



SERVICE INFORMATION LETTER

SERVICE INFORMATION LETTER NO. 0186

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DATE: March 30, 2016

1. SUBJECT: Wastegate Linkage and Throttle Cable Installations
2. MODEL: F-28F, 280F, and 280FX
3. EFFECTIVITY: F-28F, S/N 830 and prior; 280F, All S/N; 280FX, S/N 2145 and prior
4. BACKGROUND:

Enstrom has discovered a potential interference between the rod end of the wastegate linkage assembly and the wastegate arm bellcrank. Therefore, Enstrom has incorporated bushings to preclude impairment of the wastegate linkage when the throttle is moved. In addition, the hardware sequence for the wastegate linkage installation and the throttle cable installation has been revised to simplify installation.

5. COMPLIANCE:

Update of the wastegate linkage installation is recommended at the next scheduled inspection. Perform the wastegate linkage installation in accordance with paragraph 6.1.

Update of the throttle cable installation is required if the throttle cable has been removed and is reinstalled. Perform the throttle cable installation in accordance with paragraph 6.2.

6. INSTALLATION:

6.1 Wastegate Linkage Assembly (Figure 1)

NOTE

Refer to Figure 1 for the parts listing. This information supersedes F-28/280 Series Illustrated Parts Catalog Figure 3-28, Item Numbers 320 through 360

- 6.1.1 Open the pilot side engine access panel.
- 6.1.2 Locate the rod end (290) of the wastegate linkage assembly that is attached to the wastegate arm bellcrank (370).
- 6.1.3 Remove the cotter pin, nut, bolt, washer, and bushing. Discard all.
- 6.1.4 Reinstall the wastegate linkage assembly with new hardware in accordance with Figure 1 (torque 15-25 in-lbs/1.7-2.8 Nm).
- 6.1.5 Check freedom of operation of injector to wastegate rod "breakaway" function by holding the wastegate arm stationary, partially opened, and rotating the throttle in both directions causing rod to break away and move approximately two inches in each direction. Ensure the breakaway mechanism is engaged after completion of operational check.

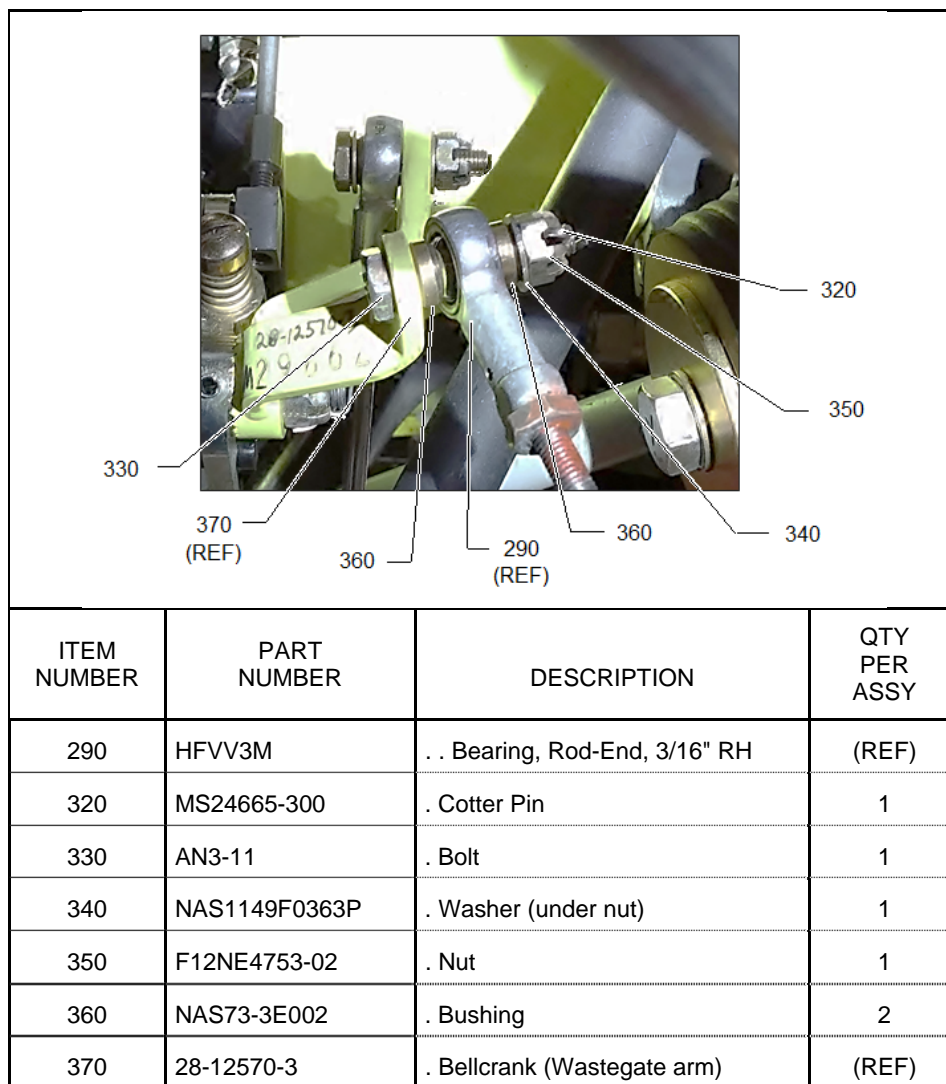


Figure 1. Wastegate Linkage Installation

(Note: Figure 1 supersedes F-28/280 Series Illustrated Parts Catalog Figure 3-28.)

6.2 Throttle Cable Assembly (Figure 2)

NOTE

Refer to Figure 2 for the parts listing. (This information is equivalent to F-28/280 Series Illustrated Parts Catalog Figure 3-14.)

6.2.1 Reinstall the throttle cable assembly to the throttle control lever with new hardware in accordance with Figure 2 (torque 15-25 in-lbs/1.7-2.8 Nm).

6.2.2 Perform a maintenance check.

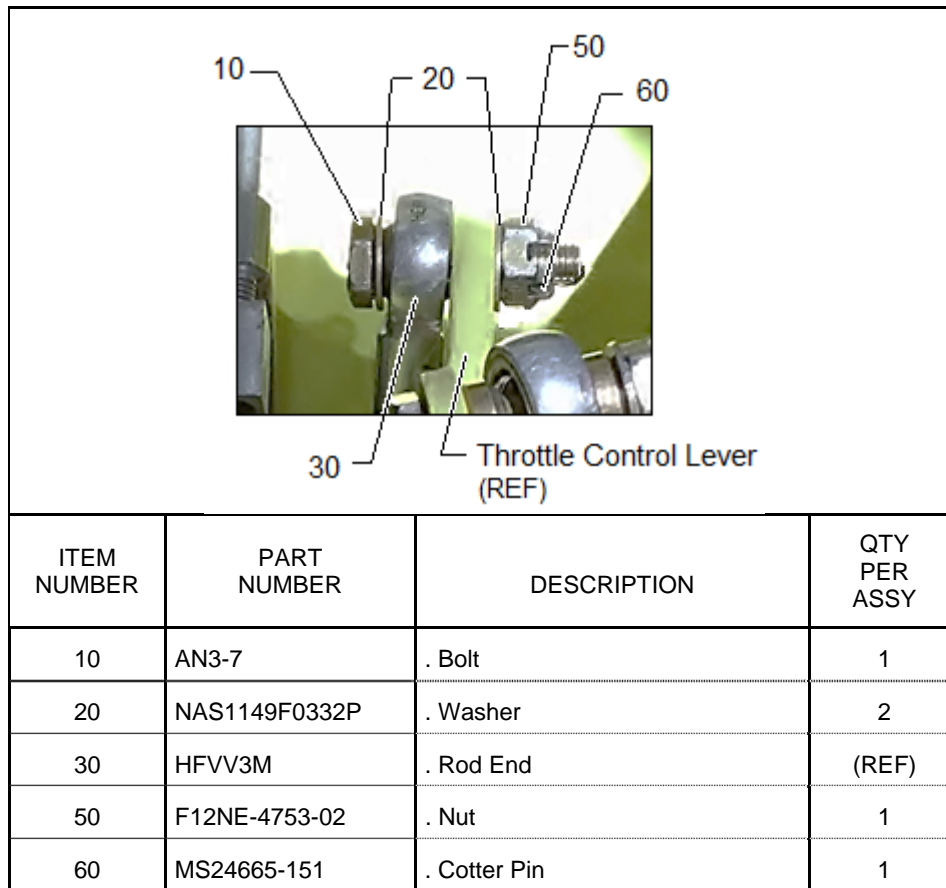


Figure 2. Throttle Cable Installation

7. PARTS:

Part Number	Description	Quantity		
		Wastegate Linkage (Figure 1)	Throttle Cable (Figure 2)	Total
AN3-11	Bolt	1	-	1
AN3-7	Bolt	-	1	1
F12NE-4753-02	Nut	1	1	2
MS24665-151	Cotter Pin	-	1	1
MS24665-300	Cotter Pin	1	-	1
NAS1149F0332P	Washer	-	2	2
NAS1149F0363P	Washer	1	-	1
NAS73-3E002	Bushing	2	-	2

8. SPECIAL TOOLS OR EQUIPMENT: None
9. MAN-HOURS: 30 minutes
10. WARRANTY: Per Enstrom policy
11. WEIGHT CHANGE: N/A
12. LOG BOOK ENTRY: As required for maintenance actions
13. REPETITIVE INSPECTIONS: None