930	2904-33F5	11-4	—
28-22504-1	11-21	950	2D8934	5-6	50
28-22505-1	11-21	960	3/8 Harper	5-3	320
28-22506-1	11-21	970	3/8-6NA	11-19	190
28-22507-1	11-21	980	30-0009-36	6-6	50
28-22508-1	11-21	990	300-037	6-10	20
28-22540-11	11-21	1000	30-1UL	11-8	20
28-22540-17	11-8	155	30-1UL	11-9	20
28-22540-17	11-7	320	30-1UL	11-5	290
28-22540-19	11-19	10	30-1UL	11-7	30
28-22543-11	11-17	220	3028-3/32	11-8	505

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FIGURES 7-4C, 7-4D, 8-1 THROUGH 8-11, 12-1A THROUGH 12-2B, 12-5, 12-6A, AND 12-10

Part Number	Figure	Item	Part Number	Figure	Item
3028-3/32	11-8	520	34-0428070-64	6-6	140
306590	5-4	140	340823	5-4	290
313	6-5	20	35-140-A	11-4	—
31B22111	3-31	—	37A19773-376	3-21	—
325E10-2	3-8	50	38-0230021-00	6-4	—
32-5R	6-4	310	38-0230021-00	6-4	—
327	11-8	50	38-0230021-00	6-4	—
327	11-9	—	381N-500-S	11-8	—
327	11-7	80	381N-500-S	11-9	—
32-7L	6-4	320	3-904 V0894-90	3-8	66
32NBC2044YZP	4-2	110	3A1535-B96-A100	3-10	60
330	6-4	—	3A-3140	3-10	60
330	11-1	—	3A3408-2	10-4	220
330	11-1	—	3AG-1A	11-17	50
330	11-2	—	3BT5EE10J2	3-3	200
330	11-2	—	3BT5EE10J2	3-8	50
330	11-3	—	3MC1-3-2	6-3	—
330	11-4	—	3MC1-3-2	11-5	250
330	11-4	—	3MC1-3-2	11-6	190
330	11-5	—	400-003	3-5.1	50
33-199-36	3-22	—	400-003	3-5.1	80
33-199-36	3-23	—	400510	11-19	35
33-199-916	3-22	260	4016	11-8	470
33-199-916	3-23	270	40NBC2052YZP	4-2	90
338382	5-4	140	4115001-19	9-3	340
34-0070371-02	6-4	150	4118265-21	7-4C	190
34-0070373-01	6-4	—	4118278-21	7-4C	80
34-0070373-01	6-4	—	4118278-23	7-4C	30
34-0070373-01	6-4	—	4118283-11	7-4C	50
34-0070373-01	6-4	90	4118284-13	7-4C	100
34-0070373-01	6-6	350	4118290-15	7-4C	-630
34-0070373-03	6-6	350	4118290-16	7-4C	620
34-0412070-63	6-6	140	4119780-23	9-5	20
34-0412070-63	6-6	440	4119835-33	11-8	355
34-0414020-65	6-4	—	4119835-33	11-8	5
34-0414020-65	6-4	—	4119835-33	6-12	20
34-0414020-65	6-4	—	4119839-11	7-4C	-290
34-0428020-65	6-6	390	4119920-11	11-21	150

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FIGURES 7-4C, 7-4D, 8-1 THROUGH 8-11, 12-1A THROUGH 12-2B, 12-5, 12-6A, AND 12-10

Part Number	Figure	Item	Part Number	Figure	Item
4119920-13	11-21	160	43-13-1-24	3-20	–
4119920-15	11-21	170	43-13-1-24	3-20	–
4164	6-13	191	43-13-1-24	3-20A	–
4166053-11	8-9	–	43-13-1-24	3-20A	–
4166053-11	8-10	–	43-13-1-24	3-20B	–
4166053-13	8-9	–	43-13-1-24	3-20B	–
4166053-13	8-10	–	439-4-8-2-6	11-15	95
4166053-15	8-9	–	439-4-8-2-6	11-13	80
4166053-15	8-10	–	439-4-8-2-6	11-14	–
4192509-901	6-11	10	4406	6-5	50
4196603-23	11-8	75	444-4-2-6	11-15	120
4196603-23	11-9	–	444-4-2-6	3-24	230
4196603-23	11-7	170	444-4-4-2-6	11-13	90
4196609-11	6-14	80	444-4-4-2-6	11-14	90
4199059-1	6-14	70	4503	3-26	90
4199059-3	6-14	70	4508-2	3-20	630
4199072-11	6-11	–	4508-2	3-20A	630
41EN-G3-2311	11-1	–	4508-2	3-20B	630
41EN-G3-2311	11-1	–	4508-75	8-5	620
41EN-G3-2311	11-1	–	4509	6-4	210
41EN-G3-2311	11-2	–	4509	6-7	60
41EN-G3-2311	11-2	–	4509	6-8	20
41EN-G3-2311	11-2	–	4591	6-5	50
41EN-G3-2311	11-3	–	4596	6-8	20A
41EN-G3-2311	11-3	–	4600-00	3-26	–
41EN-G3-2311	11-5	–	488-4D28-20	3-8	20
41EN-G3-2313	11-1	–	48P6	3-23	171
41EN-G3-2313	11-2	–	49726	11-13	–
41EN-G3-2313	11-3	–	4FBTX-D	3-24	80
41EN-G3-2313	11-5	–	4-FBTX-D	3-22	310
41EN-G5-2312	11-1	–	4JBTX-D	3-24	100
41EN-G5-2312	11-2	–	4-LHBTX-S	3-22	440
4208-00	3-26	100	4SN-188-C-73	5-5	230
4222	3-26	140	4-VBTX-S	3-22	420
4232	3-26	10	4WBTX-S	3-24	180
4234	3-26	20	5/16 HARPER	8-4	150
4235	3-26	50	5/8-6B	11-20	20
4241	3-26	70	5/8-6NA	6-6	290

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FIGURES 7-4C, 7-4D, 8-1 THROUGH 8-11, 12-1A THROUGH 12-2B, 12-5, 12-6A, AND 12-10

Part Number	Figure	Item	Part Number	Figure	Item
5045	4-2	160	600700-0000	3-8	50
507-507-101	11-1	80	601002-4-0120	11-10	50
507-507-101	11-1	320	601002-6-0180	3-4	90
507-507-101	11-1	340	601002-6-0180	3-6	50
507-507-101	11-2	—	6041-ED22	6-2	20
507-507-101	11-2	210	6041H34	6-1	30
507-507-101	11-2	230	60617-1	11-7	—
507-507-101	11-3	—	60618-1	11-8	—
507-507-101 (7.5A)	11-5	220	60618-1	6-11	—
5102-137-PP	12-6A	130	60618-1	11-7	—
511T1-2	11-1	50	60685K31	7-4C	-455
511TS1-2	11-1	60	60686K31	7-4C	-525
5310-00-063-9015	6-6	300	608036-1	11-19	—
550	9-3	70	608036-1	11-19	—
550	9-3	90	608036-1	11-19	—
550	9-4	110	608036-1	11-19	—
550	9-4	220	608036-1	11-19	—
550	9-4	70	608036-1	11-19	—
551-5	11-11	220	62	3-24	550
55-4527-1067	3-14	80	624100-4-0120	3-22	430
57-3255-2121	3-10	60	624100-6-0060	3-22	410
57-3255-2121	3-15	70	624100-6-0180	3-6	60
58390	6-11	50	624117-6-0180	3-22	350
588-6D1	3-4	140	624117-6-0180	3-6	50
59-022-094-0500	5-5	70	62447-6-180	3-4	90
5934	11-1	160	6312-H69	11-4	-40A
5934	11-3	50	6312-H69A	11-2	40
5934	11-4	50	6312-H69A	11-3	40
5934-1	11-2	50	6-4 C5OX-S	3-8	67
5934M	11-2	-50A	64021	6-9	20
5934PD-3-A.253	11-5	60	64-632-74	3-24	430
5934PD-3-A.253	11-7	120	6487923	3-1	30
5934PD-3-A.253	11-8	60	6487923	3-2	30
5934PD-3-A.253	11-9	40	65-29AP	11-1	180
6 X 3/8	11-8	350	65-29AP	11-4	70
6 X 3/8	11-19	20	65-29B	11-2	70
6 X 3/8	11-7	750	65-29B	11-3	70
600700-0000	3-3	200	65-29B	11-4	-70A

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FIGURES 7-4C, 7-4D, 8-1 THROUGH 8-11, 12-1A THROUGH 12-2B, 12-5, 12-6A, AND 12-10

Part Number	Figure	Item	Part Number	Figure	Item
65-4527-2229	3-10	10	7101SYZQE	11-8	150
65-4527-2229	3-14	80	7101SYZQE	11-9	185
65614	3-20	420	7101SYZQE	11-19	30
65614	3-20A	420	7101SYZQE	11-7	680
65614	3-20B	420	7101SYZQE	11-17	30
65614	3-9	140	7235-1-100	6-13	185
66224	3-3	150	7235-1-100	6-3	10
6-6FBTX-D	3-24	270	726607	6-11	40
6-6FBTX-S	3-22	230	726621	5-6	130
67-02-E-18-64S	8-5	190	726621	6-11	—
67-06-C-18-64P	8-5	200	7270-1-20	11-5	200
6-8 F5OX-S	3-23	120	7270-1-3	11-8	255
68-2290005-30	6-6	400	7270-1-3	11-9	135
68-4230020-30	6-4	—	7270-1-3	11-5	190
68-4230020-40	6-4	—	7270-1-3	11-7	540
68-4230020-40	6-6	120A	7270-1-35	11-8	240
68-4230020-40	6-6	30	7270-1-35	11-9	130
68-4230020-50	6-4	—	7270-1-35	11-7	510
68-4230020-50	6-6	120	7270-1-5	11-8	250
68-4230020-50	6-6	30	7270-1-5	11-9	140
68-4250066-30	6-6	410	7270-1-5	11-5	180
68-4270002-30	6-6	430	7270-1-5	11-7	520
6-F5OX-S	3-22	210	7270-1-7 1/2	11-7	550
6RX1/2	8-5	610	7270-1-7 1/2	11-8	260
6-S5OX-S	3-22	360	7270-1-7 1/2	11-9	145
6-V5OX-S	3-22	140	7270-1-7 1/2	11-5	170
6x1/2	9-1	5	7270-1-7 1/2	11-1	—
6x1/2	9-2	4	7274-2-10	11-8	205
6X3/8	6-12	30	7274-2-10	11-7	440
700-001-10	11-6	440	7274-2-2 1/2	11-7	420
700-001-15	11-1	90	7274-2-2 1/2	11-8	195
700-001-20	11-1	100	7274-2-3	11-8	215
700-001-20	11-5	240	7274-2-3	11-7	460
700200	11-19	25	7274-2-5	11-8	210
700702-16	11-19	175	7274-2-5	11-7	450
702-5123	8-5	—180G	7277-5-2	11-9	115
702-5130	8-5	—180H	7277-5-3	11-9	110
7079B-12	6-4	150	7277-5-5	11-9	120

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FIGURES 7-4C, 7-4D, 8-1 THROUGH 8-11, 12-1A THROUGH 12-2B, 12-5, 12-6A, AND 12-10

Part Number	Figure	Item	Part Number	Figure	Item
732BL	11-8	–	8000-B251	11-5	50B
732BL	11-8	–	8000-B251	11-6	30
732-RTV	3-16	30	8000-B332	11-2	–60A
7361	5-4	80	8000T	11-1	170
74465	3-30	90	8000T	11-4	60
748-RTV	11-19	–	800-28V-BAT	11-8	100
75118	3-27	80	803-1710-0331-5	11-3	–
75386	3-22	470	803-1710-0331-504	6-11	190
755-2-2-6	10-1	6	803-1710-0331-504	11-1	–
755-2-2-6	10-2	6	803-1710-0331-504	11-4	–
755-2-2-6	10-3	–	803-1710-0331-504	11-5	–
755-2-2-6	10-3	–	804-1710-0332-5	11-3	–
755-2-2-6	10-4	140	804-1710-0332-504	11-1	–
755-2-2-6	10-4	240	804-1710-0332-504	11-4	240
770001-5	11-8	285	804-1710-0332-504	11-5	–
770001-5	11-9	205	8110-CC	3-22	150
770001-5	11-7	600	8134K21A1M50	11-4	20
773-4/50 VDC	11-1	30	8134K21A1M52	11-1	130
773-4/50 VDC	11-5	–	8134K21A1T50	11-1	10
773-8/50 VDC	11-5	–	8134K21A1T50	11-4	10
77611	3-27	80	8190002	3-22	370
77611	3-28	140	8190042	3-23	370
786-4	3-24	120	82-19-120-16	3-20	–
786-4-CU	3-24	120	82-19-120-16	3-20	–
79012-062-0500	12-2B	220	82-19-120-16	3-20A	–
79-012-062-0500	11-18	95	82-19-120-16	3-20A	–
79-048-250-0625	5-5	60	82-19-120-16	3-20B	–
8 X 3/8	7-4D	30	82-19-120-16	3-20B	–
8000 B.786	11-5	50	82-19-140-16	3-20	–
8000 B.852	11-7	400	82-19-140-16	3-20	–
8000 B.853	11-8	185	82-19-140-16	3-20A	–
8000 B.853	11-9	95	82-19-140-16	3-20A	–
8000 CODE B251	11-3	60	82-19-140-16	3-20B	–
8000-B.852	11-5	50	82-19-140-16	3-20B	–
8000-B.853	11-5	50A	82-32-101-20	3-20	–
8000-B160	11-2	60	82-32-101-20	3-20	–
8000-B160	11-5	50	82-32-101-20	3-20A	–
8000-B251	11-4	–60A	82-32-101-20	3-20A	–

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FIGURES 7-4C, 7-4D, 8-1 THROUGH 8-11, 12-1A THROUGH 12-2B, 12-5, 12-6A, AND 12-10

Part Number	Figure	Item	Part Number	Figure	Item
82-32-101-20	3-20B	–	8x1/2	9-3	–
82-32-101-20	3-20B	–	8x1/2	9-4	–
82-35-302-15	3-18	–	8x3/4	9-2	7
82-35-302-15	3-18	–	8X3/8	6-5	255
82-35-302-15	3-18	–	8x3/8	9-3	20
82-35-302-15	3-20	–	8x3/8	9-3	20A
82-35-302-15	3-20	–	8x3/8	9-4	–
82-35-302-15	3-20	–	8x3/8	9-4	–
82-35-302-15	3-20	–	8X5/8	3-20	291
82-35-302-15	3-20	–	951789	3-23	660
82-35-302-15	3-20	–	959-5	4-4	130
82-35-302-15	3-20	–	96394-01	3-30	–A
82-35-302-15	3-20A	–	97CSX-2 24VDC	6-7	190
82-35-302-15	3-20A	–	980-001	3-2	270
82-35-302-15	3-20A	–	980-001	4-2	–
82-35-302-15	3-20A	–	980-001	6-6	200
82-35-302-15	3-20A	–	980-001	11-20	90
82-35-302-15	3-20A	–	A005-1991	12-1B	130
82-35-302-15	3-20A	–	A01784-6Z-1D	3-17	20
82-35-302-15	3-20B	–	A01787-8Z-1D	7-4D	40
82-35-302-15	3-20B	–	A01789-8Z-1D	3-20	292
82-35-302-15	3-20B	–	A06191-8Z-1D	6-12	40
82-35-302-15	3-20B	–	A-10019-D	3-23	140
82-35-302-15	3-20B	–	A-10019-E	3-23	140
82-35-302-15	3-20B	–	A10K166	7-4C	650
82-35-302-15	3-20B	–	A-1280-1	6-6	60
8473 H5L16	5-6	–	A-1280-2	6-6	30
8473H5L16	5-7	90	A-1280-3	6-6	30
8473RUPH5-L16	5-6	–	A1285-C-12	6-4	80
848-FSO-10-08	3-7	10	A1285-G-12	6-4	20
848-FSO-10-08	3-7	320	A-1285-G-12	6-6	20B
849-FSO-06-08	3-23	220	A1285-R-12	6-4	10
85-9217-06	3-30	40A	A-1285-R-12	6-6	20A
883-FS-06X04	3-4	120	A1784-6Z-1	3-17	20
8x1/2	10-1	17	A1784-6Z-1	9-1	10
8x1/2	10-2	9	A1787-8Z-1	9-1	4
8X1/2	3-17	90	A1789-8Z1	10-1	8
8x1/2	9-1	15	A1789-8Z1	10-2	8

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FIGURES 7-4C, 7-4D, 8-1 THROUGH 8-11, 12-1A THROUGH 12-2B, 12-5, 12-6A, AND 12-10

Part Number	Figure	Item	Part Number	Figure	Item
A1789-8Z1	10-3	–	AA-2204	6-12	80
A1789-8Z1	10-4	150	AA-28-14385-15	4-2.1	10A
A-218-938517-00	8-5	–180F	AA-28-14386-1	4-2.1	40A
A350CNIWBKSH28	11-8	80	AA8131	6-12	120
A350CNIWBKSH28	11-7	180	AA-832-06	11-8	485
A413A,HDA,DF	6-6	150	AA86146	5-6	170
A421-1	11-21	1260	AA-ECD-084-280	4-2.1	50
A-440	6-6	100	ABM1M-A-C	11-19	120
A457A	6-6	430	ABM1M-A-C	6-12	90
A469	6-6	360	ABM1M-A-C	6-2	–
A470-R	6-6	230	AC78M	6-9	10
A490T-DF14	6-6	150A	ACF-50	4-2	–
A490T-DF28	6-6	150B	AE80664H	3-3	–
A508-14	6-6	140	AEROSHELL 22	5-2	–
A508-14	6-6	440	AFP5	3-1	30
A508-28	6-6	140	AFP5	3-2	30
A53C	3-1	30	AJW4-30	3-2	111
A53C	3-2	30	AJW4-30	3-20	–
A555-H	6-6	420	AJW4-30	3-20	–
A610	6-6	130	AJW4-30	3-20A	–
A612	6-6	400	AJW4-30	3-20A	–
A615	6-6	410	AJW4-30	3-20B	–
A6195-8Z1D	9-4	–	AJW4-30	3-20B	–
A6195-8Z-1D	9-4	–	AJW4-30	3-20B	–
A-740-12	10-1	19	AJW4-30	3-20B	–
A-740-12	10-2	21	ALJF3T	7-4C	520
A-740-12	10-3	14	ALJFL3T	7-4C	450
A-740-12	10-4	220	ALU8521LS	3-31	–
A-8110-G	3-22	150	AN173-17A	3-11	70
A8943-632-493	11-6	70	AN173-21A	3-11	80
A8944-632-493	11-6	150	AN174-21	8-4	280
A8970B-1-330	11-1	390	AN176-15A	4-2	290
A8970B-1-330	11-2	290	AN176-17A	4-2	300
A8970B-1-330	11-3	290	AN178-21	4-3	130
A8970B-1-330	11-4	280	AN178H-65A	5-4	150
A8970B-1-330	11-5	–	AN178H-66A	5-4	150
A8970B-1-330	11-6	180	AN178H-67A	5-4	150
A-8970B-1-330	6-4	350	AN178H-70A	5-4	150

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FIGURES 7-4C, 7-4D, 8-1 THROUGH 8-11, 12-1A THROUGH 12-2B, 12-5, 12-6A, AND 12-10

Part Number	Figure	Item	Part Number	Figure	Item
AN2552-3A	6-13	120	AN315-3R	3-28	280
AN3-10	3-10	280	AN315-3R	3-28	280
AN310-5	3-28	380	AN315-3R	7-4C	530
AN310-7	3-30	50A	AN315-4R	6-2	–
AN3-10A	3-10	140	AN315-4R	6-2	–
AN3-10A	3-11	130	AN315-4R	6-2	–
AN3-10A	8-11	50	AN316-12	3-24	460
AN3-11	3-28	330	AN316-12R	3-15	80
AN3-11A	11-18	5	AN316-12R	3-24	460
AN3-11A	12-2B	280	AN316-12R	5-3	480
AN3-11A	3-23	550	AN316-3R	3-14	40
AN3-11A	3-6	150	AN316-3R	3-15	40
AN3-11A	3-7	120	AN316-4L	8-11	210
AN3-11A	5-3	190	AN316-4R	3-11	–
AN3-12	3-11	460	AN316-4R	3-11	190
AN3-12A	11-9	210	AN316-4R	8-11	210
AN3-12A	3-10	210	AN316-5	8-3	150
AN3-12A	3-13	70	AN316-5	8-5	–
AN3-12A	4-2	425	AN316-5L	12-5	150
AN3-12A	4-2.1	130	AN316-5L	5-5	210
AN3-12A	5-5	250	AN316-5L	8-4	120
AN3-12A	11-7	610	AN316-5L	8-5	–
AN3-13	3-11	420	AN316-5R	12-5	170
AN3-13	3-14	70	AN316-5R	5-2	160
AN3-13A	3-10	170	AN316-5R	5-5	190
AN3-13A	3-12	110	AN316-5R	8-3	150
AN3-13A	3-13	40	AN316-5R	8-4	110
AN3-13A	3-26	200	AN316-5R	8-6A	120
AN3-14A	3-23	560	AN316-6R	5-6	–
AN3-14A	6-13	30	AN316-6R	6-11	30
AN3-14A	8-5A	140	AN316-7R	3-14	90
AN315-3L	7-4C	440	AN316-7R	3-15	100
AN315-3R	3-10	270	AN316-8R	3-14	90
AN315-3R	3-14	40	AN316-8R	3-15	100
AN315-3R	3-15	40	AN316-8R	5-3	500
AN315-3R	3-28	230	AN3-16A	8-11	90
AN315-3R	3-28	280	AN3-17A	8-5	310
AN315-3R	3-28	280	AN3-17A	8-7	50

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FIGURES 7-4C, 7-4D, 8-1 THROUGH 8-11, 12-1A THROUGH 12-2B, 12-5, 12-6A, AND 12-10

Part Number	Figure	Item	Part Number	Figure	Item
AN320-6	8-1	150	AN340-8	3-6	120
AN320-7	8-1	120	AN340-8	3-7	80
AN320-8	5-3	90	AN340-8	5-1	370
AN320-8	8-3A	400	AN340-8	6-1	—
AN3-21A	9-5	60	AN340-8	6-1	—
AN3-22	3-11	380	AN340-8	6-1	—
AN3-22A	5-1	120	AN340-8	6-1	—
AN3-22A	8-11	300	AN340-8	6-13	—
AN3-23A	3-12	90	AN340-8	6-2	—
AN3-3A	3-20	450	AN340-8	9-1	8
AN3-3A	3-20A	450	AN340-8	9-2	14
AN3-3A	3-20B	450	AN340-8	11-13	110
AN3-3A	3-22	20	AN340-8	11-14	140
AN3-3A	6-2	—	AN340-8	11-16	80
AN3-3A	6-2	—	AN340-832	11-18	50
AN3-3A	6-3	20	AN340-832	12-2B	120
AN3-3A	8-5	240	AN340-832	3-2	250
AN340-4	8-9	90	AN340-832	3-4	310
AN340-4	8-10	90	AN340-832	3-9	120
AN340-6	3-16	110	AN340-832	8-3A	290
AN340-6	3-26	120	AN340-832	11-17	180
AN340-6	11-20	80	AN341-516	6-13	—
AN340-632	3-20	370	AN345-10	3-1	90
AN340-632	3-20A	370	AN345-10	3-20	595
AN340-632	3-20B	370	AN345-10	3-20B	595
AN340-632	11-5	—	AN345-10	3-25	50
AN340-632	11-6	80	AN345-10	6-13	—
AN340-8	10-3	—	AN345-10	8-9	—
AN340-8	10-4	210	AN345-10	8-10	—
AN340-8	3-2	250	AN3-4A	3-10	30
AN340-8	3-20	600	AN3-4A	3-12	20
AN340-8	3-20A	600	AN3-4A	3-20	470
AN340-8	3-20B	600	AN3-4A	3-20A	470
AN340-8	3-22	130	AN3-4A	3-20B	—
AN340-8	3-23	110	AN3-4A	3-20B	470
AN340-8	3-24	140	AN3-4A	3-23	20
AN340-8	3-4	310	AN3-4A	3-6	250
AN340-8	3-5	80	AN3-4A	3-7	150

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FIGURES 7-4C, 7-4D, 8-1 THROUGH 8-11, 12-1A THROUGH 12-2B, 12-5, 12-6A, AND 12-10

Part Number	Figure	Item	Part Number	Figure	Item
AN3-4A	3-7	250	AN364-1032A	8-11	70
AN3-4A	6-13	186	AN364-1032A	8-6A	150
AN3-4A	6-13	260	AN364-1216A	4-2	270
AN3-4A	9-5	40	AN364-428	8-8	60
AN3-4A	8-6	40	AN364-428A	3-22	180
AN3-4A	8-6A	130	AN364-428A	3-22	290
AN3-5	3-10	230	AN364-428A	3-23	190
AN3-5A	12-2A	70	AN364-428A	5-1	490
AN3-5A	3-12	70	AN364-428A	5-1	70
AN3-5A	3-20	500	AN364-428A	5-5	140
AN3-5A	3-20A	500	AN364-428A	6-13	—
AN3-5A	3-20B	500	AN364-428A	8-11	10
AN3-5A	3-21	20	AN364-428A	8-11	150
AN3-5A	3-7	330	AN364-428A	12-10	300
AN3-5A	5-5	310	AN364-524A	5-4	230
AN3-6	12-6A	190	AN364-624A	4-2	320
AN3-6	3-13	90	AN364-624A	5-3	330
AN363-524	3-3	180	AN364-632A	6-14	40
AN364-1018A	5-6	20	AN364-632A	6-4	—
AN364-1032	8-5	260	AN364-632A	6-4	—
AN364-1032	8-5A	160	AN364-632A	6-4	—
AN364-1032	8-6	60	AN364-632A	6-4	—
AN364-1032	8-7	70	AN364-632A	6-4	—
AN364-1032A	3-10	190	AN364-632A	6-4	—
AN364-1032A	3-11	160	AN364-632A	6-6	190
AN364-1032A	3-13	60	AN364-632A	9-2	41
AN364-1032A	3-21	50	AN364-632A	12-10	330
AN364-1032A	3-26	220	AN364-820A	5-3	130
AN364-1032A	5-1	150	AN364-820A	5-4	120
AN364-1032A	5-3	460	AN364-832	6-5	32
AN364-1032A	5-5	300	AN364-832	9-3	360
AN364-1032A	6-13	—	AN364-832A	10-3	—
AN364-1032A	6-13	—	AN364-832A	10-3	—
AN364-1032A	6-13	—	AN364-832A	10-3	—
AN364-1032A	6-13	188	AN364-832A	10-3	—
AN364-1032A	6-13	195	AN364-832A	10-4	270
AN364-1032A	6-14	130	AN364-832A	10-4	410
AN364-1032A	6-3	40	AN364-832A	10-4	90

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FIGURES 7-4C, 7-4D, 8-1 THROUGH 8-11, 12-1A THROUGH 12-2B, 12-5, 12-6A, AND 12-10

Part Number	Figure	Item	Part Number	Figure	Item
AN364-832A	11-19	228	AN365-632A	6-6	260
AN364-832A	3-2	190	AN365-632A	9-3	110
AN364-832A	6-6	340	AN365-632A	9-4	100
AN364-832A	6-7	110	AN365-8	10-1	–
AN364-832A	6-7	210	AN365-832	10-2	–
AN364-832A	9-2	32	AN365-832A	3-10	100
AN364-832A	9-3	410	AN365-832A	3-2	190
AN364-832A	11-11	200	AN365-832A	6-11	221
AN365-1032A	11-18	10	AN365-832A	8-6	120
AN365-1032A	12-1B	90	AN365-832A	8-6A	60
AN365-1032A	3-10	160	AN3-6A	3-21	20
AN365-1032A	3-10	40	AN3-6A	3-3	–
AN365-1032A	3-11	100	AN3-6A	6-13	–
AN365-1032A	3-12	50	AN3-7	3-10	330
AN365-1032A	3-20	520	AN3-7	3-14	10
AN365-1032A	3-20A	520	AN3-7	3-15	10
AN365-1032A	3-20B	520	AN380-2-2	10-1	11
AN365-1032A	3-23	580	AN380-2-2	10-2	12
AN365-1032A	3-6	170	AN380-4-8	4-2	200
AN365-1032A	3-6	270	AN381-2-10	12-6B	250
AN365-1032A	3-7	140	AN381-2-10	5-1	300
AN365-1032A	5-3	220	AN381-2-10	7-4C	70
AN365-1032A	5-6	–	AN381-2-10	8-3	50
AN365-1032A	6-13	61	AN381-2-10	8-5	470
AN365-1032A	11-11	90	AN381-2-12	3-24	530
AN365-1032C	3-27	70	AN381-2-16	12-6B	90
AN365-1032C	3-28	110	AN381-2-7	8-2	70
AN365-1032C	3-28	110	AN381-2-7	8-3A	370
AN365-1032C	3-28	50	AN381-2-7	8-4	300
AN365-428	5-6	310	AN381-2-8	10-3	–
AN365-428	5-7	80	AN381-2-8	10-4	170
AN365-428A	12-1B	120	AN381-2-8	12-5	100
AN365-428A	5-4	410	AN381-2-8	12-5	210
AN365-428A	6-2	–	AN381-2-8	12-6A	250
AN365-524A	4-1	140	AN381-2-8	3-10	250
AN365-624A	5-4	380	AN381-2-8	3-11	320
AN365-632A	3-17	130	AN381-2-8	3-13	110
AN365-632A	6-11	–	AN381-2-8	3-14	60

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FIGURES 7-4C, 7-4D, 8-1 THROUGH 8-11, 12-1A THROUGH 12-2B, 12-5, 12-6A, AND 12-10

Part Number	Figure	Item	Part Number	Figure	Item
AN381-2-8	3-15	60	AN4-13A	3-22	270
AN381-2-8	3-28	320	AN4-13A	3-23	290
AN381-2-8	5-2	110	AN4-13A	5-5	350
AN381-2-8	5-3	410	AN4-14	12-5	190
AN381-2-8	5-5	170	AN4-14	5-1	260
AN381-2-8	8-3	100	AN4-14	5-3	550
AN381-2-8	8-4	190	AN4-14	8-3	70
AN381-2-8	8-5	420	AN4-15A	5-1	10
AN381-2-8	8-5A	130	AN4-16	3-11	330
AN381-2-8	8-6A	200	AN4-17	8-5	370
AN381-3-12	8-5A	80	AN4-17A	5-6	290
AN381-3-16	4-3	170	AN4-17A	5-7	60
AN381-3-16	8-1	140	AN4-17A	8-8	110
AN381-3-16	8-3A	410	AN4-23	8-3A	310
AN386-2-7A	12-1B	60	AN4-23A	5-1	220
AN386-2-7A	5-6	—	AN426A3-3	3-19	—
AN386-2-8A	12-1B	50	AN4-37	3-11	270
AN393-11	3-28	300	AN4-3A	3-22	160
AN394-17	5-5	150	AN4-3A	3-23	180
AN3C10A	3-29	100	AN4-3A	6-13	180
AN3C4A	3-27	60	AN4-3A	6-2	—
AN3C4A	3-28	100	AN4-3A	6-2	—
AN3C4A	3-28	100	AN4-3A	6-2	—
AN3C4A	3-28	40	AN4-3A	6-2	—
AN3H3A	12-1A	240	AN4-4A	5-6	220
AN3H5A	12-2A	70A	AN4-5A	5-3	150
AN3H-5A	5-3	450	AN4-5A	12-10	280
AN3H6A	5-3	450	AN4-6A	5-1	470
AN4076-1	11-19	130	AN4-6A	9-5	10
AN4076-1	5-6	160	AN4-7A	12-1B	100
AN4-10A	8-11	130	AN4-7A	5-4	390
AN4-10A	8-8	70	AN4C5A	3-29	60
AN4-11	5-3	360	AN4H10A	4-4	170
AN4-11	8-4	230	AN4H-12A	3-11	260
AN4-11A	8-8	140	AN4H15A	4-4	280
AN4-12A	5-5	100	AN4H4A	12-10	270
AN4-12A	8-8	30	AN500-416-7	3-23	160
AN4-13	12-5	10	AN500-6-8	3-26	110

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FIGURES 7-4C, 7-4D, 8-1 THROUGH 8-11, 12-1A THROUGH 12-2B, 12-5, 12-6A, AND 12-10

Part Number	Figure	Item	Part Number	Figure	Item
AN502-10-10	8-3A	260	AN507-832-16	6-9	50
AN502-10-10	8-9	20	AN507-832R10	11-20	120
AN502-10-10	8-10	20	AN507-B-632-R6	11-6	430
AN502-10-14	3-28	220	AN509-10R16	6-13	192
AN502-10-8	3-20	400	AN509-10R38	3-12	80
AN502-10-8	3-20A	400	AN509-832R4	6-11	240
AN502-10-8	3-20B	400	AN5-10	8-5	430
AN502-10-8	3-9	130	AN5-11	8-4	200
AN502-10-8	8-9	—	AN5-11	8-5	520
AN502-10-8	8-10	—	AN5-11	8-6A	160
AN503-10-10	8-2	10	AN5-11A	3-3	170
AN503-10-10	8-3A	170	AN5-12	8-3	20
AN503-10-18	12-6B	260	AN5-12	8-5	510
AN503-10-6	5-2	50	AN5-13	8-5A	90
AN503-10-8	12-6A	240	AN515-10-6	3-1	60
AN503-10-8	3-3	210	AN515-4R12	8-9	60
AN503-416-10	3-20	530	AN515-4R12	8-10	60
AN503-416-10	3-20	530	AN515-6-6	3-20	340
AN503-416-10	3-20A	530	AN515-6-6	3-20A	340
AN503-416-10	3-20B	530	AN515-6-6	3-20B	340
AN503-416-10	3-20B	530	AN515-6-6	6-4	260
AN503-416-10	3-4	40	AN515-6-6	6-4	300
AN503-416-28	3-20	530	AN515-6-R11	6-5	190
AN503-416-28	3-20A	530	AN515-6R3	11-17	20
AN503-416-28	3-20B	530	AN515-6R7	3-17	110
AN503-416-28	3-7	360	AN515-6R8	3-26	110
AN503-8-6	8-7	—	AN515-8-10	6-1	130
AN503-8-6	8-10	380	AN515-8-10	6-1	70
AN503-8-8	8-9	130	AN515-8-10	11-14	—
AN503-8-8	8-9	380	AN515-8-16	3-22	100
AN503-8-8	8-10	130	AN515-8-16	11-14	110
AN507-1032R14	6-13	130	AN515-8-20	11-14	170
AN507-632R12	6-4	100	AN515-8-24	11-14	—
AN507-632R14	6-6	170	AN515-8-7	10-1	20
AN507-632R24	6-6	160	AN515-8-7	10-2	22
AN507-632R8	6-4	50	AN515-8-8	3-2	230
AN507-632R8	6-6	210	AN515-8-8	6-1	110
AN507-632R8	6-6	380	AN515-8-8	6-1	50

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FIGURES 7-4C, 7-4D, 8-1 THROUGH 8-11, 12-1A THROUGH 12-2B, 12-5, 12-6A, AND 12-10

Part Number	Figure	Item	Part Number	Figure	Item
AN515-8-8	11-14	160	AN515-8-R8	11-18	40
AN515-8R10	3-22	400	AN515-8R8-832	3-2	230
AN515-8R10	3-23	80	AN515B-6-R12	11-6	50
AN515-8R10	3-24	240	AN515B-6-R14	11-5	–
AN515-8R10	3-4	280	AN515B-6-R14	11-6	140
AN515-8R10	3-5	50	AN515B-6-R16	11-6	60
AN515-8R10	3-6	90	AN515B-6-R18	11-6	130
AN515-8R10	3-7	50	AN515-B6R3	11-8	130
AN515-8R10	11-13	100	AN515-B6R3	11-9	–
AN515-8R10	11-16	120	AN515-B6R3	11-7	330
AN515-8R12	3-4	280	AN515B-6-R6	11-6	220
AN515-8R14	6-11	60	AN515B-6-R7	11-6	380
AN515-8R16	3-22	100	AN515B-8-R12	11-8	515
AN515-8R16	11-13	150	AN5-16	8-4	140
AN515-8R20	3-24	250	AN517-8R7	3-9	90
AN515-8R7	10-3	–	AN5-22	5-1	400
AN515-8R7	10-3	7	AN525-10R10	7-4C	360
AN515-8R7	10-3	8	AN525-10R24	6-13	70
AN515-8R7	3-17	140	AN525-832R10	11-19	185
AN515-8R7	3-20	430	AN525-832R10	9-2	30
AN515-8R7	3-20A	430	AN525-832R10	9-3	370
AN515-8R7	3-20B	430	AN525-832R14	6-11	150
AN515-8R7	3-6	230	AN525-832R14	9-3	370A
AN515-8R7	3-7	250	AN525-832R18	3-24	250
AN515-8R7	3-7	280	AN525-832R22	3-25	90
AN515-8R8	10-2	–	AN525-832R6	3-1	160
AN515-8R8	10-3	–	AN525-832R6	6-5	220
AN515-8R8	10-4	180	AN525-832R6	7-4C	260
AN515-8R8	10-4	230	AN525-832R6	8-6A	40
AN515-8R8	10-4	50	AN525-832R8	11-19	205
AN515-8R8	12-2B	90	AN525-832R8	3-23	50
AN515-8R8	3-19	140	AN525-832R8	3-25	20
AN515-8R8	3-2	260	AN525-832R8	6-10	60
AN515-8R8	3-20	570	AN525-832R8	11-11	180
AN515-8R8	3-20A	570	AN525-832R8	11-16	60
AN515-8R8	3-20B	570	AN525-8R20	6-5	30
AN515-8R8	3-24	130	AN525-8R6	5-1	340
AN515-8R8	11-17	150	AN526-1032R6	6-14	110

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FIGURES 7-4C, 7-4D, 8-1 THROUGH 8-11, 12-1A THROUGH 12-2B, 12-5, 12-6A, AND 12-10

Part Number	Figure	Item	Part Number	Figure	Item
AN526-1032R8	3-20	565	AN526-832R8	6-5	210
AN526-1032R8	3-20A	565	AN526-832R8	6-5	40
AN526-1032R8	3-20B	565	AN526-832R8	6-6	320
AN526-1032R8	3-20B	565	AN526-832R8	6-7	90
AN526-1032R8	3-5.1	150	AN526-832R8	6-8	40
AN526-1032R8	6-13	—	AN526-832R8	9-1	6
AN526-1032R8	11-11	70	AN526-832R8	9-2	12
AN526-632R10	9-2	39	AN526-832R8	9-3	270
AN526-632R12	11-19	45	AN526-832R8	9-4	240
AN526-632R16	6-5	—	AN526-832R9	6-5	245
AN526-632R16	6-5	—	AN526-8R7	3-10	80
AN526-632R4	5-4	340	AN526-8R8	9-3	330
AN526-632R5	6-14	20	AN526C832R8	3-22	50
AN526-632R6	6-6	250	AN530-6-8	9-3	40
AN526-632R6	11-20	40	AN530-6-8	9-4	40
AN526-632R7	6-4	130	AN530-6R6	3-17	30
AN526-632R7	6-6	280	AN530-6R6	3-17	60
AN526-632R7	11-20	50	AN530-8-8	10-1	7
AN526-632R8	6-4	170	AN530-8-8	10-2	7
AN526-632R8	6-4	280	AN530-8R8	10-3	4
AN526-632R8	6-6	310	AN530-8R8	10-4	130
AN526-632R8	6-6	370	AN530-8R8	3-17	160
AN526-632R8	6-7	160	AN530-8R8	3-17	180
AN526-6R6	3-16	80	AN530-8R8	9-1	3
AN526-832-5	3-2	260	AN530-8R8	9-3	530
AN526-832R10	6-11	210	AN530-8R8	9-4	—
AN526-832R10	6-5	240	AN530C10-8	3-28	—
AN526-832R10	6-7	30	AN530C8-8	3-27	—
AN526-832R6	6-4	200	AN531-6R10	9-4	80
AN526-832R7	10-4	300	AN531-6R8	9-3	60
AN526-832R7	10-4	390	AN531-6R8	9-4	60
AN526-832R7	3-10	80	AN5-35A	5-4	210
AN526-832R7	6-11	210	AN5-43A	4-1	50
AN526-832R8	10-3	12	AN5-44A	4-1	50
AN526-832R8	11-19	226	AN5-4A	6-13	220
AN526-832R8	3-2	120	AN5546-1	11-19	135
AN526-832R8	6-10	60	AN5546-1	5-6	170
AN526-832R8	6-13	250	AN5C13A	3-29	90

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Part Number	Figure	Item	Part Number	Figure	Item
AN5H-45A	4-1	20	AN743-13	11-11	100
AN5H-46A	4-1	20	AN743-13	11-13	140
AN5H-6A	4-1	10	AN743-13	11-14	150
AN6-10A	5-4	360	AN74A11	3-3	50
AN6195-8Z-1D	9-3	—	AN74A4	3-1	130
AN6195-8Z-1D	9-3	—	AN74A4	3-2	290
AN6-22	8-5A	60	AN74A4	3-29	80
AN6227-6	5-6	—	AN74A5	3-3	110
AN635-632A	9-4	210	AN7-50	3-30	10A
AN665-46R	5-5	180	AN75A12	8-4	260
AN737TW22	3-3	320	AN75-A12	4-2	350
AN737TW22	3-4	80	AN75A41	3-23	460
AN737TW34-38	3-3	130	AN75A5	3-29	70
AN73A3	5-3	430	AN75A5	3-3	20
AN742-40	10-1	—	AN75A6	4-2	340
AN742D28	3-5.1	90	AN75A6	8-4	250
AN742D28	3-5.1	170	AN7H7A	12-10	350
AN742D38	10-3	—	AN8-10A	5-4	20
AN742D48	10-3	—	AN814-2DL	12-1A	70
AN742D48	10-3	15	AN814-2DL	4-4	260
AN742D48	10-4	250	AN815-4	3-22	440
AN742D48	10-4	70	AN815-4	3-23	440
AN742D-48	3-1	40	AN815-4	11-11	150
AN742-D48	10-2	28	AN815-4D	3-4	170
AN742-F6	3-20	620	AN815-4D	11-7	690
AN742-F6	3-20A	620	AN815-4D	11-8	340
AN742-F6	3-20B	620	AN815-4D	11-9	270
AN742F8	5-5	290	AN815-4D	11-10	100
AN743-13	10-1	21	AN815-4D	11-12	40
AN743-13	10-2	23	AN815-4D	11-13	70
AN743-13	10-3	17	AN815-4D	11-15	60
AN743-13	10-4	470	AN815-6	3-23	—
AN743-13	11-15	110	AN815-6	3-6	70
AN743-13	11-19	230	AN815-6	3-8	80
AN743-13	3-24	—	AN816-4	3-4	190
AN743-13	3-24	—	AN816-4	3-8	40
AN743-13	3-24	—	AN816-4D	11-8	—
AN743-13	3-24	320	AN816-4D	11-8	—

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FIGURES 7-4C, 7-4D, 8-1 THROUGH 8-11, 12-1A THROUGH 12-2B, 12-5, 12-6A, AND 12-10

Part Number	Figure	Item	Part Number	Figure	Item
AN816-4D	11-8	–	AN832-4D	11-10	70
AN816-4D	11-8	–	AN832-4D	11-11	110
AN816-4D	11-8	325	AN833-4	11-13	60
AN816-4D	11-9	255	AN833-4	11-14	10
AN816-4D	3-22	310	AN833-4D	11-15	15
AN816-4D	3-23	320	AN834-4	3-24	380
AN816-4D	3-24	350	AN834-4D	3-24	380
AN816-4D	3-24	80	AN834-4D	11-11	40
AN816-4D	3-8	40	AN900-10	5-6	120
AN816-4D	11-7	730	AN900-6	5-6	140
AN816-4D	11-12	10	AN900-8	5-6	120
AN816-4D	11-12	130	AN911-1D	3-24	360
AN816-4D	11-13	180	AN911-1D	11-13	190
AN816-6	3-22	230	AN911-4D	3-24	360
AN816-6	3-23	400	AN911-4D	11-12	120
AN816-6D	3-24	270	AN914-1D	3-23	610
AN816-6D	5-6	110	AN916-516L	8-6A	180
AN818-4D	11-15	–	AN917-10	11-8	455
AN818-4D	11-15	–	AN917-1D	11-7	970
AN818-4D	11-15	–	AN917-1D	11-9	365
AN818-4D	11-15	–	AN917-1D	11-13	–
AN818-4D	11-15	–	AN917-4D	11-12	50
AN818-4D	11-15	–	AN919-1	3-22	500
AN818-4D	11-15	–	AN919-1S	3-23	520
AN818-4D	11-15	–	AN919-1S	11-10	40
AN818-4D	3-24	80	AN924-4	11-15	25
AN822-4D	3-24	350	AN924-4	3-24	190
AN822-4D	11-11	20	AN924-4	11-14	20
AN822-6D	3-26	180	AN924-4D	3-2	140
AN823-4D	3-24	350	AN924-4D	11-10	90
AN823-6-6D	3-6	20	AN924-4D	11-11	130
AN824-4D	11-12	30	AN924-4W	11-11	130
AN824-4D	11-15	55	AN924-6D	3-2	210
AN824-4D	3-24	100	AN931-12-20	3-23	490
AN824-4D	3-24	100	AN931-2-9	3-22	490
AN824-6D	3-4	100	AN931-2-9	3-23	510
AN832-4	3-24	180	AN931-3-10	6-4	290
AN832-4D	3-24	180	AN931-3-9	3-4	60

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FIGURES 7-4C, 7-4D, 8-1 THROUGH 8-11, 12-1A THROUGH 12-2B, 12-5, 12-6A, AND 12-10

Part Number	Figure	Item	Part Number	Figure	Item
AN931-4-16	3-24	510	AN935-8	12-2B	110
AN931-4-7	6-10	70	AN935-8	3-2	240
AN931-4-7	6-11	180	AN935-8	3-20	590
AN931-4-7	6-7	220	AN935-8	3-20A	590
AN931-4-7	6-7	70	AN935-8	3-20B	590
AN931-4-7	11-16	90	AN935-8	3-22	120
AN931-4-7	11-17	80	AN935-8	3-23	100
AN931-5-12	3-2	170	AN935-8	3-24	150
AN931-5-9	3-10	50	AN935-8	3-4	300
AN931-5-9	3-2	170	AN935-8	3-5	70
AN931-6-10	3-15	140	AN935-8	3-6	110
AN931-6-10	6-14	50	AN935-8	3-7	70
AN931-6-10	11-17	60	AN935-8	3-9	110
AN931-8-13	3-22	330	AN935-8	5-1	350
AN931-8-13	6-9	90	AN935-8	6-1	—
AN932-D3	3-26	170	AN935-8	6-1	—
AN935-10	3-1	80	AN935-8	6-1	—
AN935-10	3-20	585	AN935-8	6-1	—
AN935-10	3-20A	585	AN935-8	6-13	—
AN935-10	3-20B	585	AN935-8	11-13	130
AN935-10	6-13	—	AN935-8	11-14	130
AN935-10	8-9	—	AN935-8	11-16	70
AN935-10	8-10	—	AN935-8	11-17	170
AN935-10L	3-25	60	AN935-BBL	11-8	510
AN935-4	8-9	80	AN936A10	3-20	410
AN935-4	8-10	80	AN936A10	3-20A	410
AN935-416	5-6	230	AN936A10	3-20B	410
AN935-6	3-16	100	AN936A1216	3-15	90
AN935-6	3-20	360	AN936A1216	3-24	450
AN935-6	3-20A	360	AN936A516	3-24	70
AN935-6	3-20B	360	AN936A516	3-24	70
AN935-6	11-5	—	AN936A516	3-3	300
AN935-6	11-6	90	AN936A516	6-13	—
AN935-6	11-20	70	AN936-A6	3-17	70
AN935-8	10-2	—	AN936-A6	6-6	270
AN935-8	10-3	—	AN936A716	3-14	100
AN935-8	10-4	190	AN936A716	3-15	110
AN935-8	11-18	55	AN936A8	9-3	300

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FIGURES 7-4C, 7-4D, 8-1 THROUGH 8-11, 12-1A THROUGH 12-2B, 12-5, 12-6A, AND 12-10

Part Number	Figure	Item	Part Number	Figure	Item
AN936A8	9-4	260	AN960-10L	3-20	460
AN960-10	10-3	–	AN960-10L	3-20A	460
AN960-10	11-18	15	AN960-10L	3-20B	460
AN960-10	12-1B	70	AN960-10L	3-21	30
AN960-10	12-2B	270	AN960-10L	3-21	40
AN960-10	3-11	400	AN960-10L	3-22	30
AN960-10	3-11	90	AN960-10L	3-24	540
AN960-10	3-12	30	AN960-10L	3-25	70
AN960-10	3-20	510	AN960-10L	3-28	310
AN960-10	3-20A	510	AN960-10L	3-3	–
AN960-10	3-20B	510	AN960-10L	3-6	260
AN960-10	3-21	30	AN960-10L	3-7	160
AN960-10	3-21	40	AN960-10L	3-7	260
AN960-10	3-23	30	AN960-10L	4-2.1	150
AN960-10	3-23	570	AN960-10L	5-1	130
AN960-10	3-6	160	AN960-10L	5-2	60
AN960-10	3-7	130	AN960-10L	5-3	200
AN960-10	4-2	–	AN960-10L	5-3	440
AN960-10	4-2	430	AN960-10L	5-5	260
AN960-10	4-2.1	140	AN960-10L	6-13	–
AN960-10	5-1	450	AN960-10L	6-13	–
AN960-10	5-3	210	AN960-10L	6-13	187
AN960-10	6-13	–	AN960-10L	6-13	194
AN960-10	6-13	–	AN960-10L	6-13	40
AN960-10	6-13	193	AN960-10L	6-13	60
AN960-10	12-10	240	AN960-10L	6-14	120
AN960-10	8-9	30	AN960-10L	6-2	–
AN960-10	8-10	30	AN960-10L	6-3	30
AN960-10L	12-1A	230	AN960-10L	8-3A	270
AN960-10L	12-6A	200	AN960-10L	8-5	250
AN960-10L	12-6B	270	AN960-10L	8-5A	150
AN960-10L	3-1	70	AN960-10L	12-10	–
AN960-10L	3-10	150	AN960-10L	8-6	50
AN960-10L	3-10	180	AN960-10L	8-6A	140
AN960-10L	3-12	40	AN960-10L	8-7	60
AN960-10L	3-13	50	AN960-1216	3-24	440
AN960-10L	3-14	20	AN960-1216L	3-10	110
AN960-10L	3-15	20	AN960-1216L	3-15	120

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FIGURES 7-4C, 7-4D, 8-1 THROUGH 8-11, 12-1A THROUGH 12-2B, 12-5, 12-6A, AND 12-10

Part Number	Figure	Item	Part Number	Figure	Item
AN960-3	3-20	–	AN960-416L	3-4	50
AN960-3	3-20A	–	AN960-416L	5-1	20
AN960-3	3-20B	–	AN960-416L	5-5	110
AN960-3L	6-7	150	AN960-416L	6-13	–
AN960-416	10-1	–	AN960-416L	8-11	140
AN960-416	12-5	60	AN960-416L	8-2	50
AN960-416	12-5	70	AN960-416L	8-4	240
AN960-416	3-11	350	AN960-416L	12-10	260
AN960-416	3-22	280	AN960-416L	8-8	40
AN960-416	3-23	300	AN960-4L	10-3	–
AN960-416	4-4	160	AN960-4L	10-4	320
AN960-416	5-1	280	AN960-4L	8-9	70
AN960-416	5-3	160	AN960-4L	8-10	70
AN960-416	5-3	390	AN960-516	12-6A	–55
AN960-416	5-4	400	AN960-516	12-6B	–230
AN960-416	5-5	330	AN960-516	3-23	470
AN960-416	5-6	240	AN960-516	3-23	470
AN960-416	8-3	80	AN960-516	3-3	30
AN960-416	8-4	290	AN960-516	4-1	60
AN960-416	8-5	380	AN960-516	4-2	360
AN960-416	8-8	150	AN960-516	5-1	420
AN960-416L	10-2	–	AN960-516	5-2	90
AN960-416L	10-3	6	AN960-516	5-4	220
AN960-416L	10-4	160	AN960-516	8-3	30
AN960-416L	3-1	140	AN960-516	8-4	170
AN960-416L	3-11	360	AN960-516	8-5	440
AN960-416L	3-2	300	AN960-516	8-6A	170
AN960-416L	3-20	390	AN960-516L	12-6A	50
AN960-416L	3-20	540	AN960-516L	12-6B	220
AN960-416L	3-20A	390	AN960-516L	3-29	130
AN960-416L	3-20A	540	AN960-516L	4-2	360
AN960-416L	3-20B	390	AN960-516L	5-1	410
AN960-416L	3-20B	540	AN960-516L	6-13	–
AN960-416L	3-22	170	AN960-516L	8-4	210
AN960-416L	3-22	170	AN960-516L	8-5	450
AN960-416L	3-23	170	AN960-516L	8-5A	100
AN960-416L	3-29	120	AN960-6	3-20	350
AN960-416L	3-3	100	AN960-6	3-20A	350

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FIGURES 7-4C, 7-4D, 8-1 THROUGH 8-11, 12-1A THROUGH 12-2B, 12-5, 12-6A, AND 12-10

Part Number	Figure	Item	Part Number	Figure	Item
AN960-6	3-20B	350	AN960-8	3-1	170
AN960-6	6-6	180	AN960-8	3-7	260
AN960-616	5-6	270	AN960-8	3-7	290
AN960-616L	3-10	110	AN960-8	6-1	—
AN960-616L	5-4	370	AN960-8	6-11	170
AN960-616L	8-1	110	AN960-8	6-11	220
AN960-6L	3-16	90	AN960-8	6-13	—
AN960-6L	3-17	100	AN960-8	6-7	120
AN960-6L	3-17	120	AN960-8	6-7	200
AN960-6L	3-17	40	AN960-8	11-11	190
AN960-6L	6-14	30	AN960-816	4-3	140
AN960-6L	6-4	—	AN960-816	5-4	160
AN960-6L	6-4	—	AN960-816L	3-24	200
AN960-6L	6-4	—	AN960-8L	10-2	—
AN960-6L	6-4	—	AN960-8L	10-2	—
AN960-6L	6-4	—	AN960-8L	10-3	—
AN960-6L	6-4	—	AN960-8L	10-3	—
AN960-6L	6-6	220	AN960-8L	10-3	—
AN960-6L	9-2	40	AN960-8L	10-3	—
AN960-6L	9-3	100	AN960-8L	10-3	—
AN960-6L	9-4	200	AN960-8L	10-4	200
AN960-6L	9-4	90	AN960-8L	10-4	260
AN960-6L	11-5	—	AN960-8L	10-4	400
AN960-6L	11-6	100	AN960-8L	10-4	80
AN960-716	3-2	150	AN960-8L	11-19	227
AN960-716	3-30	70	AN960-8L	3-10	90
AN960-716	11-10	80	AN960-8L	3-17	150
AN960-716	11-11	120	AN960-8L	3-19	150
AN960-716	12-10	340	AN960-8L	3-2	180
AN960-716L	3-10	120	AN960-8L	3-20	440
AN960-716L	3-14	110	AN960-8L	3-20	580
AN960-716L	3-15	130	AN960-8L	3-20A	440
AN960-716L	3-30	80	AN960-8L	3-20A	580
AN960-716L	8-1	100	AN960-8L	3-20B	440
AN960-8	10-1	—	AN960-8L	3-20B	580
AN960-8	11-18	45	AN960-8L	3-22	110
AN960-8	12-2B	100	AN960-8L	3-23	90
AN960-8	12-2B	320	AN960-8L	3-24	160

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FIGURES 7-4C, 7-4D, 8-1 THROUGH 8-11, 12-1A THROUGH 12-2B, 12-5, 12-6A, AND 12-10

Part Number	Figure	Item	Part Number	Figure	Item
AN960-8L	3-4	290	AN960C516	3-29	140
AN960-8L	3-5	60	AN960-C516L	6-13	196
AN960-8L	3-6	100	AN960C616L	3-8	170
AN960-8L	3-7	60	AN960C816	5-3	120
AN960-8L	3-9	100	AN960D10L	3-26	210
AN960-8L	4-1	310	AN960D10L	8-2	20
AN960-8L	5-1	360	AN960D516	4-1	30
AN960-8L	6-1	—	AN960D516	8-4	220
AN960-8L	6-1	—	AN960D616	4-2	310
AN960-8L	6-1	—	AN960D8	4-1	160
AN960-8L	6-4	—	AN960D8	4-2	230
AN960-8L	6-5	—	AN960D8	4-2	40
AN960-8L	6-5	—	AN960PD416	11-20	140
AN960-8L	6-5	31	AN960PD6L	11-20	60
AN960-8L	6-6	330	AN962-C516L	6-13	196
AN960-8L	6-7	100	AN970-3	6-13	95
AN960-8L	9-1	7	AN975-3	12-1B	80
AN960-8L	9-2	13	ANL80	6-13	190
AN960-8L	9-3	280	AP18AU06-02	3-6	10
AN960-8L	9-3	350	AP22-6	4-3	110
AN960-8L	9-3	400	AS3494-01	3-8	120
AN960-8L	9-4	250	AS3578-152	5-4	50
AN960-8L	8-6	110	ASMK8T	5-3	520
AN960-8L	8-6A	50	AWG-22-8503-10	11-8	490
AN960-8L	11-13	120	AWG-22-8503-2	11-8	495
AN960-8L	11-14	120	AX142P	11-20	90
AN960-8L	11-16	130	B-00264-3	6-2	50A
AN960-8L	11-17	160	B-00375-4	6-14	—
AN960-916	3-2	220	B-00378-5	11-8	400
AN960C10	3-29	110	B-00378-5	11-9	310
AN960-C10	5-6	—	B-00378-5	6-14	—
AN960C10L	11-11	80	B-00378-5	11-7	870
AN960-C10L	12-2A	80	B-1210	12-10	50
AN960C1216	4-2	260	B44-28-2	11-18	130
AN960C1216	5-3	470	B-44-28-2	12-2B	150
AN960C1216	8-11	270	B46-2 1/2	8-9	230
AN960C416L	12-1B	110	B46-2 1/2	8-10	230
AN960C416L	12-1B	110A	B-4855B-330	11-3	340

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FIGURES 7-4C, 7-4D, 8-1 THROUGH 8-11, 12-1A THROUGH 12-2B, 12-5, 12-6A, AND 12-10

Part Number	Figure	Item	Part Number	Figure	Item
B-4855B-330	11-4	330	CCR274SS-3-02	10-4	310
B-4855B-330	11-5	–	CCR274SS-3-02	11-21	180
B-4855B-330	11-6	40	CD7	12-1A	–110
B-710	11-18	125	CD7L	5-6	138
B-710	12-2B	160	CF600391-00	3-3	–
BA-15	3-1	–	CGP-2	3-23	640
BA-15	3-2	–	CL30914-2	5-4	–
C-2400L4VT-AB	11-1	–	CM1816	6-5	20
C2400L4VWAB-RG	11-5	260A	CP25WB+	11-19	215
C-2400L4VW-AB-RG	11-2	–	CR 17240	4-2.1	20
C-2400L4VW-AB-RG	11-3	–	CR163-4-4	10-3	13
C-2400L4VW-AB-RG	11-4	270	CR163-4-4	10-4	310
C352TS	9-2	33A	CR3213-4-2	6-13	110
C352TS	9-3	380	CR3213-5-04	6-11	–
C6052-8Z-1	3-27	–	CS-N-346	6-12	110
C6191-8Z-1	6-12	40	D6-167	6-6	300
C-6352-10Z	3-28	–	D6-167	11-20	30
C-836-06	6-12	120	D6810A-12	6-4	110
CA151PL	3-1	30	D6SE-167GY	11-20	30
CAV-110H-U	3-23	620	D-7080A-12	6-4	140
CAV-110R	3-23	310	DG-167	11-16	50
CAV-110R	3-23	620	ECD001-11	12-10	140
CAV-110RV	3-23	620	ECD002-11	12-10	160
CB35M	6-10	10	ECD002-13	12-10	160
CB6009CR08-1P	7-4C	250	ECD009-11	8-1	30
CBLS18C	6-11	300	ECD013-11	8-3A	100
CBR1.5I-M	11-17	200	ECD013-13	8-3A	–
CBR1M-M	11-17	190	ECD014-11	5-4	260
CBR2M-M	11-17	190	ECD014-13	5-4	260
CBR3I-M	11-17	200	ECD015-11	12-2A	20
CBR3S-M	11-16	150	ECD016-11	12-6A	90
CBR3S-M	11-17	210	ECD016-11	12-6B	70
CCA-1600	3-6	130	ECD018-11	5-3	40
CCH25-S10	11-16	40	ECD020-11	5-4	90
CCH25-S10	11-17	70	ECD020-13	5-4	90
CCR264SS-3-03	5-3	–	ECD030-11	8-3A	390
CCR264-SS3-3	6-8	–	ECD034-11	8-9	280
CCR264-SS3-3	6-8	–	ECD034-11	8-10	280

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FIGURES 7-4C, 7-4D, 8-1 THROUGH 8-11, 12-1A THROUGH 12-2B, 12-5, 12-6A, AND 12-10

Part Number	Figure	Item	Part Number	Figure	Item
ECD036-11	5-3	300	ECD071-104	11-7	260
ECD037-11	811	250	ECD071-105	11-8	125
ECD050-11	12-5	20	ECD071-105	11-9	49
ECD050-11	12-5	90	ECD071-105	11-6	260
ECD050-11	12-6A	140	ECD071-105	11-7	270
ECD050-11	3-3	60	ECD071-106	11-8	126
ECD050-11	5-1	480	ECD071-106	11-9	50
ECD050-11	7-4C	40	ECD071-106	11-6	270
ECD050-11	8-11	160	ECD071-106	11-7	280
ECD050-11	8-3	110	ECD071-107	11-8	127
ECD050-11	8-3A	320	ECD071-107	11-9	51
ECD050-11	8-5	350	ECD071-107	11-6	280
ECD050-11	9-5	25	ECD071-107	11-7	290
ECD050-11	12-10	290	ECD071-108	11-8	128
ECD050-11	8-8	120	ECD071-108	11-9	52
ECD050-15	8-11	270	ECD071-108	11-6	290
ECD050-17	12-10	290	ECD071-108	11-7	300
ECD050-19	8-4	150	ECD071-11	11-1	190
ECD050-23	11-19	125	ECD071-11	11-2	80
ECD050-25	8-11	20	ECD071-11	11-3	—
ECD060-11	7-4C	-175	ECD071-11	11-3	80
ECD060-12	7-4C	-185	ECD071-11	11-4	80
ECD066-1	11-18	115	ECD071-11	11-5	90
ECD066-1	12-2B	180	ECD071-11	11-6	230
ECD066-1	8-9	170	ECD071-15	11-8	122
ECD066-1	8-10	170	ECD071-15	11-9	46
ECD069-11	6-1	90	ECD071-15	11-6	230
ECD069-11	6-2	10	ECD071-15	11-7	240
ECD069-11	6-2	10A	ECD071-3	11-1	200
ECD069-11	6-2	50A	ECD071-3	11-2	90
ECD069-13	6-2	10B	ECD071-3	11-3	—
ECD071-103	11-8	123	ECD071-3	11-3	90
ECD071-103	11-9	47	ECD071-3	11-4	90
ECD071-103	11-6	240	ECD071-3	11-5	100
ECD071-103	11-7	250	ECD071-4	11-1	220
ECD071-104	11-8	124	ECD071-4	11-2	110
ECD071-104	11-9	48	ECD071-4	11-3	—
ECD071-104	11-6	250	ECD071-4	11-3	110

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FIGURES 7-4C, 7-4D, 8-1 THROUGH 8-11, 12-1A THROUGH 12-2B, 12-5, 12-6A, AND 12-10

Part Number	Figure	Item	Part Number	Figure	Item
ECD071-4	11-4	110	ECD075-13	6-2	20A
ECD071-4	11-5	110	ECD075-13	6-2	20A
ECD071-5	11-1	240	ECD077-11	11-8	165
ECD071-5	11-2	130	ECD077-11	11-9	70
ECD071-5	11-3	–	ECD077-11	11-3	–
ECD071-5	11-3	130	ECD077-11	11-5	80
ECD071-5	11-4	130	ECD077-11	11-6	310
ECD071-5	11-5	120	ECD077-11	11-7	380
ECD071-6	11-1	210	ECD078-11	11-8	465
ECD071-6	11-2	100	ECD078-11	11-9	375
ECD071-6	11-3	–	ECD078-11	11-3	–
ECD071-6	11-3	100	ECD078-11	11-5	–
ECD071-6	11-4	100	ECD078-11	11-7	990
ECD071-6	11-5	130	ECD078-11	11-12	–140A
ECD071-7	11-1	230	ECD079-11	11-3	–
ECD071-7	11-2	120	ECD079-11	11-12	140
ECD071-7	11-3	–	ECD088-11	3-25	10
ECD071-7	11-3	120	ECD088-13	3-25	10
ECD071-7	11-4	120	ECD088-15	3-25	10
ECD071-7	11-5	140	ECD089-3	11-8	45
ECD071-8	11-1	250	ECD089-3	11-9	25
ECD071-8	11-2	140	ECD089-3	11-7	70
ECD071-8	11-3	–	ECD091-1	4-4	200
ECD071-8	11-3	140	ECD091-1	5-3	520
ECD071-8	11-4	140	ECD093-11	3-24	440
ECD071-8	11-5	150	ECD108-1	11-18	60
ECD072-11	11-8	170	ECD108-3	11-18	65
ECD072-11	11-9	80	ECD108-3	12-2B	20
ECD072-11	11-3	–	ECD110-11	3-8	190
ECD072-11	11-5	70	ECD111-11	3-3	260
ECD072-11	11-6	350	ECD112-1	11-9	100
ECD072-11	11-7	390	ECD112-3	11-9	170
ECD073-1	6-11	90	ECD4079-1	6-11	41
ECD073-3	6-11	90A	ECD4089-11	9-4	140
ECD075-11	6-1	30	ECD4089-15	9-4	150
ECD075-11	6-2	20	EGT-701-4C-A-T	11-8	–
ECD075-11	6-2	20A	EGT-701-4C-A-T	11-19	5
ECD075-11	6-2	20A	EL-037360-107	3-28	10

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FIGURES 7-4C, 7-4D, 8-1 THROUGH 8-11, 12-1A THROUGH 12-2B, 12-5, 12-6A, AND 12-10

Part Number	Figure	Item	Part Number	Figure	Item
EL-037360-110	3-28	70	F12NE-4753-054	12-6B	240
EL-037360-111	3-28	70	F12NE-4753-054	5-1	440
EL-037360-112	3-28	120	F12NE-4753-054	5-2	100
EL-037360-112	3-28	120	F12NE-4753-054	8-3	40
EL-037360-113	3-28	60	F12NE-4753-054	8-4	180
EL-037360-116	3-28	130	F12NE-4753-054	8-5	460
EL-037360-123	3-28	130	F12NE-4753-054	8-5A	120
EL-037360-202	3-28	20	F12NE-4753-064	8-5A	70
EL-037360-206	3-28	80	F12NE-4753-080	4-3	160
EL-037360-401	3-28	30	F6YN-625BK	11-20	20
EL-037360-401	3-28	90	F965	5-6	190
EL-099005-401	3-27	50	FB68-4	5-1	390
EL-099005-401	3-28	30	FIT-221V-3/32	11-8	—
EL-099005-401	3-28	90	FIT-221V-3/32	11-19	170
ENS1001	3-3	270	FN22M-624	4-3	120
ENX-0001	3-28	130	FN22M-624	5-6	280
ENX-0001	3-3	—	G08DU	3-10	310
F12-NE-4527-02	3-14	50	G08DU	3-10	310
F12NE4717-048	8-2	60	G08DU	3-13	30
F12NE4717-070	8-1	120	G199-105-4	3-22	240
F12NE4753-02	3-28	350	G199-105-4	3-23	250
F12NE-4753-02	12-6A	220	G2-0032	8-5	—180I
F12-NE-4753-02	3-10	240	G-243	6-13	80
F12-NE-4753-02	3-11	410	G-38517-B-7-A	8-5	180
F12-NE-4753-02	3-13	100	G-89	3-16	—
F12-NE-4753-02	3-14	50	G-89	3-16	—
F12-NE-4753-02	3-15	50	G-89	3-16	—
F12NE4753-048	12-5	110	G-89	3-20	—
F12NE-4753-048	12-6A	150	G-89	3-20	—
F12NE-4753-048	5-1	290	G-89	3-20	—
F12NE-4753-048	5-3	400	G-89	3-20	—
F12NE-4753-048	8-3	90	G-89	3-20A	—
F12NE-4753-048	8-3A	360	G-89	3-20A	—
F12NE-4753-048	8-4	270	G-89	3-20B	—
F12NE-4753-048	8-5	410	G-89	3-20B	—
F12-NE-4753-048	3-11	310	G-89	3-20B	—
F12NE-4753-054	8-6A	190	G-89	3-20B	—
F12NE-4753-054	12-6A	60	GA4-250	3-2	112

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Part Number	Figure	Item	Part Number	Figure	Item
GA4-250	3-20	–	J-2309-7	3-30	50
GA4-250	3-20A	–	J3459-8	8-9	140
GA4-250	3-20A	–	J3459-8	8-10	140
GA4-250	3-20B	–	J-7763-26	3-30	30
GA4-250	3-20B	–	J-7766-2	3-30	40
GA4-250	3-20B	–	J-D4N-300M	6-14	90
GA4-250	3-20B	–	JE-1	5-1	320
GB-910	8-4	70	K3N	3-28	250
GE4313 (250W)	6-4	210	K3N	3-28	250
GEE62FR-C	11-19	–	K3N	3-28	250
GEM 610	11-17	10	K3N	3-28	250
GH2 1/2	9-2	33A	K9000S-1A	3-22	300
GS-3	3-23	640	K-9000S-1A	3-24	340
GX-5	8-9	210	K94RA	12-1A	110A
GX-5	8-10	210	KN500B1/8	11-8	160
H-103	6-6	70	KN500B1/8	11-9	125
H1-400-14	11-5	260	KN500B1/8	11-5	30
HDUH	8-10	190	KN500B1/8	11-7	360
HFVV3M	3-14	30	KN500B1/8	11-1	420
HFVV3M	3-15	30	KN500B1/8	11-2	320
HFVV3M	3-28	290	KN500B1/8	11-3	320
HFVV3M	3-28	290	KN500B1/8	11-4	–
HFVV3M	3-28	290	KN500B1/8	11-6	340
HFVV3M	3-28	290	KP4A	3-11	230
HFVV-3M	3-10	260	KP4A	3-11	340
HHJ-A	11-17	40	KUP-14D55-24	6-14	10
HLUH	8-9	190	KUP-14D55-472	6-14	10
HMLVV-5M	8-5	270	L-141C	11-5	330
HMVV-5	8-3	60	L-18X	4-2	60
HMVV-5M	8-3	60	LDF-6-228	8-5	570
HMVV-5M	8-5	280	LED-40-1J-HG2-SBMMD	11-9	10
HMVV-5M	8-6A	110	LED-40-1J-HG2-SBMMF	11-9	5
HPF1260-6-58	4-3	90	LHSSE-5	8-3A	250
HR, DF-14R	6-6	90	LW-12878-4S260	3-23	480
J-10386-2	3-30	–	LW-13464	3-3	240
J-2214-4	3-30	60	LW-13476	3-3	190
J-2216-18	3-30	10	LW-13646	3-3	–
J-2218-61	3-30	20	LW-13807	3-3	310

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FIGURES 7-4C, 7-4D, 8-1 THROUGH 8-11, 12-1A THROUGH 12-2B, 12-5, 12-6A, AND 12-10

Part Number	Figure	Item	Part Number	Figure	Item
LW-13807	3-5	90	MS16633-4012	7-4C	300
LW-14485	3-3	230	MS16998-10L	6-11	–
LW-16567	3-28	141	MS17825-3	12-6A	220
LW-18959-175-34	11-19	65	MS17825-3	3-10	240
LW-18959-175-34	11-17	–	MS17825-3	3-11	410
LWB-22-6-58	4-3	90	MS17825-3	3-13	100
M-111	11-19	105	MS17825-3	3-15	50
M-111T	11-19	150	MS17825-4	12-5	110
M12883/41-14	6-14	100	MS17825-4	12-6A	150
M144E	5-6	50	MS17825-4	3-11	310
M-5050T	11-19	40	MS17825-4	5-1	290
M81934/1-08C012	8-3A	430	MS17825-4	5-3	400
M81935/1-08K	5-3	520	MS17825-4	8-3	90
M83248/1-008	12-1A	120	MS17825-4	8-3A	360
M83248-2-010	3-26	30	MS17825-4	8-4	270
M83536/10-015M	6-14	90	MS17825-4	8-5	410
M83536/10-024M	6-14	90	MS17825-5	12-6A	60
MC1-106-140	11-16	20	MS17825-5	12-6B	240
MC1-A106B	11-16	30	MS17825-5	5-1	440
MIL-DTL-5593	11-8	–	MS17825-5	5-2	100
MM-113-3/8	11-19	140	MS17825-5	8-3	40
MP-100-012-70	11-1	310	MS17825-5	8-4	180
MP-160-012-100	11-6	–390A	MS17825-5	8-5	460
MP-160-012-70	11-1	40	MS17825-5	8-5A	120
MP-160-012-70	11-2	200	MS17825-5	8-6A	190
MP-160-012-70	11-3	200	MS17825-6	8-5A	70
MP-160-012-70	11-4	200	MS17826-4	8-2	60
MP-160-012-70	11-5	210	MS17984C305	7-4C	-75
MP-160-012-70	11-6	390	MS18066-14	8-1	90
MRB-2400	9-2	42	MS18066-8	7-4C	270
MS15001-1	4-1	260	MS20073-05-A12	8-4	260
MS16555-27	4-2.1	30	MS20073-05-A6	8-4	250
MS16562-211	8-9	210	MS20074-03-04	5-3	430
MS16562-211	8-10	210	MS20074-05-05	3-29	70
MS16562-213	5-5	70	MS20074-05-06	4-2	340
MS16562-213	8-9	240	MS20074-05-12	4-2	350
MS16562-213	8-10	240	MS20074-304	8-2	10
MS16562-215	4-3	70	MS201044N3	3-6	170

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FIGURES 7-4C, 7-4D, 8-1 THROUGH 8-11, 12-1A THROUGH 12-2B, 12-5, 12-6A, AND 12-10

Part Number	Figure	Item	Part Number	Figure	Item
MS20364-1032	8-5	260	MS20426AD3-3	3-20A	—
MS20364-1032	8-5A	160	MS20426AD3-3	3-20A	—
MS20364-1032	8-6	60	MS20426AD3-3	3-20B	—
MS20364-1032	8-7	70	MS20426AD3-3	3-20B	—
MS20364-428	8-8	60	MS20426AD3-3	3-20B	—
MS20392-2C11	3-28	300	MS20426AD3-3	3-26	—
MS20392-2C17	7-4C	60	MS20426AD3-3	6-12	50
MS20426A3-3.5	3-20	—	MS20426AD3-3.5	3-20	—
MS20426A3-3.5	3-20A	—	MS20426AD3-3.5	3-20A	—
MS20426A3-3.5	3-20B	—	MS20426AD3-3.5	3-20B	—
MS20426A3-4	3-19	—	MS20426AD3-4	3-16	70
MS20426A3-4	3-20	—	MS20426AD3-4	3-18	—
MS20426A3-4	3-20	—	MS20426AD3-4	3-18	—
MS20426A3-4	3-20	—	MS20426AD3-4	3-18	—
MS20426a3-4	3-20	—	MS20426AD3-4	3-18	—
MS20426A3-4	3-20	—	MS20426AD3-4	3-19	—
MS20426A3-4	3-20A	—	MS20426AD3-4	3-19	40
MS20426A3-4	3-20A	—	MS20426AD3-4	3-20	—
MS20426a3-4	3-20A	—	MS20426AD3-4	3-20	—
MS20426A3-4	3-20A	—	MS20426AD3-4	3-20	—
MS20426A3-4	3-20B	—	MS20426AD3-4	3-20	—
MS20426A3-4	3-20B	—	MS20426AD3-4	3-20	—
MS20426A3-4	3-20B	—	MS20426AD3-4	3-20	—
MS20426A3-4	3-20B	—	MS20426AD3-4	3-20	—
MS20426A3-4	3-20B	—	MS20426AD3-4	3-20	—
MS20426A3-4	3-20B	—	MS20426AD3-4	3-20	—
MS20426a3-4	3-20B	—	MS20426AD3-4	3-20A	—
MS20426A3-4	3-20B	—	MS20426AD3-4	3-20A	—
MS20426A3-4	9-3	—	MS20426AD3-4	3-20A	—
MS20426A3-4	9-3	—	MS20426AD3-4	3-20A	—
MS20426A3-4	9-4	—	MS20426AD3-4	3-20A	—
MS20426A3-4	9-4	—	MS20426AD3-4	3-20A	—
MS20426AD3-3	3-17	80	MS20426AD3-4	3-20A	—
MS20426AD3-3	3-20	—	MS20426AD3-4	3-20A	—
MS20426AD3-3	3-20	—	MS20426AD3-4	3-20B	—
MS20426AD3-3	3-20	—	MS20426AD3-4	3-20B	—
MS20426AD3-3	3-20	—	MS20426AD3-4	3-20B	—
MS20426AD3-3	3-20A	—	MS20426AD3-4	3-20B	—

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FIGURES 7-4C, 7-4D, 8-1 THROUGH 8-11, 12-1A THROUGH 12-2B, 12-5, 12-6A, AND 12-10

Part Number	Figure	Item	Part Number	Figure	Item
MS20426AD3-4	3-20B	—	MS20470AD4-5	3-20B	—
MS20426AD3-4	3-20B	—	MS20470AD5-7	3-21	—
MS20426AD3-4	3-20B	—	MS20500-1032	3-29	150
MS20426AD3-4	3-20B	—	MS20500-428	3-29	160
MS20426AD3-4	3-20B	—	MS20500-524	3-29	170
MS20426AD3-4	3-20B	—	MS20500-524	3-3	180
MS20427M4-7	3-21	—	MS20615-3M10	3-26	130
MS20470A3-3	3-20	—	MS20812-4D	3-24	350
MS20470A3-3	3-20A	—	MS20819-4D	11-15	—
MS20470A3-3	3-20B	—	MS20819-4D	11-15	—
MS20470A3-4	3-19	—	MS20819-4D	11-15	—
MS20470A3-4	3-20	—	MS20819-4D	11-15	—
MS20470A3-4	3-20	—	MS20819-4D	11-15	—
MS20470A3-4	3-20A	—	MS20819-4D	11-15	—
MS20470AD3-3	3-20	—	MS20819-4D	11-15	—
MS20470AD3-3	3-20A	—	MS20819-4D	11-15	—
MS20470AD3-3	3-5.1	20	MS20819-4D	3-24	—
MS20470AD3-4	3-18	—	MS20822-2	11-10	30
MS20470AD3-4	3-20	—	MS20822-4	3-23	200
MS20470AD3-4	3-20	—	MS20822-4D	3-4	220
MS20470AD3-4	3-20A	—	MS20822-6-6	3-23	240
MS20470AD3-4	3-20A	—	MS20822-6-6	3-8	100
MS20470AD3-4	3-20B	—	MS20822-6D	3-26	180
MS20470AD3-4	3-20B	—	MS20822-6D	5-6	90
MS20470AD3-4	3-20B	—	MS20823	3-22	420
MS20470AD3-4	3-20B	—	MS20823-4	3-23	420
MS20470AD3-4	3-20B	—	MS20823-4	3-4	190
MS20470AD3-4	4-2	—	MS20823-4D	11-10	120
MS20470AD3-4	6-7	140	MS20823-6	3-23	410
MS20470AD4-4	3-20	—	MS-20823-6D	3-6	20
MS20470AD4-4	3-20	—	MS20913-1	3-23	280
MS20470AD4-4	3-20A	—	MS20913-1D	3-22	340
MS20470AD4-4	3-20A	—	MS20995C20	12-6B	—280
MS20470AD4-4	3-20B	—	MS20995C25	11-19	165
MS20470AD4-4	3-20B	—	MS20995C32	12-1A	—250
MS20470AD4-4	3-20B	—	MS20995C32	3-23	—
MS20470AD4-5	3-20	—	MS20995C32	3-28	—
MS20470AD4-5	3-20A	—	MS20995C32	3-3	—

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FIGURES 7-4C, 7-4D, 8-1 THROUGH 8-11, 12-1A THROUGH 12-2B, 12-5, 12-6A, AND 12-10

Part Number	Figure	Item	Part Number	Figure	Item
MS20995C32	3-3	–	MS21044N3	6-2	–
MS20995C32	3-3	–	MS21044N3	6-2	–
MS20995C32	4-4	–	MS21044N3	9-5	80
MS20995C32	5-2	–	MS21044N3	9-5	125
MS20995C32	5-6	–	MS21044N3	11-7	630
MS20995-C32	3-26	–	MS21044N3	11-11	90
MS20995C41	3-3	–	MS21044N4	12-1B	120
MS21042-3	3-27	70	MS21044N4	5-4	410
MS21042-3	3-28	110	MS21044N4	6-2	–
MS21042-3	3-28	110	MS21044N4	7-4C	90
MS21042-3	3-28	50	MS21044N4	9-5	30
MS21042-3	7-4C	130	MS21044N5	4-1	140
MS21042-3	7-4C	470	MS21044N6	5-4	380
MS21044N04	11-8	120	MS21045L3	3-3	–
MS21044N04	11-9	–	MS21045L5	3-3	180
MS21044N04	11-7	230	MS21061L08K	3-20	–
MS21044N06	3-17	130	MS21069-06	3-18	–
MS21044N06	6-11	120	MS21069-06	3-20	–
MS21044N08	3-10	100	MS21069-06	3-20	–
MS21044N08	6-11	221	MS21069-06	3-20	–
MS21044N08	6-2	–	MS21069-06	3-20A	–
MS21044N08	8-6	120	MS21069-06	3-20A	–
MS21044N08	8-6A	60	MS21069-06	3-20A	–
MS21044N3	11-8	300	MS21069-06	3-20B	–
MS21044N3	11-9	225	MS21069-06	3-20B	–
MS21044N3	12-1B	90	MS21069-06	3-20B	–
MS21044N3	12-2B	–300	MS21069-06K	3-20	–
MS21044N3	3-10	190	MS21069-06K	3-20	–
MS21044N3	3-10	40	MS21069-06K	3-20A	–
MS21044N3	3-11	100	MS21069-06K	3-20A	–
MS21044N3	3-12	50	MS21069-06K	3-20B	–
MS21044N3	3-20	520	MS21069-06K	3-20B	–
MS21044N3	3-20A	520	MS21069-08	3-20	–
MS21044N3	3-20B	520	MS21069-08	3-20A	–
MS21044N3	3-23	580	MS21069-08	3-20B	–
MS21044N3	3-6	270	MS21071-06	3-18	–
MS21044N3	3-7	140	MS21071-06	3-18	–
MS21044N3	5-3	220	MS21071-06	3-20	–

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FIGURES 7-4C, 7-4D, 8-1 THROUGH 8-11, 12-1A THROUGH 12-2B, 12-5, 12-6A, AND 12-10

Part Number	Figure	Item	Part Number	Figure	Item
MS21071-06	3-20A	—	MS21083N06	11-9	—
MS21071-06	3-20B	—	MS21083N06	11-9	—
MS21078-06	3-20	—	MS21083N06	11-9	—
MS21078-06	3-20A	—	MS21083N06	6-11	—
MS21078-06	3-20B	—	MS21083N06	6-14	40
MS21078-08	3-19	—	MS21083N06	6-4	—
MS21078-08	3-19	—	MS21083N06	6-4	—
MS21078-08	3-20B	—	MS21083N06	6-4	—
MS21078-08	3-20B	—	MS21083N06	6-4	—
MS21078-08K	3-19	—	MS21083N06	6-4	—
MS21078-08K	3-19	30	MS21083N06	6-4	—
MS21078-08K	3-20	—	MS21083N06	6-6	190
MS21078-08K	3-20A	—	MS21083N06	12-10	330
MS21078-3	3-20	—	MS21083N06	11-7	160
MS21078-3	3-20	—	MS21083N08	11-8	315
MS21078-3	3-20	—	MS21083N08	11-9	240
MS21078-3	3-20A	—	MS21083N08	11-19	245
MS21078-3	3-20A	—	MS21083N08	6-11	160
MS21078-3	3-20B	—	MS21083N08	6-11	80
MS21078-3	3-20B	—	MS21083N08	6-5	230
MS21078-3	3-20B	—	MS21083N08	6-5	32
MS21078-3	3-20B	—	MS21083N08	6-6	340
MS21078-3	3-20B	—	MS21083N08	6-7	110
MS21080-06	3-20	—	MS21083N08	6-7	210
MS21080-06	3-20	—	MS21083N08	11-7	670
MS21080-06	3-20A	—	MS21083N08	11-11	200
MS21080-06	3-20A	—	MS21083N3	3-11	160
MS21080-06	3-20B	—	MS21083N3	3-13	60
MS21080-06	3-20B	—	MS21083N3	3-21	50
MS21080-08	3-19	—	MS21083N3	3-26	220
MS21080-08K	3-19	—	MS21083N3	3-5.1	130
MS21080-3	3-20	—	MS21083N3	3-5.1	210
MS21080-3	3-20	—	MS21083N3	4-2	—
MS21080-3	3-20A	—	MS21083N3	5-1	150
MS21080-3	3-20B	—	MS21083N3	5-3	460
MS21080-3	3-20B	—	MS21083N3	5-5	300
MS21080-3	3-20B	—	MS21083N3	6-13	—
MS21083N06	11-8	40	MS21083N3	6-13	—

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FIGURES 7-4C, 7-4D, 8-1 THROUGH 8-11, 12-1A THROUGH 12-2B, 12-5, 12-6A, AND 12-10

Part Number	Figure	Item	Part Number	Figure	Item
MS21083N3	6-13	–	MS21919-DF6	3-6	80
MS21083N3	6-13	188	MS21919-DG12	6-13	20
MS21083N3	6-13	195	MS21919-DG-15	11-14	–
MS21083N3	6-2	–	MS21919DG3	11-17	90
MS21083N3	6-2	–	MS21919DG4	3-24	170
MS21083N3	6-3	40	MS21919F10	11-17	120
MS21083N3	7-4C	460	MS21919-F10	3-4	30
MS21083N3	8-11	70	MS21919-F12	3-4	270
MS21083N3	8-6A	150	MS21919F4	11-11	60
MS21083N3	8-7	–	MS21919F4	11-17	100
MS21083N4	3-22	180	MS21919-F4	3-4	240
MS21083N4	3-22	290	MS21919F6	11-17	110
MS21083N4	3-23	190	MS21919-F6	3-4	250
MS21083N4	5-1	490	MS21919F8	10-4	60
MS21083N4	5-1	70	MS21919-F8	10-3	–
MS21083N4	5-5	140	MS21919-F8	3-4	260
MS21083N4	8-11	10	MS21919-G38	10-2	–
MS21083N4	8-11	150	MS21919WCJ10	3-23	390
MS21083N4	12-10	300	MS21919WCJ10	3-23	481
MS21083N5	5-4	230	MS21919WCJ10	3-4	30
MS21083N6	4-2	320	MS21919WCJ10	11-17	120
MS21083N6	5-3	330	MS21919WCJ12	3-20	560
MS21240-08C12	8-3A	430	MS21919WCJ12	3-20A	560
MS21242S8	5-3	520	MS21919WCJ12	3-20B	560
MS21242S8K	4-4	200	MS21919WCJ12	3-20B	560
MS21242S8K	5-3	520	MS21919WCJ12	3-23	70
MS21250-06042	5-6	250	MS21919WCJ12	3-24	220
MS21250-06044	5-6	250	MS21919WCJ12	3-4	270
MS21299C6	4-3	100	MS21919WCJ12	6-2	60
MS21913J4	11-19	145	MS21919WCJ12	11-17	130
MS21919CJ15	11-14	–	MS21919WCJ14	3-24	310
MS21919DF12	11-17	130	MS21919WCJ16	3-23	380
MS21919DF-12	11-16	100	MS21919WCJ16	11-17	140
MS21919-DF12	3-1	50	MS21919WCJ3	3-24	115
MS21919-DF12	3-2	80	MS21919WCJ3	11-17	90
MS21919-DF12	3-6	80	MS21919WCJ4	3-24	170
MS21919DF16	11-17	140	MS21919WCJ4	3-4	240
MS21919DF-3	11-16	110	MS21919WCJ4	11-17	100

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FIGURES 7-4C, 7-4D, 8-1 THROUGH 8-11, 12-1A THROUGH 12-2B, 12-5, 12-6A, AND 12-10

Part Number	Figure	Item	Part Number	Figure	Item
MS21919WCJ6	3-24	300	MS21919WF18	3-7	40
MS21919WCJ6	3-4	250	MS21919WF4	11-15	130
MS21919WCJ6	11-17	110	MS21919WF4	3-20	620
MS21919WCJ8	3-4	260	MS21919WF4	3-20A	620
MS21919WDF12	3-5	40	MS21919WF4	3-20B	620
MS21919WDF3	3-22	460	MS21919WF-4	3-24	170
MS21919WDG12	3-24	-	MS21919WF6	3-22	70
MS21919WDG12	3-24	220	MS21919WG38	10-4	250
MS21919WDG12	3-5.1	180	MS21919WG38	10-4	420
MS21919WDG12	6-13	20	MS21919WG38	10-4	70
MS21919WDG-12	11-18	35	MS24586C234	3-11	480
MS21919WDG-12	12-2B	80	MS24586C311	3-11	470
MS21919WDG14	3-24	310	MS24586-C346	3-11	200
MS21919WDG14	3-5.1	100	MS24665-1013	12-5	100
MS21919WDG-14	11-18	30	MS24665-1013	8-2	70
MS21919WDG-14	12-2B	70	MS24665-1013	8-3A	370
MS21919WDG15	11-15	125	MS24665-1013	8-4	300
MS21919WDG2	6-5	215	MS24665-151	12-5	210
MS21919WDG3	10-4	140	MS24665-151	12-6A	250
MS21919WDG3	10-4	240	MS24665-151	12-6B	250
MS21919WDG3	3-24	-	MS24665-151	3-10	250
MS21919WDG3	6-7	80	MS24665-151	3-11	320
MS21919WDG-5	11-18	25	MS24665-151	3-13	110
MS21919WDG-5	12-2B	60	MS24665-151	3-14	60
MS21919WDG6	11-19	250	MS24665-151	3-15	60
MS21919WDG6	3-24	300	MS24665-151	5-1	300
MS21919WF10	3-22	390	MS24665-151	5-2	110
MS21919WF12	3-20	560	MS24665-151	5-3	410
MS21919WF12	3-20A	560	MS24665-151	5-5	170
MS21919WF12	3-20B	560	MS24665-151	8-3	100
MS21919WF12	3-22	80	MS24665-151	8-4	190
MS21919WF12	3-7	90	MS24665-151	8-5	420
MS21919WF12	6-1	120	MS24665-151	8-5A	130
MS21919WF12	6-1	60	MS24665-151	8-6A	200
MS21919WF14	3-22	90	MS24665-152	8-3	50
MS21919WF14	3-7	90	MS24665-152	8-5	470
MS21919WF16	3-22	380	MS24665-153	3-24	530
MS21919WF16	5-5	280	MS24665-153	3-28	305

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FIGURES 7-4C, 7-4D, 8-1 THROUGH 8-11, 12-1A THROUGH 12-2B, 12-5, 12-6A, AND 12-10

Part Number	Figure	Item	Part Number	Figure	Item
MS24665-155	12-6B	90	MS27039-0806	8-6	100
MS24665-300	3-28	320	MS27039-0806	8-6A	40
MS24665-300	3-30	60	MS27039-0807	6-5	100
MS24665-300	3-30	60A	MS27039-0808	6-5	110
MS24665-300	8-1	130	MS27039-0808	11-11	180
MS24665-300	8-5A	80	MS27039-1-09	7-4C	110
MS24665-302	4-3	170	MS27039-808	11-16	60
MS24665-302	8-1	140	MS27404-4D	11-8	–
MS24665-302	8-3A	410	MS28775-015	3-5	–
MS24665-304	5-3	100	MS28775-018	12-1A	40
MS24665-360	4-2	200	MS28775-026	3-9	60
MS24665-90	3-28	375	MS28775-029	4-2	140
MS24674-45	3-8	180	MS28775-111	12-5	40
MS24677-52	4-2	350	MS28775-113	12-1A	80
MS24693-BB26	11-9	105	MS28775-116	6-11	290
MS24693-BB26	11-9	175	MS28775-214	3-9	70
MS24693-BB26	11-6	430	MS28775-218	3-9	40
MS24693-BB50	11-8	370	MS28778-12	3-23	130
MS24693-BB50	11-7	810	MS28778-2	12-1A	60
MS24693S26	9-3	80	MS28778-2	3-26	80
MS24693S26	9-4	190	MS28778-3	12-1A	20
MS24693-S287	4-2	–	MS28778-3	5-6	–
MS24693-S48	7-4C	240	MS28778-4	5-6	–
MS24693-S51	11-20	120	MS28778-6	3-22	–
MS24694-50	11-8	–	MS28778-6	3-22	–
MS24694-52	3-12	60	MS28778-6	3-23	360
MS24694-80	3-12	80	MS28778-8	3-7	101
MS24694-S52	7-4C	140	MS28778-8	3-7	11
MS24694-S52	9-5	115	MS28778-8	3-7	321
MS24694-S58	6-13	192	MS28884A-6	3-4	140
MS25171-1S	6-13	240	MS29512-06	3-22	–
MS25171-3S	6-13	230	MS29512-06	3-22	–
MS25244-5	11-6	410	MS29512-06	3-22	–
MS25331-8	11-5	310	MS29513-010	3-26	60
MS26574-2 1/2	11-5	230	MS29513-113	3-26	40
MS26574-20	11-5	240	MS30526-230	3-24	130
MS26574-5	6-3	–	MS33737-16C	11-8	70
MS26574-7 1/2	11-5	220	MS33737-16C	11-7	110

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FIGURES 7-4C, 7-4D, 8-1 THROUGH 8-11, 12-1A THROUGH 12-2B, 12-5, 12-6A, AND 12-10

Part Number	Figure	Item	Part Number	Figure	Item
MS35190-253	11-8	305	MS35206-245	3-24	–
MS35190-253	11-9	230	MS35206-245	3-24	130
MS35190-253	11-7	650	MS35206-245	11-17	150
MS35206-219	8-9	60	MS35206-246	11-15	115
MS35206-219	8-10	60	MS35206-246	3-22	400
MS35206-228	6-11	100	MS35206-246	3-23	80
MS35206-228	6-4	300	MS35206-246	3-24	240
MS35206-228	11-20	40	MS35206-246	3-5	50
MS35206-229	11-20	50	MS35206-246	3-6	90
MS35206-230	3-26	110	MS35206-246	3-7	50
MS35206-230	6-11	–	MS35206-246	6-1	130
MS35206-244	11-8	395	MS35206-246	6-1	70
MS35206-244	11-9	305	MS35206-246	6-2	–
MS35206-244	3-17	140	MS35206-246	6-2	–
MS35206-244	3-19	–	MS35206-246	6-2	–
MS35206-244	3-20	430	MS35206-246	11-16	120
MS35206-244	3-20A	430	MS35206-247	11-8	410
MS35206-244	3-20B	430	MS35206-247	11-9	320
MS35206-244	3-6	230	MS35206-247	11-15	140
MS35206-244	3-7	250	MS35206-247	6-2	–
MS35206-244	3-7	280	MS35206-247	11-7	770
MS35206-244	3-9	90	MS35206-249	11-15	135
MS35206-244	6-11	61	MS35206-249	11-14	110
MS35206-244	6-2	–	MS35206-250	11-8	430
MS35206-244	6-2	–	MS35206-250	11-9	340
MS35206-244	11-7	860	MS35206-250	11-7	900
MS35206-245	10-4	430	MS35206-251	11-15	100
MS35206-245	11-15	105	MS35206-251	11-14	–
MS35206-245	11-19	235	MS35207-262	3-5.1	110
MS35206-245	11-19	80	MS35207-262	3-5.1	190
MS35206-245	12-2B	90	MS35207-262	6-2	–
MS35206-245	3-19	140	MS35207-262	6-2	–
MS35206-245	3-20	570	MS35207-262	12-10	250
MS35206-245	3-20A	570	MS35207-263	6-2	–
MS35206-245	3-20B	570	MS35207-263	6-2	–
MS35206-245	3-23	482	MS35207-AR	12-10	250
MS35206-245	3-24	–	MS35214-109	11-6	130
MS35206-245	3-24	–	MS35214-15	11-7	210

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FIGURES 7-4C, 7-4D, 8-1 THROUGH 8-11, 12-1A THROUGH 12-2B, 12-5, 12-6A, AND 12-10

Part Number	Figure	Item	Part Number	Figure	Item
MS35214-15	11-8	–	MS35338-40	8-10	80
MS35214-15	11-8	110	MS35338-41	11-19	55
MS35214-15	11-9	–	MS35338-41	3-16	100
MS35214-15	11-9	–	MS35338-41	3-20	360
MS35214-25	11-6	220	MS35338-41	3-20A	360
MS35214-25	11-7	90	MS35338-41	3-20B	360
MS35214-25	11-8	55	MS35338-41	11-5	–
MS35214-26	11-6	380	MS35338-41	11-6	90
MS35214-26	11-7	140	MS35338-41	11-20	70
MS35214-26	11-8	30	MS35338-42	10-4	450
MS35214-26	11-9	–	MS35338-42	11-8	415
MS35214-26	11-9	–	MS35338-42	11-9	325
MS35214-26	11-9	53	MS35338-42	11-15	85
MS35214-27	11-8	129	MS35338-42	11-19	90
MS35214-27	11-9	–	MS35338-42	3-20	590
MS35214-28	11-7	480	MS35338-42	3-20A	590
MS35214-28	11-8	225	MS35338-42	3-20B	590
MS35214-29	11-6	50	MS35338-42	3-22	120
MS35214-30	11-5	–	MS35338-42	3-23	100
MS35214-30	11-6	140	MS35338-42	3-24	–
MS35214-30	11-7	200	MS35338-42	3-24	–
MS35214-30	11-8	95	MS35338-42	3-24	–
MS35214-30	11-9	–	MS35338-42	3-24	150
MS35214-31	11-6	60	MS35338-42	3-4	280
MS35214-31	11-7	100	MS35338-42	3-4	300
MS35214-31	11-8	65	MS35338-42	3-5	70
MS35214-31	11-9	–	MS35338-42	3-6	110
MS35214-31	11-9	–	MS35338-42	3-9	110
MS35214-31	11-9	–	MS35338-42	5-1	350
MS35214-31	11-9	–	MS35338-42	6-1	–
MS35214-44	11-8	515	MS35338-42	6-1	–
MS35333-37	6-6	270	MS35338-42	6-1	–
MS35333-39	3-20	410	MS35338-42	6-1	–
MS35333-39	3-20A	410	MS35338-42	6-13	–
MS35333-39	3-20B	410	MS35338-42	6-2	–
MS35333-47	3-15	90	MS35338-42	6-2	–
MS35333-47	3-24	450	MS35338-42	6-2	–
MS35338-40	8-9	80	MS35338-42	11-7	780

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FIGURES 7-4C, 7-4D, 8-1 THROUGH 8-11, 12-1A THROUGH 12-2B, 12-5, 12-6A, AND 12-10

Part Number	Figure	Item	Part Number	Figure	Item
MS35338-42	11-7	910	MS35649-262	3-20B	370
MS35338-42	11-14	130	MS35649-262	3-26	120
MS35338-42	11-16	70	MS35649-262	11-5	—
MS35338-42	11-17	170	MS35649-262	11-6	80
MS35338-43	3-1	80	MS35649-282	10-4	460
MS35338-43	3-25	60	MS35649-282	11-8	420
MS35338-43	6-2	—	MS35649-282	11-9	330
MS35338-43	6-2	—	MS35649-282	11-15	90
MS35338-43	9-5	50	MS35649-282	11-19	95
MS35338-43	8-9	—	MS35649-282	12-2B	120
MS35338-43	8-10	—	MS35649-282	3-20	600
MS35338-44	5-6	230	MS35649-282	3-20A	600
MS35338-44	6-2	—	MS35649-282	3-20B	600
MS35338-44	6-2	—	MS35649-282	3-22	130
MS35338-44	6-2	—	MS35649-282	3-23	110
MS35338-99	11-8	510	MS35649-282	3-24	—
MS353630-42	3-7	70	MS35649-282	3-24	—
MS35489-1	6-4	—	MS35649-282	3-24	—
MS35489-10	3-24	—	MS35649-282	3-24	140
MS35489-11	3-15	140	MS35649-282	3-4	310
MS35489-11	11-17	60	MS35649-282	3-5	80
MS35489-11	11-19	220	MS35649-282	3-6	120
MS35489-14	11-19	180	MS35649-282	3-7	80
MS35489-14	3-24	—	MS35649-282	3-9	120
MS35489-4	6-11	—	MS35649-282	5-1	370
MS35489-5	6-4	290	MS35649-282	6-1	—
MS35489-6	6-10	70	MS35649-282	6-1	—
MS35489-6	6-7	220	MS35649-282	6-1	—
MS35489-6	6-7	70	MS35649-282	6-1	—
MS35489-6	11-16	90	MS35649-282	6-13	—
MS35489-6	11-17	80	MS35649-282	6-2	—
MS35649-202	6-2	—	MS35649-282	6-2	—
MS35649-2312	3-3	290	MS35649-282	6-2	—
MS35649-242	8-9	90	MS35649-282	8-3A	290
MS35649-242	8-10	90	MS35649-282	11-7	790
MS35649-262	11-19	60	MS35649-282	11-14	140
MS35649-262	3-20	370	MS35649-282	11-16	80
MS35649-262	3-20A	370	MS35649-282	11-17	180

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FIGURES 7-4C, 7-4D, 8-1 THROUGH 8-11, 12-1A THROUGH 12-2B, 12-5, 12-6A, AND 12-10

Part Number	Figure	Item	Part Number	Figure	Item
MS35650-302	9-5	55	N5000-87-PP	8-9	290
MS35650-302	8-9	—	N5000-87-PP	8-10	290
MS35650-302	8-10	—	N5002-100	12-10	100
MS35769-11	5-6	125	N5002-125-PP	8-1	40
MS35769-6	5-6	140	N5002-268-PP	12-6B	80
MS35769-6	6-11	20	N5002-354-S-PP	5-4	310
MS35769-9	12-1A	100	N5108-56-PP	8-9	370
MS35769-9	5-6	120	N5108-56-PP	8-10	370
MS35842-13	3-3	260	NAJ-02BC	3-20A	—
MS51500-B6-8	3-8	140	NAJ1-02	3-26	—
MS51525-B6-8	3-22	210	NAJ1-02BC	3-20A	—
MS51525B6-8Z	3-23	120	NAJ1-02BC	3-20A	—
MS51529B6S	3-22	360	NAJ17-02BC	3-20A	—
MS51529B6S	3-23	350	NAJ17-02BC	3-20B	—
MS51861-24	3-17	30	NAJ17-82BC	3-19	—
MS51861-24	3-17	60	NAJ17-82BC	3-20	—
MS51861-35	3-27	—	NAJ17-82BC	3-20A	—
MS51861-35	3-28	—	NAJ1-82BC	3-18	—
MS51861-35	6-1	110	NAJ1-82BC	3-18	—
MS51861-35	6-1	50	NAJ1-82BC	3-19	30
MS51861-36	3-20	291	NAJ1-82BC	3-20A	—
MS75028-22	11-17	30	NAJ1-82BC	3-20B	—
MS9021-152	5-4	50	NAJ5-048	5-3	—
MS9352-03	3-22	460	NAS1023D08K	3-18	—
MTK8	5-3	520	NAS1023D08K	3-18	—
MW-3TM-29	3-14	30	NAS1023D08K	3-20A	—
N-09	4-3	10	NAS1023D08K	3-20B	—
N5000-137-S-PP	5-3	30	NAS1068A08	3-20	—
N5000-175-PP	12-1A	170	NAS1068A08	3-20A	—
N5000-187-ZD	12-2A	30	NAS1068A08	3-20B	—
N5000-206-PP	12-1A	210	NAS1097AD3-3	3-18	—
N5000-268-PP	12-6A	100	NAS1097AD3-3	3-20	—
N5000-62-PP	11-18	110	NAS1097AD3-3	3-20	—
N5000-62-PP	12-2B	190	NAS1097AD3-3	3-20A	—
N5000-62-PP	8-9	150	NAS1097AD3-3	3-20A	—
N5000-62-PP	8-10	150	NAS1097AD3-3	3-20B	—
N5000-87	8-9	290	NAS1097AD3-3	3-20B	—
N5000-87	8-10	290	NAS1097AD3-3	6-12	50

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FIGURES 7-4C, 7-4D, 8-1 THROUGH 8-11, 12-1A THROUGH 12-2B, 12-5, 12-6A, AND 12-10

Part Number	Figure	Item	Part Number	Figure	Item
NAS1097AD3-4	3-20	–	NAS1149C1290R	4-2	260
NAS1097AD3-4	3-20	–	NAS1149C1290R	5-3	470
NAS1097AD3-4	3-20	–	NAS1149D0316H	3-26	210
NAS1097AD3-4	3-20	–	NAS1149D0316H	7-4C	120
NAS1097AD3-4	3-20	–	NAS1149D0316J	9-5	45
NAS1097AD3-4	3-20	–	NAS1149D0316J	9-5	65
NAS1097AD3-4	3-20	–	NAS1149D0463J	11-20	140
NAS1097AD3-4	3-20A	–	NAS1149D0563H	4-1	30
NAS1097AD3-4	3-20A	–	NAS1149D0563H	8-4	220
NAS1097AD3-4	3-20A	–	NAS1149D0663H	4-2	310
NAS1097AD3-4	3-20A	–	NAS1149DN832H	4-1	160
NAS1097AD3-4	3-20A	–	NAS1149DN832H	4-2	230
NAS1097AD3-4	3-20A	–	NAS1149DN832H	4-2	40
NAS1097AD3-4	3-20B	–	NAS1149DN832H	6-11	220
NAS1097AD3-4	3-20B	–	NAS1149F0316P	6-2	–
NAS1097AD3-4	3-20B	–	NAS1149F0316P	8-11	60
NAS1097AD3-4	3-20B	–	NAS1149F0316P	12-10	240
NAS1097AD3-4	3-20B	–	NAS1149F0332P	11-9	215
NAS1097AD3-4	3-20B	–	NAS1149F0332P	12-1A	230
NAS1101-08-6	8-7	–	NAS1149F0332P	12-6A	200
NAS1101-08-6	8-10	380	NAS1149F0332P	12-6B	270
NAS1101-08-8	8-9	130	NAS1149F0332P	3-1	60
NAS1101-08-8	8-9	380	NAS1149F0332P	3-10	150
NAS1101-08-8	8-10	130	NAS1149F0332P	3-10	180
NAS1101-3-10	8-3A	260	NAS1149F0332P	3-12	40
NAS1101-3-10	8-9	20	NAS1149F0332P	3-13	50
NAS1101-3-10	8-10	20	NAS1149F0332P	3-14	20
NAS1101-3-8	8-9	–	NAS1149F0332P	3-15	20
NAS1101-3-8	8-10	–	NAS1149F0332P	3-20	575
NAS1149C0332R	12-2A	80	NAS1149F0332P	3-20A	575
NAS1149C0332R	11-11	80	NAS1149F0332P	3-20B	575
NAS1149C0363R	3-29	110	NAS1149F0332P	3-20B	575
NAS1149C0432R	12-5	80	NAS1149F0332P	3-24	540
NAS1149C0463R	12-5	60	NAS1149F0332P	3-25	70
NAS1149C0463R	12-5	70	NAS1149F0332P	3-5.1	120
NAS1149C0463R	5-3	160	NAS1149F0332P	3-5.1	200
NAS1149C0563R	3-29	140	NAS1149F0332P	3-6	260
NAS1149C0632R	3-8	170	NAS1149F0332P	3-7	160

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FIGURES 7-4C, 7-4D, 8-1 THROUGH 8-11, 12-1A THROUGH 12-2B, 12-5, 12-6A, AND 12-10

Part Number	Figure	Item	Part Number	Figure	Item
NAS1149F0332P	3-7	260	NAS1149F0363P	3-20A	510
NAS1149F0332P	3-9	150	NAS1149F0363P	3-20B	510
NAS1149F0332P	5-1	130	NAS1149F0363P	3-23	570
NAS1149F0332P	5-2	60	NAS1149F0363P	3-28	340
NAS1149F0332P	5-3	200	NAS1149F0363P	3-6	160
NAS1149F0332P	5-3	440	NAS1149F0363P	3-7	130
NAS1149F0332P	5-5	260	NAS1149F0363P	5-1	450
NAS1149F0332P	6-13	–	NAS1149F0363P	5-3	210
NAS1149F0332P	6-13	–	NAS1149F0363P	6-13	–
NAS1149F0332P	6-13	187	NAS1149F0363P	6-13	193
NAS1149F0332P	6-13	194	NAS1149F0363P	8-2	20
NAS1149F0332P	6-13	40	NAS1149F0363P	8-9	30
NAS1149F0332P	6-13	60	NAS1149F0363P	8-10	30
NAS1149F0332P	6-2	–	NAS1149F0363P	9-5	120
NAS1149F0332P	6-2	–	NAS1149F0363P	11-7	640
NAS1149F0332P	6-2	–	NAS1149F0432P	3-11	360
NAS1149F0332P	6-2	–	NAS1149F0432P	3-20	390
NAS1149F0332P	6-3	30	NAS1149F0432P	3-20	460
NAS1149F0332P	8-11	55	NAS1149F0432P	3-20	540
NAS1149F0332P	8-3A	270	NAS1149F0432P	3-20A	390
NAS1149F0332P	8-5	250	NAS1149F0432P	3-20A	460
NAS1149F0332P	8-5A	150	NAS1149F0432P	3-20A	540
NAS1149F0332P	8-6	50	NAS1149F0432P	3-20B	390
NAS1149F0332P	8-6A	140	NAS1149F0432P	3-20B	460
NAS1149F0332P	8-7	60	NAS1149F0432P	3-20B	540
NAS1149F0332P	9-5	15	NAS1149F0432P	3-22	170
NAS1149F0332P	11-7	620	NAS1149F0432P	3-22	170
NAS1149F0332P	12-10	–	NAS1149F0432P	3-29	120
NAS1149F0363P	11-8	320	NAS1149F0432P	5-1	20
NAS1149F0363P	11-9	245	NAS1149F0432P	5-5	110
NAS1149F0363P	12-1B	70	NAS1149F0432P	5-7	75
NAS1149F0363P	12-2B	270	NAS1149F0432P	6-13	–
NAS1149F0363P	12-2B	–290	NAS1149F0432P	6-2	–
NAS1149F0363P	3-11	140	NAS1149F0432P	6-2	–
NAS1149F0363P	3-11	400	NAS1149F0432P	6-2	–
NAS1149F0363P	3-11	90	NAS1149F0432P	6-2	–
NAS1149F0363P	3-12	30	NAS1149F0432P	8-11	140
NAS1149F0363P	3-20	510	NAS1149F0432P	8-2	50

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FIGURES 7-4C, 7-4D, 8-1 THROUGH 8-11, 12-1A THROUGH 12-2B, 12-5, 12-6A, AND 12-10

Part Number	Figure	Item	Part Number	Figure	Item
NAS1149F0432P	8-4	240	NAS1149F0563P	8-6A	170
NAS1149F0432P	8-8	40	NAS1149F0632P	3-10	110
NAS1149F0432P	12-10	260	NAS1149F0632P	5-4	370
NAS1149F0463P	12-5	200	NAS1149F0632P	8-1	110
NAS1149F0463P	3-11	350	NAS1149F0663P	5-6	270
NAS1149F0463P	3-22	280	NAS1149F0732P	3-10	120
NAS1149F0463P	3-23	300	NAS1149F0732P	3-14	110
NAS1149F0463P	4-4	160	NAS1149F0732P	3-15	130
NAS1149F0463P	4-4	310	NAS1149F0732P	3-24	200
NAS1149F0463P	5-1	280	NAS1149F0732P	3-30	80
NAS1149F0463P	5-3	390	NAS1149F0732P	8-1	100
NAS1149F0463P	5-4	400	NAS1149F0763P	3-30	70
NAS1149F0463P	5-5	330	NAS1149F0763P	11-11	120
NAS1149F0463P	5-6	240	NAS1149F0763P	11-15	20
NAS1149F0463P	8-3	80	NAS1149F0763P	12-10	340
NAS1149F0463P	8-4	290	NAS1149F0863P	3-24	200
NAS1149F0463P	8-5	380	NAS1149F0863P	5-4	160
NAS1149F0463P	8-8	150	NAS1149F0963P	3-2	220
NAS1149F0532P	12-6A	50	NAS1149F1232P	3-10	110
NAS1149F0532P	12-6B	220	NAS1149F1232P	3-15	120
NAS1149F0532P	3-11	–	NAS1149F1232P	3-24	440
NAS1149F0532P	3-29	130	NAS1149FN316P	3-20	–
NAS1149F0532P	4-2	360	NAS1149FN316P	3-20	–
NAS1149F0532P	5-1	410	NAS1149FN316P	3-20	–
NAS1149F0532P	6-13	–	NAS1149FN316P	3-20A	–
NAS1149F0532P	8-4	210	NAS1149FN316P	3-20A	–
NAS1149F0532P	8-5	450	NAS1149FN316P	3-20A	–
NAS1149F0532P	8-5A	100	NAS1149FN316P	3-20B	–
NAS1149F0563P	8-4	170	NAS1149FN316P	3-26	140
NAS1149F0563P	12-6A	–55	NAS1149FN316P	6-7	150
NAS1149F0563P	12-6B	–230	NAS1149FN416P	11-7	220
NAS1149F0563P	4-1	60	NAS1149FN416P	11-8	115
NAS1149F0563P	4-2	360	NAS1149FN416P	11-9	–
NAS1149F0563P	5-1	420	NAS1149FN416P	8-9	70
NAS1149F0563P	5-2	90	NAS1149FN416P	8-10	70
NAS1149F0563P	5-4	220	NAS1149FN616P	11-8	35
NAS1149F0563P	8-3	30	NAS1149FN616P	11-9	–
NAS1149F0563P	8-5	440	NAS1149FN616P	11-9	–

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FIGURES 7-4C, 7-4D, 8-1 THROUGH 8-11, 12-1A THROUGH 12-2B, 12-5, 12-6A, AND 12-10

Part Number	Figure	Item	Part Number	Figure	Item
NAS1149FN616P	11-9	–	NAS1149FN816P	3-23	483
NAS1149FN616P	11-19	50	NAS1149FN816P	3-24	–
NAS1149FN616P	3-16	90	NAS1149FN816P	3-24	–
NAS1149FN616P	3-17	100	NAS1149FN816P	3-24	–
NAS1149FN616P	3-17	120	NAS1149FN816P	3-24	160
NAS1149FN616P	3-17	40	NAS1149FN816P	3-4	290
NAS1149FN616P	3-17	70	NAS1149FN816P	3-5	60
NAS1149FN616P	6-11	–	NAS1149FN816P	3-6	100
NAS1149FN616P	6-11	–	NAS1149FN816P	3-7	60
NAS1149FN616P	6-4	–	NAS1149FN816P	4-1	310
NAS1149FN616P	6-4	–	NAS1149FN816P	5-1	360
NAS1149FN616P	6-4	–	NAS1149FN816P	6-1	–
NAS1149FN616P	6-4	–	NAS1149FN816P	6-1	–
NAS1149FN616P	6-4	–	NAS1149FN816P	6-1	–
NAS1149FN616P	6-4	–	NAS1149FN816P	6-2	–
NAS1149FN616P	6-6	220	NAS1149FN816P	6-2	–
NAS1149FN616P	11-5	–	NAS1149FN816P	6-2	–
NAS1149FN616P	11-6	100	NAS1149FN816P	6-2	–
NAS1149FN616P	11-7	150	NAS1149FN816P	6-2	–
NAS1149FN632P	3-20	350	NAS1149FN816P	6-4	–
NAS1149FN632P	3-20A	350	NAS1149FN816P	6-5	–
NAS1149FN632P	3-20B	350	NAS1149FN816P	6-5	–
NAS1149FN632P	6-11	110	NAS1149FN816P	6-5	225
NAS1149FN632P	6-6	180	NAS1149FN816P	6-5	31
NAS1149FN816F	3-9	100	NAS1149FN816P	6-6	330
NAS1149FN816P	10-4	440	NAS1149FN816P	6-7	100
NAS1149FN816P	3-10	90	NAS1149FN816P	8-6	110
NAS1149FN816P	3-17	150	NAS1149FN816P	8-6A	50
NAS1149FN816P	3-17	190	NAS1149FN816P	8-9	120
NAS1149FN816P	3-2	180	NAS1149FN816P	8-10	120
NAS1149FN816P	3-20	440	NAS1149FN816P	11-14	120
NAS1149FN816P	3-20	580	NAS1149FN816P	11-15	80
NAS1149FN816P	3-20A	440	NAS1149FN816P	11-16	130
NAS1149FN816P	3-20A	580	NAS1149FN816P	11-17	160
NAS1149FN816P	3-20B	440	NAS1149FN816P	11-19	240
NAS1149FN816P	3-20B	580	NAS1149FN816P	11-19	85
NAS1149FN816P	3-22	110	NAS1149FN832P	11-8	310
NAS1149FN816P	3-23	90	NAS1149FN832P	11-9	235

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FIGURES 7-4C, 7-4D, 8-1 THROUGH 8-11, 12-1A THROUGH 12-2B, 12-5, 12-6A, AND 12-10

Part Number	Figure	Item	Part Number	Figure	Item
NAS1149FN832P	12-2B	100	NAS559-3	4-4	180
NAS1149FN832P	12-2B	320	NAS559-3	5-3	510
NAS1149FN832P	3-24	145	NAS561C8-10	5-5	60
NAS1149FN832P	3-7	260	NAS620-6L	6-11	—
NAS1149FN832P	3-7	290	NAS626-58	4-3	90
NAS1149FN832P	6-1	—	NAS636A08	6-8	—
NAS1149FN832P	6-11	70	NAS636A08	6-8	—
NAS1149FN832P	6-13	—	NAS6603-1	8-5	240
NAS1149FN832P	6-7	120	NAS6603-10	3-11	130
NAS1149FN832P	6-7	200	NAS6603-12	12-2B	280
NAS1149FN832P	11-7	660	NAS6603-14	11-8	290
NAS1149FN832P	11-11	190	NAS6603-14	11-7	610
NAS1351-3H10P	12-1A	150	NAS6603-16	3-26	200
NAS13523H8P	3-3	350	NAS6603-18	8-5A	140
NAS1352-3H8P	3-3	210	NAS66032	8-6	40
NAS1523-4E	5-6	300	NAS6603-24	8-5	310
NAS1523-4E	5-7	70	NAS6603-24	8-7	50
NAS1611-010	3-26	80	NAS6603D14	3-11	460
NAS1611-025	4-4	110	NAS6603D16	3-11	420
NAS1611-025	4-4	40	NAS6603D2	8-6A	130
NAS1611-029	4-2	140	NAS6603D30	3-11	380
NAS1611-137	4-4	150	NAS6603D4	12-2A	70
NAS1611-326	4-4	90	NAS6603D6	12-6A	190
NAS1611-333A	11-18	80	NAS6603H1	12-1A	240
NAS1611-333A	12-2B	50	NAS6604-11	8-8	140
NAS1612-10	4-4	240	NAS6604-13	8-8	30
NAS1612-2	4-4	250	NAS6604-23	8-8	110
NAS428-3A10	3-28	220	NAS6604-3	12-10	280
NAS428K4-16	3-11	180	NAS6604-9	8-8	70
NAS428K4-16	3-11	20	NAS6604D11	8-4	230
NAS428K4A16	3-11	20	NAS6604D15	12-5	10
NAS43HT3-48	5-5	270	NAS6604D17	12-5	190
NAS43HT4-64	3-20	550	NAS6604D17	8-3	70
NAS43HT4-64	3-20A	550	NAS6604D21	3-11	330
NAS43HT4-64	3-20B	550	NAS6604D23	8-5	370
NAS43HT4-64	3-7	380	NAS6604D31	8-3A	310
NAS509-8	4-4	190	NAS6604D56	3-11	270
NAS509-8	5-3	500	NAS6604D7	12-1B	100

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FIGURES 7-4C, 7-4D, 8-1 THROUGH 8-11, 12-1A THROUGH 12-2B, 12-5, 12-6A, AND 12-10

Part Number	Figure	Item	Part Number	Figure	Item
NAS6604H1	12-10	270	NP500-456-7	3-22	160
NAS6605D11	8-4	200	NP500-465-7	3-23	160
NAS6605D11	8-5	520	NP500-8R6	4-2	220
NAS6605D11	8-6A	160	NP500-8R8	4-2	30
NAS6605D13	8-3	20	NP500-8-X	12-2B	310
NAS6605D13	8-5	510	NP501-10-6	12-2B	260
NAS6605D15	8-5A	90	NP525-10R10	3-24	40
NAS6605D21	8-4	140	NP525-10R12	3-24	40
NAS6605D9	8-5	430	NPN	6-4	80
NAS6606D25	8-5A	60	NS35649-262	6-11	—
NAS6607-5	12-10	350	NSN 5305-00-984-6208	3-1	60
NAS686A08K	3-20	—	PACMO-APZ2IN	11-8	480
NAS686A08K	3-20	—	PAI-700	11-5	260
NAS686A08K	3-20A	—	PAI-700 28V	11-8	475
NAS686A08K	3-20B	—	PGZF0A0180	4-4	90
NAS686A3K	3-20	—	PLT4S-CO	11-7	—
NAS686A3K	3-20A	—	PS094032PG	3-26	150
NAS73-3E002	3-28	360	PVC-13	11-8	500
NK 500-8-5	8-9	380	PWMS-H25-C	6-14	60
NK 500-8-5	8-10	380	QS100-M12S	3-3	130
NK500-416-7	3-20	380	QS100-M28	3-28	200
NK500-416-7	3-20A	380	QS100-M28S	10-2	19
NK500-416-7	3-20B	380	QS200-M10S	3-5	30
NK500-416-7	3-22	160	QS200-M24S	3-5.1	40
NK500-8-A/R	11-18	140	QS200-M24S	3-5.1	60
NK-500-8R6	4-1	150	QS200-M28S	10-4	380
NK500-8-X	12-2B	310	QS200-M40S	10-3	18
NK501-10-6	11-18	135	QS200-M40S	10-4	370
NK501-10-6	12-2B	260	QS200-M40S	10-4	40
NK-510-10R10	4-1	250	QS200-M40S	3-22	200
NK525-10R10	3-24	40	QS-200-M40S	10-2	24
NK525-10R12	3-24	40	QS200M44S	10-2	4
NO NUMBER	11-15	65	QS200-M44S	10-3	9
NO NUMBER	11-1	20	QS200-M44S	10-4	110
NO NUMBER	11-3	240	QS200-M44S	10-4	330
NP500-456-7	3-20	380	QS200-M44S	10-4	40
NP500-456-7	3-20A	380	QS200-M44S	3-1	110
NP500-456-7	3-20B	380	QS200-M44S	3-2	60

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FIGURES 7-4C, 7-4D, 8-1 THROUGH 8-11, 12-1A THROUGH 12-2B, 12-5, 12-6A, AND 12-10

Part Number	Figure	Item	Part Number	Figure	Item
R10-E6-X2-V700	6-11	270	SJ-3501	11-20	130
R10-E6-Y2-V185	6-11	270	SL61N-5F	12-10	170
R1224S-28	6-2	10B	SL61N-5P	12-10	170
R35M	6-10	10	SL61W-5P	12-10	180
RA4400-6-C	5-5	290	SLN-3045	5-4	350
RG24-11M	6-10	10	SLW-3045	5-4	—
RG24-11M	6-13	80	SST1.5I-M	12-1B	140
RG-35	6-10	10	SST1.5I-MP	11-7	850
RHB32S	3-31	—	SST1.5I-MP	11-8	390
RJ-0370	3-8	150	SST1.5I-MP	11-9	300
RJ-1045-2	3-8	110	SST1.5I-MP	11-17	200
RJ9700	3-3	220	SST1M-MP	6-12	100
RST-200	4-2	120	SST1M-MP	11-17	190
S10P-175	3-24	60	SST25-MP	8-5	580
S10P-175	3-24	60	SST2S-MP	11-7	840
S10P-320	3-24	60	SST2S-MP	11-8	385
S-12B	9-2	36	SST2S-MP	11-9	295
S4-200	3-2	113	SST2S-MP	11-16	150
S500-10	11-19	160	SST2S-MP	11-17	210
S500-12	11-19	195	STD-1410	3-27	—
S500-16	11-19	100	STD-1410	3-28	170
S500-3	11-19	210	STD-2233	3-28	160
S500-4	11-19	75	STD-2233	3-28	170
S500-6	11-19	200	STD-35	3-27	—
S-50MP	5-6	50	STD-35	3-28	150
S83BZ-2	12-1A	90	STD-475	3-27	—
S8P-150	11-20	110	STD-475	3-28	160
S8P270	9-3	310	SY-0211	9-2	33
S8P270	9-4	270	T14BH517BC	11-5	—
SAW4204-15-123	6-1	20	TIGK54-15-RD-A	11-6	510
SAZ-4201E	6-2	30	TIGK54-15-WH-A	11-6	500
SAZ-4401	6-2	30	TIGK54-1S-RD-A	11-5	160A
SAZ-4401-1	6-13	170	TIGK54-1S-WH-A	11-5	160B
SAZ-4401-1	6-2	30	TIGM54-1C-RD-A	11-2	10
SC616NJ	6-11	130	TIGM54-1C-RD-A	11-3	10
SC628ANPR	6-11	130	TIGM54-1C-WH-A	11-2	—20A
SCEET 7	3-5.1	50	TIGM54-1C-WH-A	11-3	—20A
SCEET 7	3-5.1	80	TILA64-1C-RD-A	11-2	—10A

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FIGURES 7-4C, 7-4D, 8-1 THROUGH 8-11, 12-1A THROUGH 12-2B, 12-5, 12-6A, AND 12-10

Part Number	Figure	Item	Part Number	Figure	Item
TILA64-1C-WH-A	11-2	20	W-1284-R	6-6	120
TILA64-1C-WH-A	11-3	20	W-1290-14	6-6	390
TS-023	12-6A	70	W-1290-28	6-6	390
TS-023	12-6B	100	W1819-020	12-6B	110
TS-023	12-6B	130	W33-7516-10ET-1	11-5	320
U16082-H61	11-4	40	W97CSX-2	6-7	190
UI-5934-1	11-5	60	WC-22-6	4-3	100
UI5934-3	11-6	120	WP-22-6	4-3	110
UI6082-H61	11-1	150	X-142	4-2	—
V3-1	8-9	50	X1543HT	7-4C	-280
V3-1	8-10	50	X-16799	6-1	140
VC-3	5-2	—	X-16799	6-2	50
VH-375	5-6	246	Y9485	11-8	180
VH-75	4-2.1	170	Y9485	3-2	—
VSF-7203	6-1	90	Y9485	11-7	60
VSF-7403T	6-2	10	Z99R6	8-9	280
W-09	4-1	190	Z99R6	8-10	280
W-09	4-3	20	Z9R4X3	8-9	170
W-1284-G	6-6	120A	Z9R4X3	8-10	170

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FIGURE 3-11. THROTTLE CORRELATOR ASSEMBLY (F MODELS)

ITEM NUMBER	PART NUMBER	DESCRIPTION	QTY PER ASSY	MODELS AFFECTED						
				F-28A	280	F-28C	280C	F-28F	280F	280FX
10	28-16096-3	. Plate Assembly	1					X	X	X
10	28-16096-1	. Plate Assembly (Superseded by 28-16096-3)	1					X	X	X
20	NAS428K4A16	. . Bolt	1					X	X	X
20	NAS428K4-16	. . Bolt (Superseded by NAS428K4A16)	1					X	X	X
–	AN316-4R	. . Jam Nut	1					X	X	X
–	28-16080-901	. Offset Tube and Socket Assembly	1					X	X	X
40	28-16421-1	. . Offset Tube Assembly	1					X	X	X
50	28-16088-13	. . Tube	1					X	X	X
60	28-16409-15	. . Socket Control Throttle	1					X	X	X
60	28-16409-13	. . Socket Control Throttle (Replaced by 28-16409-15)	1					X	X	X
70	AN173-17A	. . Bolt	2					X	X	X
80	AN173-21A	. . Bolt	2					X	X	X
90	NAS1149F0363P	. . Washer	8					X	X	X
90	AN960-10	. . Washer (Superseded by NAS1149F0363P)	8					X	X	X
100	MS21044N3	. . Nut	4					X	X	X
100	AN365-1032A	. . Nut (Superseded by MS21044N3)	4					X	X	X
–	28-16478-3	. Pivot Support Assembly	1					X	X	X
–	28-16478-5	. Pivot Support Assembly (Superseded by 28-16478-3)	1					X	X	X
110	28-16479-13	. . Pivot Support Plate	1					X	X	X
120	28-16484-11	. . Clapper	1					X	X	X
130	NAS6603-10	. . Bolt	1					X	X	X
130	AN3-10A	. . Bolt (Superseded by NAS6603- 10)	1					X	X	X
140	NAS1149F0363P	. . Washer	2					X	X	X
140	AN960-10	. . Washer (Superseded by NAS1149F0363P)	2					X	X	X
150	28-16476-2	. . Bushing	1					X	X	X

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FIGURE 3-11. THROTTLE CORRELATOR ASSEMBLY (F MODELS)

ITEM NUMBER	PART NUMBER	DESCRIPTION	QTY PER ASSY	MODELS AFFECTED						
				F-28A	280	F-28C	280C	F-28F	280F	280FX
160	MS21083N3	. . Nut	1					X	X	X
160	AN364-1032A	. . Nut (Superseded by MS21083N3)	1					X	X	X
170	28-16098-11	. . Stop Pin	2					X	X	X
180	NAS428K4-16	. . Bolt	1					X	X	X
190	AN316-4R	. . Nut	1					X	X	X
200	MS24586-C346	. . Spring	2					X	X	X
—	28-16481-5	. Output Lever Assembly	1					X	X	X
210	28-16482-13	. . Output Lever	1					X	X	X
220	28-16473-1	. . Bushing	3					X	X	X
230	KP4A	. . Bearing	2					X	X	X
240	28-16477-1	. Spacer	1					X	X	X
250	28-16476-3	. Bushing	1					X	X	X
260	AN4H-12A	. Bolt	1					X	X	X
270	NAS6604D56	. Bolt	1					X	X	X
270	AN4-37	. Bolt (Superseded by NAS6604D56)	1					X	X	X
280	28-16074-11	. Spacer	1					X	X	X
290	28-16087-11	. Washer	2					X	X	X
300	28-16477-2	. Spacer	2					X	X	X
310	F12-NE-4753-048	. Nut	2					X	X	X
310	MS17825-4	. Nut (Alternate to F12-NE-4753- 048)	2					X	X	X
320	MS24665-151	. Cotter Pin	6					X	X	X
320	AN381-2-8	. Cotter Pin (Superseded by MS24665-151)	6					X	X	X
330	NAS6604D21	. Bolt	1					X	X	X
330	AN4-16	. Bolt (Superseded by NAS6604D21)	1					X	X	X
340	KP4A	. Bearing	2					X	X	X
350	NAS1149F0463P	. Washer	3					X	X	X

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FIGURE 3-11. THROTTLE CORRELATOR ASSEMBLY (F MODELS)

ITEM NUMBER	PART NUMBER	DESCRIPTION	QTY PER ASSY	MODELS AFFECTED						
				F-28A	280	F-28C	280C	F-28F	280F	280FX
350	AN960-416	. Washer (Superseded by NAS1149F0463P)	3					X	X	X
360	NAS1149F0432P	. Washer	2					X	X	X
360	AN960-416L	. Washer (Superseded by NAS1149F0432P)	2					X	X	X
370	28-16021-11	. Bellcrank	1					X	X	X
380	NAS6603D30	. Bolt	1					X	X	X
380	AN3-22	. Bolt (Superseded by NAS6603D30)	1					X	X	X
390	28-16087-13	. Washer	4					X	X	X
400	NAS1149F0363P	. . Washer	4					X	X	X
400	AN960-10	. . Washer (Superseded by NAS1149F0363P)	4					X	X	X
410	F12-NE-4753-02	. Nut	4					X	X	X
410	MS17825-3	. Nut (Alternate to F12-NE-4753- 02)	4					X	X	X
420	NAS6603D16	. Bolt	2					X	X	X
420	AN3-13	. Bolt (Superseded by NAS6603D16)	2					X	X	X
430	28-16498-9	. Tie Rod	1					X	X	X
440	28-16473-1	. Bushing	3					X	X	X
450	28-16498-101	. Tie Rod Assembly	1					X	X	X
450*	28-16498-9	. Tie Rod	1					X		
460	NAS6603D14	. Bolt	1					X	X	X
460	AN3-12	. Bolt (Superseded by NAS6603D14)	1					X	X	X
470≡	MS24586C311	. Spring	2					X	X	X
480≡	MS24586C234	. Spring	2					X	X	X
490	28-16022-11	. Bell Crank	1					X	X	X
500	28-16011-1	. Bolt Control Collective	1					X	X	X
–	NAS1149F0532P	. Washer, Flat	1					X	X	X
–	28-113107-11	. Throttle Correlator Spacer (0.032")	A/R					X	X	X

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FIGURE 3-11. THROTTLE CORRELATOR ASSEMBLY (F MODELS)

ITEM NUMBER	PART NUMBER	DESCRIPTION	QTY PER ASSY	MODELS AFFECTED						
				F-28A	280	F-28C	280C	F-28F	280F	280FX
–	28-113107-13	. Throttle Correlator Spacer (0.025")	A/R					X	X	X
–	28-113107-15	. Throttle Correlator Spacer (0.016")	A/R					X	X	X
–	28-113108-11	. Collective Stop Plate (0.032")	A/R					X	X	X
–	28-113108-13	. Collective Stop Plate (0.025")	A/R					X	X	X
–	28-113108-15	. Collective Stop Plate (0.016")	A/R					X	X	X

* Used on S/N 506, 507, and 509 through 736.

≡ See Appendix A for equivalent part information.

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ENSTROM F-28/280 SERIES ILLUSTRATED PARTS CATALOG

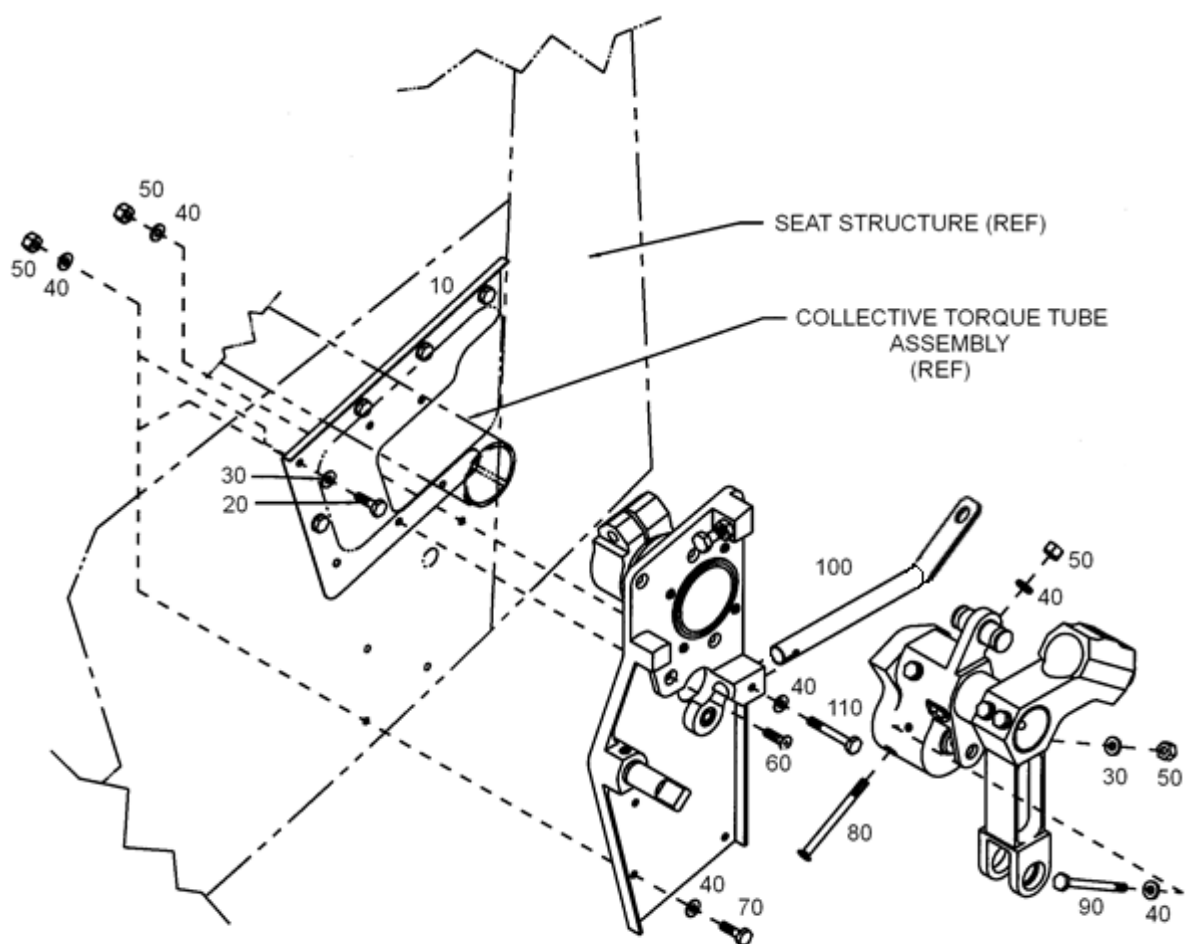


FIGURE 3-12. THROTTLE CORRELATOR INSTALLATION (F MODELS)

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FIGURE 3-27. EXHAUST SYSTEM INSTALLATION (A MODELS)

ITEM NUMBER	PART NUMBER	DESCRIPTION	QTY PER ASSY	MODELS AFFECTED						
				F-28A	280	F-28C	280C	F-28F	280F	280FX
—	28-12500-1	. Exhaust System	1	X						
10	099001-176	. . Shroud Assembly (Obsolete)	1	X	X					
—	C6052-8Z-1	. . . Tinnerman Nut	7	X	X					
—	MS51861-35	. . . Screw	7	X	X					
—	AN530C8-8	. . . Screw (Superseded by MS51861-35)	7	X	X					
20	099001-174	. . Muffler Assembly (Obsolete)	1	X	X					
30	099001-177	. . Exhaust Riser, R/H	2	X	X					
40	099001-178	. . Exhaust Riser, L/H	2	X	X					
50	EL-099005-401	. . Clamp Half	8	X	X					
50	099005-401	. . Clamp Half (Superseded by EL- 099005-401)	8	X	X					
60	AN3C4A	. . Bolt	16	X	X					
70	MS21042-3	. . Nut	16	X	X					
70	AN365-1032C	. . Nut (Superseded by MS21042- 3)	16	X	X					
80*	75118	. Gasket Flange Exhaust (Not Shown)	8	X	X					
80*	77611	. Gasket (Not Shown) Alternate	4	X	X					
—*	STD-35	. Washer	8	X	X					
—*	STD-475	. Lock Washer	8	X	X					
—*	STD-1410	. Nut	8	X	X					

* Obtain from Lycoming distributor.

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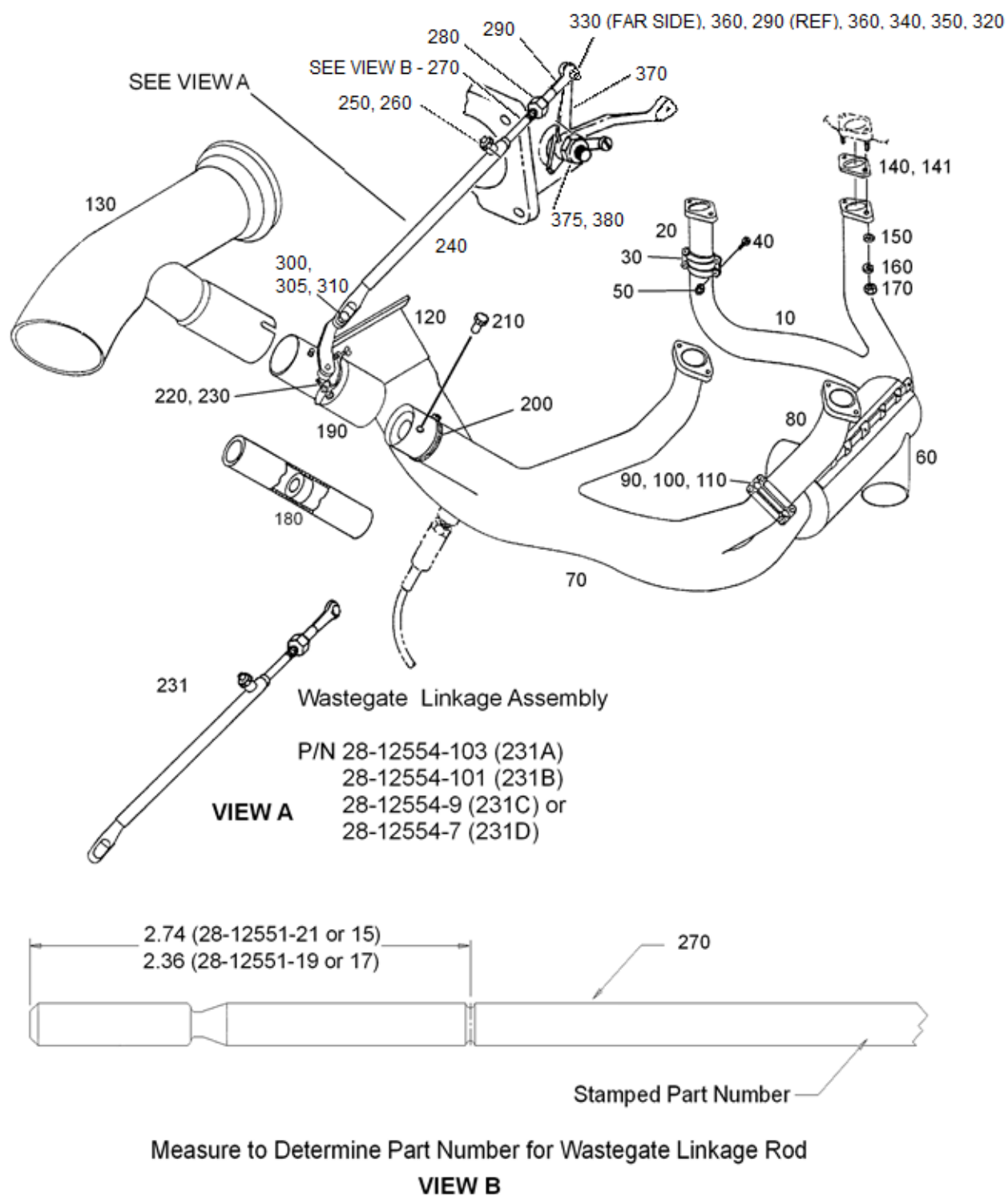


FIGURE 3-28. EXHAUST SYSTEM INSTALLATION (C, F MODELS)

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FIGURE 3-28. EXHAUST SYSTEM INSTALLATION (C, F MODELS)

ITEM NUMBER	PART NUMBER	DESCRIPTION	QTY PER ASSY	MODELS AFFECTED						
				F-28A	280	F-28C	280C	F-28F	280F	280FX
270●	28-12551-21	. . Rod Linkage Wastegate, Long with .250" Diameter Rod	1					X	X	X
280	AN315-3R	. . Nut, Hex, 10-32	1					X	X	X
290	HFVV3M	. . Bearing, Rod-End, 3/16" RH	1					X	X	X
231B†	28-12554-101	. Linkage Assembly Wastegate (Alternate to 28-12554-103)	1					X	X	X
240	28-12555-7	. . Sleeve Assembly	1					X	X	X
250	K3N	. . Plunger: Ball, 1/4-20 Stubby	1					X	X	X
260	28-12560-1	. . Nut	1					X	X	X
270●	28-12551-19	. . Rod Linkage Wastegate, Short with .250" Diameter Rod	1					X	X	X
280	AN315-3R	. . Nut, Hex, 10-32	1					X	X	X
290	HFVV3M	. . Bearing, Rod-End, 3/16" RH	1					X	X	X
231C	28-12554-9	. Linkage Assembly-Wastegate (Superseded by 28-12554-7)	1					X	X	X
240	28-12555-7	. . Sleeve Assembly	1					X	X	X
250	K3N	. . Plunger: Ball, 1/4-20 Stubby	1					X	X	X
260	28-12560-1	. . Nut	1					X	X	X
270●	28-12551-21	. . Rod Linkage, Long with .250 Diameter Rod	1					X	X	X
270●	28-12551-17	. . Rod Linkage, Short, with .250 Diameter Rod (Superseded by 28-12551-21)	1					X	X	X
280	AN315-3R	. . Nut, Hex, 10-32	1					X	X	X
290	HFVV3M	. . Bearing, Rod-End, 3/16" RH	1					X	X	X
231D	28-12554-7	. Linkage Assembly Wastegate (Superseded by 28-12554-101)	1					X	X	X
240	28-12555-7	. . Sleeve Assembly – Fits .250 Diameter Rod	1					X	X	X
240A**	28-12555-1	. . Sleeve Assembly – Fits .290 Diameter Rod	1					X	X	
250	K3N	. . Plunger: Ball, 1/4-20 Stubby	1					X	X	X
260	28-12560-1	. . Nut	1					X	X	X

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FIGURE 3-28. EXHAUST SYSTEM INSTALLATION (C, F MODELS)

ITEM NUMBER	PART NUMBER	DESCRIPTION	QTY PER ASSY	MODELS AFFECTED						
				F-28A	280	F-28C	280C	F-28F	280F	280FX
270●	28-12551-15	. . Rod Linkage Wastegate, Long with 0.250" Diameter Rod (Superseded by 28-12551-19)	1					X	X	X
270A**●	28-12551-13	. . Rod Linkage Wastegate, 0.290" Diameter Rod (Used with 28- 12555-1 Tube Assembly)	1					X	X	
280	AN315-3R	. . Nut, Hex, 10-32	1					X	X	X
290	HFVV3M	. . Bearing, Rod-End, 3/16" RH	1					X	X	X
300	MS20392-2C11	. Clevis Pin	1					X	X	X
305	MS24665-153	. Cotter Pin	1					X	X	X
300	AN393-11	. Clevis Pin (Superseded by MS20392-2C11)	1					X	X	X
310	AN960-10L	. Washer	1					X	X	X
320	MS24665-300	. Cotter Pin	1					X	X	X
320	AN381-2-8	. Cotter Pin (Replaced by MS24665-300)	1					X	X	X
330	AN3-11	. Bolt	1					X	X	X
—	MS20995C32	. Safety Wire	A/R					X	X	X
340	NAS1149F0363P	. Washer	2					X	X	X
350	F12NE4753-02	. Nut	1					X	X	X
360	NAS73-3E002	. Bushing	2					X	X	X
370	28-12570-3	. Bellcrank	1					X	X	X
375	MS246665-90	. Cotter Pin	1					X	X	X
380	AN310-5	. Nut	1					X	X	X

* Obtain from Lycoming distributor.

** Used on helicopters manufactured on or before 1985.

‡ Used on helicopters manufactured after 1985.

● See Figure 3-28 View B to determine the correct part number.

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SECTION 8

FLIGHT CONTROLS

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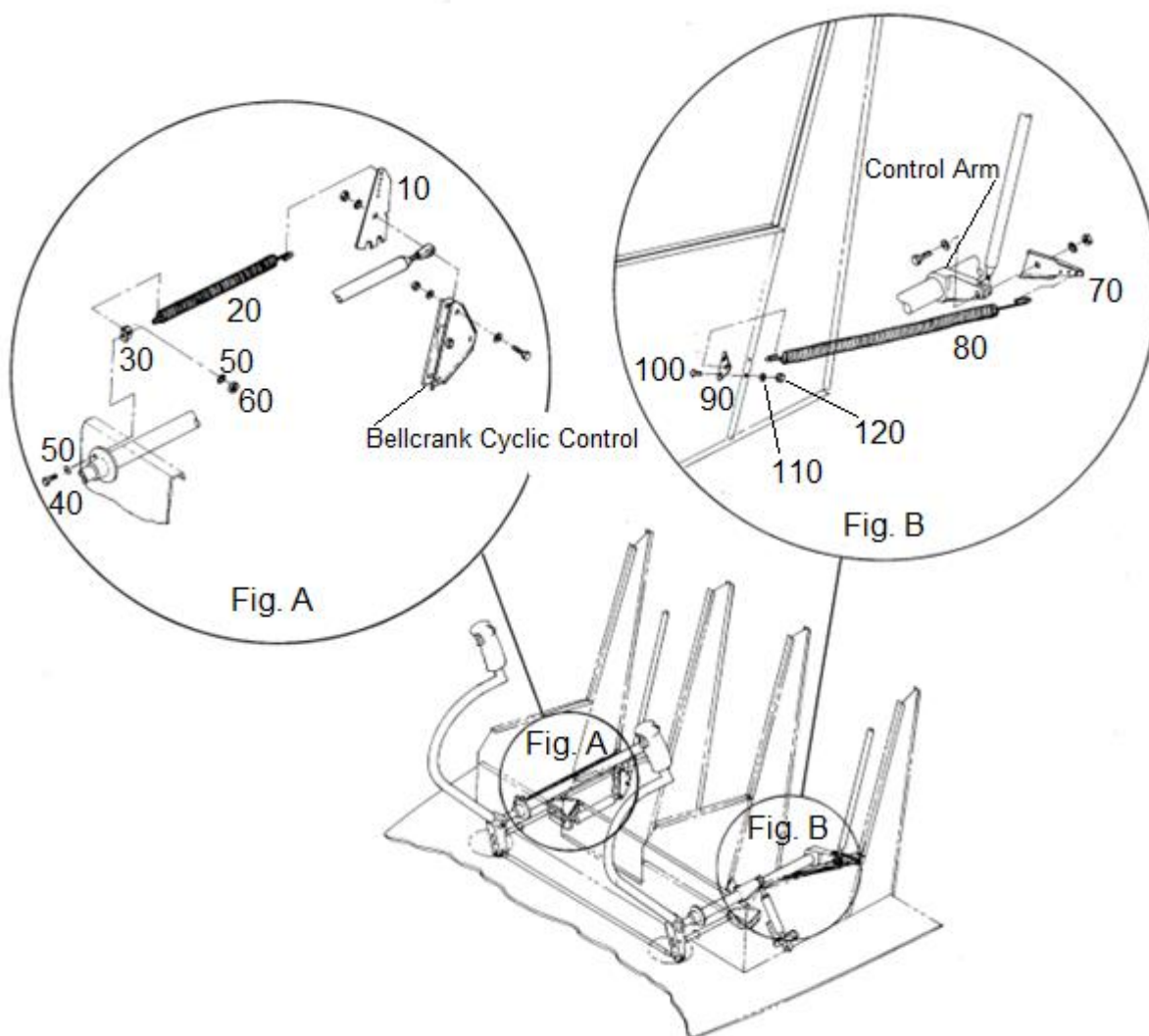


FIGURE 8-6. TRIM SPRING MECHANICAL INSTALLATION

ENSTROM F-28/280 SERIES ILLUSTRATED PARTS CATALOG

FIGURE 8-6. TRIM SPRING MECHANICAL INSTALLATION

ITEM NUMBER	PART NUMBER	DESCRIPTION	QTY PER ASSY	MODELS AFFECTED						
				F-28A	280	F-28C	280C	F-28F	280F	280FX
–	28-16024	Cyclic Control System Installation	REF			X	X			
–	28-16295-1	. Bias Spring Installation Cyclic Fore/Aft Control	REF			X	X			
10	28-16294-1	. . Bracket	1			X	X			
20	28-16283-4	. . Spring	1			X	X			
30	28-16284-1	. . Attach Bracket	1			X	X			
40	NAS66032	. Bolt	1			X	X			
40	AN3-4A	. Bolt (Superseded by NAS66032)	1			X	X			
50	NAS1149F0332P	. Washer	2			X	X			
50	AN960-10L	. Washer (Alternate)	2			X	X			
60	MS20364-1032	. Nut	1			X	X			
60	AN364-1032	. Nut (Alternate)	1			X	X			
–	28-16293-2	Bias Spring Installation Cyclic Lateral Control	REF			X	X			
70	28-16290-2	. Bracket	1			X	X			
80	28-16283-2	. Spring	1			X	X			
90	28-16291-1	. Plate	1			X	X			
100	MS27039-0806	. Screw	2			X	X			
110	NAS1149FN816P	. Washer	2			X	X			
110	AN960-8L	. Washer (Alternate)	2			X	X			
120	MS21044N08	. Nut	2			X	X			
120	AN365-832A	. Nut (Superseded by MS21044N08)	2			X	X			

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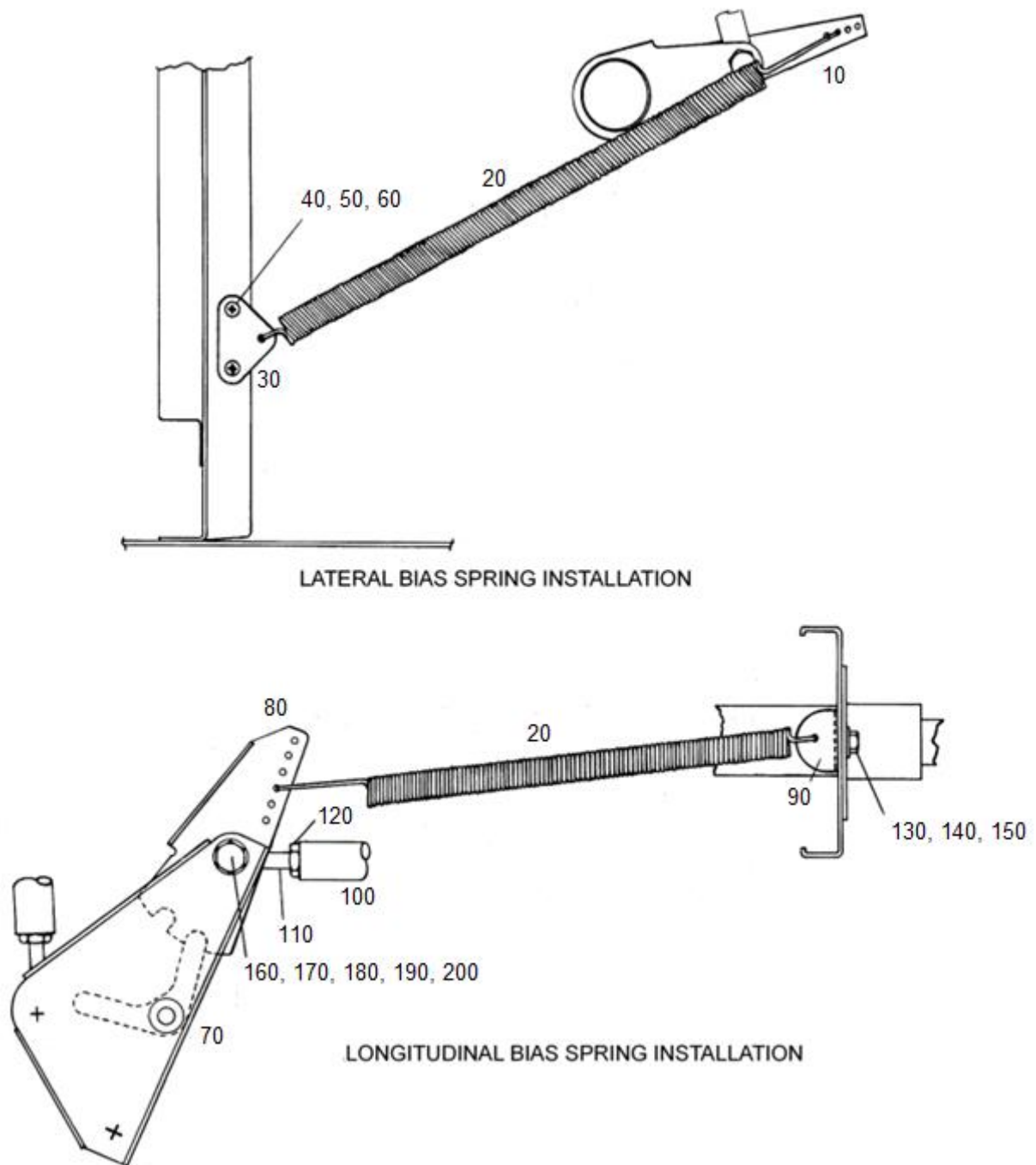


FIGURE 8-6A. LATERAL AND LONGITUDINAL BIAS SPRING INSTALLATION

ENSTROM F-28/280 SERIES ILLUSTRATED PARTS CATALOG

FIGURE 8-6A. LATERAL AND LONGITUDINAL BIAS SPRING INSTALLATION

ITEM NUMBER	PART NUMBER	DESCRIPTION	QTY PER ASSY	MODELS AFFECTED						
				F-28A	280	F-28C	280C	F-28F	280F	280FX
–	28-16024	Cyclic Control System Installation	REF			X	X	X	X	X
–	28-16293-2	. Bias Spring Installation Cyclic Lateral Control	REF			X	X			
10	28-16290-2	. . Bracket	1	X	X	X	X	X	X	X
20	28-16283-2	. . Spring	1	X	X	X	X	X	X	X
30	28-16291-1	. . Plate	1	X	X	X	X	X	X	X
40	MS27039-0806	. . Screw	2	X	X	X	X	X	X	X
40	AN525-832R6	. . Screw (Superseded by MS27039-0806)	2	X	X	X	X	X	X	X
50	NAS1149FN816P	. . Washer	2	X	X	X	X	X	X	X
50	AN960-8L	. . Washer (Alternate)	2	X	X	X	X	X	X	X
60	MS21044N08	. . Nut	2	X	X	X	X	X	X	X
60	AN365-832A	. . Nut (Superseded by MS21044N08)	2	X	X	X	X	X	X	X
70	28-16160-7	. Bellcrank	1	X	X	X	X	X	X	X
80	28-16294-13	. Bracket	1	X	X	X	X	X	X	X
80	28-16294-1	. Bracket (Replaced by 28-16294-13)	1	X	X	X	X	X	X	X
90	28-16284-1	. Bracket	1	X	X	X	X	X	X	X
100	28-16155-4	. Push-Pull Rod	1	X	X	X	X	X	X	X
110	HMVV-5M	. Rod End	1	X	X	X	X	X	X	X
120	AN316-5R	. Nut	1	X	X	X	X	X	X	X
–	28-16637-11	. Bracket	1			X	X	X	X	X
–	28-16292-11	. Spring	1			X	X	X	X	X
130	NAS6603D2	. Bolt	1	X	X	X	X	X	X	X
130	AN3-4A	. Bolt (Superseded by NAS6603D2)	1	X	X	X	X	X	X	X
140	NAS1149F0332P	. Washer	2	X	X	X	X	X	X	X
140	AN960-10L	. Washer (Alternate)	2	X	X	X	X	X	X	X
150	MS21083N3	. Nut	1	X	X	X	X	X	X	X
150	AN364-1032A	. Nut (Superseded by MS21083N3)	1	X	X	X	X	X	X	X

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FIGURE 8-6A. LATERAL AND LONGITUDINAL BIAS SPRING INSTALLATION

ITEM NUMBER	PART NUMBER	DESCRIPTION	QTY PER ASSY	MODELS AFFECTED						
				F-28A	280	F-28C	280C	F-28F	280F	280FX
160	NAS6605D11	. Bolt	1	X	X	X	X	X	X	X
160	AN5-11	. Bolt (Superseded by NAS6605D11)	1	X	X	X	X	X	X	X
170	NAS1149F0563P	. Washer	A/R	X	X	X	X	X	X	X
170	AN960-516	. Washer (Alternate)	A/R	X	X	X	X	X	X	X
180	AN916-516L	. Washer	A/R	X	X	X	X	X	X	X
190	MS17825-5	. Nut	1	X	X	X	X	X	X	X
190	F12NE-4753-054	. Nut (Superseded by MS17825-5)	1	X	X	X	X	X	X	X
200	MS24665-151	. Cotter Pin	1	X	X	X	X	X	X	X
200	AN381-2-8	. Cotter Pin (Superseded by MS24665-151)	1	X	X	X	X	X	X	X

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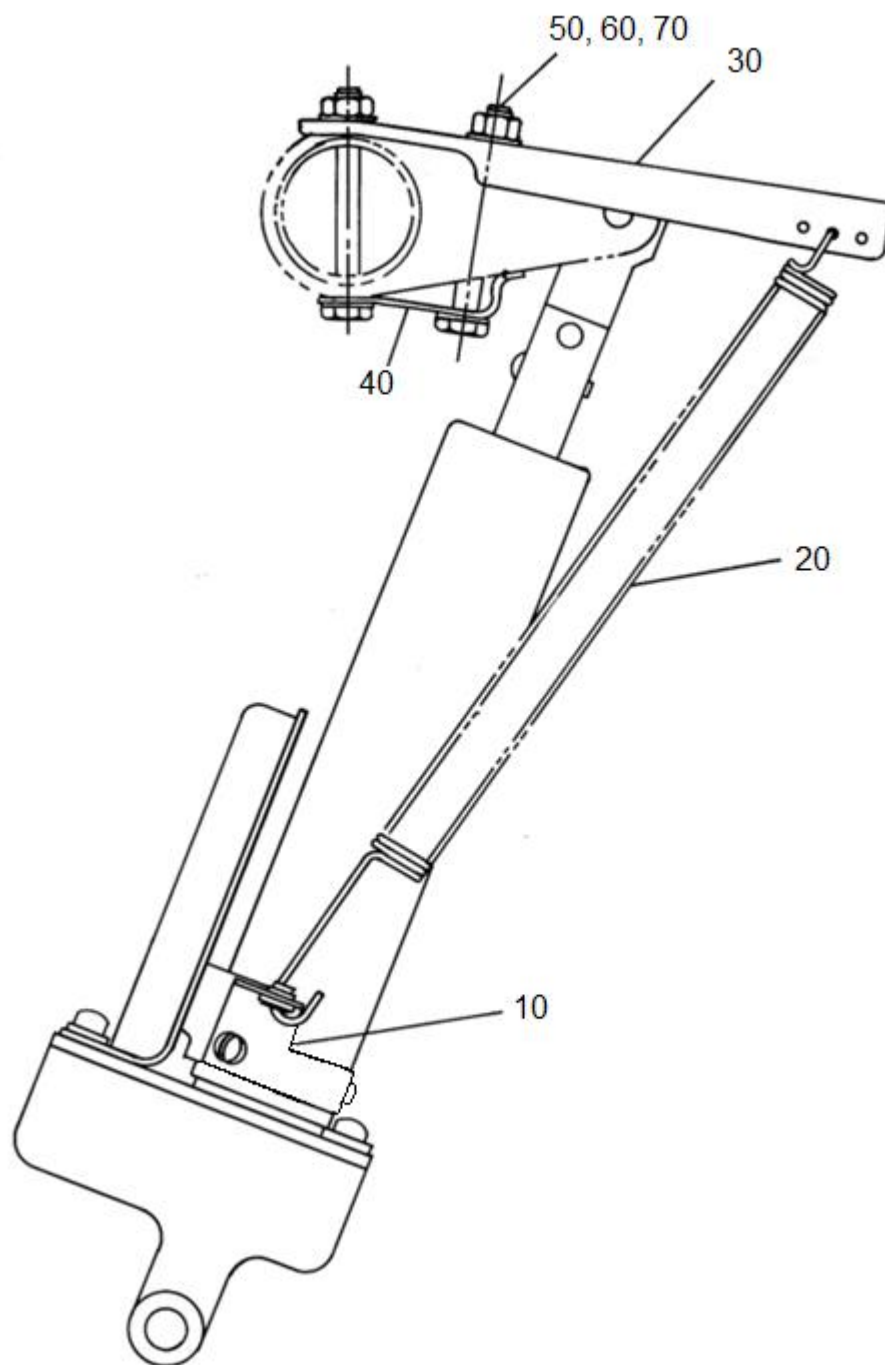


FIGURE 8-7. LATERAL TRIM WITH BIAS SPRING INSTALLATION

ENSTROM F-28/280 SERIES ILLUSTRATED PARTS CATALOG

FIGURE 8-7. LATERAL TRIM WITH BIAS SPRING INSTALLATION

ITEM NUMBER	PART NUMBER	DESCRIPTION	QTY PER ASSY	MODELS AFFECTED						
				F-28A	280	F-28C	280C	F-28F	280F	280FX
—	28-16618-103	Lateral Spring Housing Assembly	REF			X	X	X	X	X
10♦	28-162043-1	. Bracket Assembly - Spring	1			X	X	X	X	X
—10	28-162041-1	. Bracket Assembly (Left Hand) (Inactive) (Superseded by 28- 162043-1)	1			X	X	X	X	X
—10	28-162041-2	. Bracket Assembly (Right Hand) (Inactive) (Superseded by 28- 162043-1)	1			X	X	X	X	X
20*♦	28-16283-4	. . Spring	2			X	X	X	X	X
30*♦	28-162042-11	. . Bracket Bias Spring	1			X	X	X	X	X
40*♦	28-162040-11	. . Clip	1			X	X	X	X	X
50*♦	NAS6603-24	. . Bolt	2			X	X	X	X	X
50*♦	AN3-17A	. . Bolt (Superseded by NAS6603- 24)	2			X	X	X	X	X
60*♦	NAS1149F0332P	. . Washer	4			X	X	X	X	X
60*♦	AN960-10L	. . Washer (Alternate)	4			X	X	X	X	X
70*	MS20364-1032	. . Nut	2			X	X	X	X	X
70*	AN364-1032	. . Nut (Alternate)	2			X	X	X	X	X
—♦	NAS1101-08-6	. Screw	3			X	X	X	X	X
—♦	AN503-8-6	. Screw (Superseded by NAS1101- 08-6)	3			X	X	X	X	X
—♦	MS21083N3	. Nut	2			X	X	X	X	X

* 28-16293-2 & -3 installation not required with these components on relocated Lateral Trim System.

♦ Items included in kit 28-01034-1.

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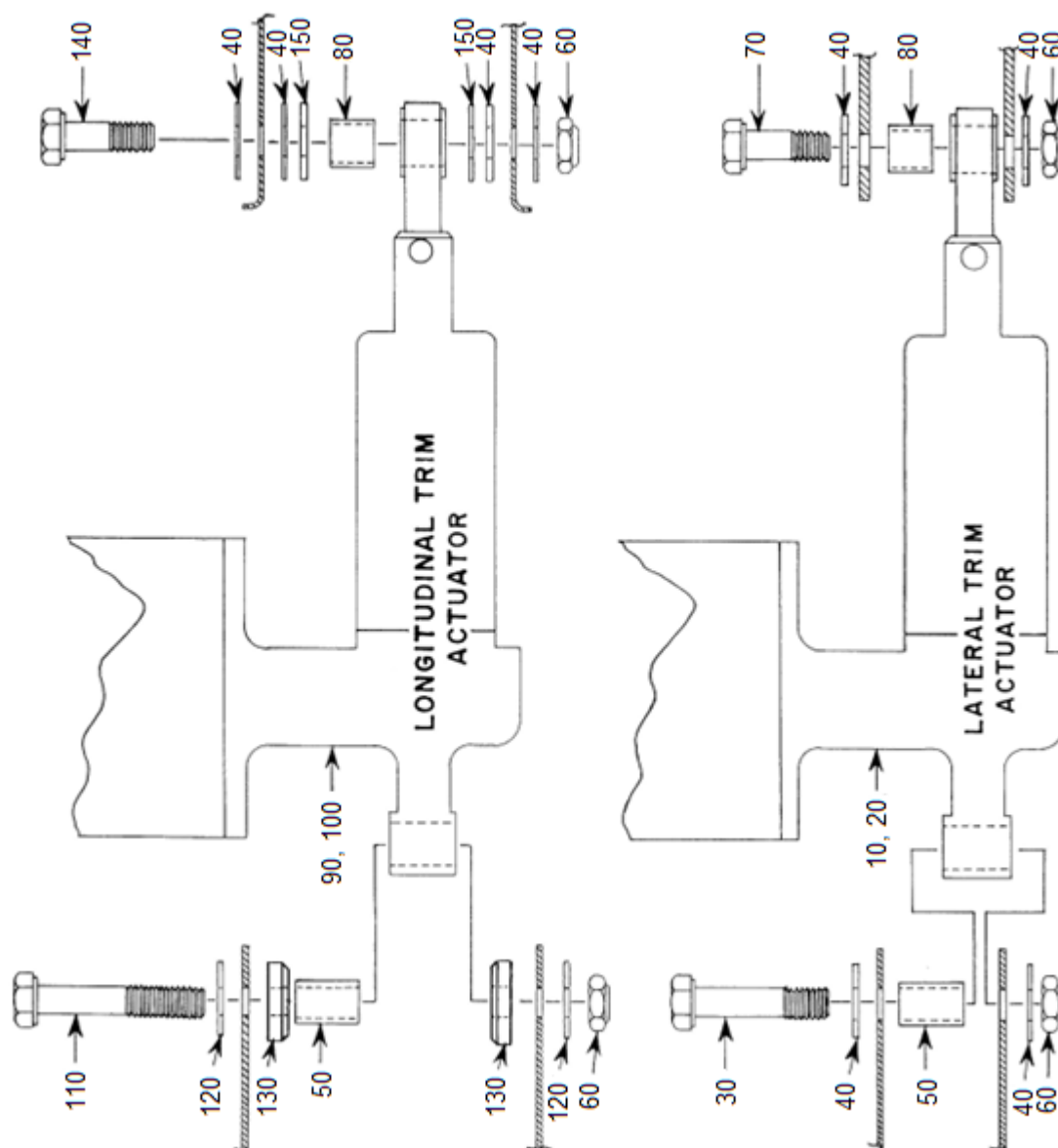


FIGURE 8-8. TRIM ACTUATOR CAPSULE INSTALLATION

ENSTROM F-28/280 SERIES ILLUSTRATED PARTS CATALOG

FIGURE 8-8. TRIM ACTUATOR CAPSULE INSTALLATION

ITEM NUMBER	PART NUMBER	DESCRIPTION	QTY PER ASSY	MODELS AFFECTED						
				F-28A	280	F-28C	280C	F-28F	280F	280FX
–	28-16024	Cyclic Control System Installation	REF	X	X	X	X	X	X	X
10◇	28-16600-115	. Lateral Trim Motor Assy. (24V)	1					X	X	X
10	28-16600-107	. Lateral Trim Motor Assy. (24V) (Superseded by 28-16600-115)	1					X	X	X
10	28-16600-103	. Lateral Trim Motor Assy. (24V) (Superseded by 28-16600-107)	1					X	X	X
20△	28-16600-119	. Lateral Trim Motor Assy. (12V)	1					X	X	X
20	28-16600-111	. Lateral Trim Motor Assy. (12V) Superseded by 28-16600-119)	1					X	X	X
20	28-16600-10	. Lateral Trim Motor Assy. (12V) (Superseded by 28-16600-111)	1					X	X	X
20*	28-16600-8	. Lateral Trim Motor Assy. (12V)	1	X	X	X	X			
30	NAS6604-13	. . Bolt	1	X	X	X	X	X	X	X
30	AN4-12A	. . Bolt (Superseded by NAS6604-13)	1	X	X	X	X	X	X	X
40	NAS1149F0432P	. . Washer	8	X	X	X	X	X	X	X
40	AN960-416L	. . Washer (Alternate)	8	X	X	X	X	X	X	X
50	28-16625-1	. . Spacer	2	X	X	X	X	X	X	X
60	MS20364-428	. . Nut	4	X	X	X	X	X	X	X
60	AN364-428	. . Nut (Alternate)	4	X	X	X	X	X	X	X
70	NAS6604-9	. . Bolt	1	X	X	X	X	X	X	X
70	AN4-10A	. . Bolt (Superseded by NAS6604-9)	1	X	X	X	X	X	X	X
80	28-16203-1	. . Spacer	2	X	X	X	X	X	X	X
90◇	28-16600-113	. Longitudinal Trim Motor Assy. (24V)	1					X	X	X
90	28-16600-105	. Longitudinal Trim Motor Assy. (24V) (Superseded by 28-16600-113)	1					X	X	X
90	28-16600-101	. Longitudinal Trim Motor Assy. (24V) (Superseded by 28-16600-105)	1					X	X	X
100△	28-16600-117	. Longitudinal Trim Motor Assy. (12V)	1					X	X	X

ENSTROM F-28/280 SERIES ILLUSTRATED PARTS CATALOG

FIGURE 8-8. TRIM ACTUATOR CAPSULE INSTALLATION

ITEM NUMBER	PART NUMBER	DESCRIPTION	QTY PER ASSY	MODELS AFFECTED						
				F-28A	280	F-28C	280C	F-28F	280F	280FX
100	28-16600-109	. Longitudinal Trim Motor Assy. (12V) (Superseded by 28-16600-117)	1					X	X	X
100	28-16600-9	. Longitudinal Trim Motor Assy. (12V) (Superseded by 28-16600-109)	1					X	X	X
100**	28-16600-7	. Longitudinal Trim Motor Assy. (12V)	1	X	X	X	X			
110	NAS6604-23	. . Bolt	1	X	X	X	X	X	X	X
110	AN4-17A	. . Bolt (Superseded by NAS6604-23)	1	X	X	X	X	X	X	X
120	ECD050-11	. . Washer	2	X	X	X	X	X	X	X
120	1/4 Harper	. . Washer (Alternate)	2	X	X	X	X	X	X	X
130	28-16211-1	. . Spacer	2	X	X	X	X	X	X	X
140	NAS6604-11	. . Bolt	1	X	X	X	X	X	X	X
140	AN4-11A	. . Bolt (Superseded by NAS6604-11)	1	X	X	X	X	X	X	X
150	NAS1149F0463P	. . Washer	2	X	X	X	X	X	X	X
150	AN960-416	. . Washer (Alternate)	2	X	X	X	X	X	X	X

* Replaced by 28-16600-119.

** Replaced by 28-16600-117.

◇ Complies with SDB 0110, latest revision, as the assembly is based on components established in kit 28-01063-1 (aircraft modified IAW SDB 0110, latest revision, meet the required action stated in FAA AD 2012-11-05.

Δ Applies to F-28F models equipped with a 12 volt D.C. system with trim relays (S/N 815 only). Previous note (◇) is also applicable.

ENSTROM F-28/280 SERIES ILLUSTRATED PARTS CATALOG

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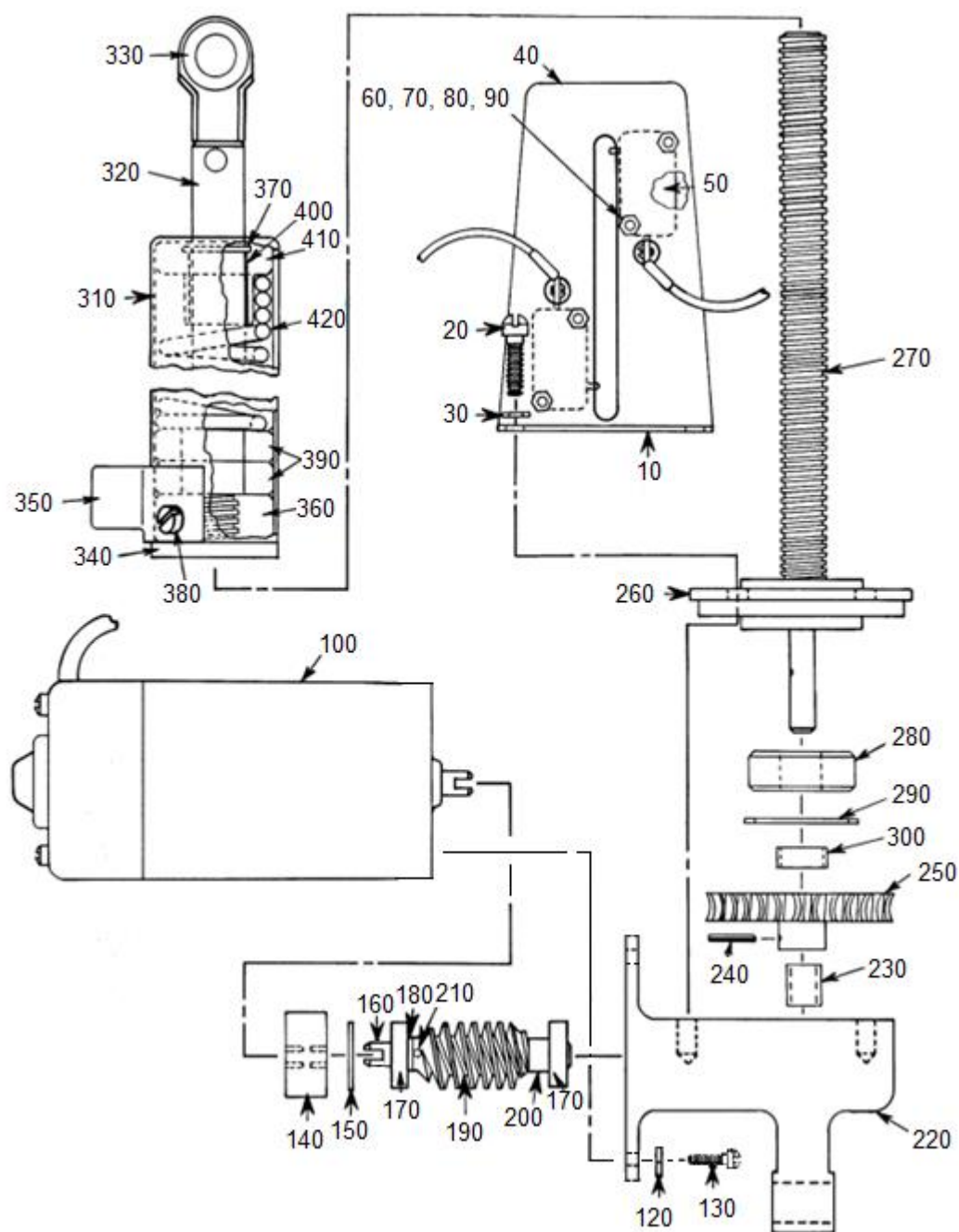


FIGURE 8-9. LATERAL TRIM ASSEMBLY

ENSTROM F-28/280 SERIES ILLUSTRATED PARTS CATALOG

FIGURE 8-9. LATERAL TRIM ASSEMBLY

ITEM NUMBER	PART NUMBER	DESCRIPTION	QTY PER ASSY	MODELS AFFECTED						
				F-28A	280	F-28C	280C	F-28F	280F	280FX
—◇	28-16600-115	Actuator Assembly (24V)	REF	X	X	X	X	X	X	X
—Δ	28-16600-119	Actuator Assembly (12V)	REF	X	X	X	X	X	X	X
—	28-16636-5	. Switch Assembly	1	X	X	X	X	X	X	X
—	28-16636-3	. Switch Assembly (Replaced by 28-16636-5)	1	X	X	X	X	X	X	X
10*◆	28-16614-5	. . Bracket Switch	1	X	X	X	X	X	X	X
10*	28-16614-3	. . Bracket Switch (Replaced by 28-16614-5)	1					X	X	X
—10	28-16614-1	. . Bracket Switch	1	X	X	X	X	X	X	
20◆	NAS1101-3-10	. Screw	2	X	X	X	X	X	X	X
20◆	AN502-10-10	. Screw (Superseded by NAS1101-3-10)	2	X	X	X	X	X	X	X
30▲	NAS1149F0363P	. Washer	4	X	X	X	X	X	X	X
30▲	AN960-10	. Washer (Alternate)	4	X	X	X	X	X	X	X
—	NAS1101-3-8	. Screw	2	X	X	X	X	X	X	X
—	AN502-10-8	. Screw (Superseded by NAS1101-3-8)	2	X	X	X	X	X	X	X
40*◆	28-16624-11	. . Shield Switch	1	X	X	X	X	X	X	X
40*	28-16624-3	. . Shield Switch (Replaced by 28-16624-11)	1					X	X	X
—40	28-16624-1	. . Shield Switch	1	X	X	X	X			
50	V3-1	. . Micro Switch	2	X	X	X	X	X	X	X
60◆	MS35206-219	. . Screw	4	X	X	X	X	X	X	X
60	AN515-4R12	. . Screw (Superseded by MS35206-219)	4	X	X	X	X	X	X	X
70	NAS1149FN416P	. . Washer	4	X	X	X	X	X	X	X
70	AN960-4L	. . Washer (Alternate)	4	X	X	X	X	X	X	X
80	MS35338-40	. . Lock Washer	4	X	X	X	X	X	X	X
80	AN935-4	. . Lock Washer (Alternate)	4	X	X	X	X	X	X	X
90	MS35649-242	. . Nut	4	X	X	X	X	X	X	X
90	AN340-4	. . Nut (Superseded by MS35649-242)	4	X	X	X	X	X	X	X
100	210A155	. Motor (24V)	1					X	X	X

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FIGURE 8-9. LATERAL TRIM ASSEMBLY

ITEM NUMBER	PART NUMBER	DESCRIPTION	QTY PER ASSY	MODELS AFFECTED						
				F-28A	280	F-28C	280C	F-28F	280F	280FX
-110	210A249	. Motor (12V)	1					X	X	X
-110A	28-16621-1	. Motor (12V)	1	X	X	X	X	X	X	X
120	NAS1149FN816P	. Washer	2	X	X	X	X	X	X	X
130	NAS1101-08-8	. Screw	2	X	X	X	X	X	X	X
130	AN503-8-8	. Screw (Superseded by NAS1101-08-8)	2	X	X	X	X	X	X	X
-▲	MS35338-43	. Lock Washer	2	X	X	X	X	X	X	X
-▲	AN935-10	. Lock Washer (Alternate)	2	X	X	X	X	X	X	X
-▲	MS35650-302	. Nut	2	X	X	X	X	X	X	X
-▲	AN345-10	. Nut (Superseded by MS35650-302)	2	X	X	X	X	X	X	X
140	28-16633-1	. Coupling	1	X	X	X	X	X	X	X
140	J3459-8	. Coupling (Replaced by 28-16633-1)	1	X	X	X	X	X	X	X
150	N5000-62-PP	. Snap Ring	1	X	X	X	X	X	X	X
-	28-16620-2	. Worm & Shaft Assembly	1	X	X	X	X	X	X	X
160	28-16619-1	. . Shaft	1	X	X	X	X	X	X	X
170	ECD066-1	. . Bearing	2	X	X	X	X	X	X	X
170	Z9R4X3	. . Bearing (Superseded by ECD066-1)	2	X	X	X	X	X	X	X
180	28-16610-1	. . Spacer	1	X	X	X	X	X	X	X
190	HLUH	. . Worm	1	X	X	X	X	X	X	X
200	28-16609-1	. . Spacer	1	X	X	X	X	X	X	X
210	MS16562-211	. . Spring Pin	1	X	X	X	X	X	X	X
210	GX-5	. . Roll Pin (Alternate)	1	X	X	X	X	X	X	X
220	28-16630-4	. Gear Housing	1	X	X	X	X	X	X	X
220	28-16630-2	. Gear Housing R.H. (Superseded by 28-16630-4)	1	X	X	X	X	X	X	X
230	B46-2 1/2	. Bearing	1	X	X	X	X	X	X	X
-	28-16617-2	. Acme Screw Shaft Assembly	1	X	X	X	X	X	X	X
240	MS16562-213	. . Roll Pin	1	X	X	X	X	X	X	X
250	28-16635-1	. . Worm Gear	1	X	X	X	X	X	X	X

ENSTROM F-28/280 SERIES ILLUSTRATED PARTS CATALOG

FIGURE 8-9. LATERAL TRIM ASSEMBLY

ITEM NUMBER	PART NUMBER	DESCRIPTION	QTY PER ASSY	MODELS AFFECTED						
				F-28A	280	F-28C	280C	F-28F	280F	280FX
260	28-16632-1	. . Cover Gear Housing	1	X	X	X	X	X	X	X
270	28-16607-1	. . Acme Screw Shaft	1	X	X	X	X	X	X	X
—	4166053-11	. . Shim	A/R	X	X	X	X	X	X	X
—	4166053-13	. . Shim	A/R	X	X	X	X	X	X	X
—	4166053-15	. . Shim	A/R	X	X	X	X	X	X	X
280	ECD034-11	. . Bearing	1	X	X	X	X	X	X	X
280	Z99R6	. . Bearing (Superseded by ECD034-11)	1	X	X	X	X	X	X	X
290	N5000-87	. . Snap Ring	1	X	X	X	X	X	X	X
290	N5000-87-PP	. . Snap Ring (Superseded by N5000-87)	1	X	X	X	X	X	X	X
300	28-16608-1	. . Spacer	1	X	X	X	X	X	X	X
310	28-16618-103	. Spring Housing Assembly	1	X	X	X	X	X	X	X
310	28-16618-9	. Spring Housing Assembly (Replaced by 28-16618-103)	1	X	X	X	X	X	X	X
310	28-16618-6	. Spring Housing Assembly (Replaced by 28-16618-9)	1	X	X	X	X			
320	28-16616-7	. . Shaft Assembly	1	X	X	X	X	X	X	X
320	28-16616-5	. . Shaft Assembly (Replaced by 28- 16616-7)	1	X	X	X	X	X	X	X
—	28-16612-5	. . . Rod End Assembly	1	X	X	X	X	X	X	X
330	28-16201-1	 Rod End Bearing	2	X	X	X	X	X	X	X
340	28-16628-1	. . Snubber Ring	1	X	X	X	X	X	X	X
350♦	28-16613-3	. . Micro Switch Actuator	1	X	X	X	X	X	X	X
350	28-16613-1	. . Micro Switch Actuator (Replaced by 28-16613-3)	1	X	X	X	X	X	X	X
360	28-16611-15	. . Acme Nut	1	X	X	X	X	X	X	X
360	28-16611-13	. . Acme Nut (Replaced by 28- 16611-15)	1	X	X	X	X	X	X	X
360	28-16611-1	. . Acme Nut (Replaced by 28- 16611-13)	1	X	X	X	X	X	X	X
370	N5108-56-PP	. . Snap Ring	1	X	X	X	X	X	X	X
→	28-162043-3	. . Bracket Assembly	1	X	X	X	X	X	X	X
—	28-162043-1	. . Bracket Assembly	1	X	X	X	X	X	X	X

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FIGURE 8-9. LATERAL TRIM ASSEMBLY

ITEM NUMBER	PART NUMBER	DESCRIPTION	QTY PER ASSY	MODELS AFFECTED						
				F-28A	280	F-28C	280C	F-28F	280F	280FX
380♦	NAS1101-08-8	. . Screw	3	X	X	X	X	X	X	X
380♦	AN503-8-8	. . Screw (Superseded by NAS1101-08-8)	3	X	X	X	X	X	X	X
380	NK 500-8-5	. . Screw (Superseded by AN503-8- 8)	3	X	X	X	X			
390	28-16626-1	. . Spacer	1	X	X	X	X	X	X	X
400	09-DU-12	. . Bearing	1	X	X	X	X	X	X	X
410	28-16604-1	. . Retainer	1	X	X	X	X	X	X	X
420	28-16601-1	. . Spring	1	X	X	X	X	X	X	X

* Used on 2600# G.W. aircraft.

♦ Items included in kit 28-01063-1.

▲ Items used with 28-16621-1.

◇ Complies with SDB 0110, latest revision, as the assembly is based on components established in kit 28-01063-1 (aircraft modified IAW SDB 0110, latest revision, meet the required action stated in FAA AD 2012-11-05.

Δ Applies to F-28F models equipped with a 12 volt D.C. system with trim relays (S/N 815 only). Previous note (◇) is also applicable.

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FIGURE 8-10. LONGITUDINAL TRIM ASSEMBLY

ENSTROM F-28/280 SERIES ILLUSTRATED PARTS CATALOG

FIGURE 8-10. LONGITUDINAL TRIM ASSEMBLY

ITEM NUMBER	PART NUMBER	DESCRIPTION	QTY PER ASSY	MODELS AFFECTED						
				F-28A	280	F-28C	280C	F-28F	280F	280FX
—◇	28-16600-113	Actuator Assembly (24V)	REF	X	X	X	X	X	X	X
—Δ	28-16600-117	Actuator Assembly (12V)	REF	X	X	X	X	X	X	X
—	28-16636-5	. Switch Assembly	1	X	X	X	X	X	X	X
—	28-16636-3	. Switch Assembly (Replaced by 28-16636-5)	1	X	X	X	X	X	X	X
10*◆	28-16614-5	. . Bracket Switch	1	X	X	X	X	X	X	X
10*	28-16614-3	. . Bracket Switch (Replaced by 28-16614-5)	1					X	X	X
—10	28-16614-1	. . Bracket Switch	1	X	X	X	X			
20◆	NAS1101-3-10	. Screw	2	X	X	X	X	X	X	X
20◆	AN502-10-10	. Screw (Superseded by NAS1101-3-10)	2	X	X	X	X	X	X	X
30▲	NAS1149F0363P	. Washer	4	X	X	X	X	X	X	X
30▲	AN960-10	. Washer (Alternate)	4	X	X	X	X	X	X	X
—	NAS1101-3-8	. Screw	2	X	X	X	X	X	X	X
—	AN502-10-8	. Screw (Superseded by NAS1101-3-8)	2	X	X	X	X	X	X	X
40*◆	28-16624-11	. . Shield Switch	1	X	X	X	X	X	X	X
40*	28-16624-3	. . Shield Switch (Replaced by 28-16624-11)	1					X	X	X
—40	28-16624-1	. . Shield Switch	1	X	X	X	X			
50	V3-1	. . Micro Switch	2	X	X	X	X	X	X	X
60◆	MS35206-219	. . Screw	4	X	X	X	X	X	X	X
60	AN515-4R12	. . Screw (Superseded by MS35206-219)	4	X	X	X	X	X	X	X
70	NAS1149FN416P	. . Washer	4	X	X	X	X	X	X	X
70	AN960-4L	. . Washer (Alternate)	4	X	X	X	X	X	X	X
80	MS35338-40	. . Lock Washer	4	X	X	X	X	X	X	X
80	AN935-4	. . Lock Washer (Alternate)	4	X	X	X	X	X	X	X
90	MS35649-242	. . Nut	4	X	X	X	X	X	X	X
90	AN340-4	. . Nut (Superseded by MS35649-242)	4	X	X	X	X	X	X	X
100	210A155	. Motor (24V)	1					X	X	X

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FIGURE 8-10. LONGITUDINAL TRIM ASSEMBLY

ITEM NUMBER	PART NUMBER	DESCRIPTION	QTY PER ASSY	MODELS AFFECTED						
				F-28A	280	F-28C	280C	F-28F	280F	280FX
-110	210A249	. Motor (12V)	1					X	X	X
-110A	28-16621-1	. Motor (12V)	1	X	X	X	X	X	X	X
120	NAS1149FN816P	. Washer	2	X	X	X	X	X	X	X
130	NAS1101-08-8	. Screw	2	X	X	X	X	X	X	X
130	AN503-8-8	. Screw (Superseded by NAS1101-08-8)	2	X	X	X	X	X	X	X
-▲	MS35338-43	. Lock Washer	2	X	X	X	X	X	X	X
-▲	AN935-10	. Lock Washer (Alternate)	2	X	X	X	X	X	X	X
-▲	MS35650-302	. Nut	2	X	X	X	X	X	X	X
-▲	AN345-10	. Nut (Superseded by MS35650-302)	2	X	X	X	X	X	X	X
140	28-16633-1	. Coupling	1	X	X	X	X	X	X	X
140	J3459-8	. Coupling (Replaced by 28-16633-1)	1	X	X	X	X	X	X	X
150	N5000-62-PP	. Snap Ring	1	X	X	X	X	X	X	X
-	28-16620-1	. Worm & Shaft Assembly	1	X	X	X	X	X	X	X
160	28-16619-1	. . Shaft	1	X	X	X	X	X	X	X
170	ECD066-1	. . Bearing	2	X	X	X	X	X	X	X
170	Z9R4X3	. . Bearing (Superseded by ECD066-1)	2	X	X	X	X	X	X	X
180	28-16610-1	. . Spacer	1	X	X	X	X	X	X	X
190	H DUH	. . Worm	1	X	X	X	X	X	X	X
200	28-16609-1	. . Spacer	1	X	X	X	X	X	X	X
210	MS16562-211	. . Spring Pin	1	X	X	X	X	X	X	X
210	GX-5	. . Roll Pin (Alternate)	1	X	X	X	X	X	X	X
220	28-16630-3	. Gear Housing	1	X	X	X	X	X	X	X
220	28-16630-1	. Gear Housing L.H. (Superseded by 28-16630-3)	1	X	X	X	X	X	X	X
230	B46-2 1/2	. Bearing	1	X	X	X	X	X	X	X
-	28-16617-1	. Acme Screw Shaft Assembly	1	X	X	X	X	X	X	X
240	MS16562-213	. . Roll Pin	1	X	X	X	X	X	X	X
250	28-16623-1	. . Worm Gear	1	X	X	X	X	X	X	X

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FIGURE 8-10. LONGITUDINAL TRIM ASSEMBLY

ITEM NUMBER	PART NUMBER	DESCRIPTION	QTY PER ASSY	MODELS AFFECTED						
				F-28A	280	F-28C	280C	F-28F	280F	280FX
260	28-16632-1	. . Cover Gear Housing	1	X	X	X	X	X	X	X
270	28-16607-1	. . Acme Screw Shaft	1	X	X	X	X	X	X	X
—	4166053-11	. . Shim	A/R	X	X	X	X	X	X	X
—	4166053-13	. . Shim	A/R	X	X	X	X	X	X	X
—	4166053-15	. . Shim	A/R	X	X	X	X	X	X	X
280	ECD034-11	. . Bearing	1	X	X	X	X	X	X	X
280	Z99R6	. . Bearing (Superseded by ECD034-11)	1	X	X	X	X	X	X	X
290	N5000-87	. . Snap Ring	1	X	X	X	X	X	X	X
290	N5000-87-PP	. . Snap Ring (Superseded by N5000-87)	1	X	X	X	X	X	X	X
300	28-16608-1	. . Spacer	1	X	X	X	X	X	X	X
310	28-16618-105	. Spring Housing Assembly	1	X	X	X	X	X	X	X
310	28-16618-101	. Spring Housing Assembly (Replaced by 28-16618-105)	1	X	X	X	X	X	X	X
310	28-16618-7	. Housing Assembly (Replaced by 28-16618-101)	1					X	X	X
320	28-16616-9	. . Shaft Assembly	1	X	X	X	X	X	X	X
320	28-16616-1	. . Shaft Assembly (Replaced by 28- 16616-9)	1	X	X	X	X	X	X	X
—	28-16612-5	. . . Rod Assembly	1	X	X	X	X	X	X	X
330	28-16201-1	 Rod End Bearing	2	X	X	X	X	X	X	X
340	28-16628-1	. . Rubber Snubber	1	X	X	X	X	X	X	X
350♦	28-16613-3	. . Micro Switch Actuator	1	X	X	X	X	X	X	X
350	28-16613-1	. . Micro Switch Actuator (Replaced by 28-16613-3)	1	X	X	X	X	X	X	X
360	28-16611-15	. . Acme Nut	1	X	X	X	X	X	X	X
360	28-16611-13	. . Acme Nut (Replaced by 28- 16611-15)	1	X	X	X	X	X	X	X
360	28-16611-1	. . Acme Nut (Replaced by 28- 16611-13)	1	X	X	X	X	X	X	X
370	N5108-56-PP	. . Snap Ring	1	X	X	X	X	X	X	X
380♦	NAS1101-08-6	. . Screw	3	X	X	X	X	X	X	X

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FIGURE 8-10. LONGITUDINAL TRIM ASSEMBLY

ITEM NUMBER	PART NUMBER	DESCRIPTION	QTY PER ASSY	MODELS AFFECTED						
				F-28A	280	F-28C	280C	F-28F	280F	280FX
380♦	AN503-8-6	. . Screw (Superseded by NAS1101-08-6)	3	X	X	X	X	X	X	X
380	NK 500-8-5	. . Screw (Superseded by AN503-8-6)	3	X	X	X	X	X	X	X
390	09-DU-10	. . Bearing	1	X	X	X	X	X	X	X
400	09-DU-12	. . Bearing	2	X	X	X	X	X	X	X
410	28-16604-1	. . Retainer	1	X	X	X	X	X	X	X
420	28-16601-1	. . Spring	1	X	X	X	X	X	X	X
430	28-16603-15	. . Retainer	1					X	X	X
440	28-16603-1	. . Retainer	1	X	X	X	X			

* Used on 2600# G. W. aircraft.

♦ Items included in kit 28-01063-1.

▲ Items used with 28-16621-1.

◇ Complies with SDB 0110, latest revision, as the assembly is based on components established in kit 28-01063-1 (aircraft modified IAW SDB 0110, latest revision, meet the required action stated in FAA AD 2012-11-05.

Δ Applies to F-28F models equipped with a 12 volt D.C. system with trim relays (S/N 815 only). Previous note (◇) is also applicable.

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SECTION 11

INSTRUMENTS

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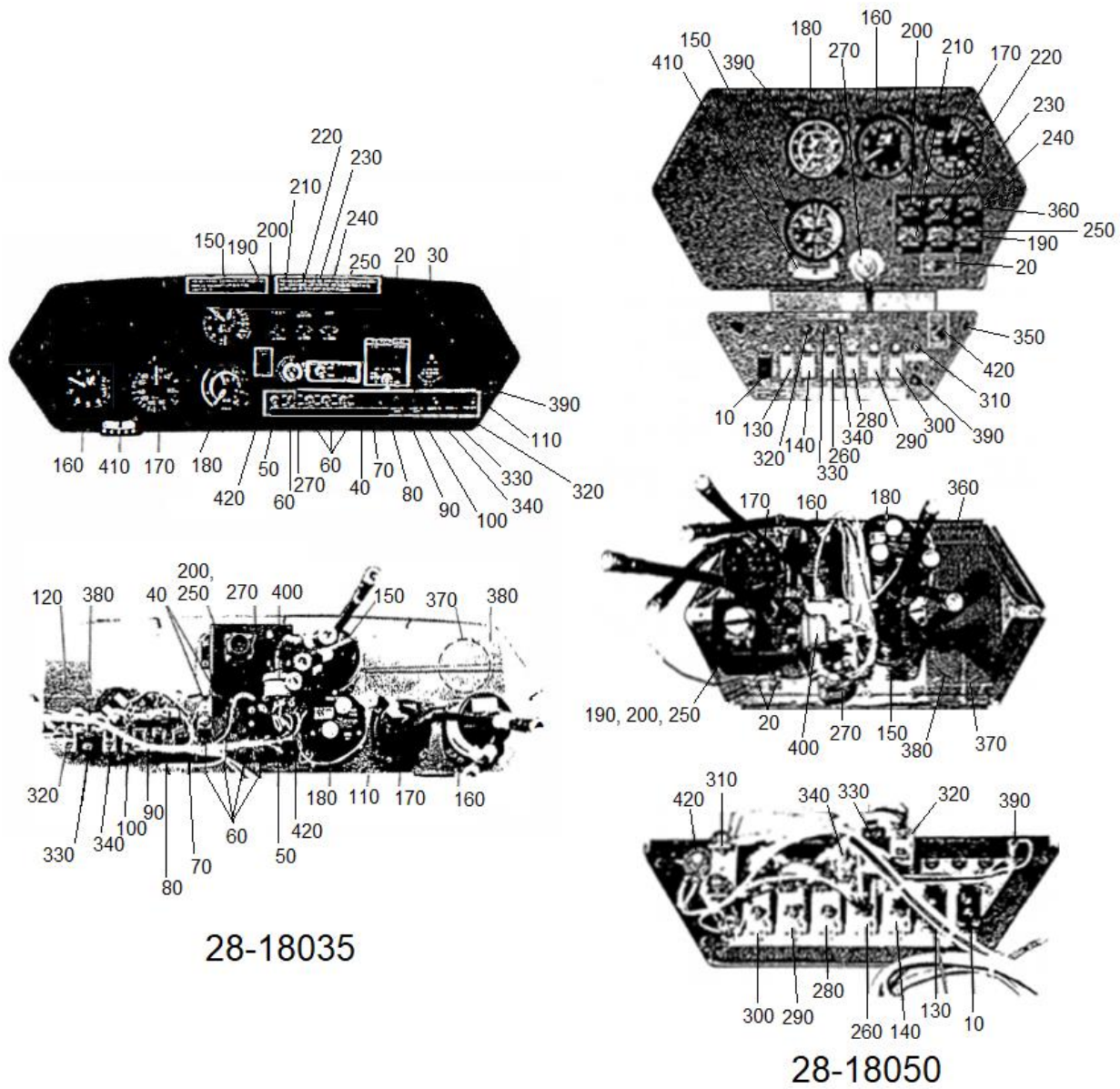


FIGURE 11-1. EARLY F-28A INSTRUMENT PANELS

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FIGURE 11-1. EARLY F-28A INSTRUMENT PANELS

ITEM NUMBER	PART NUMBER	DESCRIPTION	QTY PER ASSY	MODELS AFFECTED						
				F-28A	280	F-28C	280C	F-28F	280F	280FX
—◆	28-18035	Instrument Installation	REF	X						
—◆	28-18050	Instrument Installation	REF	X						
10	8134K21A1T50	. Master Switch	1	X						
20	NO NUMBER	. Fuel Pressure Warning System	1	X						
—	804-1710-0332-504	. Press-to-Test Light (Green)	1	X						
—	803-1710-0331-504	. Press-to-Test Light (Red)	1	X						
—	1815	. Bulb	2	X						
—	7270-1-7 1/2	. Circuit Breaker Switch	1	X						
30	773-4/50 VDC	. Hour Meter	1	X						
40	MP-160-012-70	. 70 Amp Circuit Breaker	1	X						
50	511T1-2	. Toggle Switch Master	1	X						
60	511TS1-2	. Toggle Switch	5	X						
70	1500-052-2	. 2 Amp Panel Light Circuit Breaker	1	X						
80	507-507-101	. 7.5 Amp Navigation Light Circuit Breaker	1	X						
90	700-001-15	. 15 Amp Anti-Collision Light Circuit Breaker	1	X						
100	700-001-20	. 20 Amp Landing Light Circuit Breaker	1	X						
110	28-18036	. Instrument Panel	1	X						
120	28-18036-10	. Filler Plate 2.25" Diameter	A/R	X						
130	8134K21A1M52	. Alternator Switch	1	X						
140	20TC2-CA-7.5	. Navigation Light Circuit Breaker Switch	1	X						
150	UI6082-H61	. Manifold Pressure Gauge	1	X						
160	5934	. Altimeter	1	X						
170	8000T	. Airspeed Indicator	1	X						
180	65-29AP	. Tachometer	1	X						
190	ECD071-11	. Instrument Cluster	1	X						

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FIGURE 11-1. EARLY F-28A INSTRUMENT PANELS

ITEM NUMBER	PART NUMBER	DESCRIPTION	QTY PER ASSY	MODELS AFFECTED						
				F-28A	280	F-28C	280C	F-28F	280F	280FX
190	22-169-09-1L	. Engine Instrument Cluster (Replaced by ECD071-11)	1	X						
200	ECD071-3	. . Fuel Quantity Gauge	1	X						
200	169E-910-14-4L	. . Fuel Quantity Gauge (Replaced by ECD071-3)	1	X						
210	ECD071-6	. . Engine Oil Pressure Gauge	1	X						
210	169E-914-1L	. . Engine Oil Pressure Gauge (Replaced by ECD071-6)	1	X						
220	ECD071-4	. . MRGB Oil Temperature Gauge	1	X						
220	169E-910-15L	. . MRGB Oil Temperature Gauge (Replaced by ECD071-4)	1	X						
230	ECD071-7	. . Engine Oil Temperature Gauge	1	X						
230	169E-910-11L	. . Engine Oil Temperature Gauge (Replaced by ECD071-7)	1	X						
240	ECD071-5	. . Ammeter	1	X						
240	169E-909-2L	. . Ammeter (Replaced by ECD071-5)	1	X						
250	ECD071-8	. . Engine Cylinder Temperature Gauge	1	X						
250	169E-910-12L	. . Engine Cylinder Temperature Gauge (Replaced by ECD071-8)	1	X						
260	20TC2-CA-3	. Panel Light Circuit Breaker Switch	1	X						
270	10-357290-1	. Ignition Switch	1	X						
280	20TC2-CA-15	. Anti-Collision Light Circuit Breaker Switch	1	X						
290	20TC2-CA-7.5	. Boost Pump Circuit Breaker Switch	1	X						
300	20TC2-CA-20	. Landing Light Circuit Breaker Switch	1	X						
310	MP-100-012-70	. Alternator Circuit Breaker (70 Amp)	1	X						
320	507-507-101	. 7.5 Amp Trim Motor Circuit Breaker	1	X						

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FIGURE 11-1. EARLY F-28A INSTRUMENT PANELS

ITEM NUMBER	PART NUMBER	DESCRIPTION	QTY PER ASSY	MODELS AFFECTED						
				F-28A	280	F-28C	280C	F-28F	280F	280FX
330	1500-052-1	. 1 Amp Instrument Circuit Breaker	1	X						
340	507-507-101	. 7.5 Amp Ignition Circuit Breaker	1	X						
—	41EN-G5-2312	. Indicator Light (Green)	1	X						
—	41EN-G3-2311	. Indicator Light (Red)	1	X						
350	28-18051	. Switch Panel	1	X						
360	28-18049	. Instrument Panel	1	X						
370	28-18036-9	. Filler Plate 3.08" Diameter	A/R	X						
380	222	. Kendall Polyken Cloth Tape	A/R	X						
—	C-2400L4VT-AB	. Airpath Compass	1	X						
—	330	. Compass Bulb	1	X						
—	1592-30	. Scott Outside Air Temperature Gauge	1	X						
390	A8970B-1-330	. Instrument Light	9	X						
—	330	. Instrument Bulb	9	X						
—	22-370-60	. Shunt, 50 Millivolt	1	X						
400	2904-33F5	. Pressure Switch	1	X						
410	1040	. Ball Bank Indicator	1	X						
420	KN500B1/8	. Knob	1	X						
—	0110	. Rheostat	1	X						
—*	41EN-G3-2311	. Starter Engaged Warning Light (Red)	1	X						
—*	41EN-G3-2311	. Alternator Discharge Light (Red)	1	X						
—*	41EN-G3-2313	. Low Fuel Light (Amber)	1	X						

◆ Information contained herein represents components as installed at the time of manufacture.

* Optional equipment.

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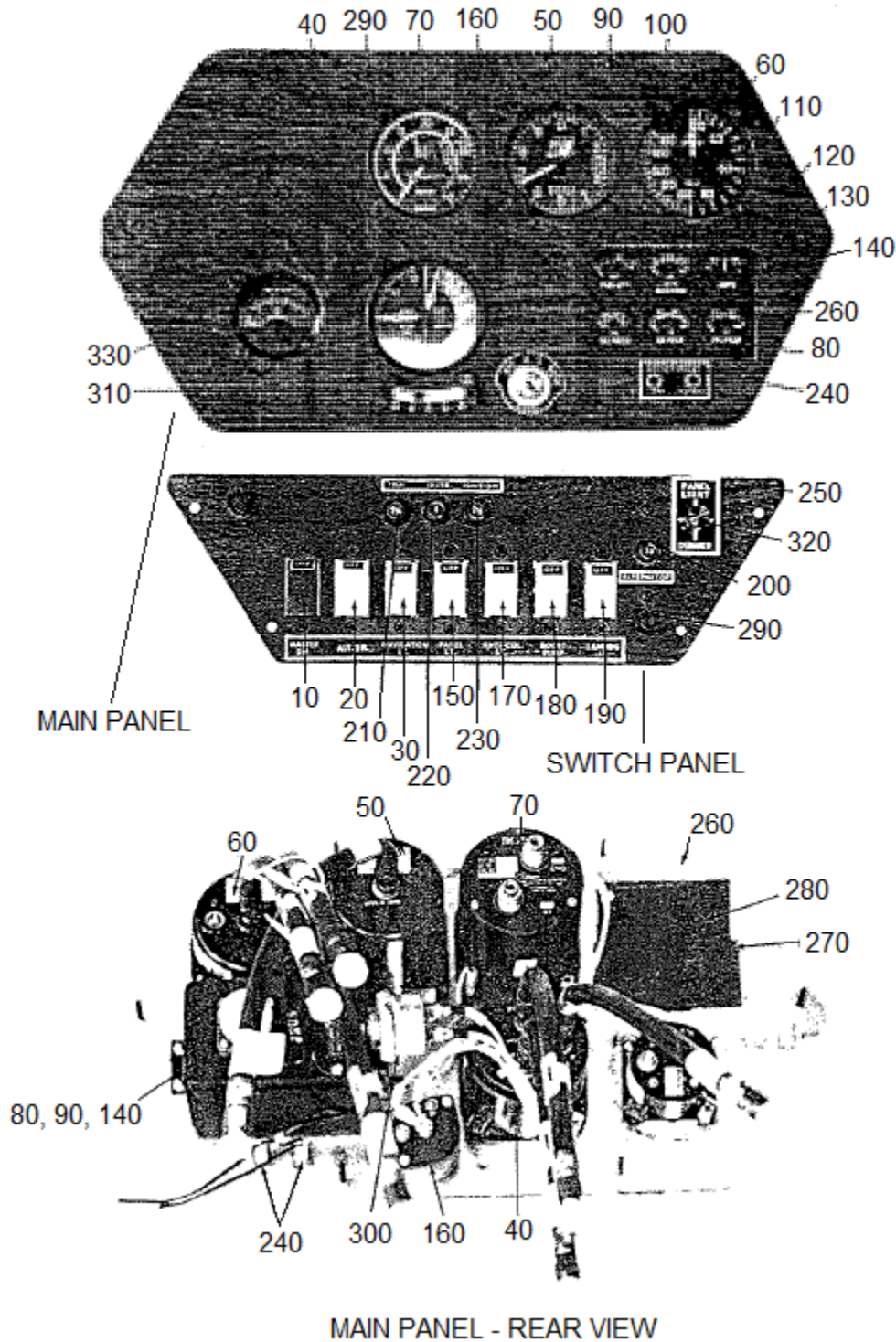


FIGURE 11-2. F-28C INSTRUMENT PANEL INSTALLATION

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FIGURE 11-2. F-28C INSTRUMENT PANEL INSTALLATION

ITEM NUMBER	PART NUMBER	DESCRIPTION	QTY PER ASSY	MODELS AFFECTED						
				F-28A	280	F-28C	280C	F-28F	280F	280FX
—♦∞	28-18050	Instrument Installation	REF			X				
10	TIGM54-1C-RD-A	. Master Switch	1			X				
—10A*	TILA64-1C-RD-A	. Master Switch	1			X				
20	TILA64-1C-WH-A	. Alternator Switch	1			X				
—20A*	TIGM54-1C-WH-A	. Alternator Switch	1			X				
30	20TC2-CA-7.5	. Navigation Light Circuit Breaker Switch	1			X				
40	6312-H69A	. Manifold/Fuel Pressure Gauge	1			X				
50	5934-1	. Altimeter (Inches)	1			X				
—50A▲	5934M	. Altimeter (Millibars)	1			X				
60	8000-B160	. Airspeed (MPH)	1			X				
—60A▲	8000-B332	. Airspeed (Knots)	1			X				
70	65-29B	. Tachometer	1			X				
80	ECD071-11	. Instrument Cluster	1			X				
80	22-169-09-1L	. Instrument Cluster (Replaced by ECD071-11)	1			X				
90	ECD071-3	. . Fuel Quantity Gauge	1			X				
90	169E-910-14-4L	. . Fuel Quantity Gauge (Replaced by ECD071-3)	1			X				
100	ECD071-6	. . Engine Oil Pressure Gauge	1			X				
100	169E-914-1L	. . Engine Oil Pressure Gauge (Replaced by ECD071-6)	1			X				
110	ECD071-4	. . MRGB Oil Temperature Gauge	1			X				
110	169E-910-15L	. . MRGB Oil Temperature Gauge (Replaced by ECD071-4)	1			X				
120	ECD071-7	. . Engine Oil Temperature Gauge	1			X				
120	169E-910-11L	. . Engine Oil Temperature Gauge (Replaced by ECD071-7)	1			X				
130	ECD071-5	. . Ammeter	1			X				
130	169E-909-2L	. . Ammeter (Replaced by ECD071-5)	1			X				

ENSTROM F-28/280 SERIES ILLUSTRATED PARTS CATALOG

FIGURE 11-2. F-28C INSTRUMENT PANEL INSTALLATION

ITEM NUMBER	PART NUMBER	DESCRIPTION	QTY PER ASSY	MODELS AFFECTED						
				F-28A	280	F-28C	280C	F-28F	280F	280FX
140	ECD071-8	. Engine Cylinder Temperature Gauge	1			X				
140	169E-190-12L	. Engine Cylinder Temperature Gauge (Replaced by ECD071-8)	1			X				
150	20TC2-CA-3	. Panel Light Circuit Breaker Switch	1			X				
160	10-357290-1	. Ignition Switch	1			X				
170	20TC2-CA-15	. Anti-Collision Light Circuit Breaker Switch	1			X				
180	20TC2-CA-7.5	. Boost Pump Circuit Breaker Switch	1			X				
190	20TC2-CA-20	. Landing Light Circuit Breaker Switch	1			X				
200	MP-160-012-70	. Alternator Circuit Breaker 70 Amp	1			X				
—*	507-507-101	. Alternator Exciter Circuit Breaker	1			X				
210	507-507-101	. Trim Motor Circuit Breaker 7.5 Amp	1			X				
220	1500-052-1	. Instrument Circuit Breaker 1 Amp	1			X				
230	507-507-101	. Ignition Circuit Breaker 7.5 Amp	1			X				
240	28-18043	. Placard – Fuel Boot	1			X				
–	41EN-G5-2312	. Pressure Warning Indicator Light (Green)	1			X				
–	41EN-G3-2311	. Pressure Warning Indicator Light (Red)	1			X				
250	28-18051-3	. Switch Panel	1			X				
260	28-18049	. Instrument Panel	1			X				
270	28-18036--9	. Filler Plate 3.08" Diameter	A/R			X				
280	222	. Kendall Cloth Tape	A/R			X				
–	C-2400L4VW-AB-RG	. Compass, Airpath	1			X				
–	330	. Compass Bulb	1			X				
–	1592-30	. Scott Outside Air Temperature Gauge	1			X				
290	A8970B-1-330	. Instrument Light	7			X				

ENSTROM F-28/280 SERIES ILLUSTRATED PARTS CATALOG

FIGURE 11-2. F-28C INSTRUMENT PANEL INSTALLATION

ITEM NUMBER	PART NUMBER	DESCRIPTION	QTY PER ASSY	MODELS AFFECTED						
				F-28A	280	F-28C	280C	F-28F	280F	280FX
—	330	. Instrument Light Bulb	7			X				
—	22-370-60	. Shunt, 50 Millivolt	1			X				
300	2904-33	. Oil Pressure Switch	1			X				
310	1040	. Ball Bank Indicator	1			X				
320	KN500B1/8	. Knob	1			X				
—	0110	. Rheostat	1			X				
—**	28-18032-1	. Rheostat	1			X				
330	202A-1A	. EGT Gauge	1			X				
—▲	41EN-G3-2311	. Starter Engaged Warning Light	1			X				
—▲	41EN-G3-2311	. Alternator Discharge Light (Red)	1			X				
—▲	41EN-G3-2313	. Low Fuel Warning Light	1			X				

◆ Information contained herein represents components as installed at the time of manufacture.

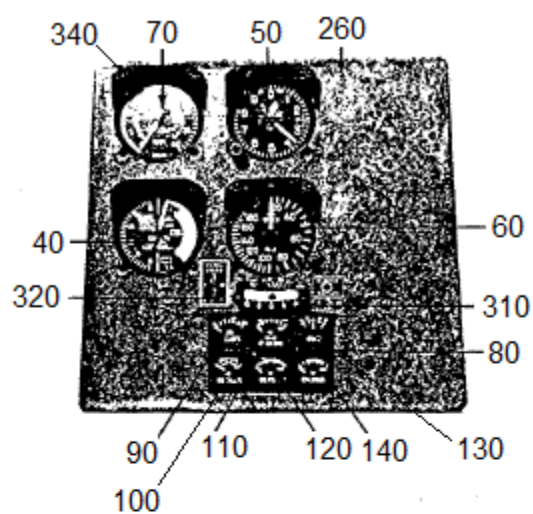
∞ Prior to F-28C-2.

* F-28C S/N 425 and subsequent.

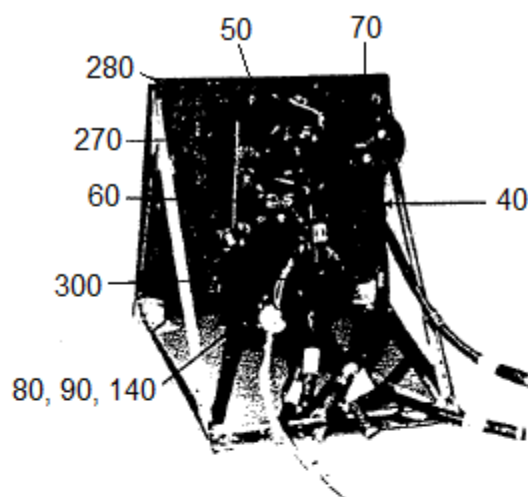
▲ Optional equipment.

** F-28C S/N 457 and subsequent.

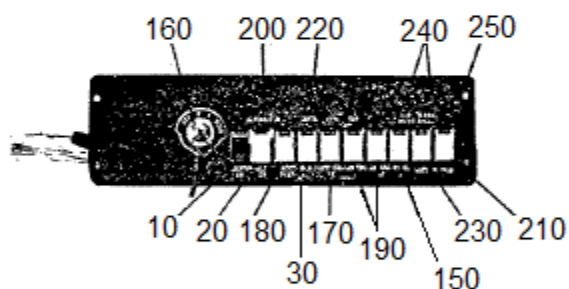
ENSTROM F-28/280 SERIES ILLUSTRATED PARTS CATALOG



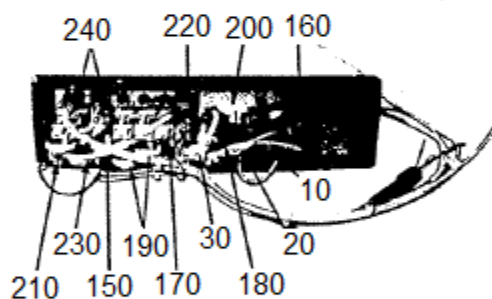
MAIN PANEL - 280



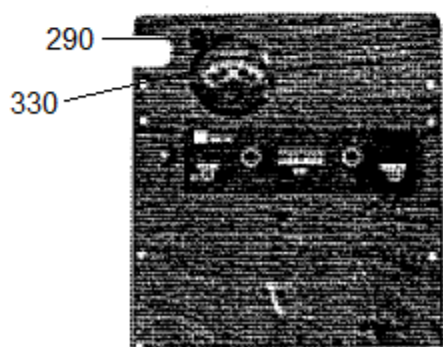
MAIN PANEL - REAR VIEW 280



SWITCH PANEL - 280C



SWITCH PANEL - REAR VIEW 280



LOWER PANEL - 280

FIGURE 11-3. 280C AND 280F INSTRUMENT PANEL INSTALLATION

ENSTROM F-28/280 SERIES ILLUSTRATED PARTS CATALOG

FIGURE 11-3. 280C AND 280F INSTRUMENT PANEL INSTALLATION

ITEM NUMBER	PART NUMBER	DESCRIPTION	QTY PER ASSY	MODELS AFFECTED						
				F-28A	280	F-28C	280C	F-28F	280F	280FX
→	280-180000	Instrument Installation	REF				X		X	
10	TIGM54-1C-RD-A	. Master Switch	1				X		X	
20	TILA64-1C-WH-A	. Alternator Switch	1				X		X	
-20A [∞]	TIGM54-1C-WH-A	. Alternator Switch	1				X		X	
30	20TC2-CA-7.5	. Navigation Light Circuit Breaker Switch	1				X		X	
40	6312-H69A	. Manifold Pressure/Fuel Flow Indicator	1				X			
50	5934	. Altimeter	1				X		X	
60	8000 CODE B251	. Airspeed Indicator	1				X		X	
70	65-29B	. Tachometer	1				X			
80	ECD071-11	. Instrument Panel	1				X			
80	22-169-09-1L	. Instrument Cluster (Replaced by ECD071-11)	1				X			
90	ECD071-3	. . Fuel Quantity Gauge	1				X			
90	169E-910-14-4L	. . Fuel Quantity Gauge (Replaced by ECD071-3)	1				X			
100	ECD071-6	. . Engine Oil Pressure Gauge	1				X			
100	169E-914-1L	. . Engine Oil Pressure Gauge (Replaced by ECD071-6)	1				X			
110	ECD071-4	. . MRGB Oil Temperature Gauge	1				X			
110	169E-910-15L	. . MRGB Oil Temperature Gauge (Replaced by ECD071-4)	1				X			
120	ECD071-7	. . Engine Oil Temperature Gauge	1				X			
120	169E-910-11L	. . Engine Oil Temperature Gauge (Replaced by ECD071-7)	1				X			
130	ECD071-5	. . Ammeter	1				X			
130	169E-909-2L	. . Ammeter (Replaced by ECD071-5)	1				X			
140	ECD071-8	. . Engine Cylinder Temperature Gauge	1				X			
140	169E-910-12L	. . Engine Cylinder Temperature Gauge (Replaced by ECD071-8)	1				X			

ENSTROM F-28/280 SERIES ILLUSTRATED PARTS CATALOG

FIGURE 11-3. 280C AND 280F INSTRUMENT PANEL INSTALLATION

ITEM NUMBER	PART NUMBER	DESCRIPTION	QTY PER ASSY	MODELS AFFECTED						
				F-28A	280	F-28C	280C	F-28F	280F	280FX
150	20TC2-CA-3	. Panel Light Circuit Breaker Switch	1				X		X	
160	10-357290-1	. Ignition Switch	1				X		X	
170	20TC2-CA-5	. Anti-Collision Light Circuit Breaker Switch	1				X		X	
180	20TC2-CA-7.5	. Boost Pump Circuit Breaker Switch	1				X		X	
190	20TC2-CA-20	. Landing Light Circuit Breaker Switch	1				X		X	
200	MP-160-012-70	. Alternator Circuit Breaker 70 Amp	1				X		X	
—	507-507-101	. Alternator Exciter Circuit Breaker	1				X		X	
210	20TC2-CA-7.5	. Trim Motor Circuit Breaker Switch	1				X		X	
220	1500-052-1	. Instrument Circuit Breaker	1				X		X	
230	20TC2-CA-7.5	. Ignition Circuit Breaker Switch	1				X		X	
240	NO NUMBER	. Fuel Pressure Warning System	1				X		X	
—	804-1710-0332-5	. Indicator Light (Green)	1				X		X	
—	803-1710-0331-5	. Indicator Light (Red)	1				X		X	
—	1815	. Bulb	1				X		X	
250	280-180004	. Switch Panel	1				X		X	
260	280-180004-21	. Instrument Panel	1				X		X	
270	28-18036-9	. Filler Plate 3.08" Diameter	A/R				X		X	
280	222	. Kendall Cloth Tape	A/R				X		X	
—	C-2400L4VW-AB-RG	. Compass	1				X		X	
—	1592-30	. Scott Outside Air Temperature Gauge	1				X		X	
290	A8970B-1-330	. Instrument Light	A/R				X		X	
—	330	. Instrument Light Bulb	A/R				X		X	
—	22-370-60	. Shunt, 50 Millivolt	1				X		X	
300	2904-33	. Oil Pressure Switch	1				X		X	
310	1040	. Ball Bank Indicator	1				X		X	

ENSTROM F-28/280 SERIES ILLUSTRATED PARTS CATALOG

FIGURE 11-3. 280C AND 280F INSTRUMENT PANEL INSTALLATION

ITEM NUMBER	PART NUMBER	DESCRIPTION	QTY PER ASSY	MODELS AFFECTED						
				F-28A	280	F-28C	280C	F-28F	280F	280FX
320	KN500B1/8	. Knob	1				X		X	
—	0110	. Rheostat	1				X		X	
—†	28-18082-1	. Rheostat	1				X		X	
330	202A-13BTR	. EGT Gauge	1				X		X	
340	B-4855B-330	. Instrument Light	A/R				X		X	
—*	41EN-G3-2311	. Starter Engaged Warning Light (Red)	1				X		X	
—*	41EN-G3-2311	. Alternator Discharge Light (Red)	1				X		X	
—*	41EN-G3-2313	. Low Fuel Light	1				X		X	
—*	ECD077-11	. Manifold/Fuel Pressure	1				X		X	
—*	ECD078-11	. Pressure Switch	1						X	
—*▲	ECD079-11	. Pressure Switch	1				X			
—*	ECD072-11	. Tachometer	1						X	
—*	ECD071-11	. Instrument Cluster	1						X	
—*	ECD071-3	. . Fuel Quantity Gauge	1						X	
—*	169E-910-14-5L	. . Fuel Quantity Gauge (Replaced by ECD071-3)	1						X	
—*	ECD071-6	. . Engine Oil Pressure Gauge	1						X	
—*	169E-914-2L	. . Engine Oil Pressure Gauge (Replaced by ECD071-6)	1						X	
—*	ECD071-4	. . MRGB Oil Temperature Gauge	1						X	
—*	169E-910-15-1L	. . MRGB Oil Temperature Gauge (Replaced by ECD071-4)	1						X	
—*	ECD071-7	. . Engine Oil Temperature Gauge	1						X	
—*	169E-910-11-3L	. . Engine Oil Temperature Gauge (Replaced by ECD071-7)	1						X	
—*	ECD071-5	. . Ammeter	1						X	
—*	169E-909-3L	. . Ammeter (Replaced by ECD071-5)	1						X	
—*	ECD071-8	. . Engine Cylinder Temperature Gauge	1						X	

ENSTROM F-28/280 SERIES ILLUSTRATED PARTS CATALOG

FIGURE 11-3. 280C AND 280F INSTRUMENT PANEL INSTALLATION

ITEM NUMBER	PART NUMBER	DESCRIPTION	QTY PER ASSY	MODELS AFFECTED						
				F-28A	280	F-28C	280C	F-28F	280F	280FX
—*	169E-910-12-1L	.. Engine Cylinder Temperature Gauge (Replaced by ECD071-8)	1						X	

♦ Information contained herein represents components as installed at the time of manufacture.

∞ 280C and 280F S/N 1149 and subsequent.

† 280C and 280F S/N 1161 and subsequent.

* Optional equipment.

▲ Without pop off valve.

ENSTROM F-28/280 SERIES ILLUSTRATED PARTS CATALOG

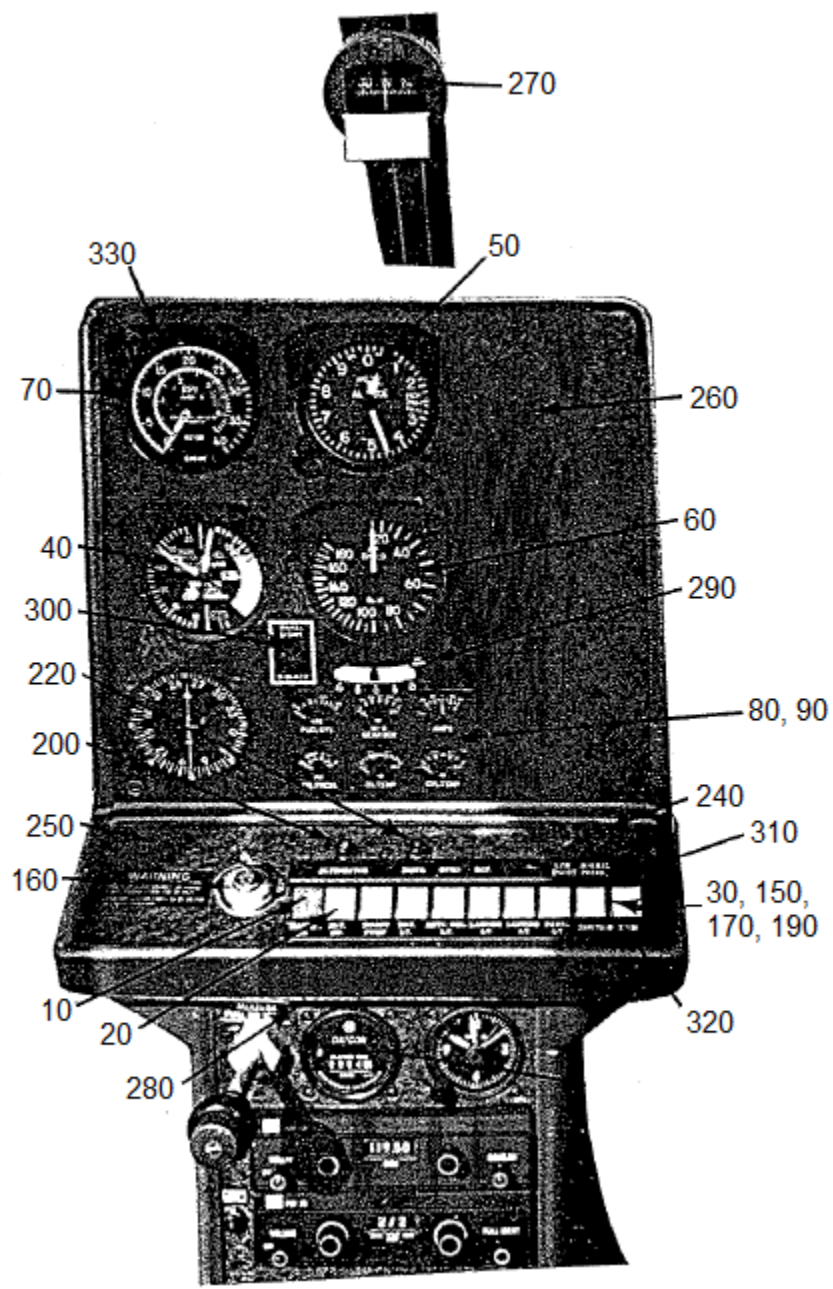


FIGURE 11-4. 280 INSTRUMENT PANEL INSTALLATION

ENSTROM F-28/280 SERIES ILLUSTRATED PARTS CATALOG

FIGURE 11-4. 280 INSTRUMENT PANEL INSTALLATION

ITEM NUMBER	PART NUMBER	DESCRIPTION	QTY PER ASSY	MODELS AFFECTED						
				F-28A	280	F-28C	280C	F-28F	280F	280FX
—*	280-180000	Instrument Installation	REF		X					
10	8134K21A1T50	. Master Switch	1		X					
20	8134K21A1M50	. Alternator Switch	1		X					
30	20TC2-CA-7.5	. Navigation Light Circuit Breaker Switch	1		X					
40	U16082-H61	. Manifold Pressure Gauge	1		X					
—40A	6312-H69	. Manifold Pressure Gauge	1				X			
50	5934	. Altimeter	1		X					
60	8000T	. Airspeed Indicator	1		X					
—60A	8000-B251	. Airspeed Indicator	1				X			
70	65-29AP	. Tachometer	1		X					
—70A	65-29B	. Tachometer	1				X			
80	ECD071-11	. Instrument Cluster	1		X					
80	22-169-09-1L	. Engine Instrument Cluster (Replaced by ECD071-11)	1		X					
90	ECD071-3	. . Fuel Quantity Gauge	1		X					
90	169E-910-14-4L	. . Fuel Quantity Gauge (Replaced by ECD071-3)	1		X					
100	ECD071-6	. . Engine Oil Pressure Gauge	1		X					
100	169E-914-1L	. . Engine Oil Pressure Gauge (Replaced by ECD071-6)	1		X					
110	ECD071-4	. . MRGB Oil Temperature Gauge	1		X					
110	169E-910-15L	. . MRGB Oil Temperature Gauge (Replaced by ECD071-4)	1		X					
120	ECD071-7	. . Engine Oil Temperature Gauge	1		X					
120	169E-910-11L	. . Engine Oil Temperature Gauge (Replaced by ECD071-7)	1		X					
130	ECD071-5	. . Ammeter	1		X					
130	169E-909-2L	. . Ammeter (Replaced by ECD071-5)	1		X					
140	ECD071-8	. . Engine Cylinder Temperature Gauge	1		X					

ENSTROM F-28/280 SERIES ILLUSTRATED PARTS CATALOG

FIGURE 11-4. 280 INSTRUMENT PANEL INSTALLATION

ITEM NUMBER	PART NUMBER	DESCRIPTION	QTY PER ASSY	MODELS AFFECTED						
				F-28A	280	F-28C	280C	F-28F	280F	280FX
140	169E-910-12L	. Engine Cylinder Temperature Gauge (Replaced by ECD071-8)	1		X					
150	20TC2-CA-3	. Panel Light Circuit Breaker	1		X					
160	20TC2-CA-7.5	. Ignition Switch	1		X					
170	20TC2-CA-5	. Anti-Collision Light Circuit Breaker Switch	1		X					
180	20TC2-CA-7.5	. Boost Pump Circuit Breaker Switch	1		X					
190	20TC2-CA-20	. Landing Light Circuit Breaker Switch	1		X					
200	MP-160-012-70	. Alternator Circuit Breaker 70 Amp	1		X					
210	20TC2-CA-7.5	. Trim Motor Circuit Breaker	1		X					
220	1500-052-1	. Instrument Breaker	1		X					
230	20TC2-CA-7.5	. Ignition Circuit Breaker	1		X					
240	804-1710-0332-504	. Fuel Pressure Warning System Indicator Light (Green)	1		X					
—	803-1710-0331-504	. Indicator Light (Red)	1		X					
250	280-180004-19	. Switch Panel	1		X					
260	280-180004-21	. Instrument Panel	1		X					
—	28-18036-10	. Filler Plate	1		X					
—	222	. Kendall Polyken Cloth Tape	A/R		X					
270	C-2400L4VW-AB-RG	. Airpath Compass	1		X					
—	330	. Compass Bulb	A/R		X					
—	1592-30	. Scott Outside Air Temperature Gauge	1		X					
280	A8970B-1-330	. Instrument Light	1		X					
—	330	. Instrument Bulb	A/R		X					
—	22-370-60	. Shunt, 50 Millivolt	1		X					
—	2904-33F5	. Pressure Switch	1		X					
290	1040	. Ball Bank Indicator	1		X					

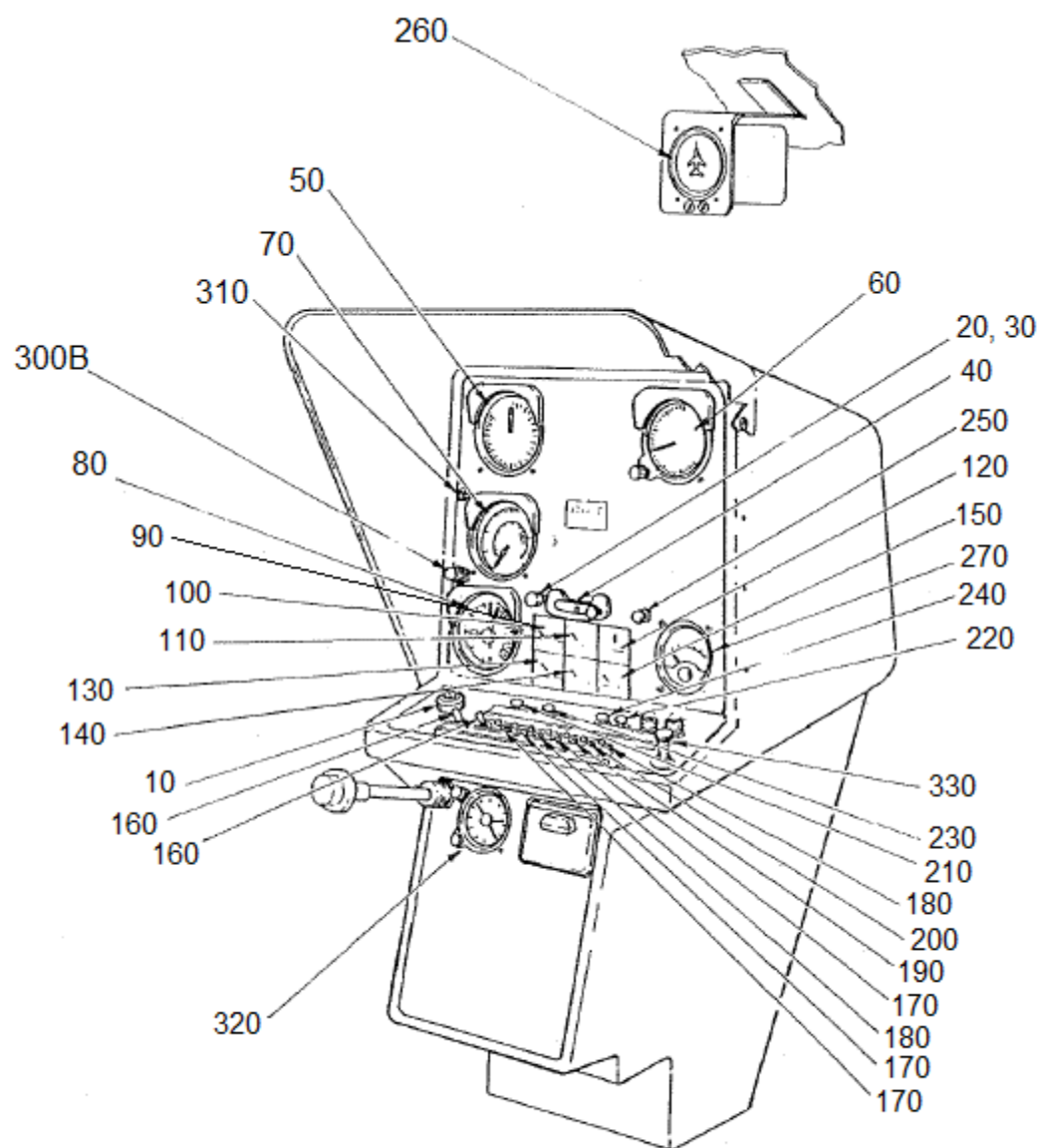
ENSTROM F-28/280 SERIES ILLUSTRATED PARTS CATALOG

FIGURE 11-4. 280 INSTRUMENT PANEL INSTALLATION

ITEM NUMBER	PART NUMBER	DESCRIPTION	QTY PER ASSY	MODELS AFFECTED						
				F-28A	280	F-28C	280C	F-28F	280F	280FX
300	0110	. Rheostat	1		X					
—	KN500B1/8	. Knob	1		X					
—	35-140-A	. EGT Gauge	1		X					
—	202A-1ATR	. EGT Gauge	1		X					
310	280-180005-2	. Panel Light (Upper)	1		X					
320	280-180005-1	. Panel Light (Lower)	1		X					
330	B-4855B-330	. Eyebrow Light	A/R		X					

* Information contained herein represents components as installed at the time of manufacture.

ENSTROM F-28/280 SERIES ILLUSTRATED PARTS CATALOG

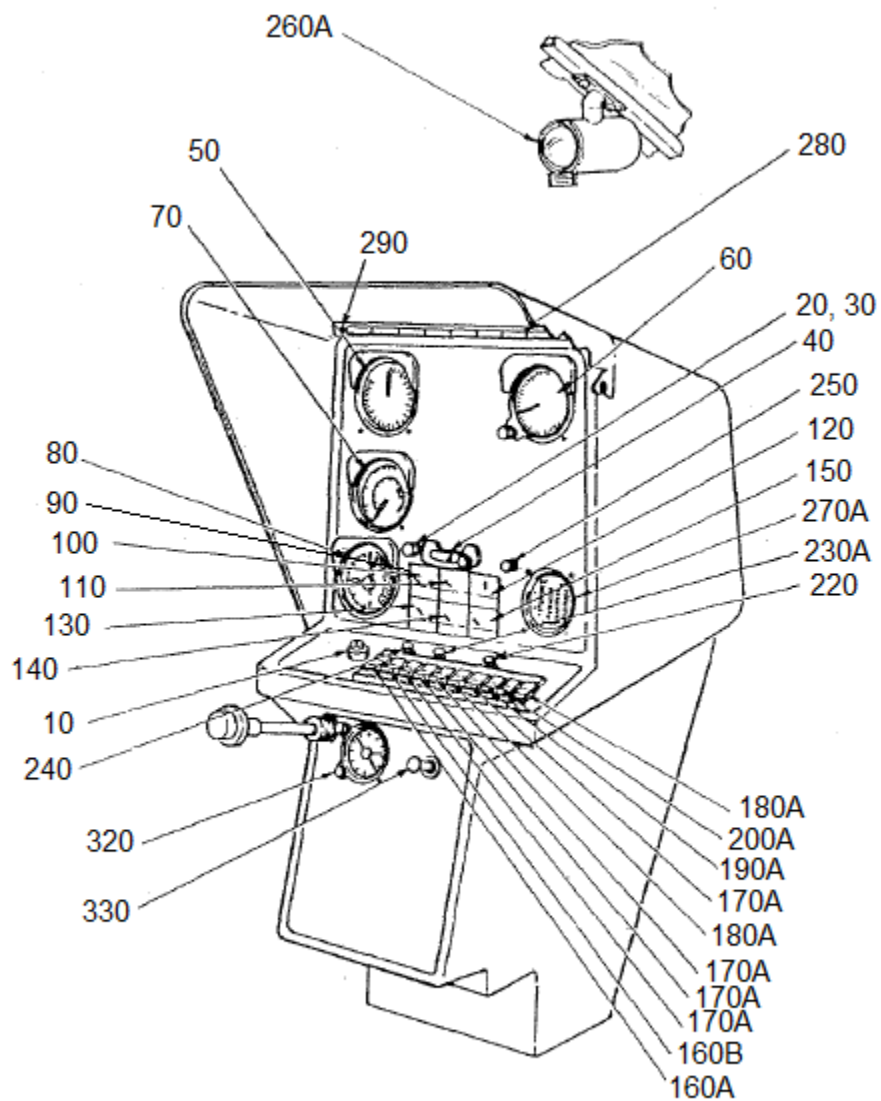


F-28F INSTRUMENT PANEL INSTALLATION (12V)

Sheet 1 of 2

FIGURE 11-5. F-28F AND 280FX INSTRUMENT PANEL INSTALLATION (12V)

ENSTROM F-28/280 SERIES ILLUSTRATED PARTS CATALOG



280FX INSTRUMENT PANEL INSTALLATION (12V)

Sheet 2 of 2

FIGURE 11-5. F-28F AND 280FX INSTRUMENT PANEL INSTALLATION (12V)

ENSTROM F-28/280 SERIES ILLUSTRATED PARTS CATALOG

FIGURE 11-5. F-28F AND 280FX INSTRUMENT PANEL INSTALLATION (12V)

ITEM NUMBER	PART NUMBER	DESCRIPTION	QTY PER ASSY	MODELS AFFECTED						
				F-28A	280	F-28C	280C	F-28F	280F	280FX
–	28-18099-101	Instrument Panel 280FX Wide 12V	REF						X	X
–	28-18099-111	Instrument Panel F28F Wide 12V	REF					X		
–	28-18099-119	Instrument Panel F28F Narrow 12V	REF					X		
–	28-18099-125	Instrument Panel 280FX Narrow 12V	REF						X	X
10	10-357290-1	. Ignition Switch	1					X	X	X
20	28-18082-9	. Panel Dimmer Control	1					X	X	X
30	KN500B1/8	. Knob	1					X	X	X
40	1040	. Ball Bank Indicator	1					X	X	X
–	MS35214-30	. Screw	1					X	X	X
–	AN515B-6-R14	. Screw (Superseded by MS35214-30)	1					X	X	X
–	NAS1149FN616P	. Washer (Alternate)	1					X	X	X
–	AN960-6L	. Washer	1					X	X	X
–	MS35338-41	. Washer (Alternate)	1					X	X	X
–	AN935-6	. Lock Washer	1					X	X	X
–	MS35649-262	. Nut	1					X	X	X
–	AN340-632	. Nut (Superseded by MS35649-262)	1					X	X	X
–▼	A8970B-1-330	. Post Light (Clear)	1					X	X	X
–	28-19031	Electrical Final Assembly	REF					X	X	X
–	28-22344-5	. Hour Meter Installation	1					X	X	X
–	T14BH517BC	. . Hour Meter 8-32V	1					X	X	X
–	773-4/50 VDC	. . Hour Meter (Superseded by T14BH517BC)	1					X		
–	773-8/50 VDC	. . Hour Meter (Superseded by T14BH517BC)	1						X	X
–	2716-00	. Outside Air Temp.	1					X	X	X
–	1592-30	. Outside Air Temp. (Superseded by 2716-00)	1					X	X	X
50	8000-B.852	. Airspeed Indicator (Narrow)	1					X		

ENSTROM F-28/280 SERIES ILLUSTRATED PARTS CATALOG

FIGURE 11-5. F-28F AND 280FX INSTRUMENT PANEL INSTALLATION (12V)

ITEM NUMBER	PART NUMBER	DESCRIPTION	QTY PER ASSY	MODELS AFFECTED						
				F-28A	280	F-28C	280C	F-28F	280F	280FX
50	8000 B.786	. Airspeed Indicator (Narrow) (Alternate to 8000-B.852)	1					X		
50	8000-B160	. Airspeed Indicator (Superseded by 8000-B.852)	1					X		
50A	8000-B.853	. Airspeed Indicator (Narrow)	1						X	X
50B	8000-B251	. Airspeed Indicator (Superseded by 8000-B.852 and 8000-B.853)	1					X	X	X
60	5934PD-3-A.253	. Altimeter	1					X	X	X
60	UI-5934-1	. Altimeter (Superseded by 5934PD-3-A.253)	1					X	X	X
70	ECD072-11	. Tachometer	1					X	X	X
80	ECD077-11	. Manifold Pressure	1					X	X	X
90	ECD071-11	. Instrument Cluster (Lighted)	1					X	X	X
100	ECD071-3	. . Fuel Quantity Gauge	1					X	X	X
110	ECD071-4	. . Oil Temp MRGB Gauge	1					X	X	X
120	ECD071-5	. . Ammeter Gauge	1					X	X	X
130	ECD071-6	. . Engine Oil Pressure Gauge	1					X	X	X
140	ECD071-7	. . Engine Oil Temperature Gauge	1					X	X	X
150	ECD071-8	. . Cylinder Temperature Gauge	1					X	X	X
-	B-4855B-330	. Eyebrow Light	4					X	X	X
-	330	. Bulb	A/R					X	X	X
-▼△	803-1710-0331- 504	. Indicator Light (Red)	A/R					X	X	
-◇	804-1710-0332- 504	. Indicator Light (Green)	A/R					X	X	
-	1815	. Bulb	A/R					X	X	X
160	12TS15-2	. Toggle Switch	2					X		
160	12T35-2	. Master Switch (Toggle) (Superseded by 12TS15-2)	1					X		
160A	TIGK54-1S-RD-A	. Master Switch (Rocker)	1						X	X
160B	TIGK54-1S-WH-A	. Alternator Switch (Rocker)	1						X	X
170	7270-1-7 1/2	. Circuit Breaker Switch (7.5A)	3					X		
170A	20TC2-CA-7.5	. Circuit Breaker (7.5A)	4						X	

ENSTROM F-28/280 SERIES ILLUSTRATED PARTS CATALOG

FIGURE 11-5. F-28F AND 280FX INSTRUMENT PANEL INSTALLATION (12V)

ITEM NUMBER	PART NUMBER	DESCRIPTION	QTY PER ASSY	MODELS AFFECTED						
				F-28A	280	F-28C	280C	F-28F	280F	280FX
180	7270-1-5	. Circuit Breaker (5A)	2					X		
180A	20TC2-CA-5	. Circuit Breaker (5A)	2						X	X
190	7270-1-3	. Circuit Breaker (3A)	1					X		
190A	20TC2-CA-3	. Circuit Breaker (3A)	1						X	X
200	7270-1-20	. Circuit Breaker (20A)	1					X		
200A	20TC2-CA-20	. Circuit Breaker (20A)	1						X	X
210	MP-160-012-70	. Circuit Breaker Switch (70A)	1					X	X	X
220	MS26574-7 1/2	. Circuit Breaker (12V)	1					X	X	X
220	507-507-101 (7.5A)	. Circuit Breaker (Alt. Exciter) (Superseded by MS26574-7 1/2)	1					X	X	X
230	MS26574-2 1/2	. Circuit Breaker (2 1/2A)	1					X	X	
230	1500-052-205	. Circuit Breaker (2.5A) (Superseded by MS26574-2 1/2)	1					X	X	
230A	1500-052-1	. Circuit Breaker (1A)	1							X
240	MS26574-20	. Circuit Breaker (20A)	1					X	X	X
240	700-001-20	. Circuit Breaker (20A) (Superseded by MS26574-20)	1					X	X	X
250*	1500-052-2	. Circuit Breaker (Alternate)	1					X	X	X
250	3MC1-3-2	. Buss Fault Circuit Breaker	1					X	X	X
—	28-18084-5	Magnetic Compass Instl.	REF					X		
260	PAI-700	. Compass	1					X		
260	H1-400-14	. Compass (Obsolete)	1					X		
—	28-19032	Magnetic Compass Instl.	REF						X	X
260A	C2400L4VWAB-RG	. Compass	1						X	X
—▲	28-18091-1	. ID Panel Assembly (Lower)	1					X		
—▲◆	28-18091-103	. ID Panel Assembly (Lower)	1					X		
—▲	28-18091-107	. ID Panel Assembly (Lower)	1					X		
—	28-18091-133	. ID Panel Assembly (Lower)	1					X		
—	28-18069-21	. Illuminated Panel (Lower) (Narrow)	1					X	X	X
—▲	28-18091-5	. ID Panel Assembly (Lower)	1						X	X

ENSTROM F-28/280 SERIES ILLUSTRATED PARTS CATALOG

FIGURE 11-5. F-28F AND 280FX INSTRUMENT PANEL INSTALLATION (12V)

ITEM NUMBER	PART NUMBER	DESCRIPTION	QTY PER ASSY	MODELS AFFECTED						
				F-28A	280	F-28C	280C	F-28F	280F	280FX
—▲	28-18091-3	. ID Panel Assembly (Upper)	1					X		
—▲◆	28-18091-101	. ID Panel Assembly (Upper)	1					X		
—▲	28-18091-105	. ID Panel Assembly (Upper)	1					X		
—▲	28-18091-109	. ID Panel Assembly (Upper)	1					X		
—▲	28-18091-111	. ID Panel Assembly (Upper)	1							X
—▲	28-18091-113	. ID Panel Assembly (Upper)	1						X	
—	28-18091-131	. ID Panel Assembly (Upper)	1					X		
—	28-18069-19	. Illuminated Panel (Upper) (Narrow)	1					X	X	X
—	22-370-60	. Shunt (50 M.V.)	1					X	X	X
—	2335-265-1	. Oil Pressure Switch	1					X	X	X
—	2904-33	. Oil Pressure Switch (Replaced by 2335-265-1)	1					X	X	X
—	ECD078-11	. Pressure Switch (Overboost)	1					X	X	X
—	28-18036-9	. Filler Plate	A/R					X	X	X
—	28-18036-10	. Filler Plate	A/R					X	X	X
—	222	. Cloth Tape	A/R					X	X	X
270∞	202A-13BTR	. E.G.T.	1					X	X	X
270A∞	28-01026-3	. Graphic Engine Monitor (603)	1					X	X	X
270B†	28-01026-1	. Graphic Engine Monitor (602)	1					X	X	X
280	28-19045-1	. Annunciator Panel	1							X
280A	28-19045-3	. Annunciator Panel	1							X
280B	28-19045-5	. Annunciator Panel	1							X
280C	28-19045-7	. Annunciator Panel	1					X		
280D	28-19045-9	. Annunciator Panel	1							X
290	30-1UL	. . Test Switch	1					X		X
300	28-18095-1	. Overboost Installation	1					X		X
300A	28-18095-3	. Overboost Installation	1					X		X
300B	28-18095-6	. Overboost Installation	1					X	X	X
310	MS25331-8	. . Light Assembly (Used with 28- 18095-1 and 28-18095-3)	1					X	X	X

ENSTROM F-28/280 SERIES ILLUSTRATED PARTS CATALOG

FIGURE 11-5. F-28F AND 280FX INSTRUMENT PANEL INSTALLATION (12V)

ITEM NUMBER	PART NUMBER	DESCRIPTION	QTY PER ASSY	MODELS AFFECTED						
				F-28A	280	F-28C	280C	F-28F	280F	280FX
320†	W33-7516-10ET-1	. Clock – 8 Day	1					X	X	X
330†	L-141C	. Cigarette Lighter	1					X	X	X
–†	41EN-G3-2311	. Indicator Light (Red)	2					X	X	X
–†	41EN-G3-2313	. Indicator Light (Amber)	1	X	X	X	X	X	X	X

▼ Preferred replacement part.

△ Not used on F-28F with annunciator panel.

◇ Not used on new F-28F and 280F models.

* Use 1500-052-2 circuit breaker as an acceptable alternate from F-28F S/N 509 to S/N 814 and 280FX S/N 2001 to S/N 2091.

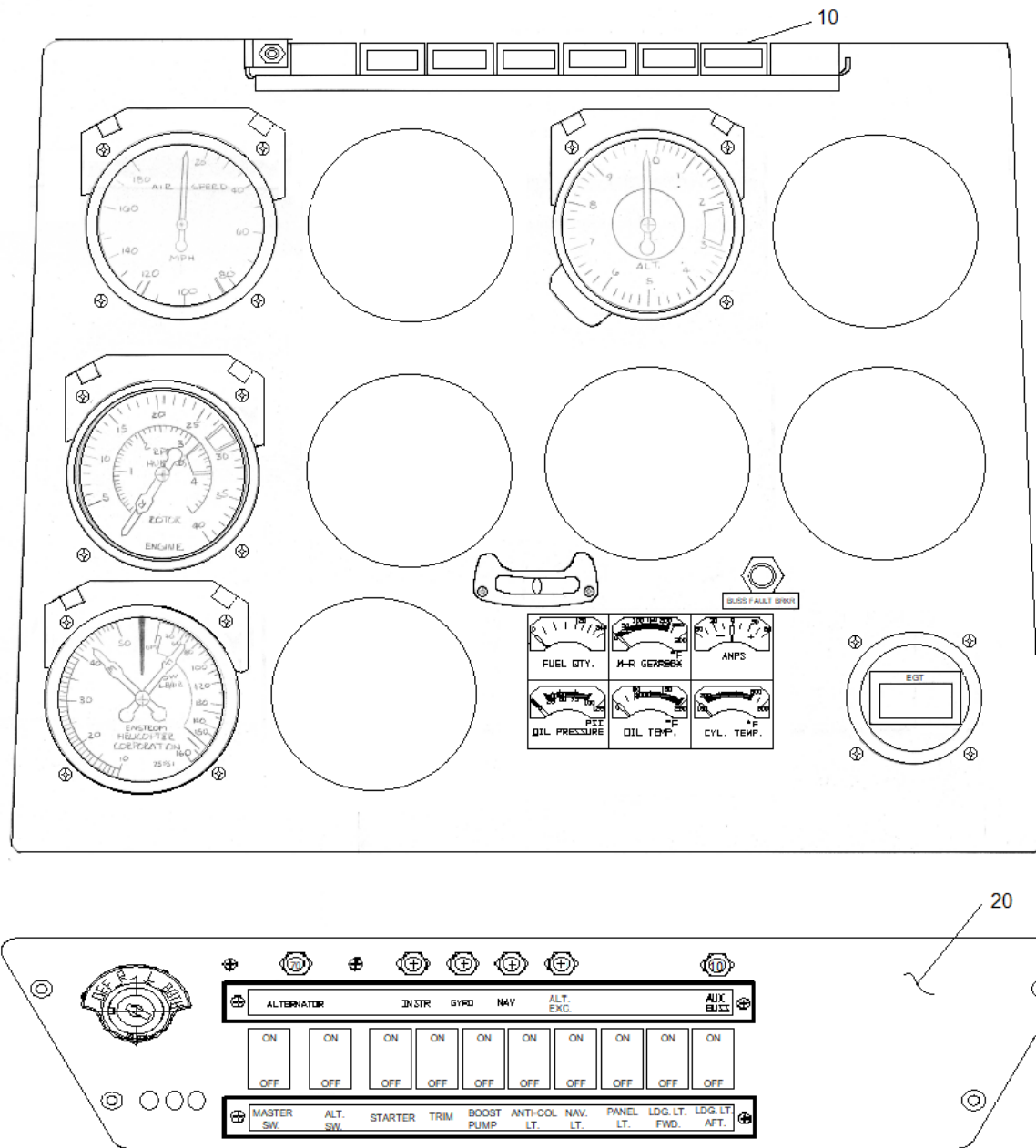
◆ Right hand pilot controls only.

▲ Customer Service use only.

∞ E.G.T. or Graphic Engine Monitor to be installed per customer order.

† Customer option.

ENSTROM F-28/280 SERIES ILLUSTRATED PARTS CATALOG

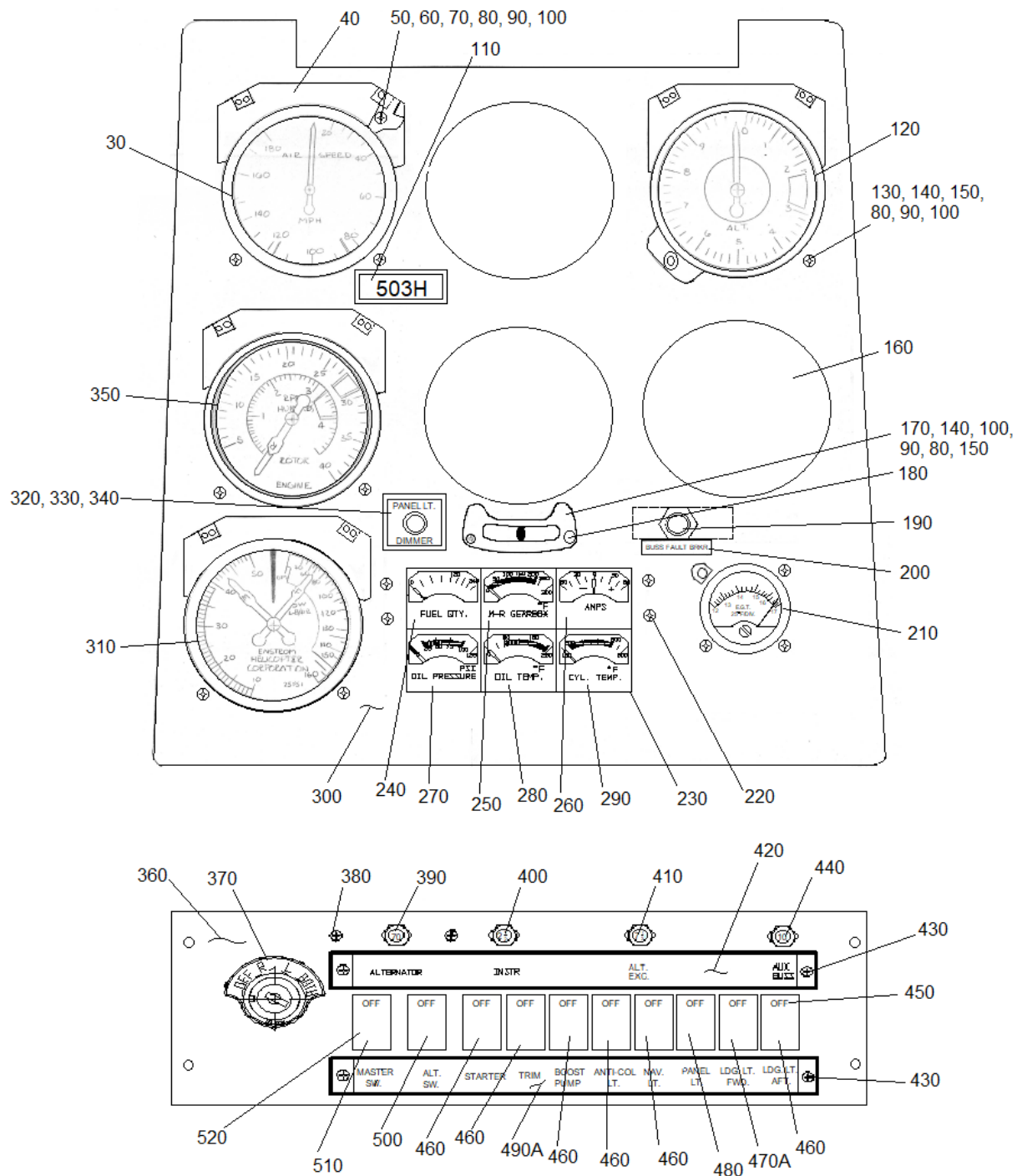


WIDE PANEL CONFIGURATION

Sheet 1 of 2

FIGURE 11-6. F-28F AND 280FX INSTRUMENT PANEL INSTALLATION (24V)

ENSTROM F-28/280 SERIES ILLUSTRATED PARTS CATALOG



NARROW PANEL CONFIGURATION

Sheet 2 of 2

FIGURE 11-6. F-28F AND 280FX INSTRUMENT PANEL INSTALLATION (24V)

ENSTROM F-28/280 SERIES ILLUSTRATED PARTS CATALOG

FIGURE 11-6. F-28F AND 280FX INSTRUMENT PANEL INSTALLATION (24V)

ITEM NUMBER	PART NUMBER	DESCRIPTION	QTY PER ASSY	MODELS AFFECTED						
				F-28A	280	F-28C	280C	F-28F	280F	280FX
–	28-18099-3	Instrument Installation 24V (Wide)	REF					X		X
–	28-18099-7	Instrument Installation 24V (Narrow)	REF					X		X
10	28-19041	. Annunciator System	1					X		X
20	28-18156-1	. Switch Panel F-28F (Wide)	1					X		
–20A	28-18156-3	. Switch Panel 280FX (Wide)	1							X
30	8000-B251	. Airspeed Indicator	1					X		X
40	B-4855B-330	. Grimes Lt.	4					X		X
50	MS35214-29	. Screw	4					X		X
50	AN515B-6-R12	. Screw (Superseded by MS35214-29)	4					X		X
60	MS35214-31	. Screw	4					X		X
60	AN515B-6-R16	. Screw (Superseded by MS35214-31)	4					X		X
70	A8943-632-493	. Nut	6					X		X
80	MS35649-262	. Nut	5					X		X
80	AN340-632	. Nut (Superseded by MS35649-262)	5					X		X
90	MS35338-41	. Washer (Alternate)	5					X		X
90	AN935-6	. Lock Washer	5					X		X
100	NAS1149FN616P	. Washer (Alternate)	5					X		X
100	AN960-6L	. Washer	5					X		X
110	28-180020-11	. Registration I.D. Panel	1					X		X
120	UI5934-3	. Altimeter	1					X		X
130	MS35214-109	. Screw	4					X		X
130	AN515B-6-R18	. Screw (Superseded by MS35214-109)	4					X		X
140	MS35214-30	. Screw	3					X		X
140	AN515B-6-R14	. Screw (Superseded by MS35214-30)	3					X		X
150	A8944-632-493	. Nut	2					X		X
160	280-180004-25	. Plug	3					X		X

ENSTROM F-28/280 SERIES ILLUSTRATED PARTS CATALOG

FIGURE 11-6. F-28F AND 280FX INSTRUMENT PANEL INSTALLATION (24V)

ITEM NUMBER	PART NUMBER	DESCRIPTION	QTY PER ASSY	MODELS AFFECTED						
				F-28A	280	F-28C	280C	F-28F	280F	280FX
170	1040	. Ball Bank Indicator	1					X		X
180	A8970B-1-330	. Post Lt.	1					X		X
*190	1500-052-2	. Circuit Breaker (Alternate)	1					X		X
190	3MC1-3-2	. Circuit Breaker	1					X		X
200	28-18081-11	. Placard	1					X		X
210	28-181005-1	. Turbine Inlet Installation	1					X		X
220	MS35214-25	. Screw	4					X		X
220	AN515B-6-R6	. Screw (Superseded by MS35214-25)	4					X		X
230	ECD071-15	. Instrument Panel	1					X		X
230	ECD071-11	. Instrument Cluster (Superseded by ECD071-15)	1					X		X
240	ECD071-103	. . Fuel Qty. Gauge	1					X		X
250	ECD071-104	. . Oil Temp. MRGB Gauge	1					X		X
260	ECD071-105	. . Ammeter Gauge	1					X		X
270	ECD071-106	. . Eng. Oil Press. Gauge	1					X		X
280	ECD071-107	. . Eng. Oil Temp. Gauge	1					X		X
290	ECD071-108	. . Cylinder Temp. Gauge	1					X		X
300	280-180003-3	. Chassis Assembly	1					X		X
310	ECD077-11	. Man./Fuel Pressure Gauge	1					X		X
320	28-18082-9	. Panel Dimmer Control	1					X		X
330	28-22501-11	. Placard	1					X		X
340	KN500B1/8	. Knob	1					X		X
350	ECD072-11	. Tachometer	1					X		X
360	28-180004-5	. Panel Assembly	1					X		X
370	10-357290-1	. Ignition Switch	1					X		X
380	MS35214-26	. Screw	2					X		X
380	AN515B-6-R7	. Screw (Superseded by MS35214-26)	2					X		X
390	MP-160-012-70	. Circuit Breaker (70A)	1					X		X
−390A	MP-160-012-100	. Circuit Breaker (100A) (Narrow)	1					X		X

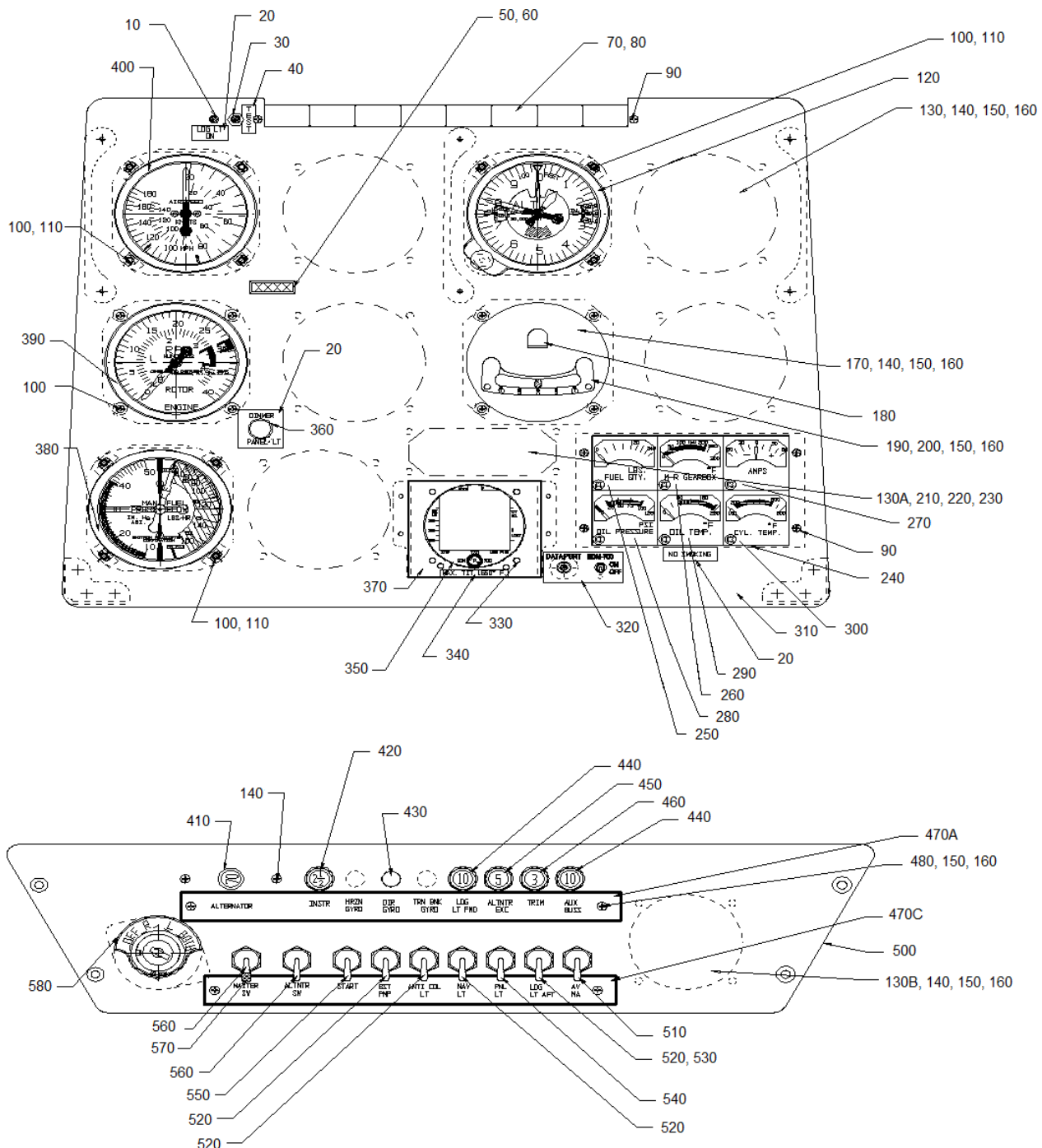
ENSTROM F-28/280 SERIES ILLUSTRATED PARTS CATALOG

FIGURE 11-6. F-28F AND 280FX INSTRUMENT PANEL INSTALLATION (24V)

ITEM NUMBER	PART NUMBER	DESCRIPTION	QTY PER ASSY	MODELS AFFECTED						
				F-28A	280	F-28C	280C	F-28F	280F	280FX
400	1500-052-205	. Circuit Breaker	1					X		X
410	MS25244-5	. Circuit Breaker	1					X		X
410	1500-056-3	. Circuit Breaker (3A) (Superseded by MS25244-5)	1					X		X
420	28-18091-123	. Upper I.D. Panel Assembly	1							X
430	MS24693-BB26	. Screw	20					X		X
430	AN507-B-632-R6	. Screw (Superseded by MS24693- BB26)	20					X		X
440	700-001-10	. Circuit Breaker	1					X		X
450	28-18052-1	. Placard	10					X		X
460	20TC2-CA-5	. Circuit Breaker Switch (5A)	1					X		X
-460A	20TC2-CA-7.5	. Circuit Breaker Switch (7.5A)	6					X		X
470	20TC2-CA-20	. Circuit Breaker Switch (20A)	1					X		X
-470A	20TC2-CA-10	. Circuit Breaker Switch (10A) (Narrow)	1					X		X
480	20TC2-CA-3	. Circuit Breaker Switch (3A)	1					X		X
490	28-18091-5	. Lower I.D. Panel Assembly	1					X		X
-490A	28-18091-121	. Lower I.D. Panel Assembly (Narrow)	1					X		X
500	TIGK54-15-WH-A	. Switch	1					X		X
510	TIGK54-15-RD-A	. Switch	1					X		X
520	28-18053-1	. Placard	10					X		X

* Use 1500-052-2 circuit breaker as an acceptable alternate from F-28F S/N 509 to S/N 814 and 280FX S/N 2001 to S/N 2091.

ENSTROM F-28/280 SERIES ILLUSTRATED PARTS CATALOG

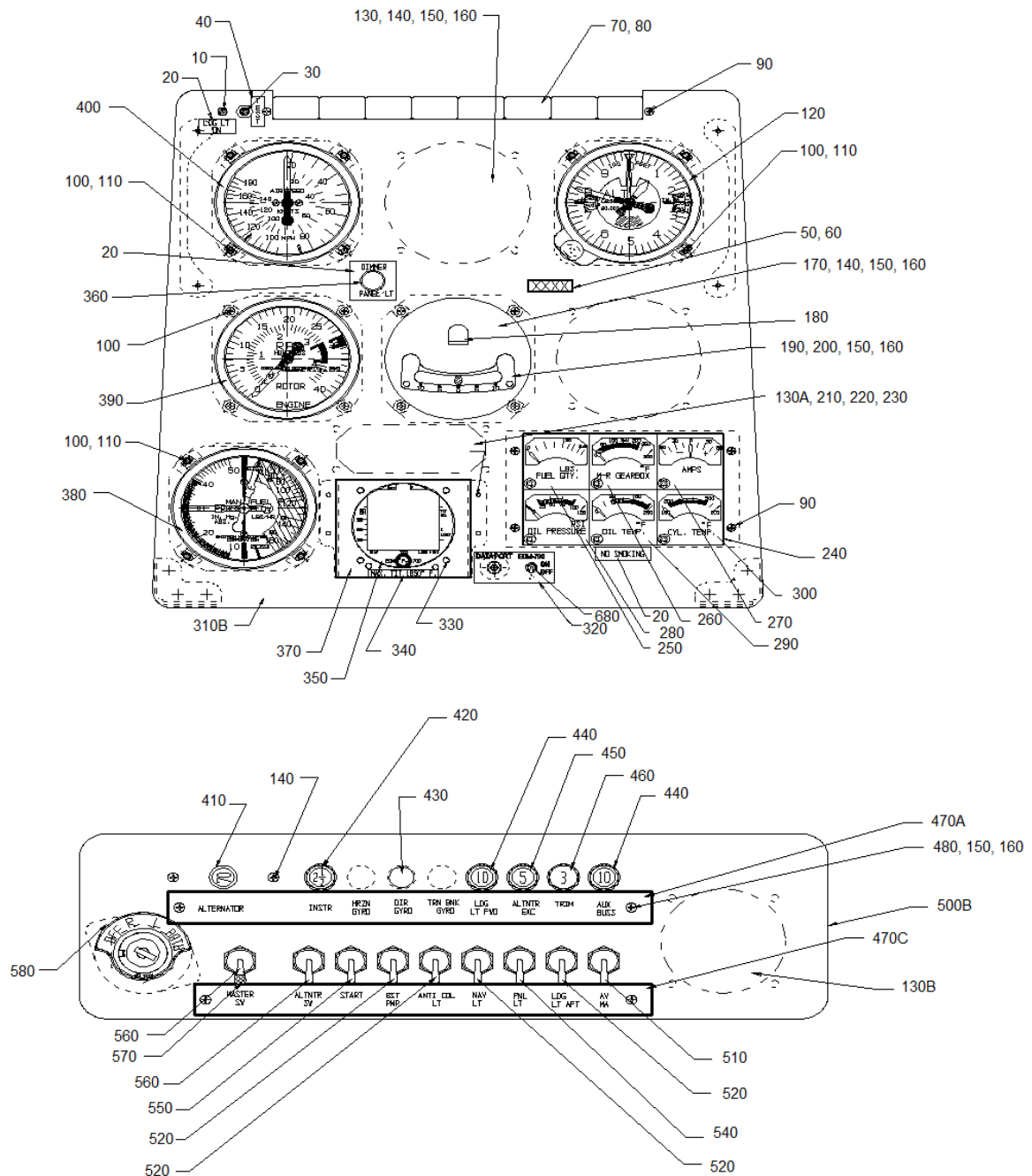


F-28F: S/N 833 AND SUBSEQUENT

Sheet 1 of 4

FIGURE 11-7. F-28F INSTRUMENT PANEL INSTALLATION (24V)

ENSTROM F-28/280 SERIES ILLUSTRATED PARTS CATALOG

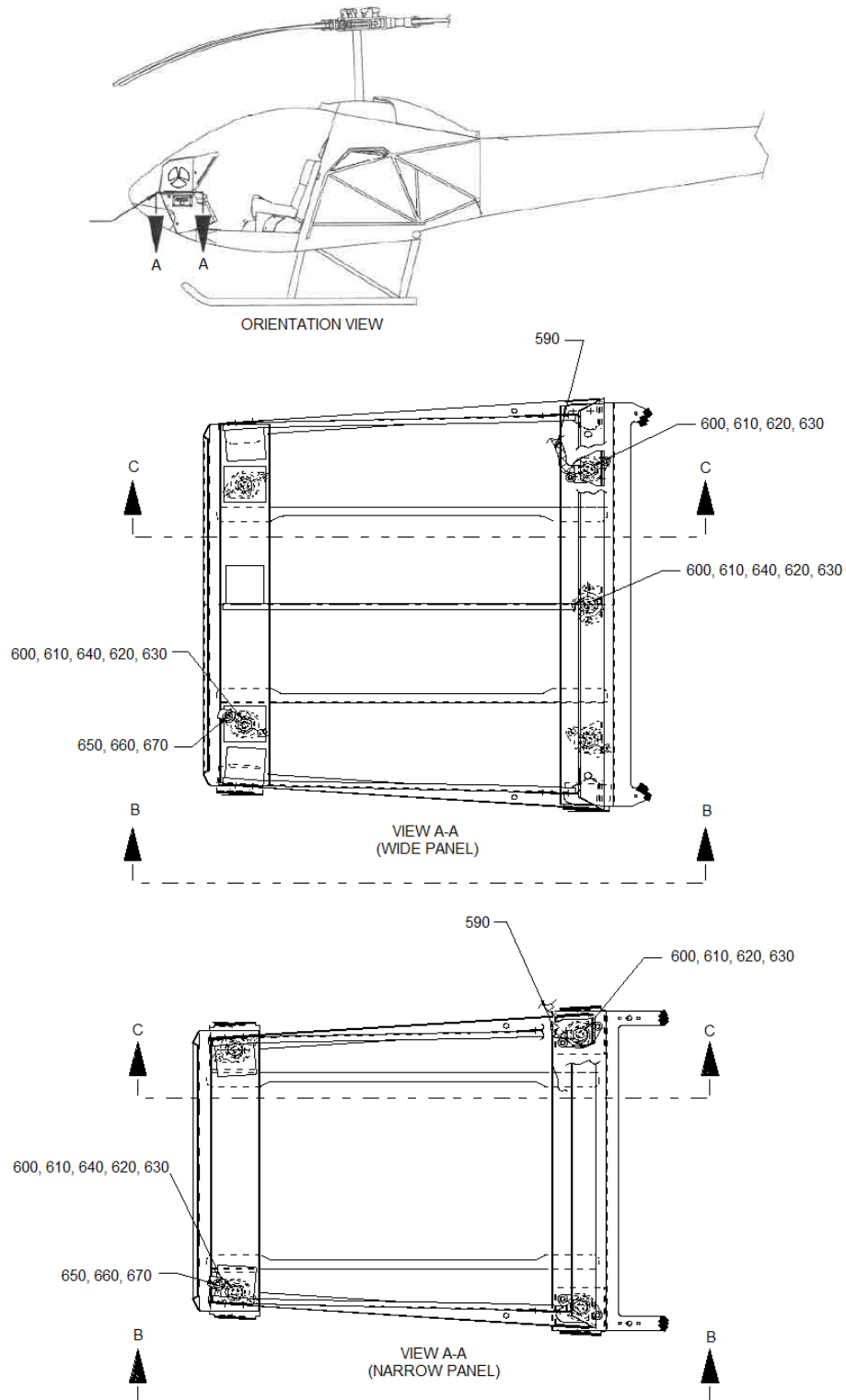


F-28F: S/N 833 AND SUBSEQUENT

Sheet 2 of 4

FIGURE 11-7. F-28F INSTRUMENT PANEL INSTALLATION (24V)

ENSTROM F-28/280 SERIES ILLUSTRATED PARTS CATALOG

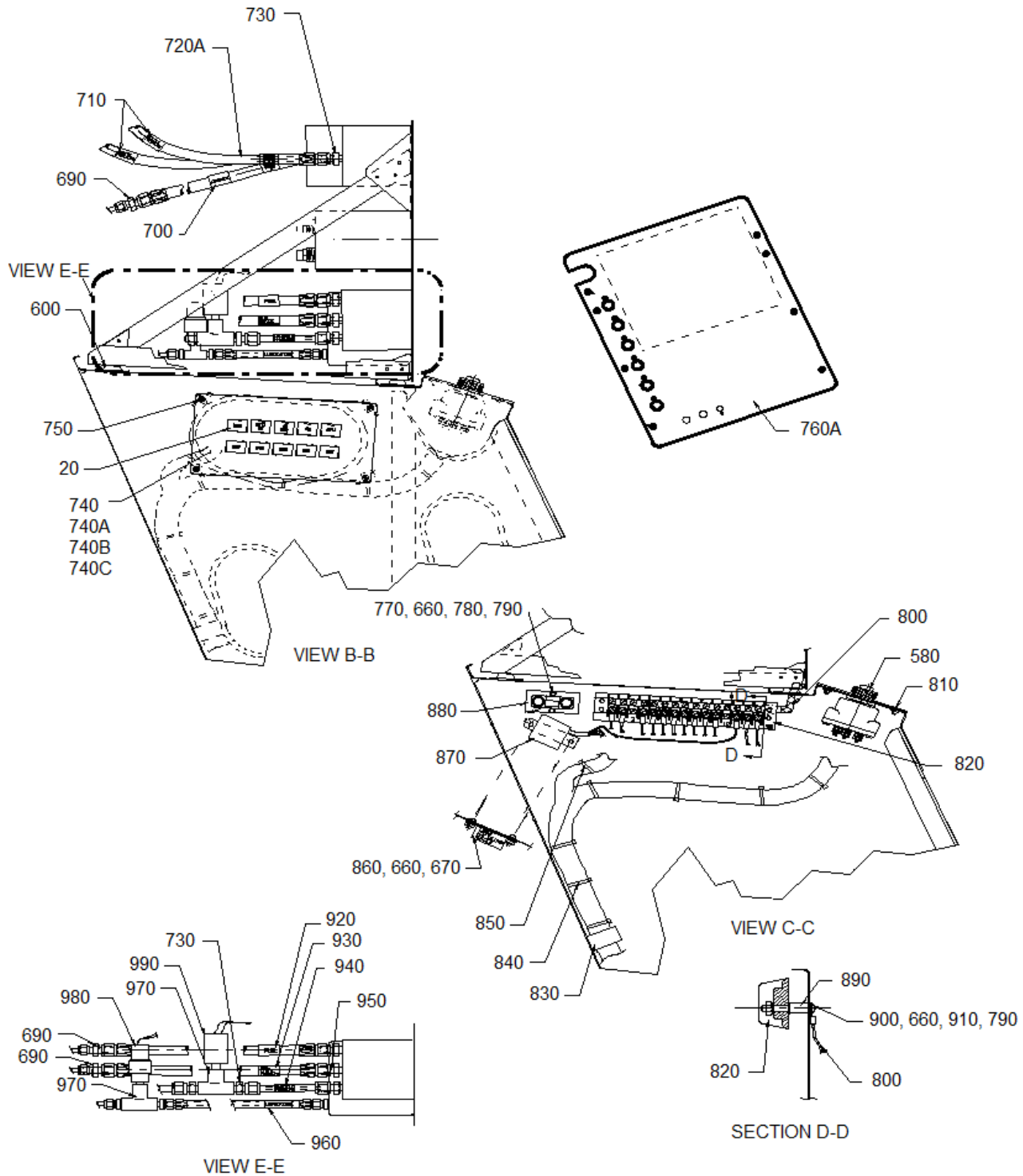


F-28F: S/N 833 AND SUBSEQUENT

Sheet 3 of 4

FIGURE 11-7. F-28F INSTRUMENT PANEL INSTALLATION (24V)

ENSTROM F-28/280 SERIES ILLUSTRATED PARTS CATALOG



F-28F: S/N 833 AND SUBSEQUENT

Sheet 4 of 4

FIGURE 11-7. F-28F INSTRUMENT PANEL INSTALLATION (24V)

ENSTROM F-28/280 SERIES ILLUSTRATED PARTS CATALOG

FIGURE 11-7. F-28F INSTRUMENT PANEL INSTALLATION (24V)

ITEM NUMBER	PART NUMBER	DESCRIPTION	QTY PER ASSY	MODELS AFFECTED						
				F-28A	280	F-28C	280C	F-28F	280F	280FX
–	28-18099-157	Instrument Installation 24V (Wide)	REF					X		
–	28-18099-169	Panel Assembly 24V (Wide)	REF					X		
–	28-18099-149	Instrument Installation 24V (Narrow)	REF					X		
–	28-18099-161	Panel Assembly 24V (Narrow) (Alternate to 28-18099-165)	REF					X		
–	28-18099-165	Panel Assembly 24V (Narrow)	REF					X		
10	28-19027-13	. LED Indicator Light Assy	1					X		
20	28-19064-1	. Placard	1					X		
30	30-1UL	. Switch	1					X		
40	28-19046-11	. Placard	1					X		
50	28-180020-11	. I.D. Panel	1					X		
60	Y9485	. Tape	A/R					X		
70	ECD089-3	. Light Assembly Annunciator	1					X		
80	327	. Lamp 24V	16					X		
90	MS35214-25	. Screw	6					X		
100	MS35214-31	. Screw	15					X		
110	MS33737-16C	. Instrument Mounting Nut	11					X		
120	5934PD-3-A.253	. Altimeter	1					X		
130	28-18060-11	. Cover	5					X		
130A	28-18060-13	. Cover	1					X		
130B	28-18060-15	. Cover	1					X		
140	MS35214-26	. Screw	30					X		
150	NAS1149FN616P	. Washer	30					X		
160	MS21083N06	. Nut	30					X		
170*	4196603-23	. Plug	1					X		
180*	A350CNIWBKSH2 8	. Post Lite	1					X		
190*	1040	. Inclinator Ball	1					X		
200	MS35214-30	. Screw	2					X		
210	MS35214-15	. Screw	4					X		
220	NAS1149FN416P	. Washer	4					X		

ENSTROM F-28/280 SERIES ILLUSTRATED PARTS CATALOG

FIGURE 11-7. F-28F INSTRUMENT PANEL INSTALLATION (24V)

ITEM NUMBER	PART NUMBER	DESCRIPTION	QTY PER ASSY	MODELS AFFECTED						
				F-28A	280	F-28C	280C	F-28F	280F	280FX
230	MS21044N04	. Nut	4					X		
240	ECD071-15	. Instrument Cluster	1					X		
250	ECD071-103	. . Fuel Qty. Gauge	1					X		
260	ECD071-104	. . Oil Temp. MRGB Gauge	1					X		
270	ECD071-105	. . Ammeter Gauge	1					X		
280	ECD071-106	. . Eng. Oil Press. Gauge	1					X		
290	ECD071-107	. . Eng. Oil Temp. Gauge	1					X		
300	ECD071-108	. . Cylinder Temp. Gauge	1					X		
310	28-18153-107	. Panel Assembly (Wide)	1					X		
-310A	28-18153-109	. Panel Assembly (Narrow) (Alternate)	1					X		
310B	28-18153-105	. Panel Assembly (Narrow)	1					X		
320	28-22540-17	. Placard	1					X		
330	AN515-B6R3	. Screw	4					X		
340	28-22543-13	. Placard	1					X		
350	28-22093-3	. EDM-700-4C Installation	1					X		
360	KN500B1/8	. Knob	1					X		
370	28-18101-11	. Bracket	1					X		
380	ECD077-11	. Manifold Pressure	1					X		
390	ECD072-11	. Dual Tachometer	1					X		
400	8000 B.852	. Airspeed	1					X		
-	60618-1	. Pin	11					X		
-	1-480319-0	. Pin Housing	4					X		
-	PLT4S-CO	. Cable Tie	A/R					X		
-	60617-1	. Socket	8					X		
-	1-480318-0	. Socket Housing	4					X		
410	160-012-70	. Circuit Breaker 70A P/P	1					X		
420	7274-2-2 1/2	. Circuit Breaker 2 ½ A	1					X		
430	1684	. Hole Plug	A/R					X		
440	7274-2-10	. Circuit Breaker 10A	2					X		
450	7274-2-5	. Circuit Breaker 5A	1					X		

ENSTROM F-28/280 SERIES ILLUSTRATED PARTS CATALOG

FIGURE 11-7. F-28F INSTRUMENT PANEL INSTALLATION (24V)

ITEM NUMBER	PART NUMBER	DESCRIPTION	QTY PER ASSY	MODELS AFFECTED						
				F-28A	280	F-28C	280C	F-28F	280F	280FX
460	7274-2-3	. Circuit Breaker 3A	1					X		
−470	28-18069-31	. Panel (Alternate to 28-18069-15)	1					X		
470A	28-18069-15	. Panel	1					X		
−470B	28-18069-33	. Panel (Alternate to 28-18069-17)	1					X		
470C	28-18069-17	. Panel	1					X		
480	MS35214-28	. Screw	4					X		
490	28-18069-17	. Panel	1					X		
500	28-18171-31	. Panel (Wide)	1					X		
−500A	28-18171-33	. Panel (Narrow) (Alternate)	1					X		
500B	28-18171-29	. Panel (Narrow)	1					X		
510	7270-1-35	. Circuit Breaker Switch 35A	A/R					X		
520	7270-1-5	. Circuit Breaker Switch 5A	3					X		
530	1687	. Hole Plug	A/R					X		
540	7270-1-3	. Circuit Breaker Switch 3A	1					X		
550	7270-1-7 1/2	. Circuit Breaker Switch 7 ½ A	1					X		
560	12TS15-2	. Toggle Switch	2					X		
570	15PA90-4R	. Red Cap	1					X		
580	10-357290-1	. Ignition Switch	1					X		
590	28-19021-10	. Grounding Strap	1					X		
600	770001-5	. Mount	6					X		
610	NAS6603-14	. Bolt	6					X		
610	AN3-12A	. Bolt (Superseded by NAS6603-14)	6					X		
620	NAS1149F0332P	. Washer	6					X		
630	MS21044N3	. Nut	6					X		
640	NAS1149F0363P	. Nut	4					X		
650	MS35190-253	. Screw	10					X		
660	NAS1149FN832P	. Washer	24					X		
670	MS21083N08	. Nut	12					X		
680	7101SYZQE	. Switch	1					X		

ENSTROM F-28/280 SERIES ILLUSTRATED PARTS CATALOG

FIGURE 11-7. F-28F INSTRUMENT PANEL INSTALLATION (24V)

ITEM NUMBER	PART NUMBER	DESCRIPTION	QTY PER ASSY	MODELS AFFECTED						
				F-28A	280	F-28C	280C	F-28F	280F	280FX
690	AN815-4D	. Coupling	4					X		
700	28-12472-11	. Placard	2					X		
710	28-12470-11	. Placard	4					X		
-720	28-18061-3	. Hose (Alternate)	7							
720A	28-18061-1	. Hose	7					X		
730	AN816-4D	. Adapter	6					X		
740	28-19073-1	. Fuse Panel Assembly	A/R					X		
740A	28-19073-3	. Fuse Panel Assembly	A/R					X		
740B	28-19073-5	. Fuse Panel Assembly	A/R					X		
740C	28-19073-7	. Fuse Panel Assembly	A/R					X		
750	6 X 3/8	. Screw	4					X		
-760	28-18200-1	. Radio Panel Installation (Alternate)	A/R							
760A	28-18200-3	. Radio Panel Installation	A/R					X		
770	MS35206-247	. Screw	2					X		
780	MS35338-42	. Lock Washer	4					X		
790	MS35649-282	. Nut	4					X		
800	28-19021-10	. Grounding Strap	1					X		
810	MS24693-BB50	. Screw	4					X		
820	28-19123-9	. Terminal Strip Assembly	1					X		
830	28-19023	. Clamp	1					X		
840	SST2S-MP	. Cable Tie	A/R					X		
850	SST1.5I-MP	. Cable Tie	A/R					X		
860	MS35206-244	. Screw	2					X		
870	B-00378-5	. Low Voltage Sensor (24V)	1					X		
880	22-370-60	. Shunt	1					X		
890	28-18033-1	. Spacer	2					X		
900	MS35206-250	. Screw	2					X		
910	MS35338-42	. Lock Washer	4					X		
920	28-12473-11	. Placard	2					X		

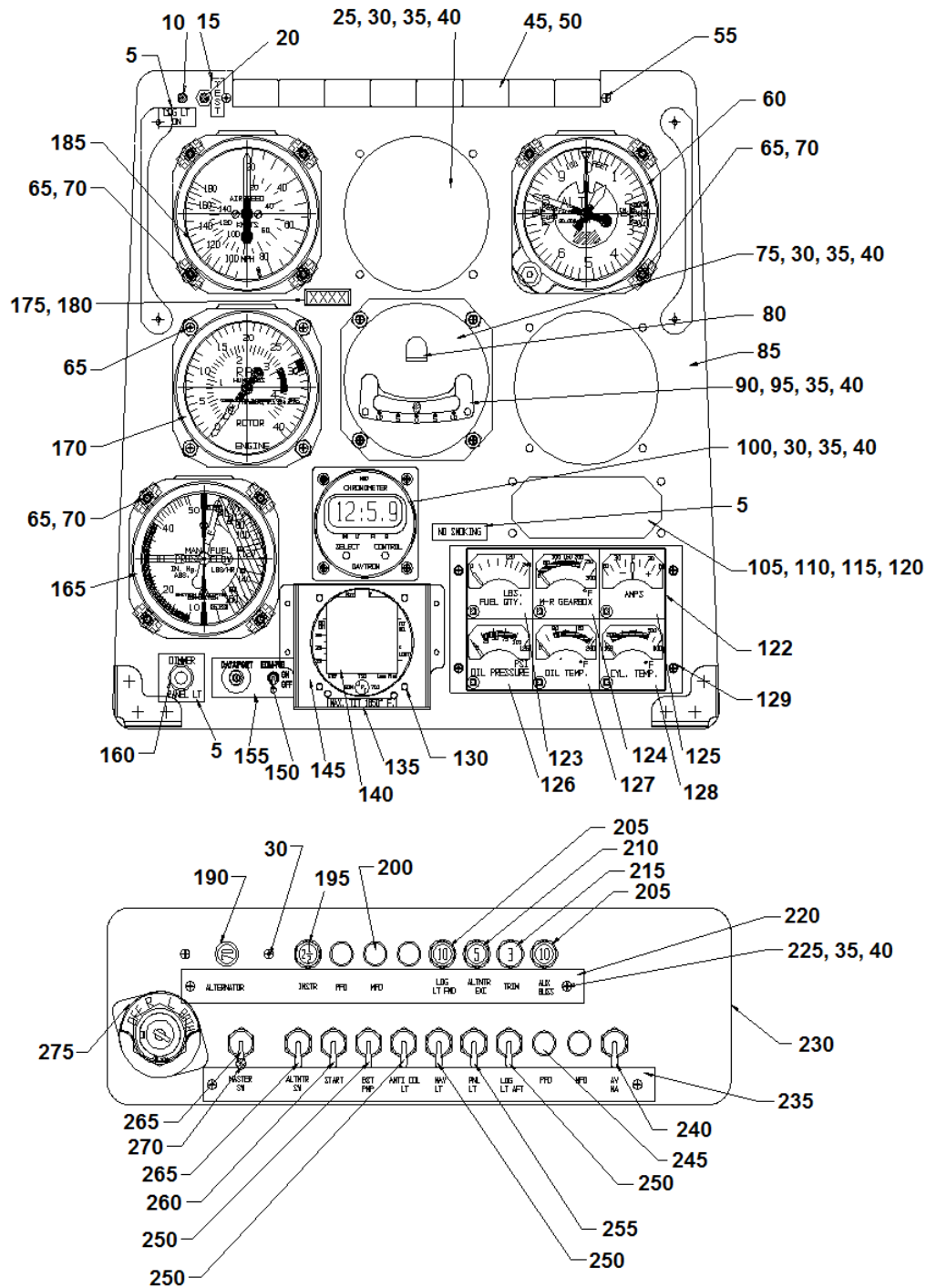
ENSTROM F-28/280 SERIES ILLUSTRATED PARTS CATALOG

FIGURE 11-7. F-28F INSTRUMENT PANEL INSTALLATION (24V)

ITEM NUMBER	PART NUMBER	DESCRIPTION	QTY PER ASSY	MODELS AFFECTED						
				F-28A	280	F-28C	280C	F-28F	280F	280FX
930	28-12475-11	. Placard	2					X		
940	28-12471-11	. Placard	2					X		
950	28-180014-1	. Fitting Fuel Vent	1					X		
960	28-12474-11	. Placard	2					X		
970	AN917-1D	. Tee	2					X		
980	2335-265-1	. Oil Pressure Switch	1					X		
990	ECD078-11	. Pressure Switch	1					X		

* Omit these items, along with associated hardware, if an optional attitude gyro, turn and slip gyro with mechanical inclinometer ball, or PFD display with attitude indication is installed.

ENSTROM F-28/280 SERIES ILLUSTRATED PARTS CATALOG



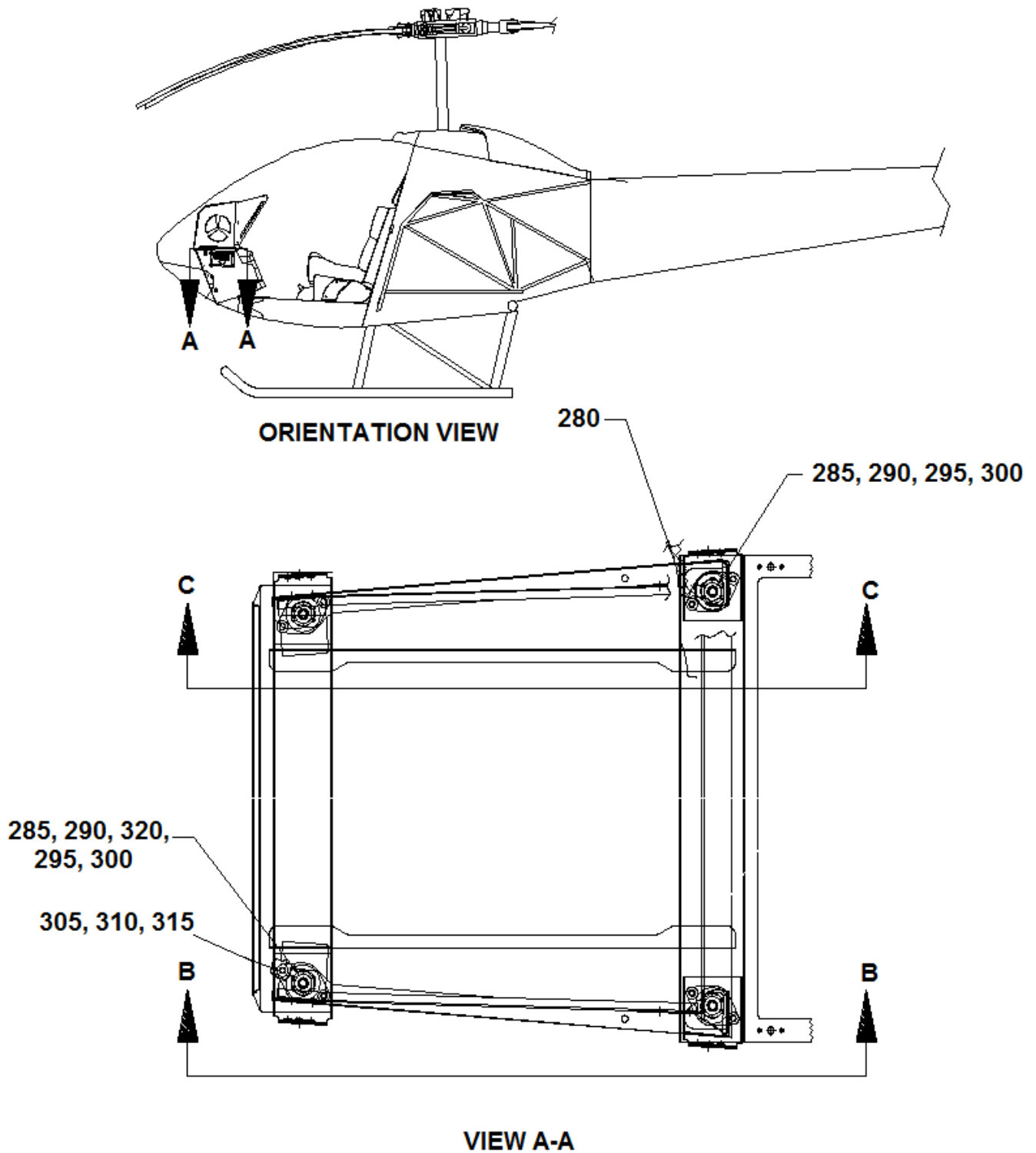
INSTRUMENT PANEL LAYOUTS MAY VARY DEPENDING ON CUSTOMER PREFERENCES.

280FX: S/N 2148 – 2166

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FIGURE 11-8. 280FX INSTRUMENTS AND INSTRUMENT PANEL

ENSTROM F-28/280 SERIES ILLUSTRATED PARTS CATALOG

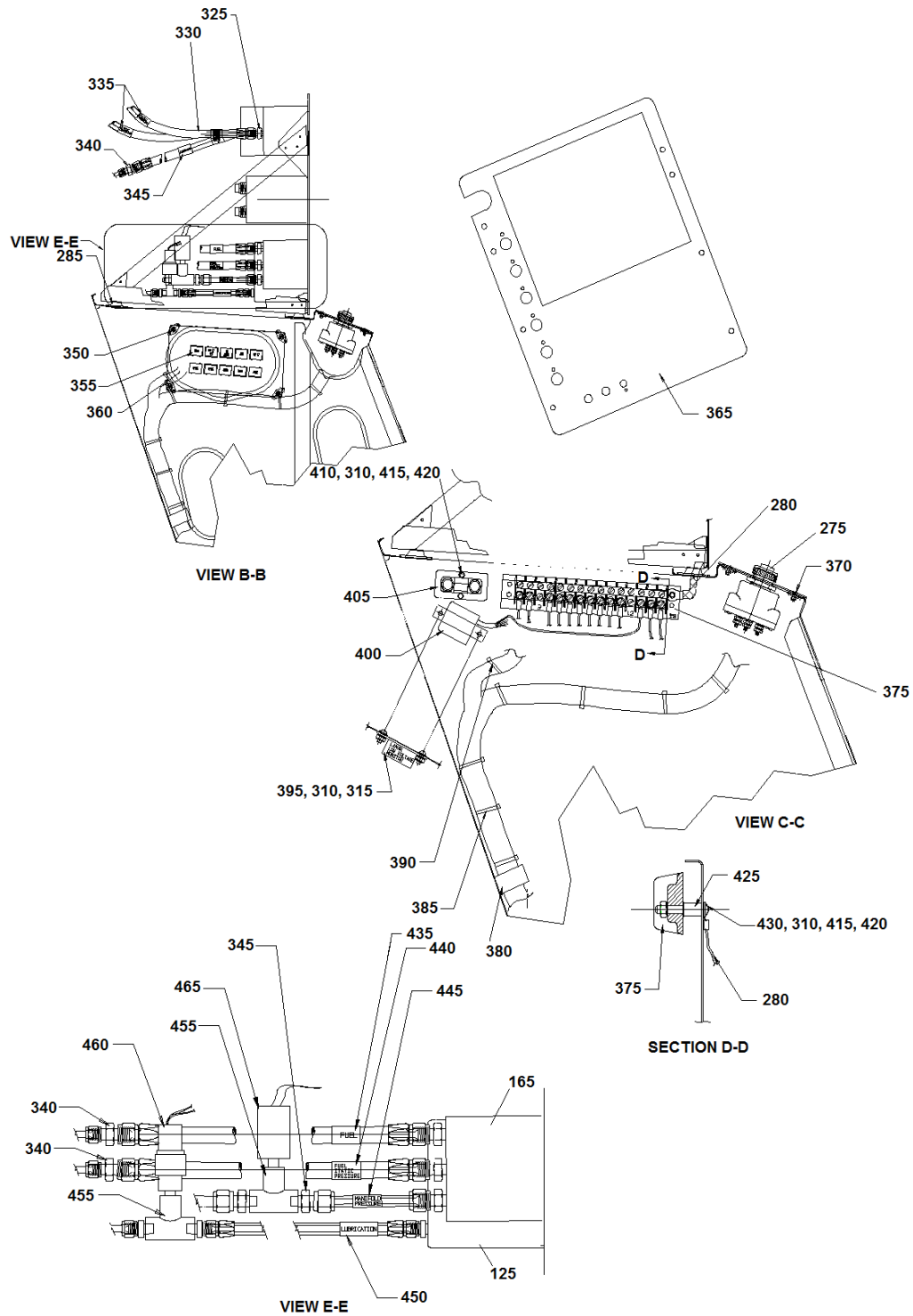


280FX: S/N 2148 – 2166

Sheet 2 of 4

FIGURE 11-8. 280FX INSTRUMENTS AND INSTRUMENT PANEL

ENSTROM F-28/280 SERIES ILLUSTRATED PARTS CATALOG

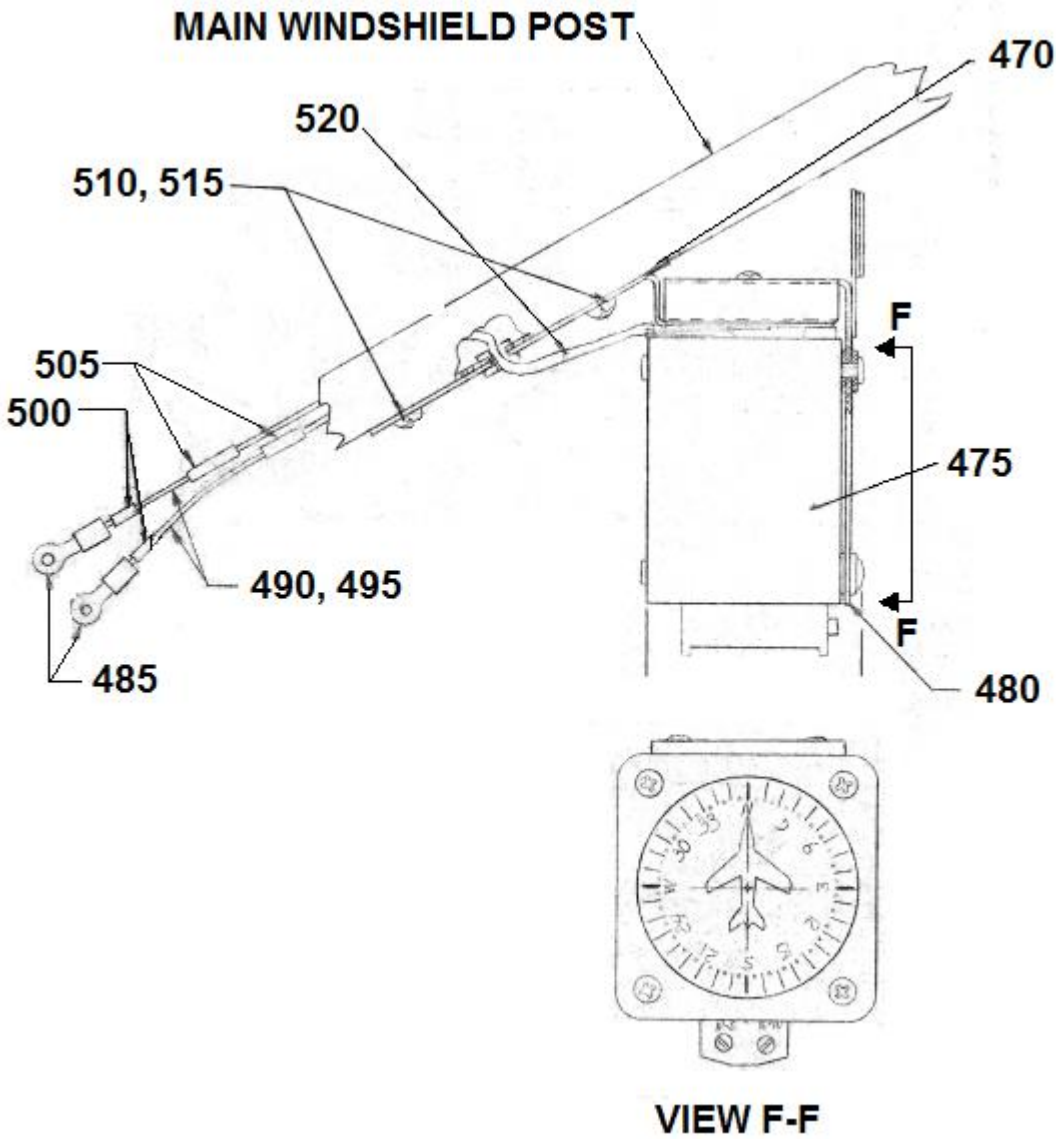


280FX: S/N 2148 – 2166

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FIGURE 11-8. 280FX INSTRUMENTS AND INSTRUMENT PANEL

ENSTROM F-28/280 SERIES ILLUSTRATED PARTS CATALOG



280FX: S/N 2148 AND SUBSEQUENT

Sheet 4 of 4

FIGURE 11-8. 280FX INSTRUMENTS AND INSTRUMENT PANEL

ENSTROM F-28/280 SERIES ILLUSTRATED PARTS CATALOG

FIGURE 11-8. 280FX INSTRUMENTS AND INSTRUMENT PANEL

ITEM NUMBER	PART NUMBER	DESCRIPTION	QTY PER ASSY	MODELS AFFECTED						
				F-28A	280	F-28C	280C	F-28F	280F	280FX
–	28-18099-147	Instrument Installation (24V) 280FX (Narrow)	REF							X
–	28-18099-159	Panel Assembly (Narrow) (280FX) 24V	REF							X
5	4119835-33	. Placard (LDG LT ON)	1							X
10	28-19027-13	. LED Indicator Light Assembly	1							X
15	28-19046-11	. Placard (TEST)	1							X
20	30-1UL	. . Switch	1							X
25	28-18060-11	. Cover	2							X
30♦	MS35214-26	. Screw	18							X
35♦	NAS1149FN616P	. Washer	18							X
40♦	MS21083N06	. Nut	18							X
45	ECD089-3	. Light Assembly Annunciator	1							X
50	327	. Lamp 24V	16							X
55	MS35214-25	. Screw	2							X
60	5934PD-3-A.253	. Altimeter	1							X
65	MS35214-31	. Screw	15							X
–	AN816-4D	. Adapter	1							X
70	MS33737-16C	. Instrument Mounting Nut	11							X
75♦	4196603-23	. Plug	1							X
80♦	01-0770119-15	. Post Lite	1							X
85	28-18153-109	. Panel Assembly (Narrow) (Used with -159)	1							X
90♦	1040	. Inclinator Ball	1							X
95♦	MS35214-30	. Screw	2							X
–Δ	28-22081-5	Davtron M800 Chronometer Installation	REF							X
100Δ	800-28V-BAT	. Clock	1							X
–100	28-18060-15	. Cover	1							X
–	MS35214-15	. Screw	4							X

ENSTROM F-28/280 SERIES ILLUSTRATED PARTS CATALOG

FIGURE 11-8. 280FX INSTRUMENTS AND INSTRUMENT PANEL

ITEM NUMBER	PART NUMBER	DESCRIPTION	QTY PER ASSY	MODELS AFFECTED						
				F-28A	280	F-28C	280C	F-28F	280F	280FX
105	28-18060-13	. Cover	1							X
110	MS35214-15	. Screw	4							X
115	NAS1149FN416P	. Washer	4							X
120	MS21044N04	. Nut	4							X
122	ECD071-15	. Instrument Cluster	1							X
122	ECD071-13	. Instrument Cluster (Superseded by ECD071-15)	1							X
123	ECD071-103	. . Fuel Qty. Gauge	1							X
124	ECD071-104	. . Oil Temp. MRGB Gauge	1							X
125	ECD071-105	. . Ammeter Gauge	1							X
126	ECD071-106	. . Eng. Oil Press. Gauge	1							X
127	ECD071-107	. . Eng. Oil Temp. Gauge	1							X
128	ECD071-108	. . Cylinder Temp. Gauge	1							X
129	MS35214-27	. . Screw	4							X
–	AN816-4D	. Adapter	1							X
130	AN515-B6R3	. Screw	4							X
135	28-22543-13	. Placard (MAX. TIT 1650° F.)	1							X
140●	28-22093-3	. EDM-700-4C Installation	1							X
–	EGT-701-4C-A-T	. . Indicator w/Software Pt# 302661-REV 3.062	1							X
145	28-18101-11	. Bracket	1							X
150	7101SYZQE	. Switch	1							X
155	28-22540-17	. Placard	1							X
160	KN500B1/8	. Knob	1							X
165	ECD077-11	. Manifold Pressure	1							X
–	AN816-4D	. Adapter	1							X
–	28-180014-1	. Fitting Fuel Vent	1							X
–	60618-1	. Pin	3							X
–	1-480305-0	. Pin Housing	1							X

ENSTROM F-28/280 SERIES ILLUSTRATED PARTS CATALOG

FIGURE 11-8. 280FX INSTRUMENTS AND INSTRUMENT PANEL

ITEM NUMBER	PART NUMBER	DESCRIPTION	QTY PER ASSY	MODELS AFFECTED						
				F-28A	280	F-28C	280C	F-28F	280F	280FX
—	381N-500-S	. Potentiometer	1							X
170	ECD072-11	. Dual Tachometer	1							X
175	28-180020-11	. I.D. Panel	1							X
180*	Y9485	. Tape	A/R							X
185	8000 B.853	. Airspeed	1							X
—	AN816-4D	. Adapter	1							X
190	160-012-70	. Circuit Breaker, 70 Amp	1							X
195	7274-2-2 1/2	. Circuit Breaker, 2 1/2 Amp	1							X
200	1684	. Hole Plug	A/R							X
205	7274-2-10	. Circuit Breaker, 10 Amp	2							X
210	7274-2-5	. Circuit Breaker, 5 Amp	1							X
215	7274-2-3	. Circuit Breaker, 3 Amp	1							X
220	28-18069-31	. Panel	1							X
225	MS35214-28	. Screw	4							X
230	28-18171-33	. Panel (Narrow) (Used with -159)	1							X
235	28-18069-33	. Panel	1							X
240	7270-1-35	. Circuit Breaker Switch, 35 Amp	A/R							X
245	1687	. Hole Plug	A/R							X
—*	732BL	. Sealant	A/R							X
250	7270-1-5	. Circuit Breaker Switch, 5 Amp	4							X
—*	732BL	. Sealant	A/R							X
255	7270-1-3	. Circuit Breaker Switch, 3 Amp	1							X
260	7270-1-7 1/2	. Circuit Breaker Switch, 7 1/2 Amp	1							X
265	12TS15-2	. Toggle Switch	2							X
270	15PA90-4R	. Red Cap	1							X
275	10-357290-1	. Ignition Switch	1							X
280	28-19021-10	. (40-6) Grounding Strap	1							X
285	770001-5	. Mount	4							X

ENSTROM F-28/280 SERIES ILLUSTRATED PARTS CATALOG

FIGURE 11-8. 280FX INSTRUMENTS AND INSTRUMENT PANEL

ITEM NUMBER	PART NUMBER	DESCRIPTION	QTY PER ASSY	MODELS AFFECTED						
				F-28A	280	F-28C	280C	F-28F	280F	280FX
290	NAS6603-14	. Bolt	4							X
290	AN3-12A	. Bolt (Alternate)	4							X
295	NAS1149F0332P	. Washer	5							X
300	MS21044N3	. Nut	4							X
305	MS35190-253	. Screw	8							X
310	NAS1149FN832P	. Washer	22							X
315	MS21083N08	. Nut	10							X
320	NAS1149F0363P	. Washer	3							X
325	AN816-4D	. Adapter	10							X
330	28-18061-1	. Hose Assembly (Low Pressure)	7							X
—	MS27404-4D	. . Fitting	2							X
—	MIL-DTL-5593	. . Hose	1							X
335	28-12470-11	. Placard (STATIC PRESSURE)	4							X
340	AN815-4D	. Coupling	4							X
345	28-12472-11	. Placard (AIRSPEED)	2							X
350	6 X 3/8	. Screw	4							X
355	4119835-33	. Placard	1							X
360	28-19073-101	. Fuse Panel Assembly	1							X
365	28-18200-1	. Radio Panel Installation	A/R							X
—	MS24694-50	. Screw	8							X
370	MS24693-BB50	. Screw	4							X
375	28-19123-9	. Terminal Strip Assembly	1							X
380	28-19023	. Clamp	1							X
385	SST2S-MP	. Cable Tie	A/R							X
390	SST1.5I-MP	. Cable Tie	A/R							X
395	MS35206-244	. Screw	2							X
400	B-00378-5	. Low Voltage Sensor (24V)	1							X
405	22-370-60	. Shunt	1							X
410	MS35206-247	. Screw	2							X

ENSTROM F-28/280 SERIES ILLUSTRATED PARTS CATALOG

FIGURE 11-8. 280FX INSTRUMENTS AND INSTRUMENT PANEL

ITEM NUMBER	PART NUMBER	DESCRIPTION	QTY PER ASSY	MODELS AFFECTED						
				F-28A	280	F-28C	280C	F-28F	280F	280FX
415	MS35338-42	. Lock Washer	4							X
420	MS35649-282	. Nut	4							X
425	28-18033-1	. Spacer	2							X
430	MS35206-250	. Screw	2							X
435	28-12473-11	. Placard (FUEL)	2							X
440	28-12475-11	. Placard (FUEL STATIC PRESSURE)	2							X
445	28-12471-11	. Placard (MANIFOLD PRESSURE)	2							X
450	28-12474-11	. Placard (LUBRICATION)	1							X
455	AN917-10	. Tee	2							X
460	2335-265-1	. Oil Pressure Switch	1							X
465	ECD078-11	. Pressure Switch	1							X
–	FIT-221V-3/32	. Shrink Tube	A/R							X
–	28-18084-1	Magnetic Compass Installation	REF							X
470	4016	. Tape	A/R							X
475	PAI-700 28V	. Compass	1							X
480	PACMO-APZ2IN	. Mounting Bracket	1							X
485	AA-832-06	. Terminals	2							X
490	AWG-22-8503-10	. Wire	A/R							X
495	AWG-22-8503-2	. Wire	A/R							X
500	PVC-13	. Wire Markers	2							X
505	3028-3/32	. Heat Shrink Tubing	A/R							X
510	MS35338-99	. Brass Lock Washer	2							X
515	MS35214-44	. Screw	2							X
520	3028-3/32	. Shrink Tube	A/R							X

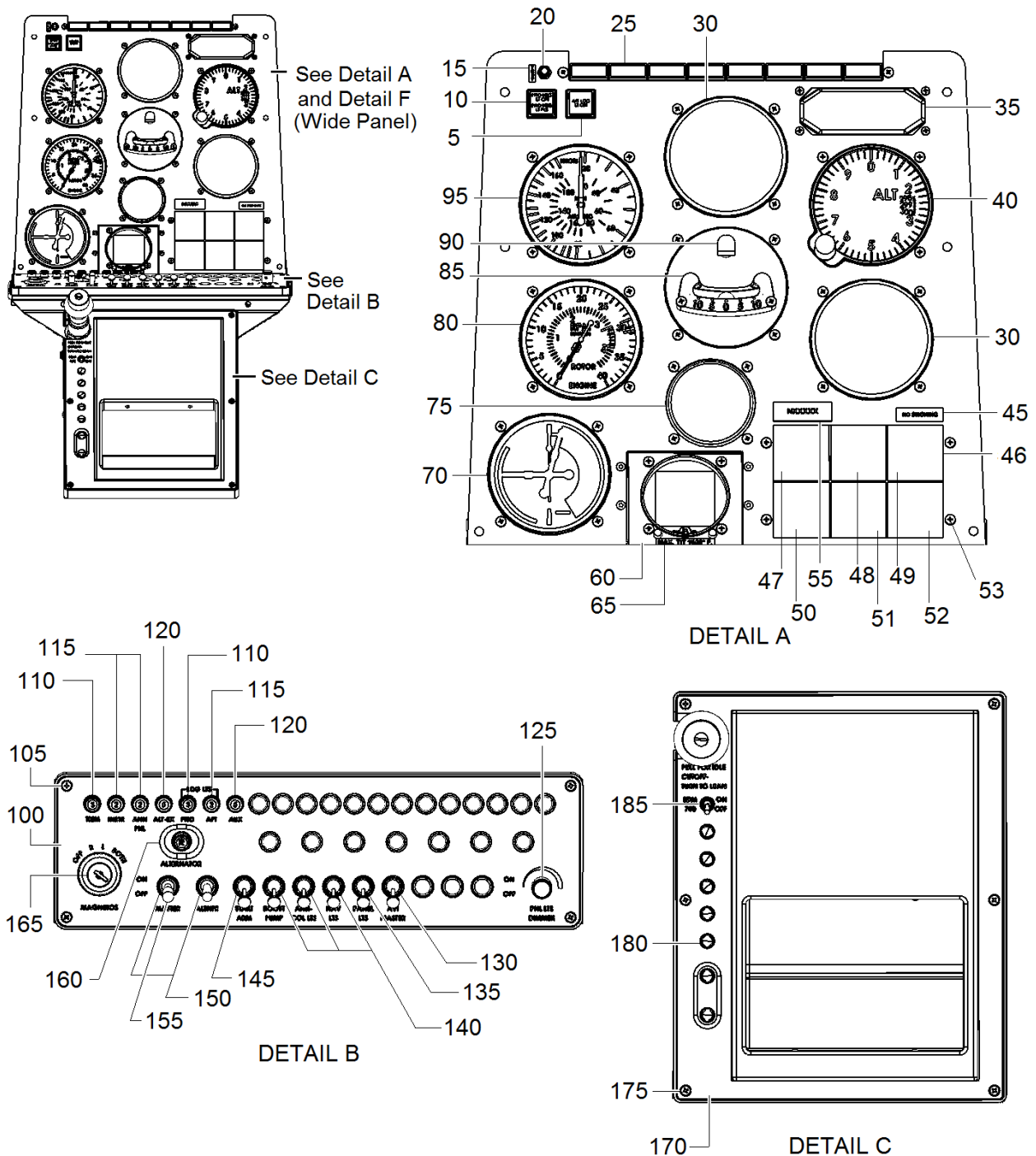
- ◆ When an optional attitude gyro, turn and slip gyro with mechanical inclinometer ball, or PFD display with attitude indication is installed, Items 75, 80, 90, and associated hardware Items 30, 35, 40, and 95 should not be installed.

- △ Customer option.

ENSTROM F-28/280 SERIES ILLUSTRATED PARTS CATALOG

- Not illustrated.
- * Or equivalent. Contact Enstrom Product Support for alternative products.
- See Figure 11-5C.

ENSTROM F-28/280 SERIES ILLUSTRATED PARTS CATALOG



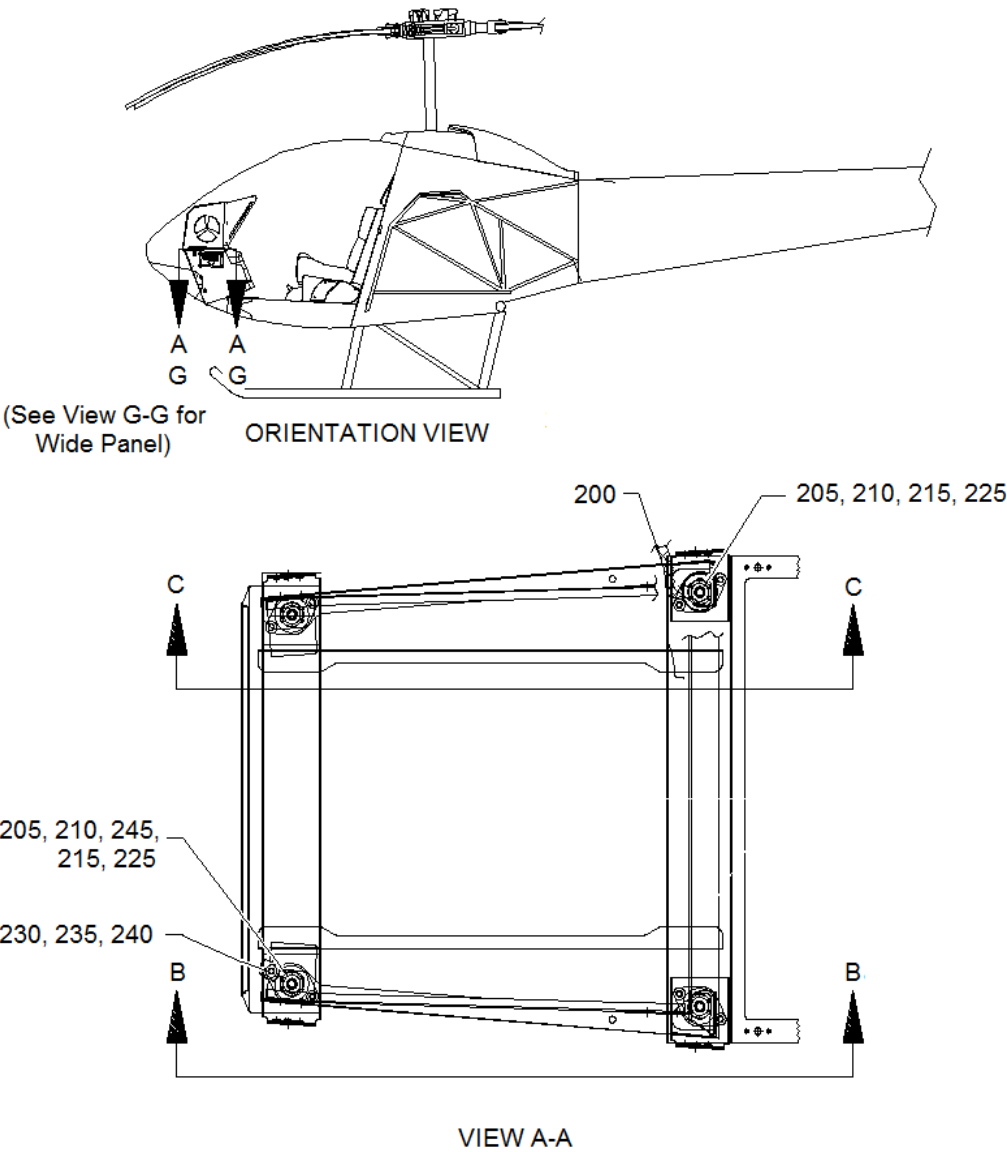
INSTRUMENT PANEL LAYOUT MAY VARY DEPENDING ON CUSTOMER PREFERENCES.

280FX: S/N 2167 AND SUBSEQUENT

Sheet 1 of 4

FIGURE 11-9. 280FX INSTRUMENTS AND INSTRUMENT PANEL

ENSTROM F-28/280 SERIES ILLUSTRATED PARTS CATALOG

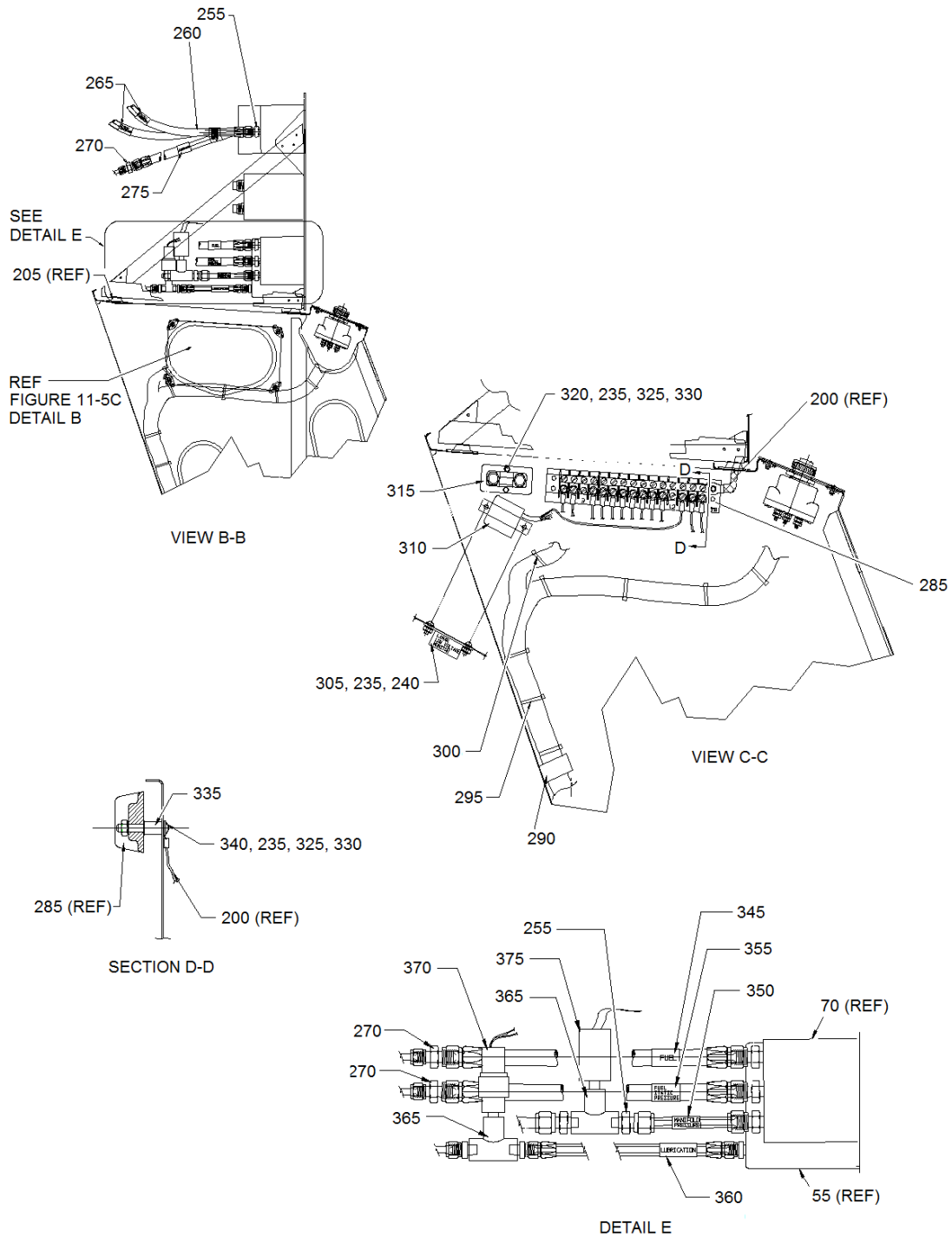


280FX: S/N 2167 AND SUBSEQUENT

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FIGURE 11-9. 280FX INSTRUMENTS AND INSTRUMENT PANEL

ENSTROM F-28/280 SERIES ILLUSTRATED PARTS CATALOG

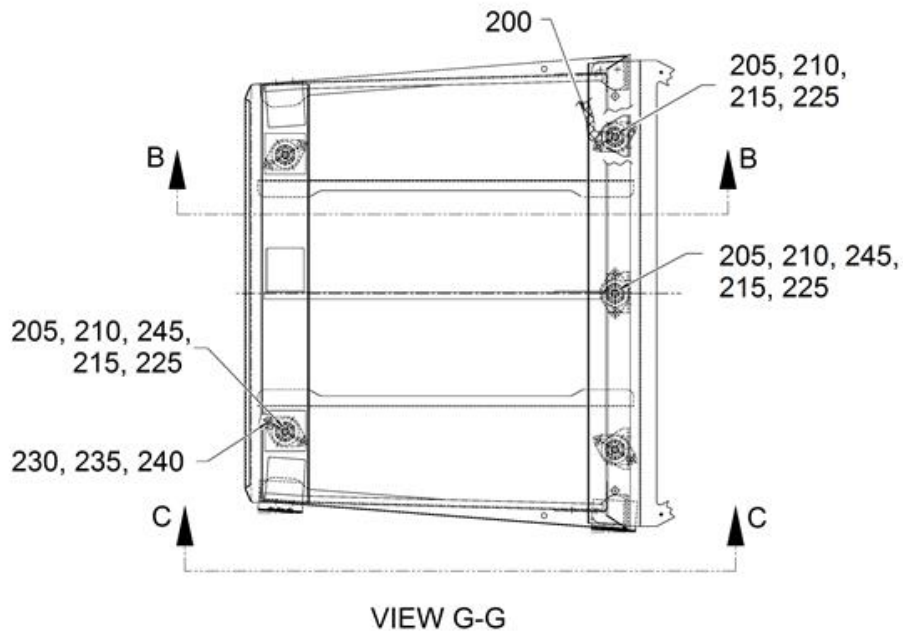
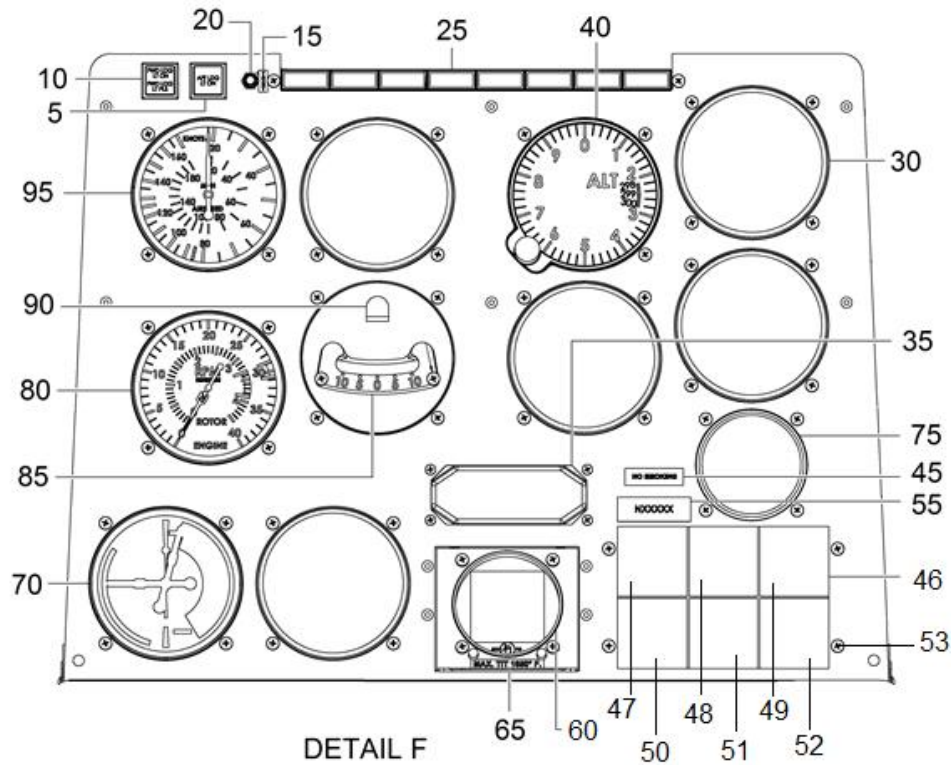


280FX: S/N 2167 AND SUBSEQUENT

Sheet 3 of 4

FIGURE 11-9. 280FX INSTRUMENTS AND INSTRUMENT PANEL

ENSTROM F-28/280 SERIES ILLUSTRATED PARTS CATALOG



INSTRUMENT PANEL LAYOUT MAY VARY DEPENDING ON CUSTOMER PREFERENCES.

280FX: S/N 2167 AND SUBSEQUENT
(WIDE PANEL OPTION)

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FIGURE 11-9. 280FX INSTRUMENTS AND INSTRUMENT PANEL

ENSTROM F-28/280 SERIES ILLUSTRATED PARTS CATALOG

FIGURE 11-9. 280FX INSTRUMENTS AND INSTRUMENT PANEL

ITEM NUMBER	PART NUMBER	DESCRIPTION	QTY PER ASSY	MODELS AFFECTED						
				F-28A	280	F-28C	280C	F-28F	280F	280FX
-	28-18099-171	Instrument Installation 280FX (Narrow)	REF							X
-	28-18099-173	Instrument Installation 280FX (Wide)	REF							X
5	LED-40-1J-HG2- SBMMF	. Aft Landing Light Annunciator	1							X
10	LED-40-1J-HG2- SBMMD	. FWD Landing Light Annunciator	1							X
15	28-19046-11	. Placard (TEST)	1							X
20	30-1UL	. . Switch	1							X
25	ECD089-3	. Light Assembly Annunciator	1							X
-	MS35214-15	. Screw	2							X
-	327	. Lamp 24V	16							X
30	28-18060-11	. Instrument Cutout Cover	A/R							X
-	MS35214-26	. Screw	A/R							X
-	NAS1149FN616P	. Washer	A/R							X
-	MS21083N06	. Nut	A/R							X
35	28-18060-13	. Cover	1							X
-	MS35214-15	. Screw	4							X
-	NAS1149FN416P	. Washer	4							X
-	MS21044N04	. Nut	4							X
40	5934PD-3-A.253	. Altimeter	1							X
-	MS35214-31	. Screw	3							X
45	28-19064-1	. Placard	1							X
46	ECD071-15	. Instrument Cluster	1							X
47	ECD071-103	. . Fuel Qty. Gauge	1							X
48	ECD071-104	. . Oil Temp. MRGB Gauge	1							X
49	ECD071-105	. . Ammeter Gauge	1							X
50	ECD071-106	. . Eng. Oil Press. Gauge	1							X
51	ECD071-107	. . Eng. Oil Temp. Gauge	1							X
52	ECD071-108	. . Cylinder Temp. Gauge	1							X

ENSTROM F-28/280 SERIES ILLUSTRATED PARTS CATALOG

FIGURE 11-9. 280FX INSTRUMENTS AND INSTRUMENT PANEL

ITEM NUMBER	PART NUMBER	DESCRIPTION	QTY PER ASSY	MODELS AFFECTED						
				F-28A	280	F-28C	280C	F-28F	280F	280FX
53	MS35214-27	. Screw	4							X
55	28-180020-11	. Placard	1							X
60*	28-22093-3	. EDM-700-4C Installation	REF							X
-	AN515-B6R3	. Screw	4							X
65	28-22543-13	. Placard (Included in Item 60)	REF							X
70	ECD077-11	. Manifold Pressure and Fuel Flow Gauge	1							X
-	MS35214-31	. Screw	4							X
75	28-18060-15	. Cover	1							X
-	MS35214-26	. Screw	4							X
-	NAS1149FN616P	. Washer	4							X
-	MS21083N06	. Nut	4							X
80	ECD072-11	. Dual Tachometer	1							X
-	MS35214-31	. Screw	4							X
85♦	1040	. Inclinator	1							X
90♦	01-0770119-15	. Post Lite	1							X
-♦	4196603-23	. Plug	1							X
-♦	MS35214-30	. Screw	2							X
-	MS35214-26	. Screw	4							X
-♦♦	NAS1149FN616P	. Washer	6							X
-♦♦	MS21083N06	. Nut	6							X
95	8000 B.853	. Airspeed Indicator	1							X
-	MS35214-31	. Screw	4							X
100	ECD112-1	. Illuminated Panel	1							X
105	MS24693-BB26	. Screw	4							X
110	7277-5-3	. Circuit Breaker (3 Amp)	2							X
115	7277-5-2	. Circuit Breaker (2 Amp)	3							X
120	7277-5-5	. Circuit Breaker (5 Amp)	2							X
125	KN500B1/8	. Knob	1							X
-	381N-500-S	. Potentiometer	1							X

ENSTROM F-28/280 SERIES ILLUSTRATED PARTS CATALOG

FIGURE 11-9. 280FX INSTRUMENTS AND INSTRUMENT PANEL

ITEM NUMBER	PART NUMBER	DESCRIPTION	QTY PER ASSY	MODELS AFFECTED						
				F-28A	280	F-28C	280C	F-28F	280F	280FX
130	7270-1-35	. Switch (35 Amp)	1							X
135	7270-1-3	. Switch (3 Amp)	1							X
140	7270-1-5	. Switch (5 Amp)	3							X
145	7270-1-7½	. Switch (7½ Amp)	1							X
150	12TS15-2	. Switch-Toggle	2							X
155	15PA90-4R	. Cap (red)	1							X
160	160-012-70	. Circuit Breaker	1							X
165	10-357290-1	. Ignition Switch	1							X
170	ECD112-3	. Illuminated Radio Panel	1							X
175	MS24693-BB26	. Screw	6							X
180	1678	. Plug	7							X
185	7101SYZQE	. Switch (Included with Item 60)	REF							X
200	28-19021-10	. Grounding Strap	1							X
205**	770001-5	. Mount	4							X
210**	AN3-12A	. Bolt	4							X
215**	NAS1149F0332P	. Washer	5							X
225**	MS21044N3	. Nut	4							X
230	MS35190-253	. Screw	8							X
235	NAS1149FN832P	. Washer	16							X
240	MS21083N08	. Nut	10							X
245**	NAS1149F0363P	. Washer	3							X
255	AN816-4D	. Adapter	10							X
260	28-18061-1	. Hose	7							X
265	28-12470-11	. Placard	2							X
270	AN815-4D	. Coupling	3							X
275	28-12472-11	. Placard	2							X
285	28-19123-9	. Terminal Strip	1							X
290	28-19023	. Clamp	1							X

ENSTROM F-28/280 SERIES ILLUSTRATED PARTS CATALOG

FIGURE 11-9. 280FX INSTRUMENTS AND INSTRUMENT PANEL

ITEM NUMBER	PART NUMBER	DESCRIPTION	QTY PER ASSY	MODELS AFFECTED						
				F-28A	280	F-28C	280C	F-28F	280F	280FX
295	SST2S-MP	. Cable Tie	A/R							X
300	SST1.5I-MP	. Cable Tie	A/R							X
305	MS35206-244	. Screw	2							X
310	B-00378-5	. Low Voltage Sensor	1							X
315	22-370-60	. Shunt	1							X
320	MS35206-247	. Screw	2							X
325	MS35338-42	. Lock Washer	4							X
330	MS35649-282	. Nut	4							X
335	28-18033-1	. Spacer	2							X
340	MS35206-250	. Screw	2							X
345	28-12473-11	. Placard	2							X
350	28-12471-11	. Placard	2							X
355	28-12475-11	. Placard	2							X
360	28-12474-11	. Placard	2							X
365	AN917-1D	. Tee	1							X
370	2335-265-1	. Oil Pressure Switch	1							X
375	ECD078-11	. Pressure Switch	1							X

— Not illustrated.

◆ Omit these items if an optional attitude gyro, turn and slip gyro with mechanical inclinometer ball, or PFD display with attitude indication is installed.

◆◆ Reduce quantity by two if an optional attitude gyro, turn and slip gyro with mechanical inclinometer ball, or PFD display with attitude indication is installed.

* See Figure 11-5C.

** Increase quantity by one (1) for the 28-18099-173 wide instrument panel.

ENSTROM F-28/280 SERIES ILLUSTRATED PARTS CATALOG

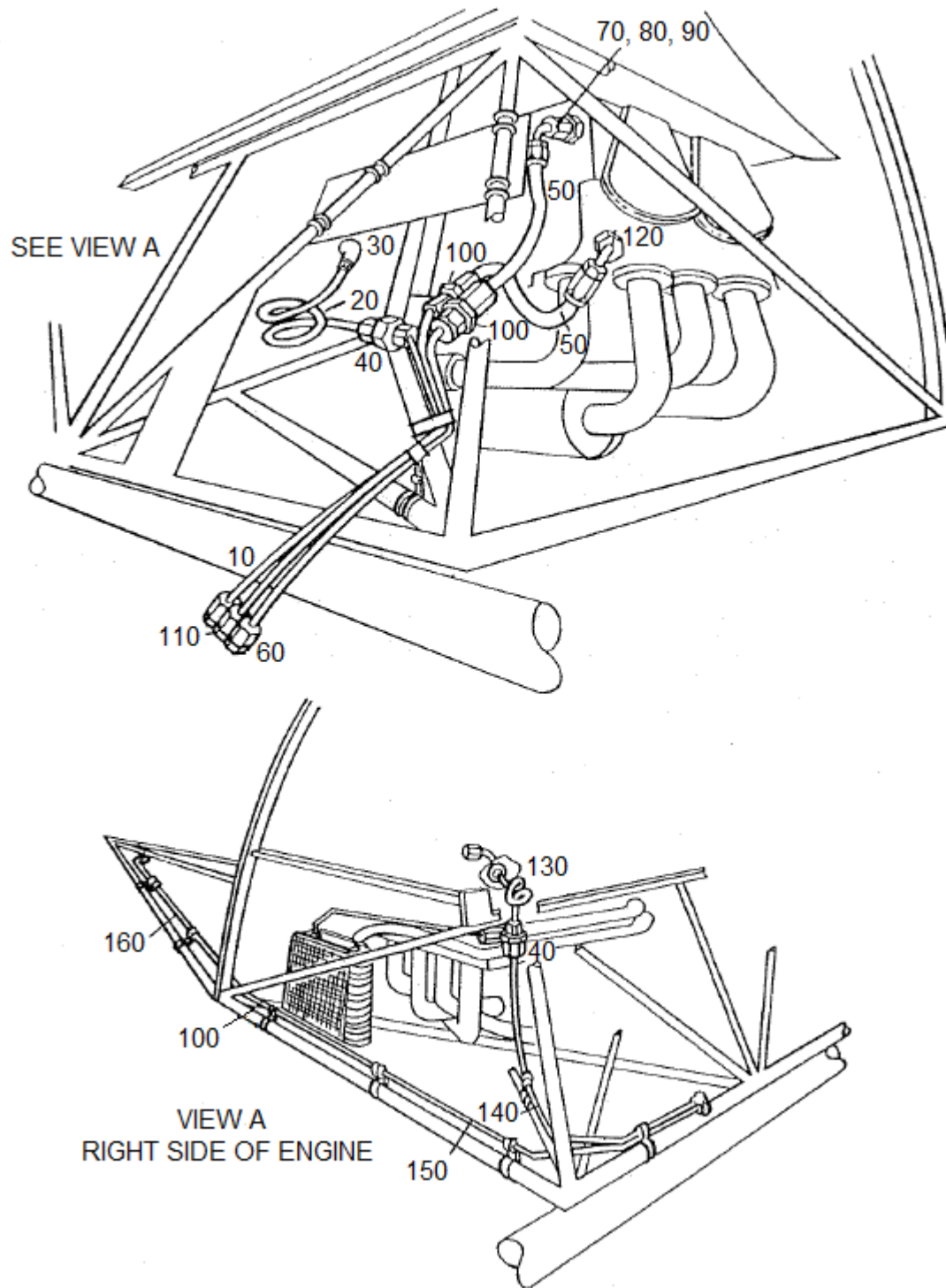


FIGURE 11-10. F-28A AND 280 INSTRUMENT LINE PYLON LOCATION

ENSTROM F-28/280 SERIES ILLUSTRATED PARTS CATALOG

FIGURE 11-10. F-28A AND 280 INSTRUMENT LINE PYLON LOCATION

ITEM NUMBER	PART NUMBER	DESCRIPTION	QTY PER ASSY	MODELS AFFECTED						
				F-28A	280	F-28C	280C	F-28F	280F	280FX
10	28-12100-7	. Oil Pressure Line	1	X	X					
20	28-12100-9	. Oil Pressure Line	1	X	X					
30▲	MS20822-2	. Elbow	2	X	X					
40	AN919-1S	. Reducer	2	X	X					
50	601002-4-0120	. Flex Line-Fuel Vent	2	X	X					
60	28-12100-13	. Fuel Vent Line	1	X	X					
70	AN832-4D	. Bulkhead Fitting	1	X	X					
80	AN960-716	. Washer	1	X	X					
90	AN924-4D	. Nut	2	X	X					
100	AN815-4D	. Union	4	X	X					
110	28-12100-6	. Manifold Pressure Line	1	X	X					
120▲	MS20823-4D	. Elbow 45°	1	X	X					
130	28-18103-3	. Fuel Pressure Line	1	X	X					
140	28-18103-5	. Fuel Pressure Line	1	X	X					
150	28-18103-6	. Pitot Pressure Line	1	X	X					
160	28-18103-7	. Pitot Pressure Line	1	X	X					

NOTE: Information contained herein represents components as installed at the time of manufacture.

▲ Last three digits of "MS" basic number are the equivalent "AN" part number.

ENSTROM F-28/280 SERIES ILLUSTRATED PARTS CATALOG

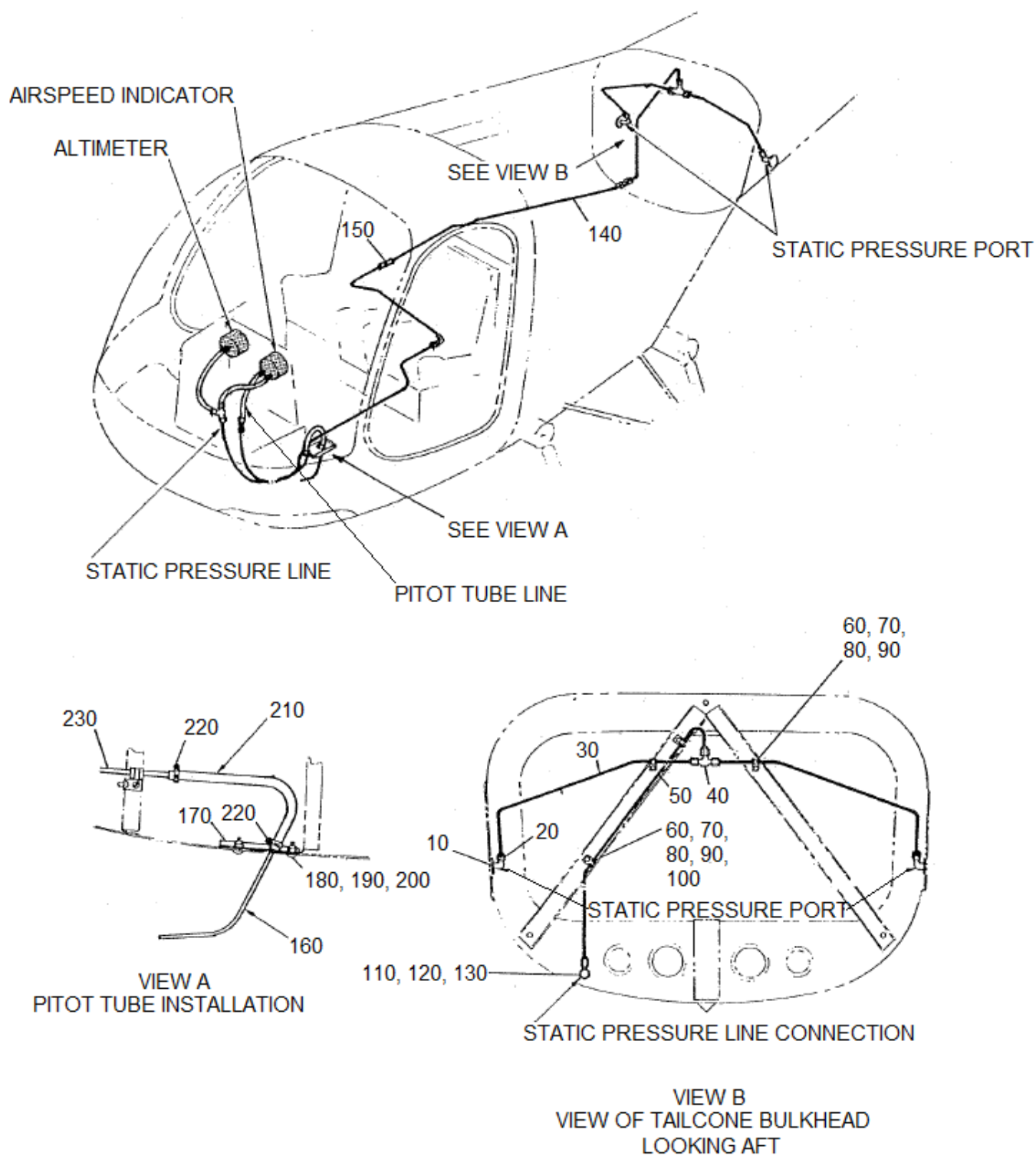


FIGURE 11-11. PITOT STATIC SYSTEM INSTALLATION

ENSTROM F-28/280 SERIES ILLUSTRATED PARTS CATALOG

FIGURE 11-11. PITOT STATIC SYSTEM INSTALLATION

ITEM NUMBER	PART NUMBER	DESCRIPTION	QTY PER ASSY	MODELS AFFECTED						
				F-28A	280	F-28C	280C	F-28F	280F	280FX
10	28-18103-4	. Fitting - Vent	2	X	X	X	X	X	X	X
20	AN822-4D	. Elbow	2	X	X	X	X	X	X	X
30	28-18113-1	. Static Vent Line	2	X	X	X	X	X	X	X
40	AN834-4D	. Tee Fitting	1	X	X	X	X	X	X	X
50	28-18112-1	. Static Vent Line	1	X	X	X	X	X	X	X
60	MS21919F4	. Clamp	4	X	X	X	X	X	X	X
70	AN526-1032R8	. Screw	4	X	X	X	X	X	X	X
80	NAS1149C0332R	. Washer	8	X	X	X	X	X	X	X
80	AN960C10L	. Washer (Alternate)	8	X	X	X	X	X	X	X
90	MS21044N3	. Nut	4	X	X	X	X	X	X	X
90	AN365-1032A	. Nut (Superseded by MS21044N3)	4	X	X	X	X	X	X	X
100	AN743-13	. Clip	2	X	X	X	X	X	X	X
110	AN832-4D	. Union	1	X	X	X	X	X	X	X
120	NAS1149F0763P	. Washer	1	X	X	X	X	X	X	X
120	AN960-716	. Washer (Alternate)	1	X	X	X	X	X	X	X
130	AN924-4W	. Nut	1	X	X	X	X	X	X	X
130	AN924-4D	. Nut (Superseded by AN924-4W)	1	X	X	X	X	X	X	X
140	28-18103-4	. Vent Air Static	1	X	X	X	X	X	X	X
-140A	28-18103-7	. Pitot Static Pressure	1	X	X	X	X	X	X	X
150	AN815-4	. Union	1	X	X	X	X	X	X	X
160	28-11120-1	. Pitot Tube Assembly	1	X	X	X	X	X	X	X
170	28-11121-7	. Stiffener	1	X	X	X	X	X	X	X
180	MS27039-0808	. Screw	4	X	X	X	X	X	X	X
180	AN525-832R8	. Screw (Superseded by MS27039-0808)	4	X	X	X	X	X	X	X
190	NAS1149FN832P	. Washer	4	X	X	X	X	X	X	X
190	AN960-8	. Washer (Alternate)	4	X	X	X	X	X	X	X
200	MS21083N08	. Nut	4	X	X	X	X	X	X	X
200	AN364-832A	. Nut (Superseded by MS21083N08)	4	X	X	X	X	X	X	X

ENSTROM F-28/280 SERIES ILLUSTRATED PARTS CATALOG

FIGURE 11-11. PITOT STATIC SYSTEM INSTALLATION

ITEM NUMBER	PART NUMBER	DESCRIPTION	QTY PER ASSY	MODELS AFFECTED						
				F-28A	280	F-28C	280C	F-28F	280F	280FX
210	28-11121-4	. Silicone Tube	1	X	X	X	X	X	X	X
220	551-5	. Ty-Wrap	2	X	X	X	X	X	X	X
230	28-11121-901	. Pitot Pressure Line	1	X	X	X	X	X	X	X

ENSTROM F-28/280 SERIES ILLUSTRATED PARTS CATALOG

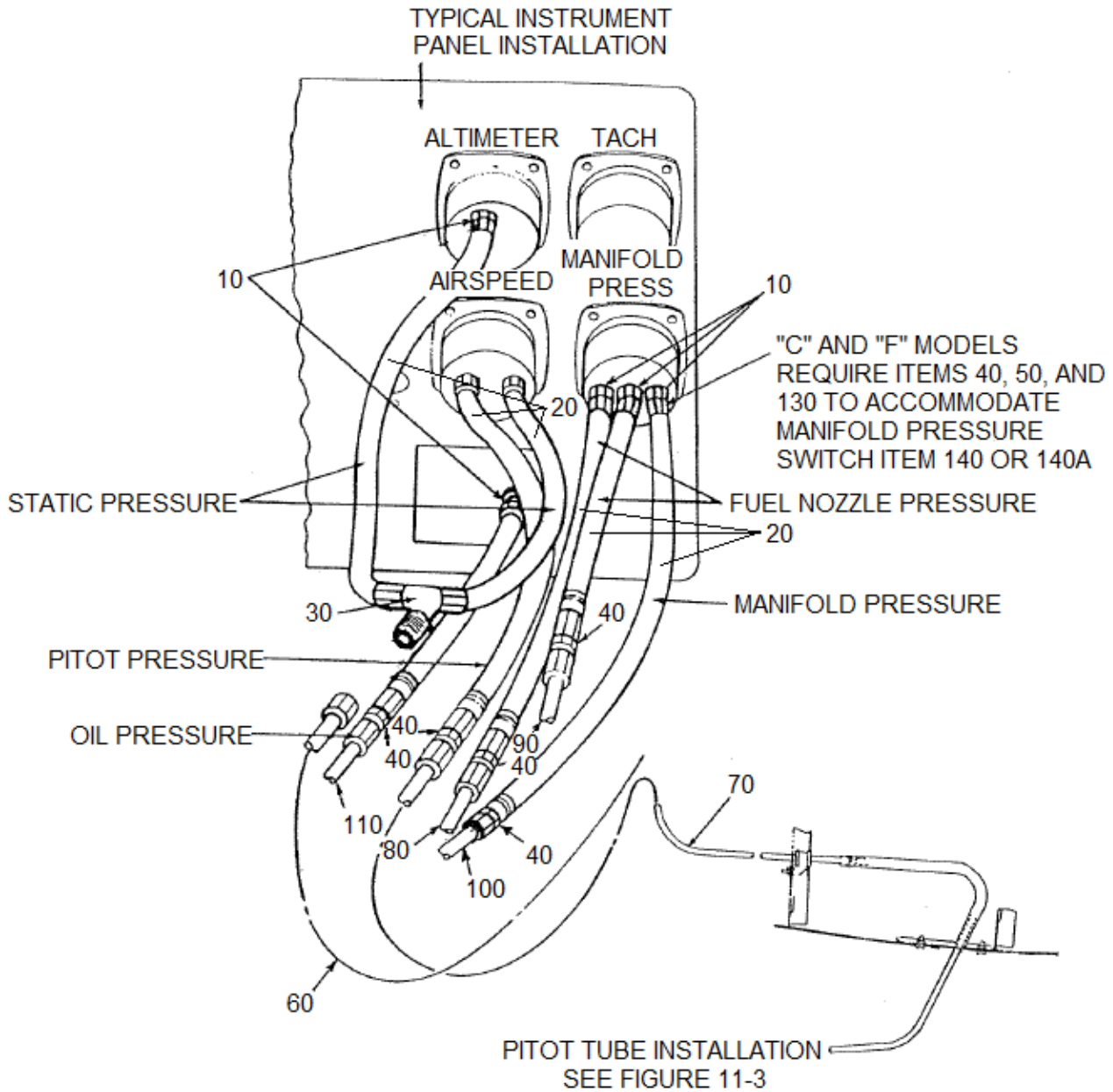


FIGURE 11-12. INSTRUMENT LINES CABIN AND PANEL

ENSTROM F-28/280 SERIES ILLUSTRATED PARTS CATALOG

FIGURE 11-12. INSTRUMENT LINES CABIN AND PANEL

ITEM NUMBER	PART NUMBER	DESCRIPTION	QTY PER ASSY	MODELS AFFECTED						
				F-28A	280	F-28C	280C	F-28F	280F	280FX
10	AN816-4D	. Nipple	8	X	X	X	X	X	X	X
20	28-18061-1	. Hose Assembly	7	X	X	X	X	X	X	X
30	AN824-4D	. Flared Tee	1	X	X	X	X	X	X	X
40	AN815-4D	. Union	4	X	X	X	X	X	X	X
50	AN917-4D	. Internal Thread Tee	2	X	X	X	X	X	X	X
60	28-18104-907	. Static Pressure Line	1	X		X	X	X	X	X
-60A	280-181000-919	. Static Pressure Line	1		X	X	X	X	X	X
70	28-11121-901	. Pitot Pressure Line	1	X		X	X	X	X	X
-70A	280-181000-921	. Pitot Pressure Line	1		X	X	X	X	X	X
80	28-18104-906	. Fuel Pressure Line	1	X		X	X	X	X	X
-80A	280-181000-917	. Fuel Pressure Line	1		X	X	X	X	X	X
90	28-18104-904	. Fuel Vent Line	1	X		X	X	X	X	X
-90A	280-181000-913	. Fuel Vent Line	1		X	X	X	X	X	X
100	28-18104-905	. Manifold Pressure Line	1	X		X	X	X	X	X
-100A	280-181000-915	. Manifold Pressure Line	1		X	X	X	X	X	X
110	28-18104-903	. Oil Pressure Line	1	X		X	X	X	X	X
-110A	280-181000-911	. Oil Pressure Line	1		X	X	X	X	X	X
120	AN911-4D	. Nipple – Hex Shoulder	1			X	X	X	X	X
130	AN816-4D	. Fitting	1			X	X	X	X	X
140	ECD079-11	. Manifold Pressure Switch	1			X	X			
-140A	ECD078-11	. Manifold Pressure Switch	1					X	X	X

ENSTROM F-28/280 SERIES ILLUSTRATED PARTS CATALOG

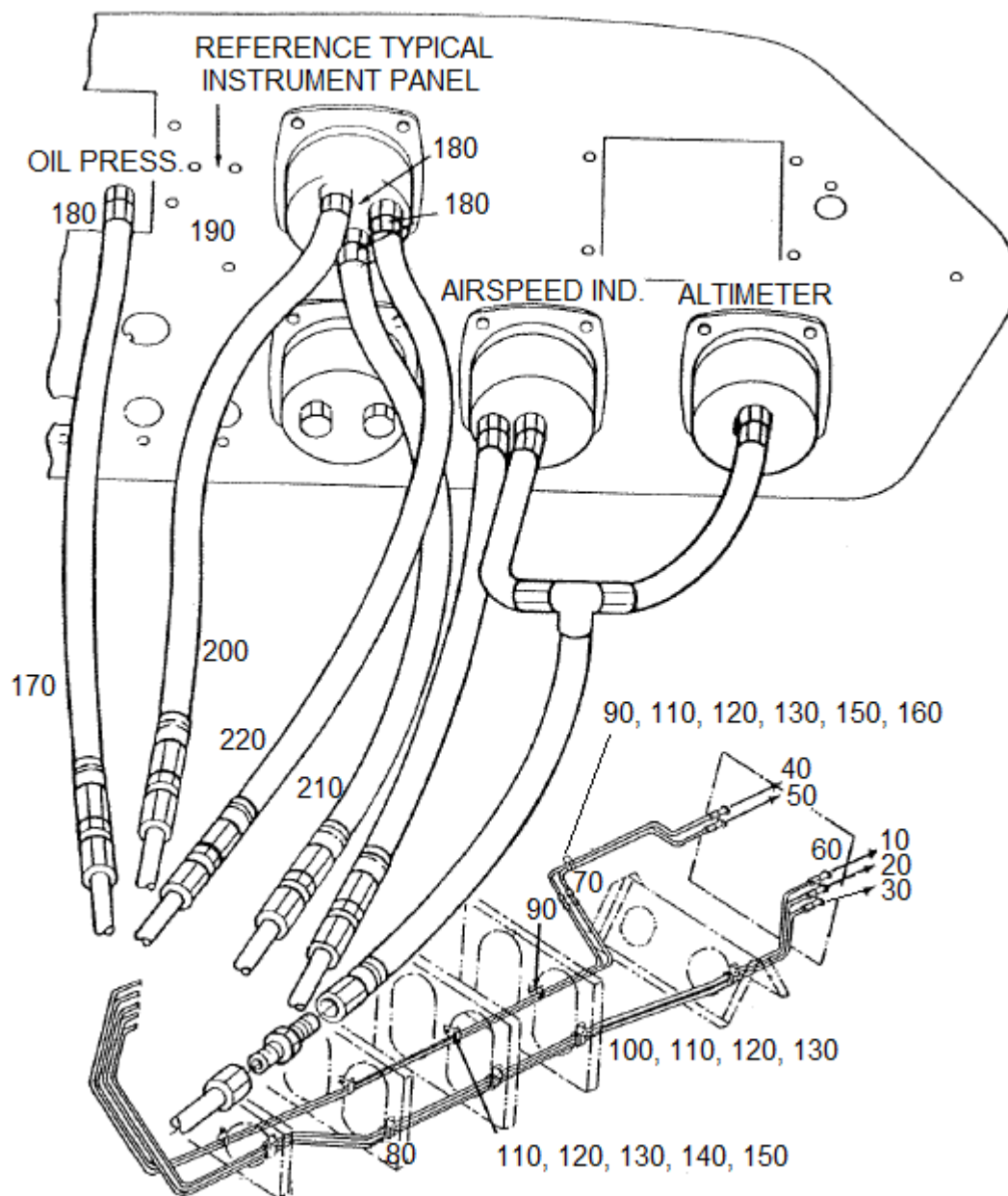


FIGURE 11-13. F-28A AND 280 INSTRUMENT LINES CABIN AND PANEL

ENSTROM F-28/280 SERIES ILLUSTRATED PARTS CATALOG

FIGURE 11-13. F-28A AND 280 INSTRUMENT LINES CABIN AND PANEL

ITEM NUMBER	PART NUMBER	DESCRIPTION	QTY PER ASSY	MODELS AFFECTED						
				F-28A	280	F-28C	280C	F-28F	280F	280FX
10	28-18104-903	. Oil Pressure Line	1	X	X					
20	28-18104-904	. Fuel Vent Line	1	X	X					
30	28-18104-905	. Manifold Pressure Line	1	X	X					
40	28-18104-906	. Fuel Pressure Line	1	X	X					
50	28-18104-907	. Pitot Pressure Line	1	X	X					
60	AN833-4	. Bulkhead Union Fitting	5	X	X					
70	AN815-4D	. Union	2	X	X					
80	439-4-8-2-6	. Adel Clamp	6	X	X					
90	444-4-4-2-6	. Adel Clamp	4	X	X					
100	AN515-8R10	. Screw	9	X	X					
110	AN340-8	. Nut	19	X	X					
120	AN960-8L	. Washer	31	X	X					
130	AN935-8	. Lock Washer	19	X	X					
140	AN743-13	. Bracket	9	X	X					
150	AN515-8R16	. Screw	10	X	X					
160	28-12400-12	. Spacer	1	X	X					
170	28-18061-1	. Oil Pressure Line Aero-Quip	1	X	X					
180	AN816-4D	. Coupling	5	X	X					
—*	49726	. Hobbs Switch	1	X	X					
—*	AN917-1D	. Fitting "T"	1	X	X					
190	AN911-1D	. Fitting	1	X	X					
200	28-18061-1	. Fuel Nozzle Pressure Line	1	X	X					
210	28-18061-1	. Manifold Pressure Line	1	X	X					
220	28-18061-1	. Fuel Nozzle Pressure Reference Line	1	X	X					

NOTE: Information contained herein represents components as installed at the time of manufacture.

* Optional equipment.

ENSTROM F-28/280 SERIES ILLUSTRATED PARTS CATALOG

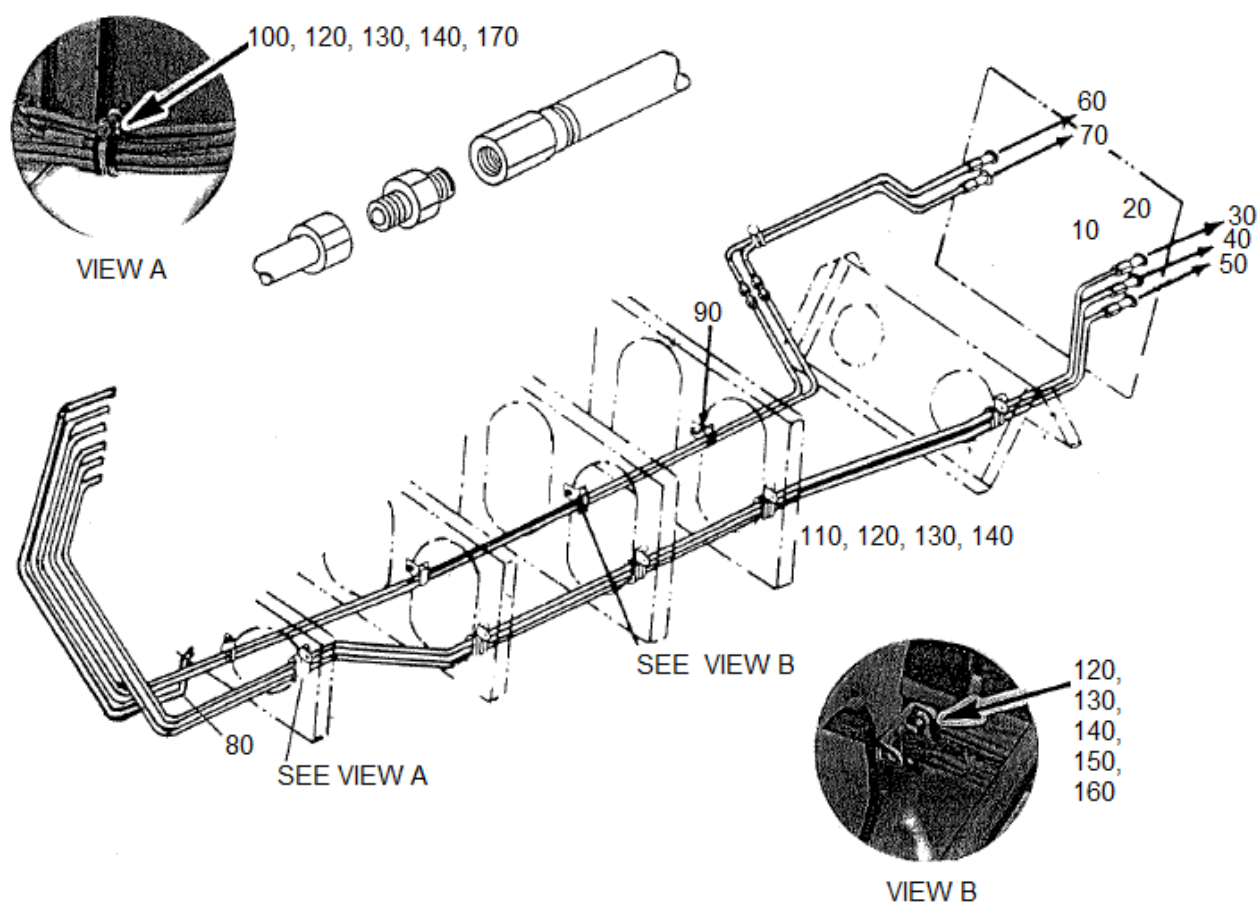


FIGURE 11-14. INSTRUMENT LINE INSTALLATION

ENSTROM F-28/280 SERIES ILLUSTRATED PARTS CATALOG

FIGURE 11-14. INSTRUMENT LINE INSTALLATION

ITEM NUMBER	PART NUMBER	DESCRIPTION	QTY PER ASSY	MODELS AFFECTED						
				F-28A	280	F-28C	280C	F-28F	280F	280FX
10	AN833-4	. Bulkhead Elbow	5	X	X	X	X	X	X	X
20	AN924-4	. Nut	5	X	X	X	X	X	X	X
30	28-18104-3	. Oil Pressure Line	1	X						
-30A	280-181000-911	. Oil Pressure Line	1		X	X	X	X	X	X
40	28-18104-4	. Fuel Vent Line	1	X						
-40A	280-181000-13	. Fuel Vent Line	1		X	X	X	X	X	X
50	28-18104-5	. Manifold Pressure Line	1	X						
-50A	280-181000-915	. Manifold Pressure Line	1		X	X	X	X	X	X
60*	28-18104-6	. Fuel Pressure Line Assembly	1	X						
-60A*	280-181000-917	. Fuel Pressure Line Assembly	1		X	X	X	X	X	X
70*	28-18104-7	. Static Pressure Line Assembly	1	X						
-70A*	280-181000-919	. Static Pressure Line Assembly	1		X	X	X	X	X	X
80	28-11121-4	. Pitot Pressure Line	1	X						
-80A	280-181000-921	. Pitot Pressure Line	1		X	X	X	X	X	X
90	444-4-4-2-6	. Adel Clamp	A/R	X	X	X	X	X	X	X
100	28-18033-1	. Spacer	A/R	X	X	X	X	X	X	X
110	MS35206-249	. Screw	A/R	X	X	X	X	X	X	X
110	AN515-8-16	. Screw (Superseded by MS35206-249)	A/R	X	X	X	X	X	X	X
120	NAS1149FN816P	. Washer	A/R	X	X	X	X	X	X	X
120	AN960-8L	. Washer (Alternate)	A/R	X	X	X	X	X	X	X
130	MS35338-42	. Locker Washer	A/R	X	X	X	X	X	X	X
130	AN935-8	. Lock Washer (Alternate)	A/R	X	X	X	X	X	X	X
140	MS35649-282	. Nut	A/R	X	X	X	X	X	X	X
140	AN340-8	. Nut (Superseded by MS35649-282)	A/R	X	X	X	X	X	X	X
150	AN743-13	. Bracket – Support	A/R	X	X	X	X	X	X	X
—	439-4-8-2-6	. Adel Clamp	A/R	X	X	X	X	X	X	X
—	AN515-8-10	. Screw	A/R	X	X	X	X	X	X	X

ENSTROM F-28/280 SERIES ILLUSTRATED PARTS CATALOG

FIGURE 11-14. INSTRUMENT LINE INSTALLATION

ITEM NUMBER	PART NUMBER	DESCRIPTION	QTY PER ASSY	MODELS AFFECTED						
				F-28A	280	F-28C	280C	F-28F	280F	280FX
160	AN515-8-8	. Screw	A/R	X	X	X	X	X	X	X
—	MS21919CJ15	. Clamp	A/R	X	X	X	X	X	X	X
—	MS21919-DG-15	. Clamp (Superseded by MS51919CJ15)	A/R	X	X	X	X	X	X	X
170	AN515-8-20	. Screw	A/R	X						
—	MS35206-251	. Screw	A/R		X	X	X	X	X	X
—	AN515-8-24	. Screw (Superseded by MS35206- 251)	A/R		X	X	X	X	X	X

* Complete line assembly with AN815-4D included in F-28C2 models get 280 model parts.

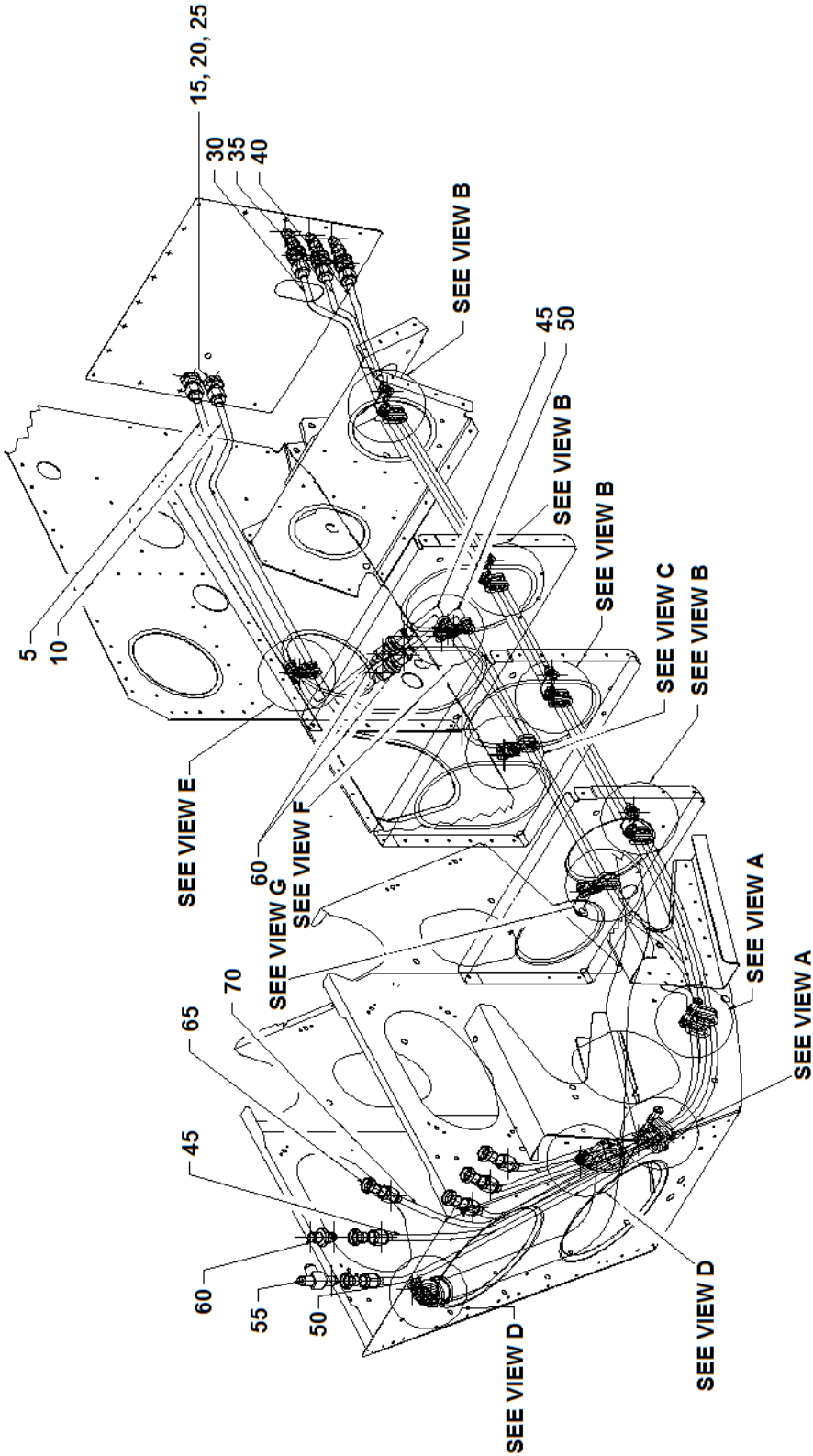
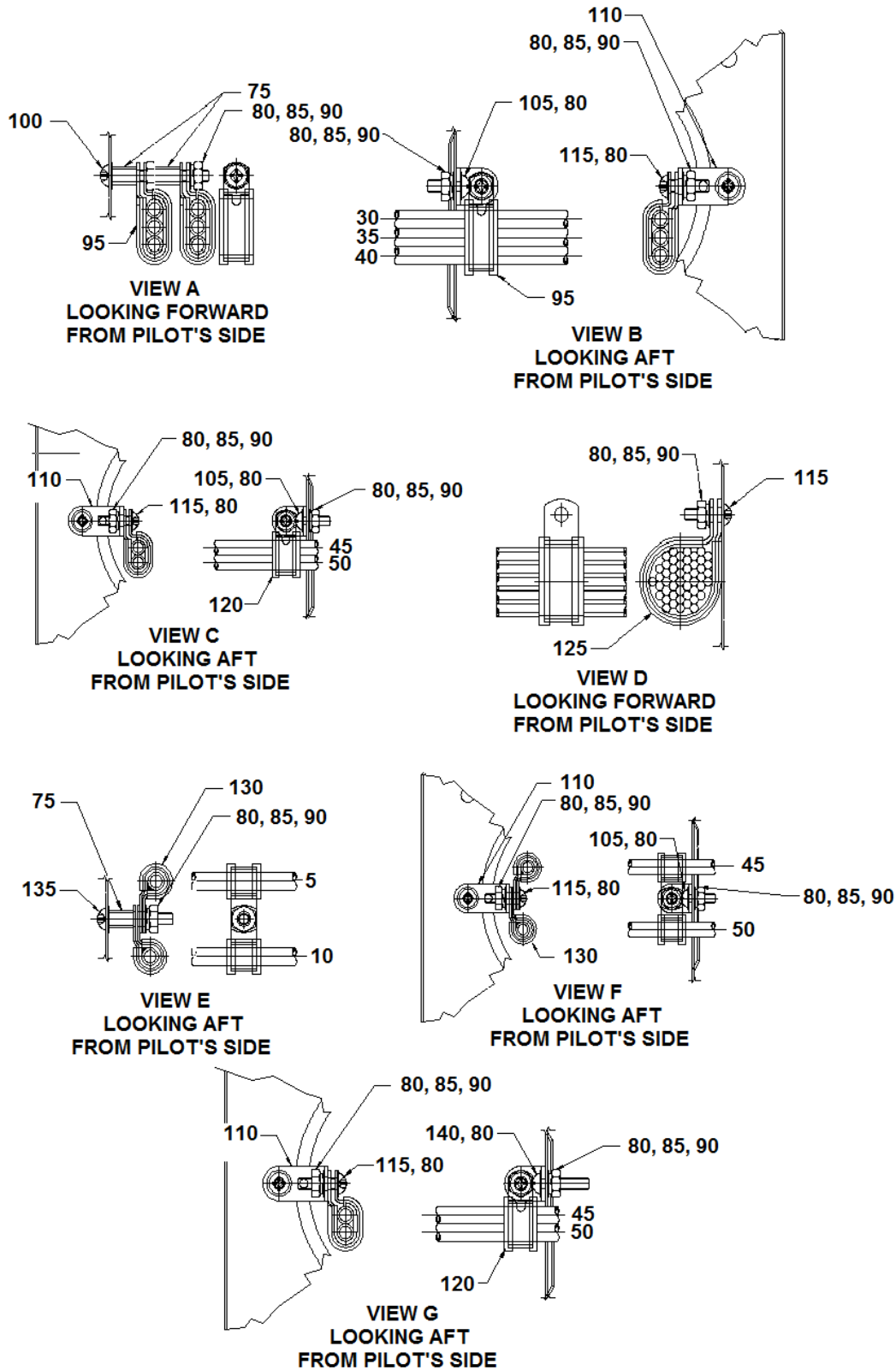


FIGURE 11-15. INSTRUMENT/SYSTEM LINE INSTALLATION

ENSTROM F-28/280 SERIES ILLUSTRATED PARTS CATALOG



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FIGURE 11-15. INSTRUMENT/SYSTEM LINE INSTALLATION

ENSTROM F-28/280 SERIES ILLUSTRATED PARTS CATALOG

FIGURE 11-15. INSTRUMENT/SYSTEM LINE INSTALLATION

ITEM NUMBER	PART NUMBER	DESCRIPTION	QTY PER ASSY	MODELS AFFECTED						
				F-28A	280	F-28C	280C	F-28F	280F	280FX
–	280-181000-1	Vent Line Installation	REF			X	X	X	X	X
5	280-181000-17	. Fuel Pressure Tube	1			X	X	X	X	X
–	AN818-4D	. Nut	2			X	X	X	X	X
–	MS20819-4D	. Sleeve	2			X	X	X	X	X
–	28-12473-11	. Placard (FUEL)	2			X	X	X	X	X
10	280-181000-19	. Static Pressure Tube	1			X	X	X	X	X
–	AN818-4D	. Nut	2			X	X	X	X	X
–	MS20819-4D	. Sleeve	2			X	X	X	X	X
–	28-12470-11	. Placard (STATIC PRESSURE)	2			X	X	X	X	X
15	AN833-4D	. Union Elbow	5			X	X	X	X	X
20	NAS1149F0763P	. Washer	10			X	X	X	X	X
25	AN924-4	. Nut	5			X	X	X	X	X
30	280-181000-11	. Oil Pressure Tube	1			X	X	X	X	X
–	AN818-4D	. Nut	2			X	X	X	X	X
–	MS20819-4D	. Sleeve	2			X	X	X	X	X
–	28-12474-11	. Placard (LUBRICATION)	2			X	X	X	X	X
35	280-181000-13	. Static Fuel Tube	1			X	X	X	X	X
–	AN818-4D	. Nut	2			X	X	X	X	X
–	MS20819-4D	. Sleeve	2			X	X	X	X	X
–	28-12475-11	. Placard (FUEL STATIC PRESSURE)	2			X	X	X	X	X
40	280-181000-15	. Manifold Pressure Tube	1			X	X	X	X	X
–	AN818-4D	. Nut	2			X	X	X	X	X
–	MS20819-4D	. Sleeve	2			X	X	X	X	X
–	28-12471-11	. Placard (MANIFOLD PRESSURE)	2			X	X	X	X	X
45	280-181000-23	. Fuel Pressure Tube	1			X	X	X	X	X
–	AN818-4D	. Nut	2			X	X	X	X	X

ENSTROM F-28/280 SERIES ILLUSTRATED PARTS CATALOG

FIGURE 11-15. INSTRUMENT/SYSTEM LINE INSTALLATION

ITEM NUMBER	PART NUMBER	DESCRIPTION	QTY PER ASSY	MODELS AFFECTED						
				F-28A	280	F-28C	280C	F-28F	280F	280FX
–	MS20819-4D	. Sleeve	2			X	X	X	X	X
–	28-12473-11	. Placard (FUEL)	2			X	X	X	X	X
50	280-181000-25	. Static Pressure Tube	1			X	X	X	X	X
–	AN818-4D	. Nut	2			X	X	X	X	X
–	MS20819-4D	. Sleeve	2			X	X	X	X	X
–	28-12470-11	. Placard (STATIC PRESSURE)	2			X	X	X	X	X
55	AN824-4D	. Tee	1			X	X	X	X	X
60	AN815-4D	. Union	7			X	X	X	X	X
65	NO NUMBER	. Protective Cap/Plug	6			X	X	X	X	X
70	280-181000-21	. Air Speed Tube	1			X	X	X	X	X
–	AN818-4D	. Nut	1			X	X	X	X	X
–	MS20819-4D	. Sleeve	1			X	X	X	X	X
–	28-12472-11	. Placard (AIRSPEED)	2			X	X	X	X	X
75	28-18033-11	. Spacer	5			X	X	X	X	X
80	NAS1149FN816P	. Washer	36			X	X	X	X	X
85	MS35338-42	. Lock Washer	19			X	X	X	X	X
90	MS35649-282	. Nut	21			X	X	X	X	X
95	439-4-8-2-6	. Clamp	8			X	X	X	X	X
100	MS35206-251	. Screw	2			X	X	X	X	X
105	MS35206-245	. Screw	6			X	X	X	X	X
110	AN743-13	. Bracket	7			X	X	X	X	X
115	MS35206-246	. Screw	9			X	X	X	X	X
120	444-4-2-6	. Clamp	2			X	X	X	X	X
125	MS21919WDG15	. Clamp	2			X	X	X	X	X
130	MS21919WF4	. Clamp	4			X	X	X	X	X
135	MS35206-249	. Screw	1			X	X	X	X	X

ENSTROM F-28/280 SERIES ILLUSTRATED PARTS CATALOG

FIGURE 11-15. INSTRUMENT/SYSTEM LINE INSTALLATION

ITEM NUMBER	PART NUMBER	DESCRIPTION	QTY PER ASSY	MODELS AFFECTED						
				F-28A	280	F-28C	280C	F-28F	280F	280FX
140	MS35206-247	. Screw	1			X	X	X	X	X

ENSTROM F-28/280 SERIES ILLUSTRATED PARTS CATALOG

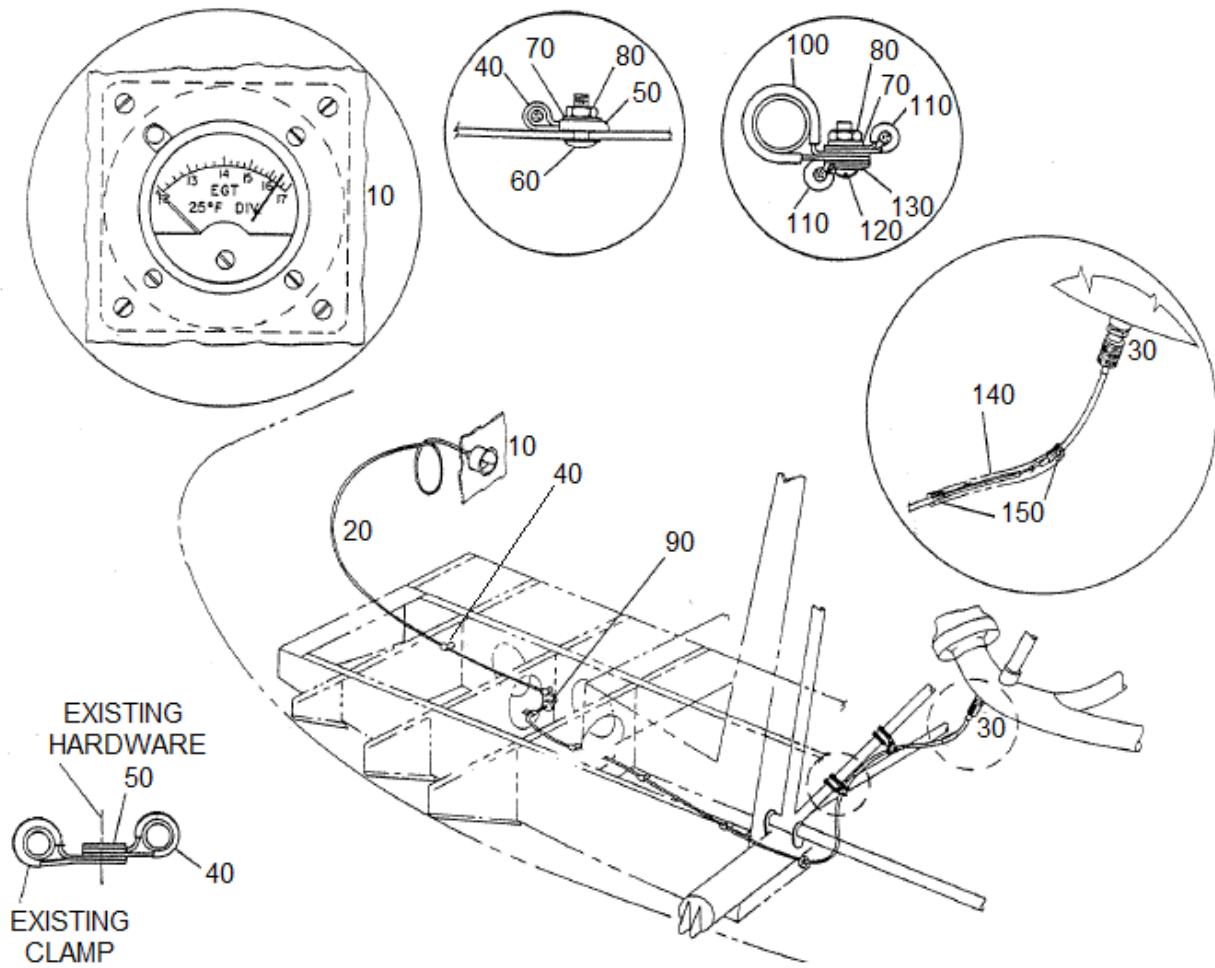


FIGURE 11-16. TURBINE INLET TEMPERATURE INDICATOR INSTALLATION

ENSTROM F-28/280 SERIES ILLUSTRATED PARTS CATALOG

FIGURE 11-16. TURBINE INLET TEMPERATURE INDICATOR INSTALLATION

ITEM NUMBER	PART NUMBER	DESCRIPTION	QTY PER ASSY	MODELS AFFECTED						
				F-28A	280	F-28C	280C	F-28F	280F	280FX
10	202A-13BTR	. Gauge	1			X	X	X	X	X
20	MC1-106-140	. Extension Lead	1			X	X	X	X	X
30	MC1-A106B	. Probe Assembly	1			X	X	X	X	X
40	CCH25-S10	. Clamp	6			X	X	X	X	X
40	1/4-6NA	. Clamp (Superseded by CCH25-S10)	6			X	X	X	X	X
50	DG-167	. D Washer	6			X	X	X	X	X
60	MS27039-808	. Screw	4			X	X	X	X	X
60	AN525-832R8	. Screw (Superseded by MS27039-808)	4			X	X	X	X	X
70	MS35338-42	. Lock Washer	6			X	X	X	X	X
70	AN935-8	. Lock Washer (Alternate)	6			X	X	X	X	X
80	MS35649-282	. Nut	6			X	X	X	X	X
80	AN340-8	. Nut (Superseded by MS25649-282)	6			X	X	X	X	X
90	MS35489-6	. Grommet	3			X	X	X	X	X
90	AN931-4-7	. Grommet (Superseded by MS35489-6)	3			X	X	X	X	X
100	MS21919DF-12	. Clamp	2			X	X	X	X	X
110	MS21919DF-3	. Clamp	2			X	X	X	X	X
120	MS35206-246	. Screw	2			X	X	X	X	X
120	AN515-8R10	. Screw (Superseded by MS35206-246)	2			X	X	X	X	X
130	NAS1149FN816P	. Washer	4			X	X	X	X	X
130	AN960-8L	. Washer (Alternate)	4			X	X	X	X	X
140	28-181005-13	. Sleeve	1			X	X	X	X	X
150	CBR3S-M	. Cable Tie	2			X	X	X	X	X
150	SST2S-MP	. Cable Tie (Alternate)	2			X	X	X	X	X

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ENSTROM F-28/280 SERIES ILLUSTRATED PARTS CATALOG

FIGURE 11-17. GRAPHIC ENGINE MONITOR

ITEM NUMBER	PART NUMBER	DESCRIPTION	QTY PER ASSY	MODELS AFFECTED						
				F-28A	280	F-28C	280C	F-28F	280F	280FX
–	28-01026-3	Graphic Engine Monitor (GEM 610) Kit	REF					X	X	X
10	GEM 610	. Graphic Engine Monitor	1					X	X	X
20	AN515-6R3	. Screw	4					X	X	X
30	7101SYZQE	. Switch	1					X	X	X
30	MS75028-22	. Switch (Superseded by 7101SYZQE)	1					X	X	X
40	HHJ-A	. Fuse Holder – Inline	1					X	X	X
50	3AG-1A	. Fuse	1					X	X	X
60	MS35489-11	. Grommet	3					X	X	X
60	AN931-6-10	. Grommet (Superseded by MS35489-11)	3					X	X	X
70	CCH25-S10	. Clamp	6					X	X	X
80	MS35489-6	. Grommet	3					X	X	X
80	AN931-4-7	. Grommet (Superseded by MS35489-6)	3					X	X	X
90	MS21919WCJ3	. Clamp	1					X	X	X
90	MS21919DG3	. Clamp Superseded by MS21919WCJ3)	1					X	X	X
100	MS21919WCJ4	. Clamp	8					X	X	X
100	MS21919F4	. Clamp (Superseded by MS21919WCJ4)	8					X	X	X
110	MS21919WCJ6	. Clamp	1					X	X	X
110	MS21919F6	. Clamp (Superseded by MS21919WCJ6)	1					X	X	X
120	MS21919WCJ10	. Clamp	1					X	X	X
120	MS21919F10	. Clamp (Superseded by MS21919WCJ10)	1					X	X	X
130	MS21919WCJ12	. Clamp	2					X	X	X
130	MS21919DF12	. Clamp (Superseded by MS21919WCJ12)	2					X	X	X
140	MS21919WCJ16	. Clamp	1					X	X	X

ENSTROM F-28/280 SERIES ILLUSTRATED PARTS CATALOG

FIGURE 11-17. GRAPHIC ENGINE MONITOR

ITEM NUMBER	PART NUMBER	DESCRIPTION	QTY PER ASSY	MODELS AFFECTED						
				F-28A	280	F-28C	280C	F-28F	280F	280FX
140	MS21919DF16	. Clamp (Superseded by MS21919WCJ16)	1					X	X	X
150	MS35206-245	. Screw	12					X	X	X
150	AN515-8R8	. Screw (Superseded by MS35206-245)	12					X	X	X
160	NAS1149FN816P	. Washer	2					X	X	X
160	AN960-8L	. Washer (Alternate)	2					X	X	X
170	MS35338-42	. Lock Washer	12					X	X	X
170	AN935-8	. Lock Washer (Alternate)	12					X	X	X
180	MS35649-282	. Nut	12					X	X	X
180	AN340-832	. Nut (Superseded by MS35649-282)	12					X	X	X
190	CBR1M-M	. Cable Tie	30					X	X	X
190	CBR2M-M	. Cable Tie (Alternate)	30					X	X	X
190	SST1M-MP	. Cable Tie (Alternate)	30					X	X	X
200	CBR3I-M	. Cable Tie	10					X	X	X
200	CBR1.5I-M	. Cable Tie (Alternate)	10					X	X	X
200	SST1.5I-MP	. Cable Tie (Alternate)	10					X	X	X
210	CBR3S-M	. Cable Tie	10					X	X	X
210	SST2S-MP	. Cable Tie (Alternate)	10					X	X	X
—	LW-18959-175-34	. Clamp	6					X	X	X
—	28-01026-11	. Sleeve	A/R					X	X	X
220	28-22543-11	. Placard- Switch	1					X	X	X
230	2871	. Turbo Inlet Temperature Probe	1					X	X	X
240	2852	. Cylinder Head Temperature Probe	3					X	X	X
250	2870	. Exhaust Gas Temperature Probe	4					X	X	X
260	2855	. Dual Cylinder Head Temperature Probe	1					X	X	X

[illegible]

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ENSTROM F-28/280 SERIES ILLUSTRATED PARTS CATALOG

FIGURE 11-18. MECHANICAL TACHOMETER DRIVE INSTALLATION

ITEM NUMBER	PART NUMBER	DESCRIPTION	QTY PER ASSY	MODELS AFFECTED						
				F-28A	280	F-28C	280C	F-28F	280F	280FX
–	28-18020-1	Mechanical Tachometer Drive Installation	REF			X	X	X	X	X
–	28-18020-5	Tachometer Assembly	REF			X	X	X	X	X
–	28-18020-7	Tachometer Bracket Assembly	REF			X	X	X	X	X
5	AN3-11A	. Bolt, Machined	4			X	X	X	X	X
10	AN365-1032A	. Nut	4			X	X	X	X	X
15	AN960-10	. Washer	12			X	X	X	X	X
20	28-18028-1	. Bracket	1			X	X	X	X	X
25	MS21919WDG-5	. Clamp	4			X	X	X	X	X
30	MS21919WDG-14	. Clamp	3			X	X	X	X	X
35	MS21919WDG-12	. Clamp	1			X	X	X	X	X
40	AN515-8-R8	. Screw	4			X	X	X	X	X
45	AN960-8	. Washer	A/R			X	X	X	X	X
50	AN340-832	. Nut	4			X	X	X	X	X
55	AN935-8	. Lock Washer	4			X	X	X	X	X
60	ECD108-1	. Engine Tach Cable	1			X	X	X	X	X
65	ECD108-3	. Rotor Tach Cable	1			X	X	X	X	X
70	1911-B1	. Alemite Fitting	1			X	X	X	X	X
75	28-18031-3	. Pulley Weather Guard	1			X	X	X	X	X
80	NAS1611-333A	. O-Ring	2			X	X	X	X	X
85	28-18027-1	. Driver Pulley	1			X	X	X	X	X
90	28-18030-1	. Driven Pulley	1			X	X	X	X	X
95	79-012-062-0500	. Roll Pin	1			X	X	X	X	X
100	28-18024-5	. Drive Shaft Assembly	1			X	X	X	X	X
105	28-18034-1	. Spacer	1			X	X	X	X	X
110	N5000-62-PP	. Retaining Ring	1			X	X	X	X	X
115	ECD066-1	. Bearing	1			X	X	X	X	X
120	28-18026-3	. Output Housing	1			X	X	X	X	X

ENSTROM F-28/280 SERIES ILLUSTRATED PARTS CATALOG

FIGURE 11-18. MECHANICAL TACHOMETER DRIVE INSTALLATION

ITEM NUMBER	PART NUMBER	DESCRIPTION	QTY PER ASSY	MODELS AFFECTED						
				F-28A	280	F-28C	280C	F-28F	280F	280FX
125	B-710	. Needle Bearing	1			X	X	X	X	X
130	1886	. Type TC Oil Seal	1			X	X	X	X	X
130	B44-28-2	. Type B Oil Seal (Alternate)	1			X	X	X	X	X
135Δ	NK501-10-6	. Screw	4			X	X	X	X	X
140♦	NK500-8-A/R	. Screw	A/R			X	X	X	X	X

Δ NP501-10() screws are an acceptable alternate for NK501-10() screws.

♦ NP500-8() screws are an acceptable alternate for NK500-8() screws.

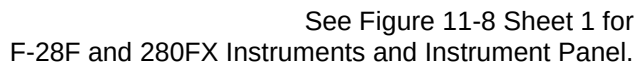
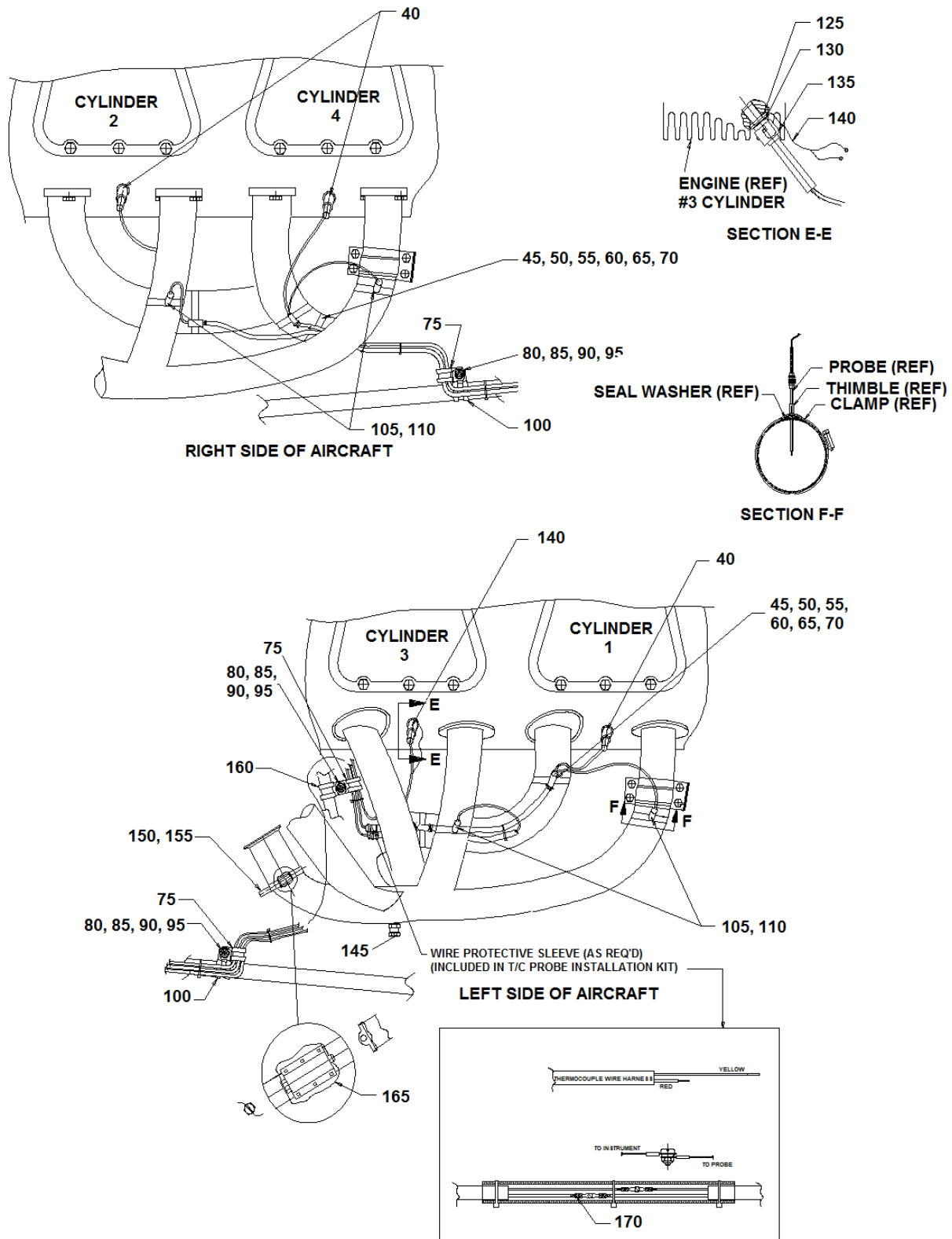


FIGURE 11-19. EDM-700-4C INSTALLATION

ENSTROM F-28/280 SERIES ILLUSTRATED PARTS CATALOG

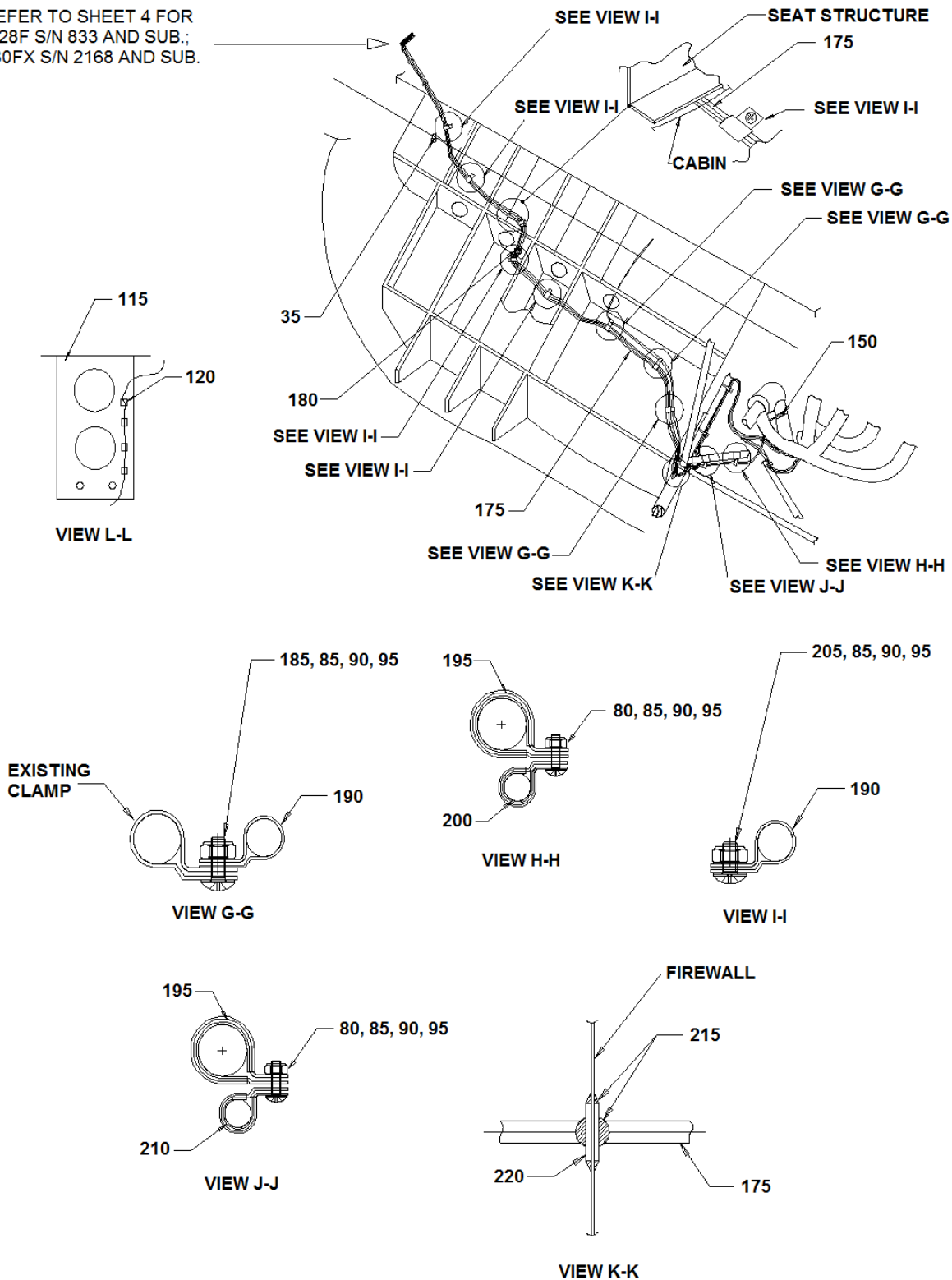


Sheet 2 of 4

FIGURE 11-19. EDM-700-4C INSTALLATION

ENSTROM F-28/280 SERIES ILLUSTRATED PARTS CATALOG

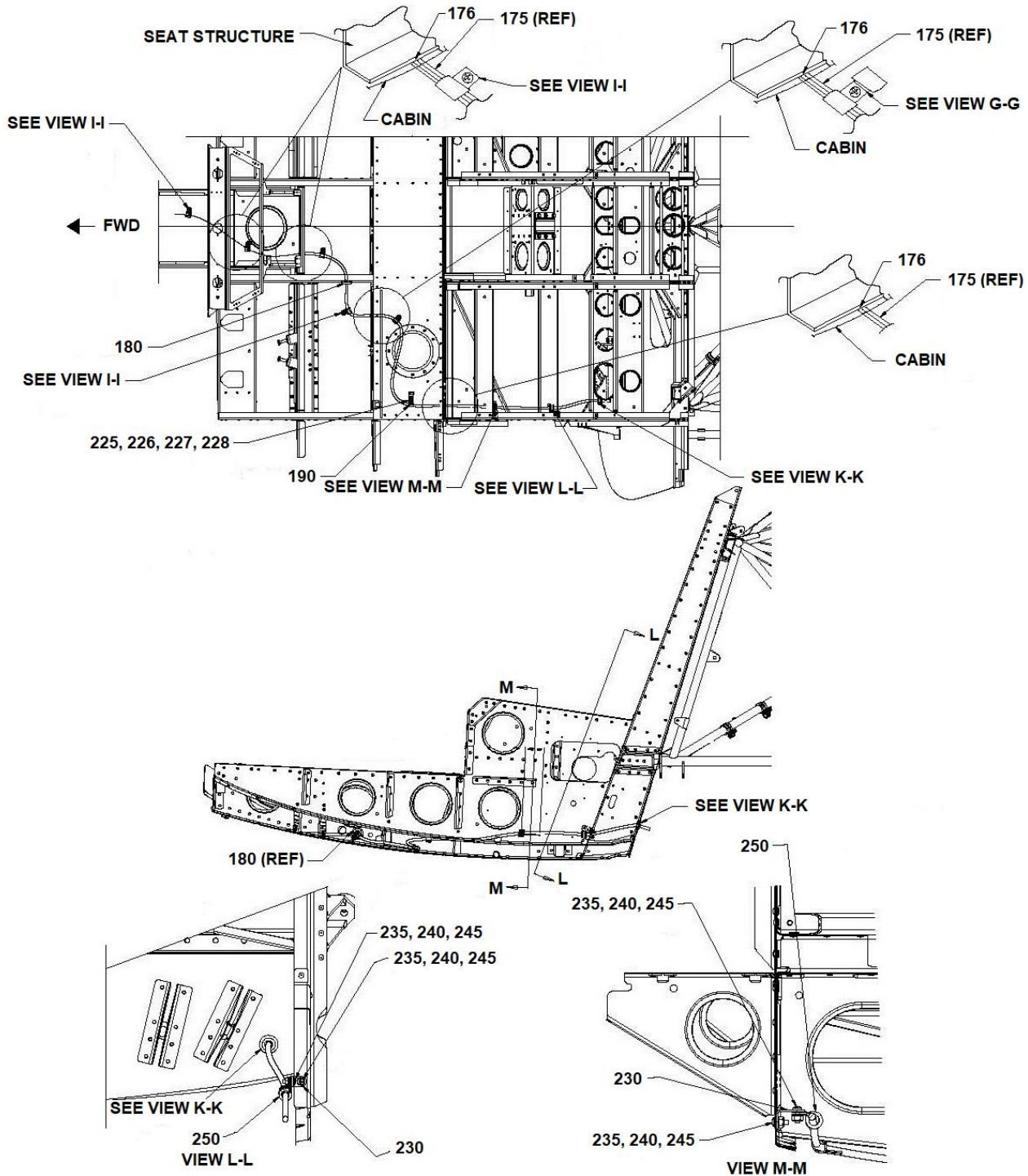
REFER TO SHEET 4 FOR
F-28F S/N 833 AND SUB.;
280FX S/N 2168 AND SUB.



Sheet 3 of 4

FIGURE 11-19. EDM-700-4C INSTALLATION

ENSTROM F-28/280 SERIES ILLUSTRATED PARTS CATALOG



F-28F S/N 833 AND SUBSEQUENT; 280FX S/N 2168 AND SUBSEQUENT

Sheet 4 of 4

FIGURE 11-19. EDM-700-4C INSTALLATION

ENSTROM F-28/280 SERIES ILLUSTRATED PARTS CATALOG

FIGURE 11-19. EDM-700-4C INSTALLATION

ITEM NUMBER	PART NUMBER	DESCRIPTION	QTY PER ASSY	MODELS AFFECTED						
				F-28A	280	F-28C	280C	F-28F	280F	280FX
—	28-22093-3	EDM-700-4C Installation	REF			X	X	X	X	X
5●	EGT-701-4C-A-T	. Indicator w/Software Pt# 302661-REV 3.062	1			X	X	X	X	X
10	28-22540-19	. Placard (DATA PORT EDM-700)	1			X	X	X	X	X
15	28-18167-5	. Accessory Panel Assembly	1			X	X	X	X	X
20	6 X 3/8	. Screw	4			X	X	X	X	X
25●	700200	. Harness (P1)	1			X	X	X	X	X
30*	7101SYZQE	. Switch	1			X	X	X	X	X
35●	400510	. OAT Probe w/Harness	1			X	X	X	X	X
40●	M-5050T	. CHT Probe	3			X	X	X	X	X
45	AN526-632R12	. Screw	6			X	X	X	X	X
50	NAS1149FN616P	. Washer	6			X	X	X	X	X
55	MS35338-41	. Lock Washer	6			X	X	X	X	X
60	MS35649-262	. Nut	6			X	X	X	X	X
65	LW-18959-175-34	. Clamp	6			X	X	X	X	X
70	28-01026-11	. Sleeve	6			X	X	X	X	X
75	S500-4	. Clamp	3			X	X	X	X	X
—	608036-1	. Tape	A/R			X	X	X	X	X
80	MS35206-245	. Screw	9			X	X	X	X	X
85	NAS1149FN816P	. Washer	23			X	X	X	X	X
90	MS35338-42	. Lock Washer	10			X	X	X	X	X
95	MS35649-282	. Nut	10			X	X	X	X	X
100	S500-16	. Clamp	2			X	X	X	X	X
—	608036-1	. Tape	A/R			X	X	X	X	X
105●	M-111	. EGT Probe	4			X	X	X	X	X
110	28-22094-13	. EGT Clamp	4			X	X	X	X	X
115	28-18165-5	. Seat Chassis Console	1			X	X	X	X	X
120	ABM1M-A-C	. Mount	4			X	X	X	X	X

ENSTROM F-28/280 SERIES ILLUSTRATED PARTS CATALOG

FIGURE 11-19. EDM-700-4C INSTALLATION

ITEM NUMBER	PART NUMBER	DESCRIPTION	QTY PER ASSY	MODELS AFFECTED						
				F-28A	280	F-28C	280C	F-28F	280F	280FX
125	ECD050-23	. Washer	1			X	X	X	X	X
125	28-22096-11	. Spacer (Alternate)	1			X	X	X	X	X
130	AN4076-1	. Adapter	1			X	X	X	X	X
135	AA86146	. Temperature Bulb	1			X	X	X	X	X
135	AN5546-1	. Temperature Bulb (Alternate)	1			X	X	X	X	X
135	102-00007	. Temperature Bulb (Alternate)	1			X	X	X	X	X
140●	MM-113-3/8	. CHT Probe	1			X	X	X	X	X
145	MS21913J4	. Plug	1			X	X	X	X	X
150●	M-111T	. TIT Probe	1			X	X	X	X	X
155	28-22094-11	. TIT Clamp	1			X	X	X	X	X
160	S500-10	. Clamp	1			X	X	X	X	X
—	608036-1	. Tape	A/R			X	X	X	X	X
165	MS20995C25	. Safety Wire	A/R			X	X	X	X	X
170	FIT-221V-3/32	. Shrink Tube	A/R			X	X	X	X	X
175●	700702-16	. Harness (P2)	1			X	X	X	X	X
176	GEE62FR-C	. Grommet Edging	A/R			X	X	X	X	X
—Δ	748-RTV	. Sealant	A/R			X	X	X	X	X
180	MS35489-14	. Grommet	1			X	X	X	X	X
185	AN525-832R10	. Screw	1			X	X	X	X	X
190	3/8-6NA	. Clamp	8			X	X	X	X	X
195	S500-12	. Clamp	2			X	X	X	X	X
—	608036-1	. Tape	A/R			X	X	X	X	X
200	S500-6	. Clamp	1			X	X	X	X	X
—	608036-1	. Tape	A/R			X	X	X	X	X
205	AN525-832R8	. Screw	4			X	X	X	X	X
210	S500-3	. Clamp	1			X	X	X	X	X
—	608036-1	. Tape	A/R			X	X	X	X	X
215	CP25WB+	. Fire Barrier Sealant	A/R			X	X	X	X	X
220	MS35489-11	. Grommet	1			X	X	X	X	X

ENSTROM F-28/280 SERIES ILLUSTRATED PARTS CATALOG

FIGURE 11-19. EDM-700-4C INSTALLATION

ITEM NUMBER	PART NUMBER	DESCRIPTION	QTY PER ASSY	MODELS AFFECTED						
				F-28A	280	F-28C	280C	F-28F	280F	280FX
225	1/2-6NA	. Clamp	REF					X		X
226	AN526-832R8	. Screw	REF					X		X
227	AN960-8L	. Washer	REF					X		X
228	AN364-832A	. Nut	REF					X		X
230	AN743-13	. Bracket	2					X		X
235	MS35206-245	. Screw	4					X		X
240	NAS1149FN816P	. Washer	8					X		X
245	MS21083N08	. Nut	4					X		X
250	MS21919WDG6	. Clamp	2					X		X

- Items included in EDM-700-4C Engine Data Management System.
- * This switch position applies, as shown, if equipped with an illuminated panel. See also Figure 11-1F Item 150 location.
- Δ Or equivalent. Contact Enstrom Product Support for alternative products.

ENSTROM F-28/280 SERIES ILLUSTRATED PARTS CATALOG

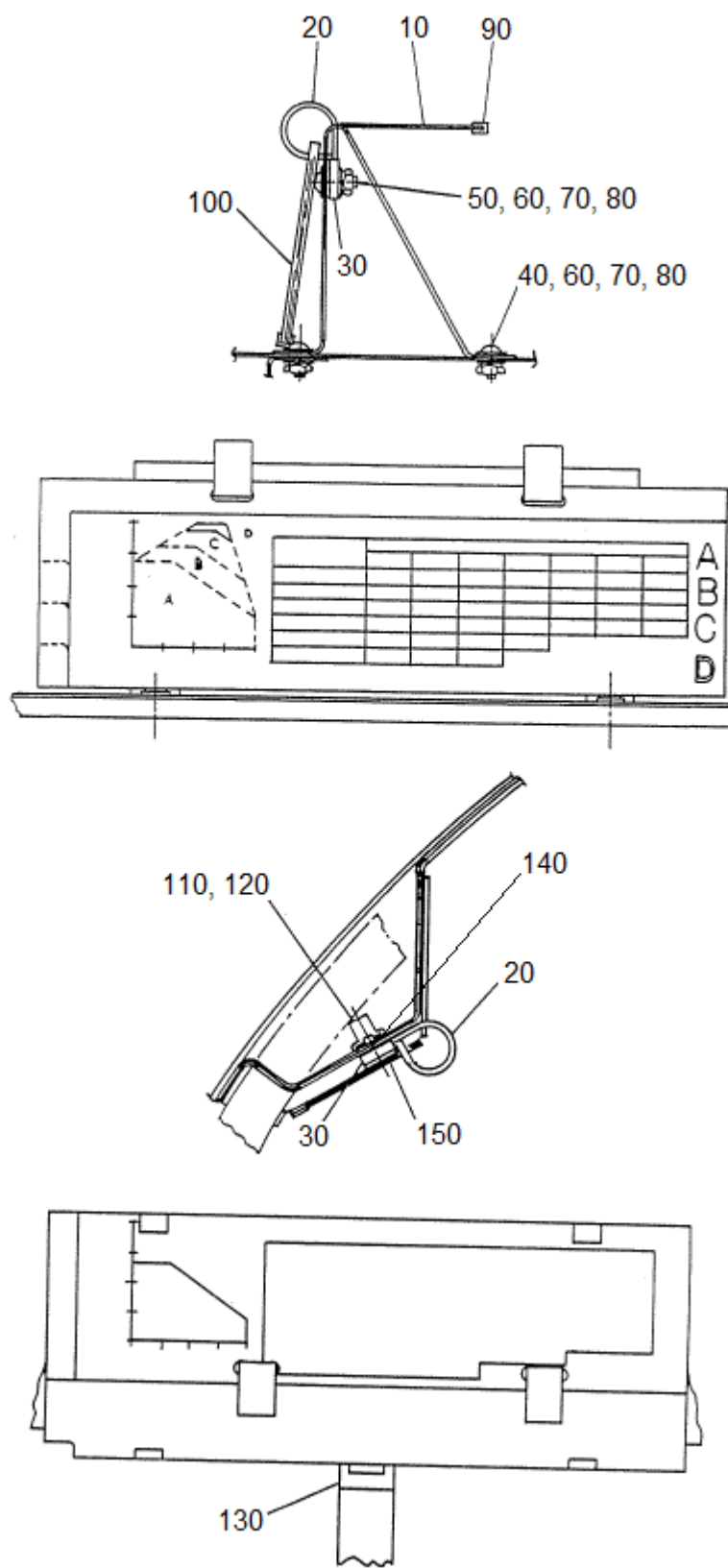


FIGURE 11-20. PLACARD BRACKET INSTALLATION

ENSTROM F-28/280 SERIES ILLUSTRATED PARTS CATALOG

FIGURE 11-20. PLACARD BRACKET INSTALLATION

ITEM NUMBER	PART NUMBER	DESCRIPTION	QTY PER ASSY	MODELS AFFECTED						
				F-28A	280	F-28C	280C	F-28F	280F	280FX
–	28-180051-1	Placard Bracket Installation (Inactive)	REF						X	
–	28-180051-3	Placard Bracket Installation (Inactive)	REF					X		
–	28-180051-5	Placard Bracket Installation (Floats) (Inactive)	REF					X	X	
–	28-180051-7	Placard Installation (MPH)	REF							X
–	28-180051-9	Placard Installation (MPH with Floats)	REF					X		X
–	28-180051-101	Placard Installation (Knots)	REF							X
–	28-180051-103	Placard Installation (Knots with Floats)	REF					X		X
–	28-180051-105	Placard Installation (MPH)	REF					X		
–	28-180051-107	Placard Installation (Knots)	REF					X		
10	28-180049-11	. Bracket	1					X	X	
20	F6YN-625BK	. Clamp	2					X	X	
20	5/8-6B	. Clamp (Replaced by F6YN- 625BK)	2					X	X	
30	D6SE-167GY	. Washer	2					X	X	
30	D6-167	. Washer (Replaced by D6SE- 167GY)	2					X	X	
40	MS35206-228	. Screw	4					X	X	
40	AN526-632R6	. Screw (Superseded by MS35206- 228)	4					X	X	
50	MS35206-229	. Screw	2					X	X	
50	AN526-632R7	. Screw (Superseded by MS35206- 229)	2					X	X	
60	AN960PD6L	. Washer	4					X	X	
70	MS35338-41	. Lock Washer	6					X	X	
70	AN935-6	. Lock Washer (Alternate)	6					X	X	
80	AN340-6	. Nut	6					X	X	
90	980-001	. Channel (X-142)	A/R					X	X	
90	AX142P	. Channel (Alternate to X-142)	A/R					X	X	

ENSTROM F-28/280 SERIES ILLUSTRATED PARTS CATALOG

FIGURE 11-20. PLACARD BRACKET INSTALLATION

ITEM NUMBER	PART NUMBER	DESCRIPTION	QTY PER ASSY	MODELS AFFECTED						
				F-28A	280	F-28C	280C	F-28F	280F	280FX
100	28-180050-1	. Plate Assembly	1						X	
−100A	28-180050-3	. Plate Assembly	1						X	
−100B	28-180050-5	. Plate Assembly	1						X	
−100C	28-180050-7	. Plate Assembly	1					X	X	
−100D	28-180050-9	. Plate Assembly	1					X		
−100E*	28-180050-11	. Plate Placard	1					X		
−100F*	28-180050-13	. Plate Placard	1					X		
−100G*	28-180050-15	. Plate Placard	1					X		
−100H*	28-180050-17	. Plate Placard	1					X		
−100E	28-180050-101	. Plate Assembly	1					X		
−100F	28-180050-103	. Plate Assembly	1					X		
−100G	28-180050-105	. Plate Assembly (Floats)	1					X	X	
−100H	28-180050-107	. Plate Assembly (Floats)	1					X	X	
−100I	28-180050-109	. Plate Assembly (Floats)	1					X	X	
−100J♦	28-180050-111	. Plate Assembly	1					X	X	
110	S8P-150	. Plus Nut	2					X		X
120	MS24693-S51	. Screw	2					X		X
120	AN507-832R10	. Screw (Superseded by MS24693-S51)	2					X		X
130	SJ-3501	. Loop (Velcro)	A/R					X		X
140	NAS1149D0463J	. Washer	2					X		X
140	AN960PD416	. Washer (Alternate)	2					X		X
150	28-180067-1	. Plate Assembly (Standard MPH/F°)	1							X
−150A	28-180067-3	. Plate Assembly (Standard MPH/F°)	1							X
−150B	28-180067-5	. Plate Assembly (Standard MPH/F°)	1							X
−150C	28-180067-7	. Plate Assembly (Standard MPH/F°)	1					X		X
−150D	28-180067-9	. Plate Assembly (MPH with Floats F°)	1					X		X

ENSTROM F-28/280 SERIES ILLUSTRATED PARTS CATALOG

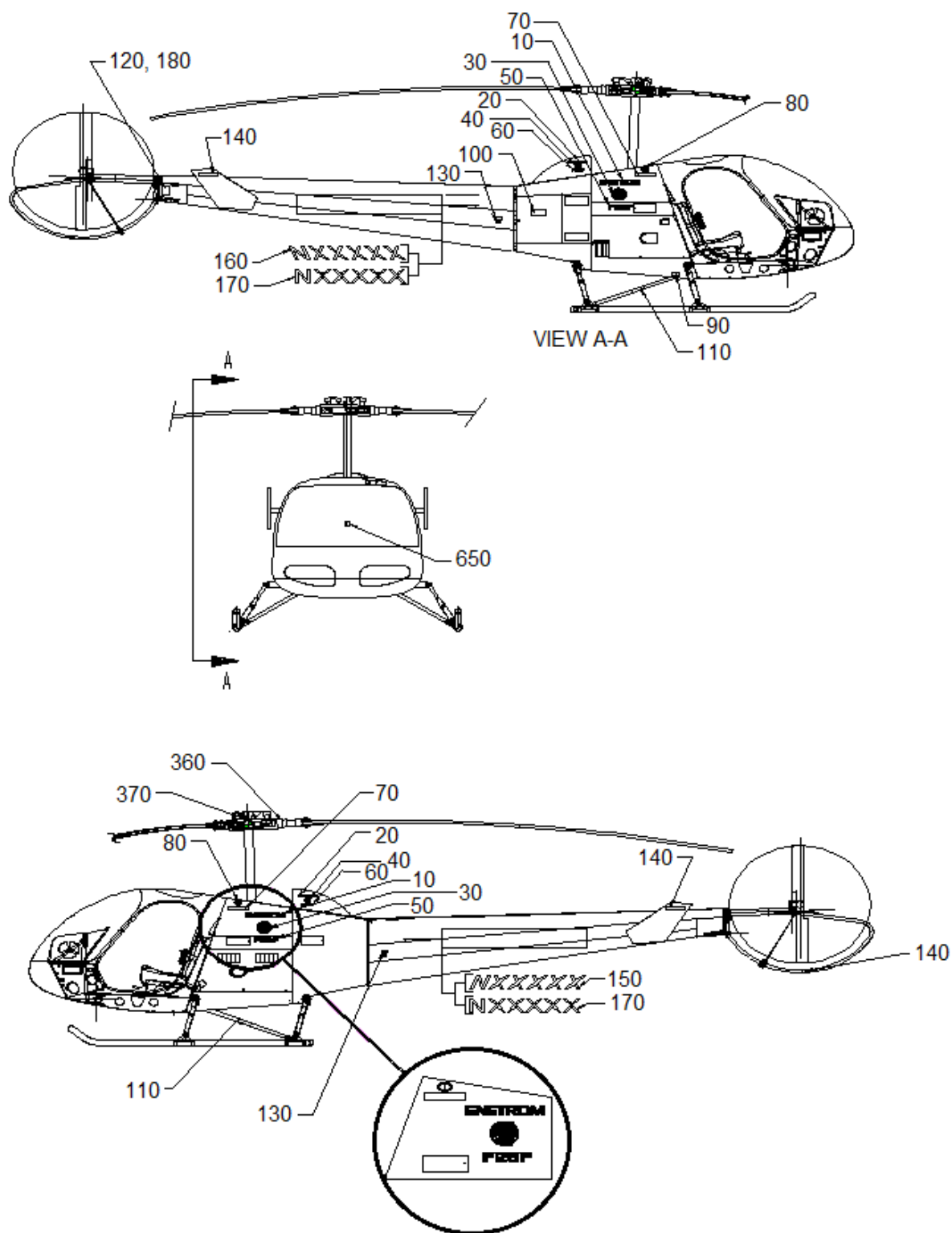
FIGURE 11-20. PLACARD BRACKET INSTALLATION

ITEM NUMBER	PART NUMBER	DESCRIPTION	QTY PER ASSY	MODELS AFFECTED						
				F-28A	280	F-28C	280C	F-28F	280F	280FX
-150E	28-180067-101	. Plate Assembly (MPH with Floats F°)	1					X		X
-150F	28-180067-103	. Plate Assembly (MPH with Floats F°)	1					X		X
-150G	28-180067-105	. Plate Assembly (Knots/C°)	1							X
-150H	28-180067-107	. Plate Assembly (Knots/C°)	1							X
-150I	28-180067-109	. Plate Assembly (Knots/C°)	1							X
-150J	28-180067-201	. Plate Assembly (Knots/C°)	1					X		X
-150K	28-180067-203	. Plate Assembly (Knots/C° with Floats)	1					X		X
-150L	28-180067-205	. Plate Assembly (Knots/C° with Floats)	1					X		X
-150M	28-180067-207	. Plate Assembly (Knots/C° with Floats)	1					X		X
-150N	28-180067-209	. Plate Assembly (Standard F°/MPH)	1					X		
-150O	28-180067-211	. Plate Assembly (Standard F°/MPH)	1					X		
-150P	28-180067-213	. Plate Assembly (Standard F°/MPH)	1					X		
-150Q	28-180067-215	. Plate Assembly (Knots/C°)	1					X		
-150R	28-180067-217	. Plate Assembly (Knots/C°)	1					X		
-150S	28-180067-219	. Plate Assembly (Knots/C°)	1					X		

* Used on foreign configured aircraft.

♦ Used on agricultural spray configured models only.

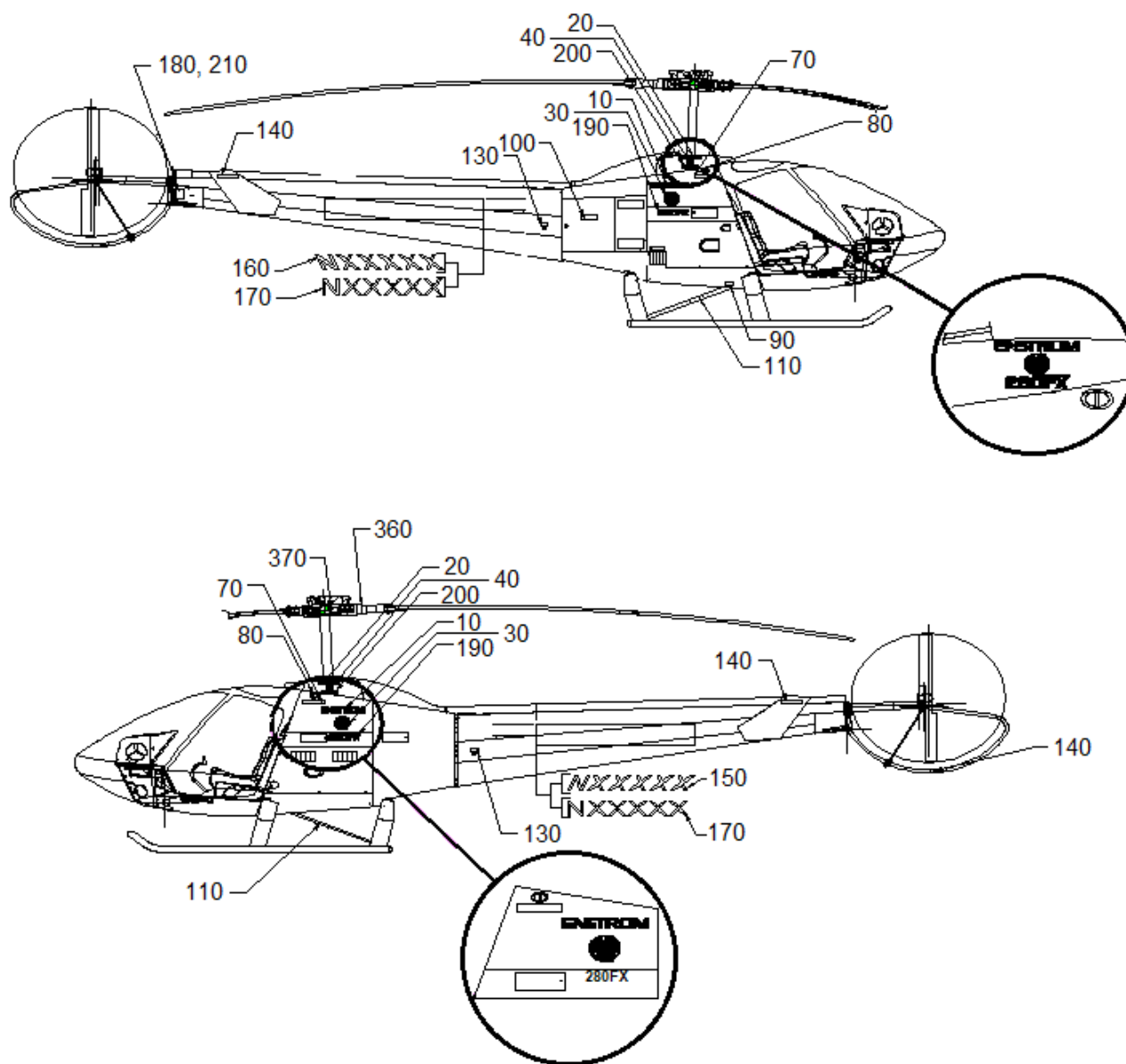
ENSTROM F-28/280 SERIES ILLUSTRATED PARTS CATALOG



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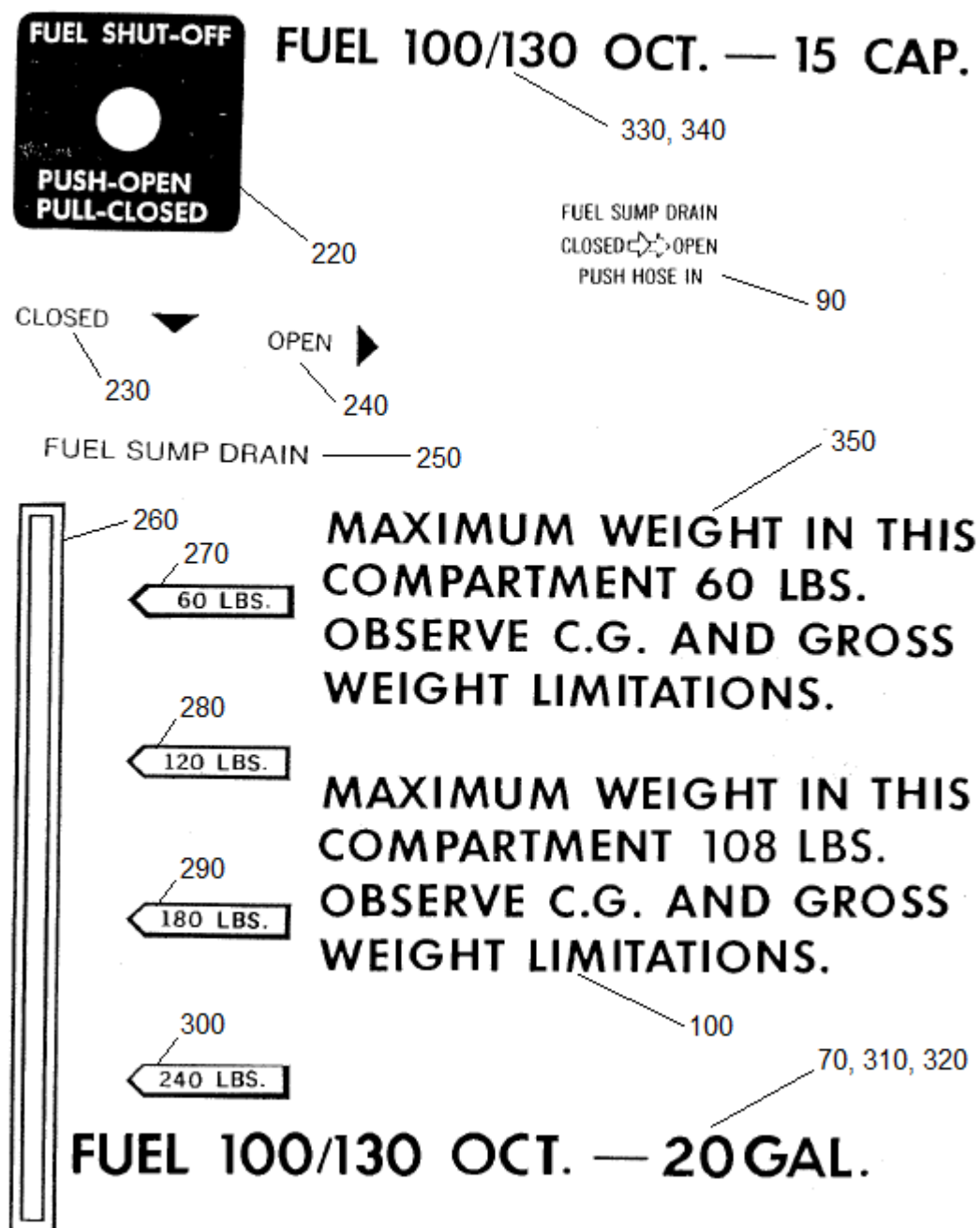
FIGURE 11-21. PLACARD INSTALLATION

ENSTROM F-28/280 SERIES ILLUSTRATED PARTS CATALOG



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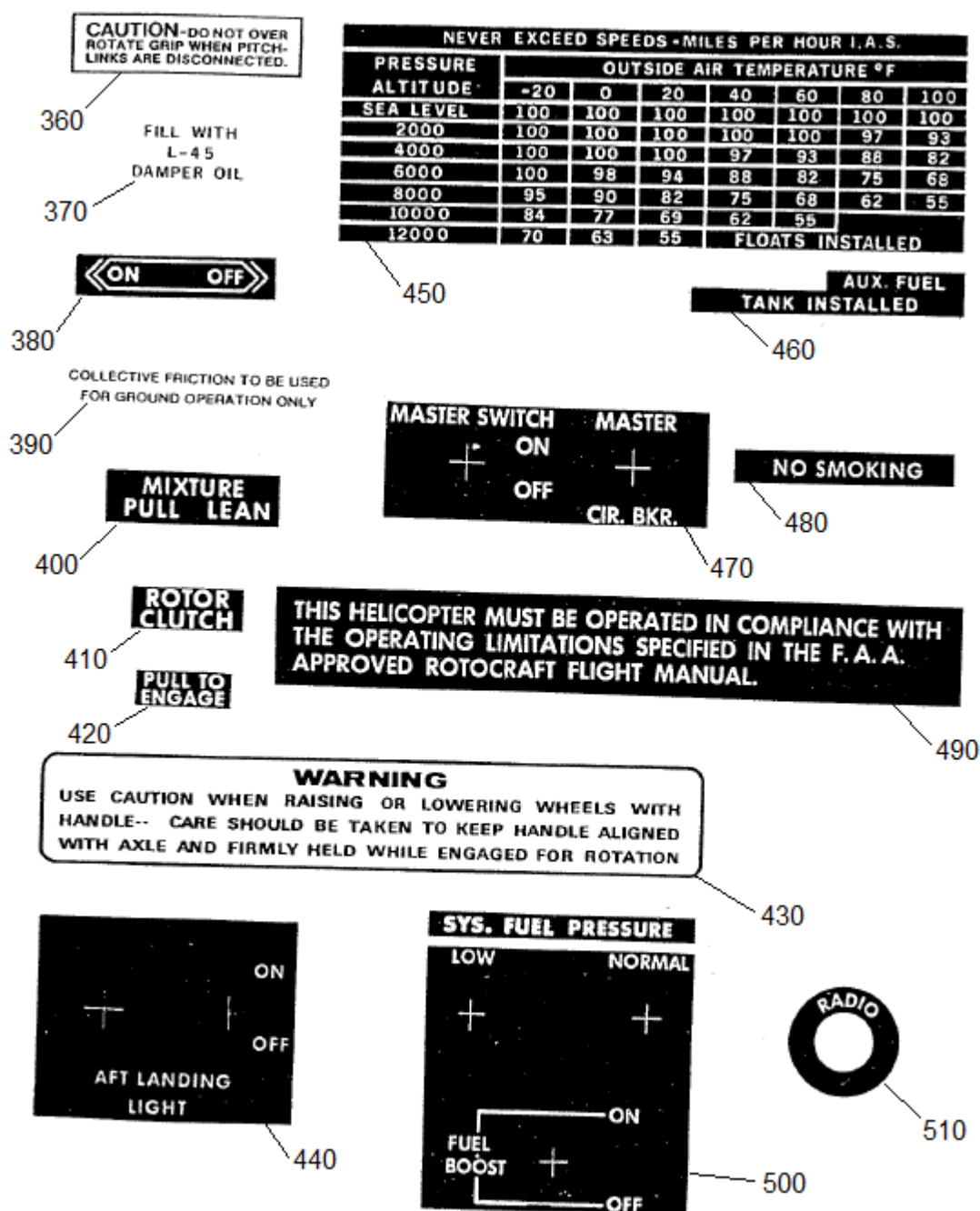
FIGURE 11-21. PLACARD INSTALLATION



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FIGURE 11-21. PLACARD INSTALLATION

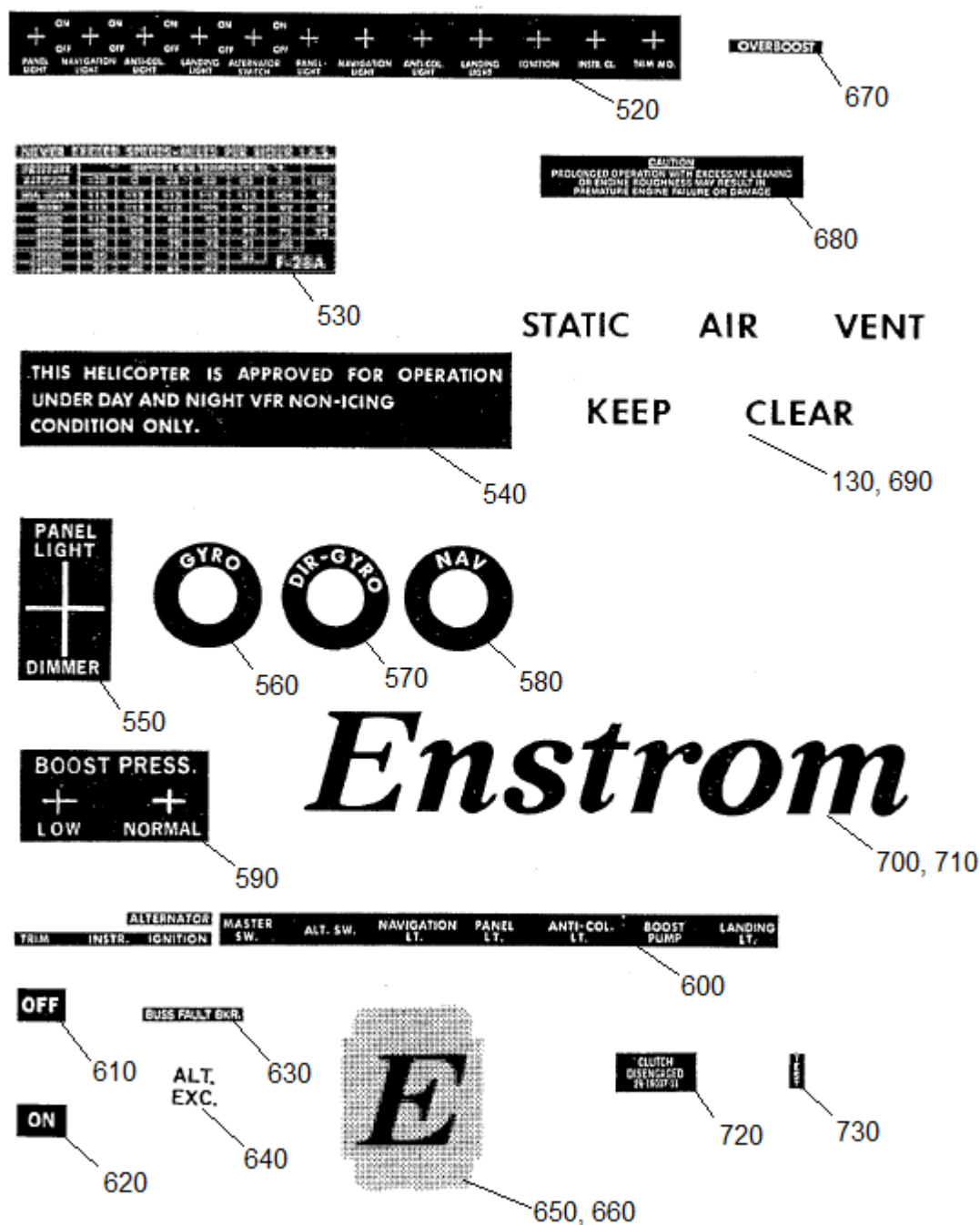
ENSTROM F-28/280 SERIES ILLUSTRATED PARTS CATALOG



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FIGURE 11-21. PLACARD INSTALLATION

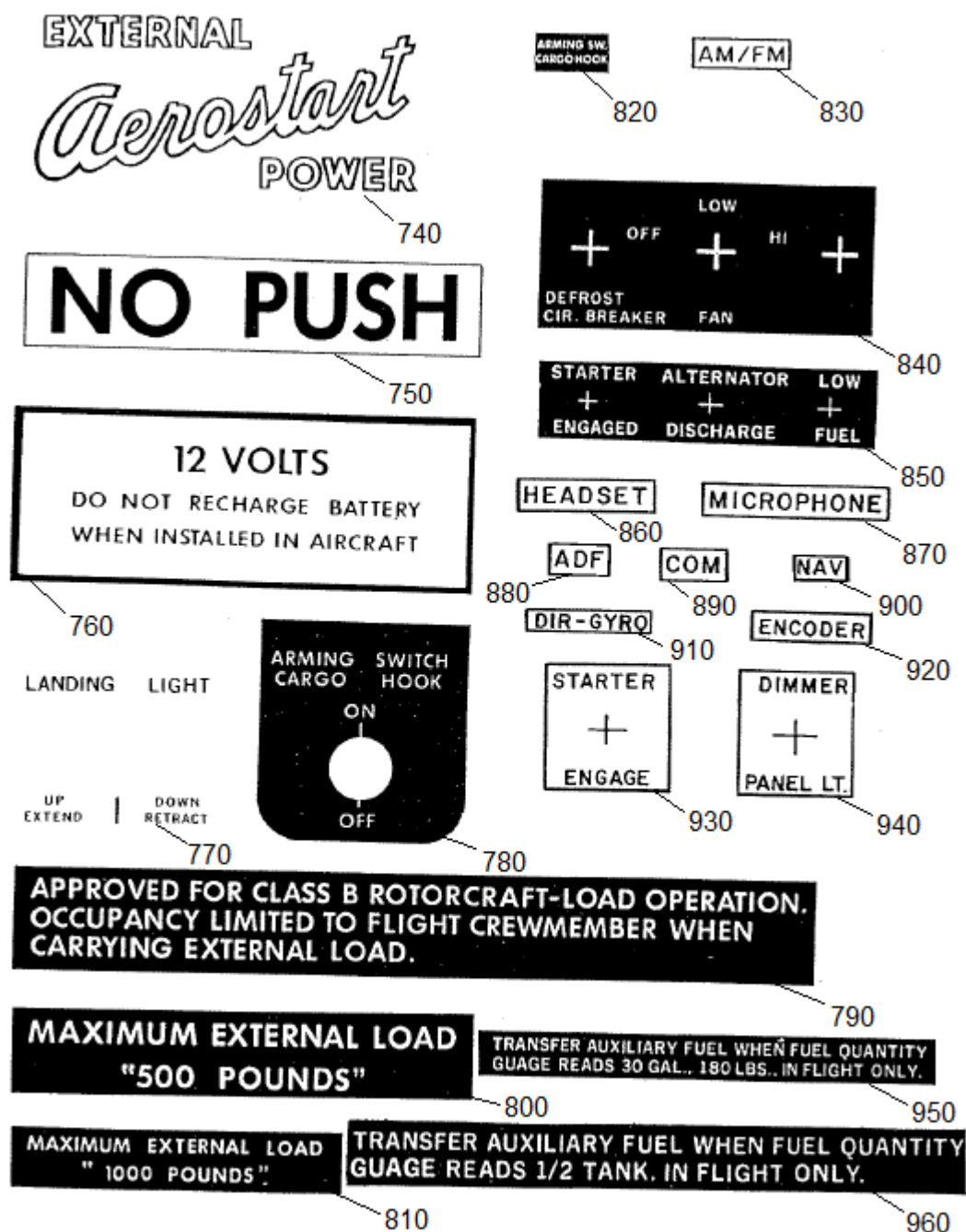
ENSTROM F-28/280 SERIES ILLUSTRATED PARTS CATALOG



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FIGURE 11-21. PLACARD INSTALLATION

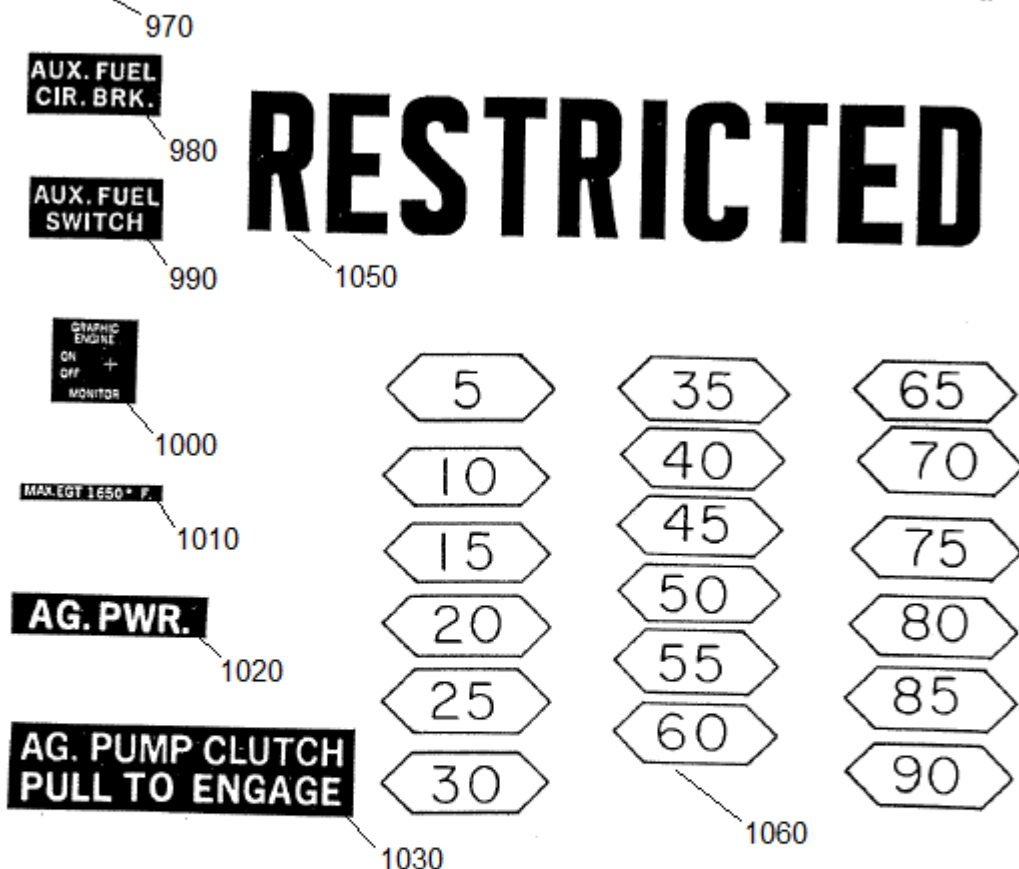
ENSTROM F-28/280 SERIES ILLUSTRATED PARTS CATALOG



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FIGURE 11-21. PLACARD INSTALLATION

FUEL 100/130 OCT. — 22 GAL.



RESTRICTED CATEGORY-NEVER EXCEED SPEEDS MPH IAS							
PRESSURE ALTITUDE	OUTSIDE AIR TEMPERATURE °F						
	-20	0	20	40	60	80	100
SEA LEVEL	85	85	85	85	85	85	85
1000	85	85	85	85	85	83	82
2000	85	85	85	84	83	82	81
3000	85	85	84	83	82	81	80
4000	85	84	83	82	81	80	
5000	84	83	82	81	80		
6000	83	82	81	80			

AG OPERATION

FIGURE 11-21. PLACARD INSTALLATION

ENSTROM F-28/280 SERIES ILLUSTRATED PARTS CATALOG

RESTRICTED PRESSURE ALTITUDE	CATEGORY - NEVER EXCEED SPEEDS M.P.H. I.A.S.						
	OUTSIDE AIR TEMPERATURE °F						
	-20	0	20	40	60	80	100
SEA LEVEL	85	85	85	85	85	85	85
1000	85	85	85	85	85	83	82
2000	85	85	85	84	83	82	81
3000	85	85	84	83	82	81	80
4000	85	84	83	82	81	80	69
5000	84	83	82	81	80	68	57
6000	83	82	81	80	68	60	
7000	82	81	79	68	60		
8000	81	80	69	61			
9000	80	72	59				

1070

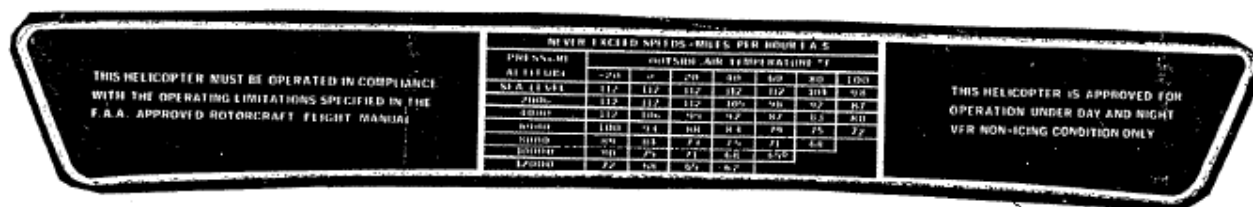
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FIGURE 11-21. PLACARD INSTALLATION

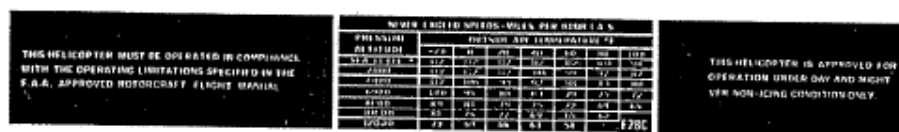
ENSTROM F-28/280 SERIES ILLUSTRATED PARTS CATALOG



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FIGURE 11-21. PLACARD INSTALLATION

ENSTROM F-28/280 SERIES ILLUSTRATED PARTS CATALOG

NEVER EXCEED SPEEDS - KNOTS I.A.S.							
PRESSURE ALTITUDE	OUTSIDE AIR TEMPERATURE °F						
	-20	0	20	40	60	80	100
SEA LEVEL	97	97	97	97	97	90	85
2000	97	97	97	90	86	80	75
4000	97	92	86	80	76	72	69
6000	87	82	76	72	68	65	62
8000	77	73	68	65	62	60	56
10000	70	66	62	60	56	54	
12000	63	60	57	55	50		F28C

1120

NEVER EXCEED SPEEDS - KNOTS I.A.S.							
PRESSURE ALTITUDE	OUTSIDE AIR TEMPERATURE °F						
	-20	0	20	40	60	80	100
SEA LEVEL	102	102	102	102	102	95	89
2000	102	102	102	95	89	84	80
4000	102	96	90	84	81	76	74
6000	91	87	81	76	73	70	67
8000	82	77	73	70	67	64	61
10000	75	70	67	64	61	58	
12000	68	64	62	59	55		280C

1130

NEVER EXCEED SPEEDS - MILES PER HOUR I.A.S.							
PRESSURE ALTITUDE	OUTSIDE AIR TEMPERATURE °F						
	-20	0	20	40	60	80	100
SEA LEVEL	117	117	117	117	117	117	117
2000	117	117	117	117	117	114	109
4000	117	117	117	115	110	105	96
6000	117	116	111	105	96	87	78
8000	112	107	96	87	78	69	60
10000	99	88	78	69	59		28-180023-11
12000	81	70	60				TO 2350 LBS. G.W.

1140

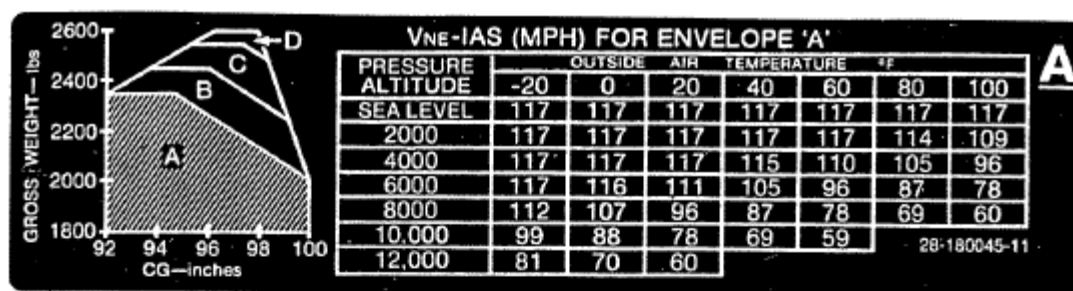
NEVER EXCEED SPEEDS - MILES PER HOUR I.A.S.							
PRESSURE ALTITUDE	OUTSIDE AIR TEMPERATURE °F						
	-20	0	20	40	60	80	100
SEA LEVEL	112	112	112	112	112	112	112
2000	112	112	112	112	112	109	104
4000	112	112	112	110	105	100	91
6000	112	111	106	101	91	82	73
8000	107	102	91	82	73	64	55
10000	94	83	73	64	54		
12000	76	65	55				F28C-2350G.W.

1150

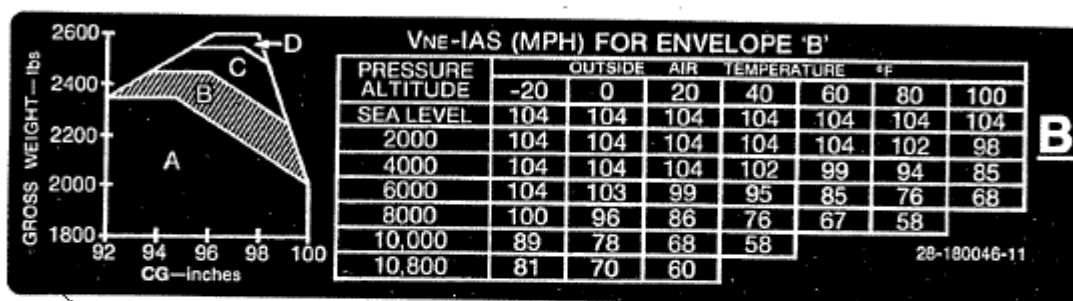
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FIGURE 11-21. PLACARD INSTALLATION

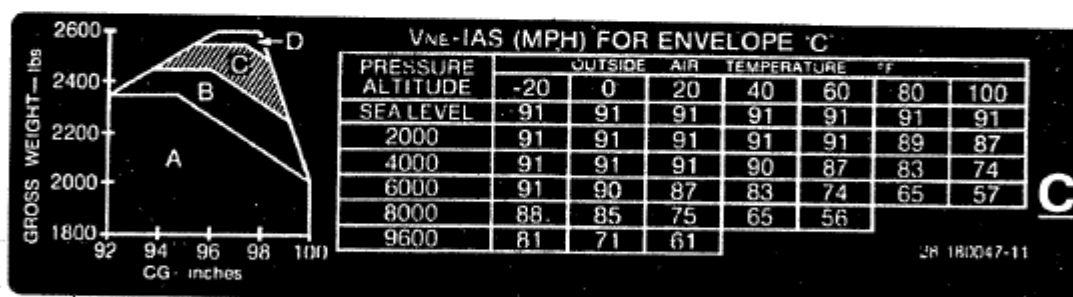
ENSTROM F-28/280 SERIES ILLUSTRATED PARTS CATALOG



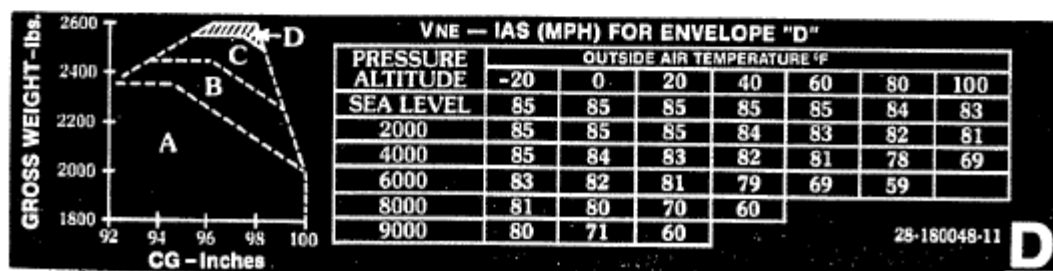
1160



1170



1180

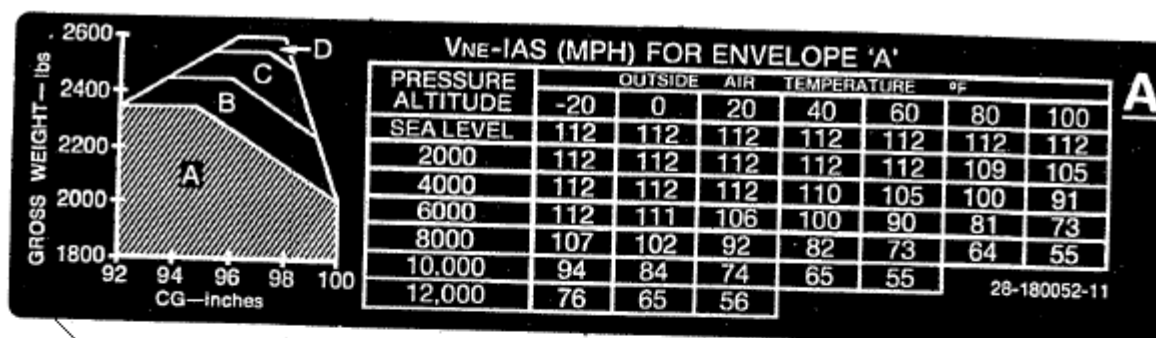


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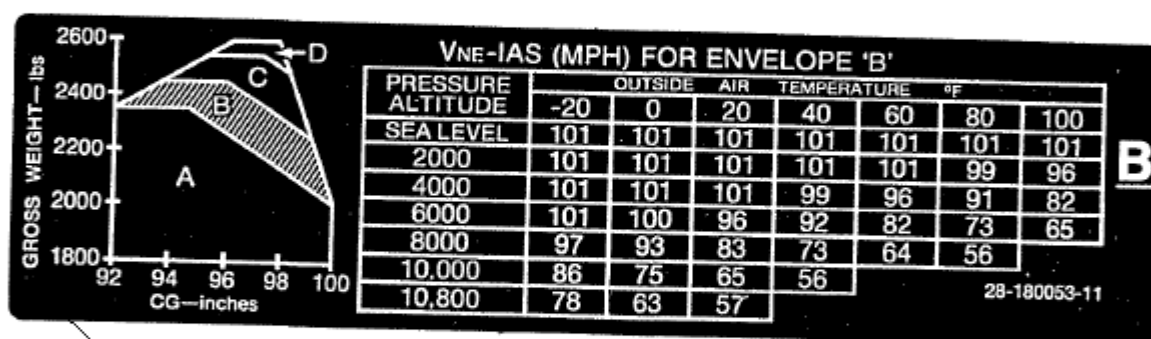
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FIGURE 11-21. PLACARD INSTALLATION

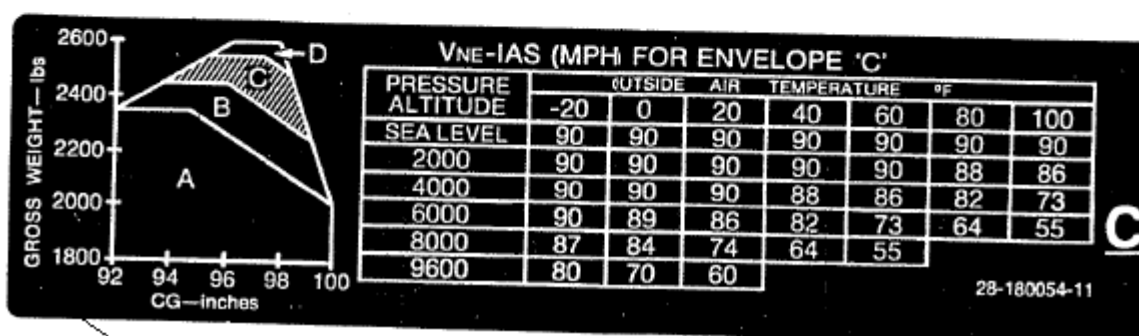
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1200



1210

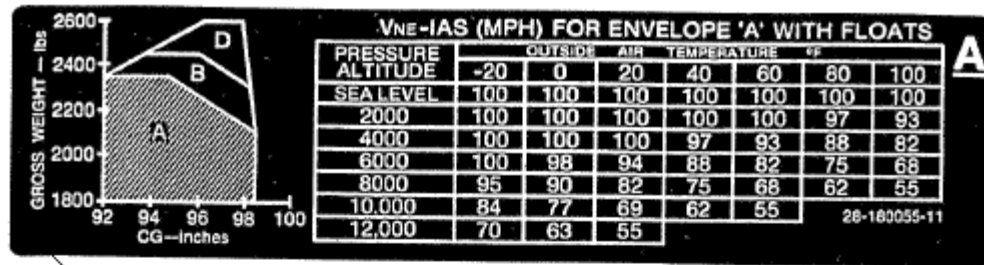


1220

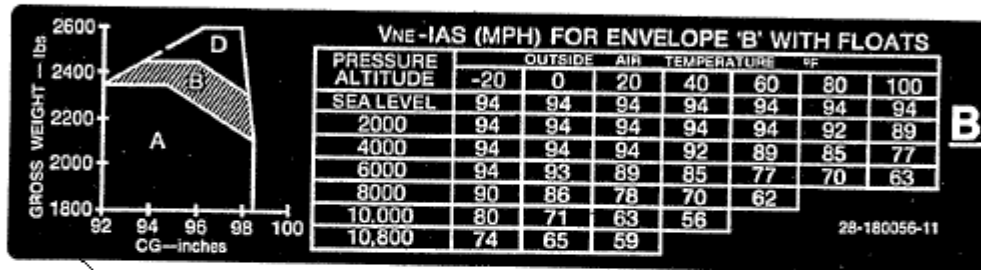
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FIGURE 11-21. PLACARD INSTALLATION

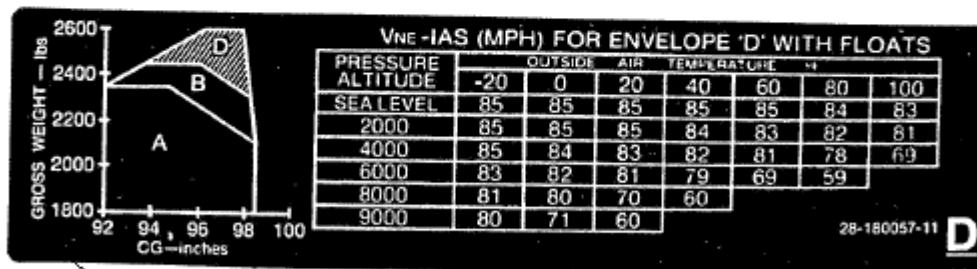
ENSTROM F-28/280 SERIES ILLUSTRATED PARTS CATALOG



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WARNING

TURN OFF STROBE LIGHTS WHEN TAXIING IN VICINITY OF OTHER AIRCRAFT, OR DURING FLIGHT THROUGH CLOUD, FOG OR HAZE. STANDARD POSITION LIGHTS TO BE ON FOR ALL NIGHT OPERATIONS.

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FIGURE 11-21. PLACARD INSTALLATION

ENSTROM F-28/280 SERIES ILLUSTRATED PARTS CATALOG

FIGURE 11-21. PLACARD INSTALLATION

ITEM NUMBER	PART NUMBER	DESCRIPTION	QTY PER ASSY	MODELS AFFECTED						
				F-28A	280	F-28C	280C	F-28F	280F	280FX
–	28-00017-1	Placard Installation F28F	REF					X		
–	28-00018-1	Placard Installation 280FX	REF							X
10	28-00014-1	. Placard: Decal “Enstrom” Full	A/R					X		X
20	28-00014-3	. Placard: Decal “Enstrom” Small	A/R					X		X
30	28-00015-1	. Placard: Decal Blade Logo Full	A/R					X		X
40	28-00015-3	. Placard: Decal Blade Logo Small	A/R					X		X
50	28-00016-1	. Placard: Decal, “F28F” Full	A/R					X		
60	28-00016-3	. Placard: Decal, “F28F” Small	A/R					X		
70	28-12433-1	. Placard: Fuel “100/130 OCT-20 GAL”	2			X	X	X	X	X
80	28-12433-21	. Placard: Fuel Tank Cap	2					X		X
90	28-12479-11	. Placard: “Fuel Sump Drain”	1				X	X	X	X
100	28-12830-11	. Placard: Baggage Box Max 108 lb.	1			X	X	X	X	X
110	28-17164-13	. Placard: No Step	2					X		X
120	28-18009-15	. Placard: Data, A/C MFG (F28F)	1					X		
130	28-18105-11	. Placard: Static	2	X	X	X	X	X	X	X
140	28-20107-11	. Placard: “No Push”	3	X	X	X	X	X	X	X
150	4119920-11	. Registration Number Placard	A/R					X		X
160	4119920-13	. Registration Number Placard	A/R					X		X
170	4119920-15	. Registration Number Placard	A/R					X		X
180	CCR274SS-3-02	. Rivet	4					X		X
190	28-00013-1	. Placard: Decal, “280FX” Full	A/R							X
200	28-00013-3	. Placard: Decal “280FX” Small	A/R							X
210	28-18009-11	. Placard: Data, A/C MFG (280FX)	1							X
220	28-12416-3	. Placard – Fuel Shut-Off	1	X	X	X	X	X	X	X
230	28-12420-11	. Placard – Sump Pump	1	X	X	X	X	X	X	
240	28-12420-13	. Placard – Sump Drain	1	X	X	X	X	X	X	

ENSTROM F-28/280 SERIES ILLUSTRATED PARTS CATALOG

FIGURE 11-21. PLACARD INSTALLATION

ITEM NUMBER	PART NUMBER	DESCRIPTION	QTY PER ASSY	MODELS AFFECTED						
				F-28A	280	F-28C	280C	F-28F	280F	280FX
250	28-12420-15	. Placard – Sump Drain	1	X	X	X	X	X	X	
260	28-12424-1	. Placard – Sight Gauge Border	1	X	X	X	X			
270	28-12425-1	. Placard – Fuel Tank 60 lbs.	1	X	X	X	X			
280	28-12426-1	. Placard – Fuel Tank 120 lbs.	1	X	X	X	X			
290	28-12427-1	. Placard – Fuel Tank 180 lbs.	1	X	X	X	X			
300	28-12428-1	. Placard – Fuel Tank 240 lbs.	1	X	X	X	X			
310	28-12433-1	. Placard – Fuel Tank Cap. 20 Gal. (White)	2			X	X	X	X	X
310	28-12433-2	. Placard – Fuel Tank Cap. 20 Gal. (White) (Replaced by 28-12433- 1)	2			X	X	X	X	X
320	28-12433-13	. Placard – Fuel Tank Cap. 20 Gal. (Red)	2			X	X	X	X	X
330	28-12450-11	. Placard – Fuel Tank 15 Gal. (Red)	1	X	X					
340	28-12450-13	. Placard – Fuel Tank 15 Gal. (White)	1	X	X					
350	28-12816-1	. Placard – 60# Max. Wt. (Baggage Box)	1	X	X	X	X			
360	28-14270-1	. Placard – Main Rotor Blade Grip	3	X	X	X	X	X	X	X
370	28-14374-15	. Placard – Oil Damper Reservoir	3	X	X	X	X	X	X	X
370	28-14374-13	. Placard – Damper Reservoir (Replaced by 28-14374-15)	3	X	X	X	X	X	X	X
380	28-16215-1	. Placard – On/Off	A/R	X	X	X	X	X	X	X
390	28-16296-11	. Placard – Coll. Friction	1	X	X	X	X	X	X	X
400	28-16449-1	. Fuel Mixture Placard	1	X	X	X	X	X	X	X
410	28-16525-1	. Placard – Rotor Clutch	1	X	X	X	X	X	X	X
420	28-16526-1	. Placard – Pull to Engage	1	X	X	X	X	X	X	X
430	28-17005-1	. Warning Placard – Ground Handling Lever	1	X	X	X	X	X	X	X
440	28-17318-1	. Placard – Aft Landing Light	1	X						
450	28-17331-15	. Placard Never Ex Speeds Floats	1			X	X	X	X	X

ENSTROM F-28/280 SERIES ILLUSTRATED PARTS CATALOG

FIGURE 11-21. PLACARD INSTALLATION

ITEM NUMBER	PART NUMBER	DESCRIPTION	QTY PER ASSY	MODELS AFFECTED						
				F-28A	280	F-28C	280C	F-28F	280F	280FX
450	28-17331-1	. Placard – Vne (Float, Aux. Fuel) (Replaced by 28-17331-15)	1			X	X	X	X	X
460	28-17331-13	. Placard – Vne (Float, Aux. Fuel)	1			X	X	X	X	X
470	28-18005-1	. Placard – Master Switch	1	X		X				
480	28-18006-1	. Placard – No Smoking	1	X						
490	28-18007-1	. Placard – Manual Compliance	1	X	X		X			
500	28-18011-1	. Placard – System Fuel Pressure	1	X	X					
510	28-18012-1	. Placard – Radio C-B	1	X	X					
520	28-18013-1	. Placard – Inst. Ident.	1	X						
530	28-18014-1	. Placard – Vne (F28A)	1	X						
540	28-18015-1	. Placard – Limitations	1	X						
550	28-18016-1	. Placard – Panel Light Dimmer	1	X	X	X	X	X	X	X
560	28-18037-1	. Placard – Gyro C-B	1	X	X	X	X	X	X	X
570	28-18037-2	. Placard – Gyro C-B	1	X	X	X	X	X	X	X
580	28-18037-3	. Placard – Nav. C-B	1	X	X	X	X	X	X	X
590	28-18043-1	. Placard – Fuel Press.	1	X						
600	28-18048-1	. Placard – Switch Panel	1	X						
610	28-18052-1	. Placard – Off	7	X	X					
620	28-18053-1	. Placard – On	7	X	X					
630	28-18081-11	. Placard – Buss Fault Breaker	1			X	X	X	X	X
640	28-18087-1	. Placard – Alternator Excitation	1			X			X	
650	28-18088-1	. Placard – “E” (Compass)	1			X			X	
660	28-18088-2	. Placard – “E” (Compass)	1			X			X	
670	28-18092-11	. Placard – Overboost	1	X		X	X		X	X
680	28-18100-11	. Placard – Caution, Mixture Control	1		X	X	X	X	X	X
690	28-18105-13	. Placard – Static Air Vent	2	X	X	X	X	X	X	X
700	28-18107-1	. Placard – Enstrom (Large White)	1	X	X	X	X	X	X	X
710	28-18108-1	. Placard – Enstrom (Large Black)	1	X	X	X	X	X	X	X
720	28-19037-11	. Placard – Clutch Disengaged	1			X	X	X	X	X

ENSTROM F-28/280 SERIES ILLUSTRATED PARTS CATALOG

FIGURE 11-21. PLACARD INSTALLATION

ITEM NUMBER	PART NUMBER	DESCRIPTION	QTY PER ASSY	MODELS AFFECTED						
				F-28A	280	F-28C	280C	F-28F	280F	280FX
730	28-19046-11	. Placard – Test	1					X		X
740	28-19101-11	. Placard – APU Install.	1	X	X	X	X	X	X	X
750	28-20107-11	. Placard – No Push	7	X	X	X	X	X	X	X
750	28-20107-13	. Placard – No Push (Replaced by 28-20107-11)	7	X	X	X	X	X	X	X
760	28-21021-1	. Placard – 12 Volts	1	X						
770	28-21035-5	. Placard – Fwd. Light	1			X		X		
780	28-22013-1	. Placard – Cargo Arming Switch	1	X	X	X	X	X	X	X
790	28-22016-5	. Placard – Cargo Hook Installation	1	X	X	X	X	X	X	X
790	28-22016-1	. Placard – Load Oper. (Replaced by 28-22016-5)	1	X	X	X	X	X	X	X
800	28-22018-1	. Placard – Cargo Hook Limitations (500#)	1	X	X	X	X	X	X	X
810	28-22018-2	. Placard – Cargo Hook Limitations (1000#)	1	X	X	X	X	X	X	X
820	28-22019-1	. Placard – Cargo Hook	1	X	X	X	X	X	X	X
830	28-22216-13	. EC-100 Install.	A/R					X	X	X
840	28-22343-1	. Placard – Center Console Defrost	1			X				
850	28-22501-1	. Decals – Start – Alter.	A/R	X	X	X	X	X	X	X
860	28-22501-2	. Headset	A/R	X	X	X	X	X	X	X
870	28-22501-3	. Microphone	A/R	X	X	X	X	X	X	X
880	28-22501-4	. ADF	A/R	X	X	X	X	X	X	X
890	28-22501-5	. Com	A/R	X	X	X	X	X	X	X
900	28-22501-6	. Nav	A/R	X	X	X	X	X	X	X
910	28-22501-7	. Dir-Gyro	A/R	X	X	X	X	X	X	X
920	28-22501-8	. Encoder	A/R	X	X	X	X	X	X	X
930	28-22501-9	. Starter – Engine	A/R	X	X	X	X	X	X	X
940	28-22501-10	. Dimmer – Panel Lt.	A/R	X	X	X	X	X	X	X
950	28-22504-1	. Placard – Fuel Transfer (180 lbs.)	1		X	X	X	X	X	X

ENSTROM F-28/280 SERIES ILLUSTRATED PARTS CATALOG

FIGURE 11-21. PLACARD INSTALLATION

ITEM NUMBER	PART NUMBER	DESCRIPTION	QTY PER ASSY	MODELS AFFECTED						
				F-28A	280	F-28C	280C	F-28F	280F	280FX
960	28-22505-1	. Placard – Fuel Transfer (1/2 Tank)	1	X						
970	28-22506-1	. Placard – Octane & Gal.	1	X	X	X	X	X	X	X
980	28-22507-1	. Placard – Aux. Fuel, C-B	1	X	X	X	X	X	X	X
990	28-22508-1	. Placard – Aux. Fuel, Switch	1	X	X	X	X	X	X	X
1000	28-22540-11	. Placard – Monitor, G.E.M.	1				X	X	X	
1010	28-22543-11	. Placard – Max. EGT	1			X	X	X	X	X
1020	28-22606-1	. Placard – AG Kit (AG Power)	1			X	X	X	X	
1030	28-22607-1	. Placard – AG Kit (Pump)	1			X	X	X	X	
1040	28-22608-1	. Placard – AG Kit (Limitations)	1			X	X	X	X	
1050	28-22609-11	. Placard – AG Kit (Restricted)	1			X	X	X	X	
1060	28-22613-1	. Placard – AG Kit (Fluid Levels)	1			X	X	X	X	
1070	28-22615-15	. Placard – Vne F AG & CH	A/R			X	X	X	X	
1070	28-22615-11	. Placard – Vne (AG Kit) (Replaced by 28-22615-15)	A/R			X	X	X	X	
1080	28-22615-13	. Placard – Vne (AG Kit)	A/R			X	X	X	X	
1090	280-180007-1	. Placard – Manual & Vne	1		X		X			
1100	28-180012-1	. Placard – Vne	1				X			
1110	28-180018-1	. Placard – Manual & Vne	1			X				
1120	28-180021-1	. Placard – Vne (Knots)	1			X				
1130	28-180022-1	. Placard – Vne (Knots)	1		X					
1140	28-180023-1	. Placard – Vne (2350# GW)	1		X		X			
1150	28-180030-1	. Placard – Vne (2350# GW)	1			X		X		
1160	28-180045-13	. Placard – Vne, MPH “A”	1						X	X
1160	28-180045-11	. Placard – Vne Env. A (Replaced by 28-180045-13)	1						X	X
1170	28-180046-13	. Placard – Vne, MPH “B”	1						X	X
1170	28-180046-11	. Placard – Vne Env. B (Replaced by 28-180046-13)	1						X	X
1180	28-180047-13	. Placard – Vne, MPH “C”	1						X	X

ENSTROM F-28/280 SERIES ILLUSTRATED PARTS CATALOG

FIGURE 11-21. PLACARD INSTALLATION

ITEM NUMBER	PART NUMBER	DESCRIPTION	QTY PER ASSY	MODELS AFFECTED						
				F-28A	280	F-28C	280C	F-28F	280F	280FX
1180	28-180047-11	. Placard – Vne Env. C (Replaced by 28-180047-13)	1						X	X
1190	28-180048-13	. Placard – Vne, MPH “D”	1					X	X	X
1190	28-180048-11	. Placard – Vne Env. D (Replaced by 28-180048-13)	1					X	X	X
1200	28-180052-13	. Placard – Vne, MPH “A”	1					X		
1200	28-180052-11	. Placard – Vne Env. A (Replaced by 28-180052-13)	1					X		
1210	28-180053-13	. Placard – Vne, MPH “B”	1					X		
1210	28-180053-11	. Placard – Vne Env. B (Replaced by 28-180053-13)	1					X		
1220	28-180054-13	. Placard – Vne, MPH “C”	1					X		
1220	28-180054-11	. Placard – Vne Env. C (Replaced by 28-180054-13)	1					X		
1230	28-180055-13	. Placard – Vne, MPH “A”	1					X	X	X
1230	28-180055-11	. Placard – Floats Env. A (Replaced by 28-180055-13)	1					X	X	X
1240	28-180056-13	. Placard – Vne, MPH “B”	1					X	X	X
1240	28-180056-11	. Placard – Floats Env. B (Replaced by 28-180056-13)	1					X	X	X
1250	28-180057-13	. Placard – Vne, MPH “D”	1					X	X	X
1250	28-180057-11	. Placard – Floats Env. D (Replaced by 28-180057-13)	1					X	X	X
1260	A421-1	. Placard – Warning	1	X	X	X	X	X	X	X

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SECTION 12

TAIL ROTOR SYSTEM

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FIGURE 12-6A. TAIL ROTOR MECHANICAL CONTROLS (RIGHT HAND GEARBOX)

ITEM NUMBER	PART NUMBER	DESCRIPTION	QTY PER ASSY	MODELS AFFECTED					
				F-28A	280	F-28C	280C	F-28F	280F
150	MS17825-4	. Nut	2	X	X				
150	F12NE-4753-048	. Nut (Superseded by MS17825-4)	2	X	X				
160**▲	28-16313-1	. Bracket	1	X	X				
160A**†	28-16317-1R	. Bracket	1	X	X				
165	28-16311-1	. . Bushing	2	X	X				
170	28-16309-1	. Bolt	2	X	X				
180	28-16308-1	. Washer	2	X	X				
190	NAS6603D6	. Bolt	2	X	X				
190	AN3-6	. Bolt (Superseded by NAS6603D6)	2	X	X				
200	NAS1149F0332P	. Washer	8	X	X				
200	AN960-10L	. Washer (Alternate)	8	X	X				
210	28-16319-1	. . Bushing (Used in Item 160)	2	X	X				
220	MS17825-3	. Nut	2	X	X				
220	F12NE-4753-02	. Nut (Superseded by MS17825-3)	2	X	X				
230**▲	28-16314-1	. Bracket	1	X	X				
230A**†	28-16315-1R	. Bracket	1	X	X				
240	AN503-10-8	. Screw	4	X	X				
250	MS24665-151	. Cotter Pin	6	X	X				
250	AN381-2-8	. Cotter Pin (Superseded by MS24665-151)	6	X	X				

— Not illustrated.

* Preferred components.

** 28-16315-1R and 28-16317-1R may be replaced on F28A, 280, and early "C" models with 28-16314-1 and 28-16313-1 (-110A and -120A are used together -110 and -120 are used together).

▲ Must be replaced/purchased as a matched set.

† Must be replaced/purchased as a matched set.

ENSTROM F-28/280 SERIES ILLUSTRATED PARTS CATALOG

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ENSTROM F-28/280 SERIES ILLUSTRATED PARTS CATALOG

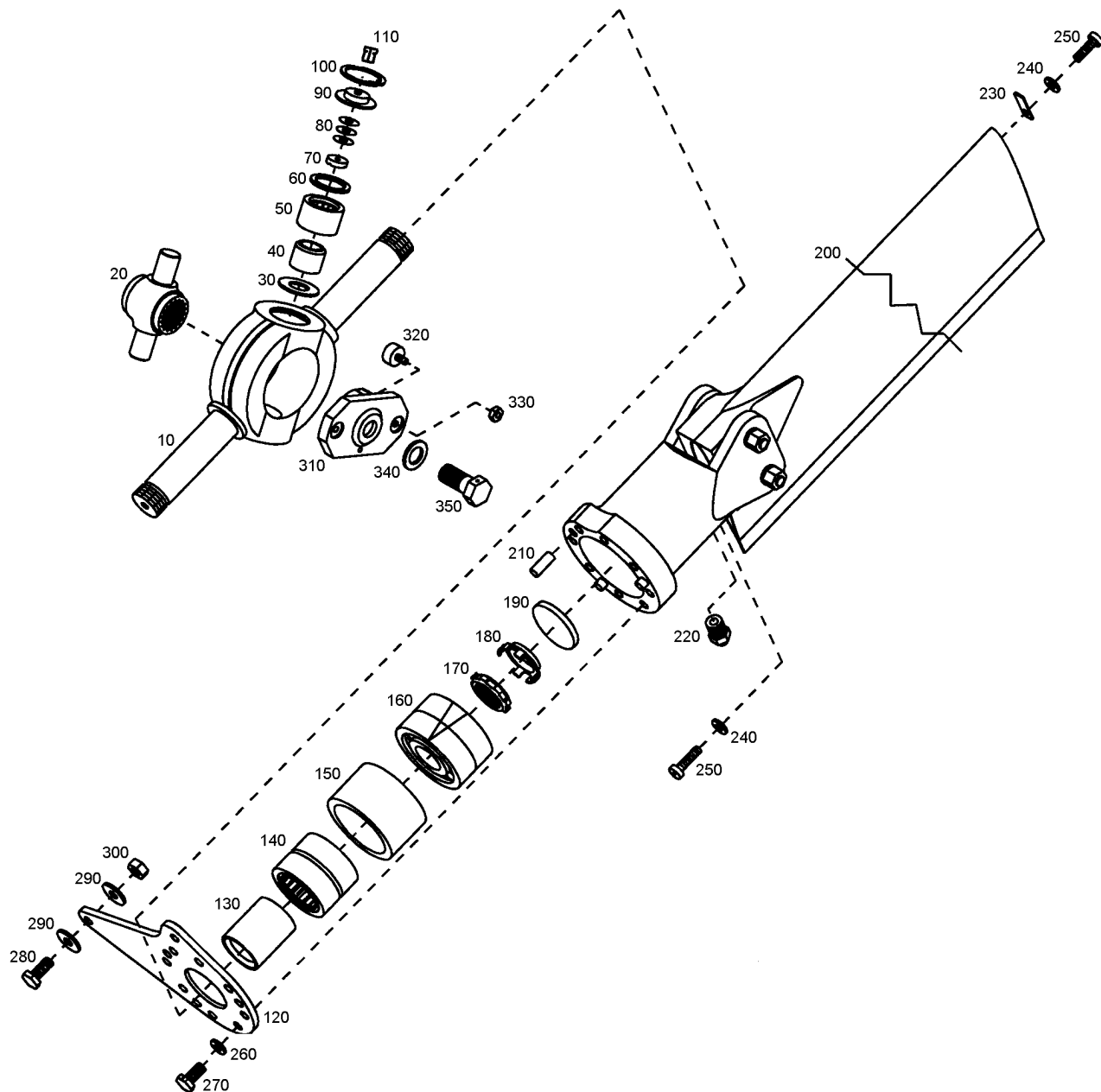


FIGURE 12-10. 28-150079-1 TAIL ROTOR ASSEMBLY

ENSTROM F-28/280 SERIES ILLUSTRATED PARTS CATALOG

FIGURE 12-10. 28-150079-1 TAIL ROTOR ASSEMBLY

ITEM NUMBER	PART NUMBER	DESCRIPTION	QTY PER ASSY	MODELS AFFECTED						
				F-28A	280	F-28C	280C	F-28F	280F	280FX
–	28-150079-1	Tail Rotor Assembly	REF			X	X	X	X	X
–	28-150077-1	. Spindle Assembly	1			X	X	X	X	X
–	28-150077-11	. Spindle Assembly (Alternate)	1			X	X	X	X	X
10♦	28-150074-13	. . Spindle	1			X	X	X	X	X
20♦	28-150067-15	. . Hub	1			X	X	X	X	X
30♦	28-150076-17	. . Washer	2			X	X	X	X	X
40♦	28-150076-15	. . Journal	2			X	X	X	X	X
50♦	B-1210	. . Bearing	2			X	X	X	X	X
60♦	28-150076-19	. . Seal	2			X	X	X	X	X
70♦	28-150076-13	. . Thrust Bumper	2			X	X	X	X	X
80♦	28-150078-10	. . Shim, .010"	A/R			X	X	X	X	X
80♦	28-150078-12	. . Shim, .002"	A/R			X	X	X	X	X
80♦	28-150078-13	. . Shim, .003"	A/R			X	X	X	X	X
80♦	28-150078-15	. . Shim, .005"	A/R			X	X	X	X	X
90♦	28-150076-1	. . End Plate	2			X	X	X	X	X
90♦	28-150076-21	. . End Plate (Replaced by 28-150076-1)	2			X	X	X	X	X
100♦	N5002-100	. . Retaining Ring	2			X	X	X	X	X
110	1877	. . Grease Fitting	2			X	X	X	X	X
120♦	28-150060-11	. Pitch Arm	2			X	X	X	X	X
130♦	28-150063-11	. Sleeve	2			X	X	X	X	X
140♦	ECD001-11	. Bearing	2			X	X	X	X	X
150♦	28-150055-13	. Bearing Retainer	2			X	X	X	X	X
150♦	28-150055-1	. Bearing Retainer (Replaced by 28-150055-13)	2			X	X	X	X	X
160♦	ECD002-13	. Bearing	2			X	X	X	X	X
160♦	ECD002-11	. Bearing (Replaced by ECD002-13)	2			X	X	X	X	X
170♦	SL61N-5F	. Nut	2			X	X	X	X	X
170♦	SL61N-5P	. Nut (Alternate)	2			X	X	X	X	X
180♦	SL61W-5P	. Lock Washer	2			X	X	X	X	X

ENSTROM F-28/280 SERIES ILLUSTRATED PARTS CATALOG

FIGURE 12-10. 28-150079-1 TAIL ROTOR ASSEMBLY

ITEM NUMBER	PART NUMBER	DESCRIPTION	QTY PER ASSY	MODELS AFFECTED						
				F-28A	280	F-28C	280C	F-28F	280F	280FX
190	28-15033-5	. Bumper	2			X	X	X	X	X
200	28-150001-5	. Tail Rotor Blade and Grip Assembly	2			X	X	X	X	X
210	28-150044-5	. . Dowel	3			X	X	X	X	X
220	1650	. Lube Fitting	2			X	X	X	X	X
230	28-17308-1	. Strike Indicator	2			X	X	X	X	X
240	NAS1149F0316P	. Washer	A/R			X	X	X	X	X
240	AN960-10	. Washer (Superseded by NAS1149F0316P)	A/R			X	X	X	X	X
—	NAS1149F0332P	. Washer	A/R			X	X	X	X	X
—	AN960-10L	. Washer (Superseded by NAS1149F0332P)	A/R			X	X	X	X	X
250*	MS35207-262	. Screw	4			X	X	X	X	X
250*	MS35207-AR	. Screw (Replaced by MS35207-262)	4			X	X	X	X	X
260	NAS1149F0432P	. Washer	16			X	X	X	X	X
260	AN960-416L	. Washer (Superseded by NAS1149F0432P)	16			X	X	X	X	X
270	NAS6604H1	. Bolt	16			X	X	X	X	X
270	AN4H4A	. Bolt (Superseded by NAS6604H1)	16			X	X	X	X	X
280	NAS6604-3	. Bolt	2			X	X	X	X	X
280	AN4-5A	. Bolt (Superseded by NAS6604-3)	2			X	X	X	X	X
290	ECD050-17	. Washer	4			X	X	X	X	X
290	ECD050-11	. Washer (Alternate)	4			X	X	X	X	X
290	1/4 Harper	. Flat Washer, 1/4 X 11/16 (Alternate)	4			X	X	X	X	X
300	MS21083N4	. Nut	2			X	X	X	X	X
300	AN364-428A	. Nut (Superseded by MS21083N4)	2			X	X	X	X	X
310	28-15030-1	Teeter Stop Assembly	1			X	X	X	X	X
320	16-1	. Bumper	2			X	X	X	X	X

ENSTROM F-28/280 SERIES ILLUSTRATED PARTS CATALOG

FIGURE 12-10. 28-150079-1 TAIL ROTOR ASSEMBLY

ITEM NUMBER	PART NUMBER	DESCRIPTION	QTY PER ASSY	MODELS AFFECTED						
				F-28A	280	F-28C	280C	F-28F	280F	280EX
330	MS21083N06	. Nut	2			X	X	X	X	X
330	AN364-632A	. Nut (Superseded by MS21083N06)	2			X	X	X	X	X
340	NAS1149F0763P	. Washer	1			X	X	X	X	X
340	AN960-716	. Washer (Superseded by NAS1149F0763P)	1			X	X	X	X	X
350	NAS6607-5	. Bolt	1			X	X	X	X	X
350	AN7H7A	. Bolt (Superseded by NAS6607-5)	1			X	X	X	X	X
—**	28-150079-901	. Tail Rotor Spindle Assembly	1			X	X	X	X	X

* Length as required

** Replaces kit 28-01056-1.

◆ Items included in kit 28-150079-901.