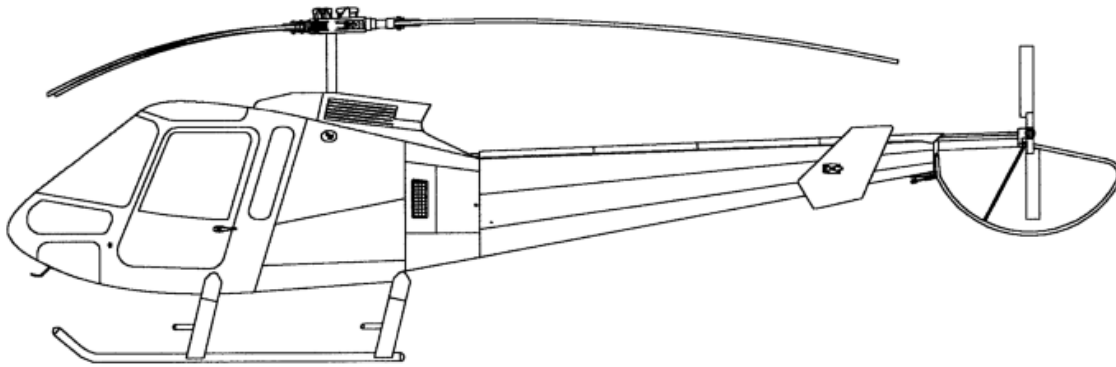


ENSTROM TH-28/480 SERIES MAINTENANCE MANUAL

SUPPLEMENT 7

BAMBI BUCKET INTERFACE KIT P/N 4220130-1



The Airworthiness Limitations Section is FAA approved and specifies inspections and other maintenance required under 14 CFR §§ 43.16 and 91.403 of the Federal Aviation Regulations unless an alternative program has been FAA approved.

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RECOMMENDED CHANGE REPORT

This maintenance manual is prepared and distributed by The Enstrom Helicopter Corporation and is intended for use by personnel responsible for maintaining Enstrom 480B helicopters. This manual is periodically revised. If, in the opinion of the user, any information has been omitted or requires clarification, please direct your comments to Enstrom via this form (duplicate) or other similar form. Send the recommended changes to:

The Enstrom Helicopter Corporation
2209 22nd Street
Menominee, MI 49858-3595

ATTN: Technical Publications

Manual Identification: Enstrom TH-28/480 Series Maintenance Manual Supplement 7

Manual Date: July 30, 2012

Revision Number and Date: _____

Aircraft Model: _____

Recommended Change:

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SECTION 1

INTRODUCTION

1-1. Aircraft Effectivity

A. The data presented in this TH-28/480 Series Maintenance Manual Supplement is applicable to all Enstrom 480 and 480B model helicopters equipped with the optional Bambi Bucket Interface Kit, P/N 4220130-1.

1-2. Supplement Changes and Revisions

A. Subsequent to the publication of the initial issue of this supplement, changes in the equipment, support concepts and procedures, as well as information developed by experience may affect the contents of this supplement. To ensure that coverage in the supplement continues to reflect such changes, revised information is released by one of the following methods:

1. Revision - A revision alters portions of the manual by replacement, addition, and/or removal of pages.
2. Reissue - A reissue of this supplement will occur when the amount of changes warrants complete reissue.
3. Service Information Letters (SIL) - Service Information Letters are used to transmit information, recommendations, and general service instructions to the aircraft owner/operator and maintenance personnel.
4. Service Directive Bulletins (SDB) - Service Directive Bulletins are used to the owner/operator and/or maintenance personnel to make mandatory inspections, changes, or modifications to the aircraft.

1-3. Application of Warnings, Cautions, and Notes

A. Throughout this supplement, it is necessary to highlight or emphasize important points to avoid injury to personnel, damage to equipment, or unnecessary confusion while performing maintenance procedures. The terms "**WARNING**", "**CAUTION**", and "**NOTE**" are used to draw attention to instructions or information deserving special consideration.

B.

WARNING

Calls attention to use of materials, processes, methods, procedures, or limits that must be followed to avoid injury to personnel.

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C.

CAUTION

Calls attention to methods and procedures that must be followed to avoid damage to equipment.

D.

NOTE

Calls attention to information essential to highlight for clarification of procedures or to make a task easier.

SECTION 2

GENERAL INFORMATION

1-1. System Description

A. The Bambi Bucket Interface Kit, P/N 4220130-1, provides for installation of a Bambi Bucket® Model 8096 on the 480 or 480B when used in conjunction with the optional Cargo Hook Kit. The Bambi Bucket Interface Kit consists of a removable Dump Switch Harness, a removable Dump Harness, and a non-removable harness with circuit protection.

B. The Dump Switch Harness attaches to an electrical connector located on the lower left side of the center pedestal assembly (Figure 2-1). The harness is secured to the pilot's cyclic stick using hook and pile fastening straps (Figure 2-2).

C. The Dump Harness attaches to an electrical connector located in the front, left side of the engine compartment (Figure 2-3). The harness is routed along and secured to the front, left suspension cable of the cargo hook assembly (Figure 2-4).

D. The Bambi Bucket Interface Kit is powered by the aircraft electrical system and is protected by a 7½ amp circuit breaker (**BAMBI BKT**) located in the center pedestal circuit breaker panel.

1-2. Vendor Publications

A. The Bambi bucket is to be operated and maintained I/A/W the current vendor's operations instructions to ensure the continued airworthiness of the aircraft.

Publication	Vendor
Bambi Bucket (All Models) Operations Manual, latest version.	SEI Industries LTD. 7400 Wilson Avenue Delta, B.C., Canada, V4G 1E5 Phone: (604) 946-3131; Fax: (604) 940-9566 E-mail: seisales@sei-ind.com ; Website: www.sei-ind.com



Figure 2-1. Dump Switch Harness Connector



Figure 2-2. Dump Switch Harness



Figure 2-3. Dump Harness Connector

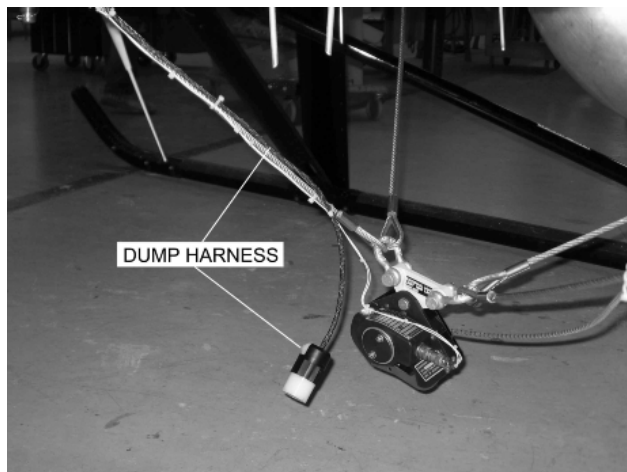


Figure 2-4. Dump Harness

SECTION 3

AIRWORTHINESS LIMITATIONS

3-1. Airworthiness Limitations

A. The Airworthiness Limitations Section is FAA approved and specifies inspections and other maintenance required under 14 CFR §§ 43.16 and 91.403 of the Federal Aviation Regulations unless an alternative program has been FAA approved.

B. All components of the Bambi Bucket Interface Kit are “on condition” items.

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SECTION 4

SERVICING, TROUBLESHOOTING, AND PERIODIC INSPECTIONS

4-1. Servicing and Troubleshooting

A. Refer to the latest revision of the *Bambi Bucket® Operator's Manual* from SEI Industries for operating, servicing, and troubleshooting instructions for the Bambi Bucket System.

4-2. Periodic Inspections

A. The following inspection checklist is intended as a guide for 100 hour/annual inspections for aircraft operating under normal conditions. More frequent inspections may be required should adverse operating conditions be encountered.

Date		
Signature		
Aircraft Registration Number		
Aircraft Serial Number		
BAMBI BUCKET INTERFACE KIT PERIODIC INSPECTION GUIDE		
INITIAL EACH ITEM AFTER ACCOMPLISHMENT		
INSPECT THE FOLLOWING ITEMS EVERY 100 HOURS OR ANNUALLY		INITIAL
1. Inspect the Dump Switch Harness for condition and security of switch and mounting bracket, electrical connector, wiring, and hook and pile straps.		
2. Inspect the Dump Harness for condition and security of the electrical connectors and wiring. Inspect security of installation if installed onto the cargo hook suspension cable.		
3. Inspect the airframe mounted Dump Switch Harness and Dump Harness electrical connectors for condition and security.		

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SECTION 5

SYSTEM MAINTENANCE

NOTE

Refer to the latest revision of the *Bambi Bucket® Operator's Manual* from SEI Industries for inspection and maintenance instructions for the Bambi Bucket System.

NOTE

Removal or installation of equipment will change the aircraft empty weight and empty weight C.G. These changes will be recorded on Form F-511-5, Basic Weight and Balance Record, as required (reference Enstrom TH-28/480 Series Maintenance Manual).

5-1. Dump Switch Harness

5-2. Removal – Dump Switch Harness

A. Turn the aircraft power off.

B. Disconnect the harness connector from the airframe connector. Install the protective cap onto the BAMBI BUCKET airframe connector.

C. Remove the dump switch harness from the pilot's cyclic stick.

5-3. Inspection/Repair – Dump Switch Harness

A. Inspect/Repair the dump switch harness wiring/connector in accordance with the TH-28/480 Series Maintenance Manual, Section 6, Paragraphs 6-10 through 6-21.

5-4. Installation – Dump Switch Harness

A. Install the dump switch harness onto the pilot's cyclic stick and secure with the hook and pile straps.

B. Remove the protective cap from the BAMBI BUCKET airframe connector and connect the harness to the airframe connector.

5-5. Dump Harness

5-6. Removal – Dump Harness

A. Turn the aircraft power off.

B. Disconnect the dump harness connector from the airframe connector.

C. If required, detach the dump harness from the cargo hook suspension cable and remove the dump harness.

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5-7. Inspection/Repair – Dump Harness

A. Inspect/Repair the dump switch harness wiring/connector in accordance with the TH-28/480 Series Maintenance Manual, Section 6, Paragraphs 6-10 through 6-21.

5-8. Installation – Dump Harness

A. If required, attach the dump harness to the front, left suspension cable of the cargo hook using cable ties.

B. Connect the dump harness connector to the airframe connector.

5-9. Schematic Diagram

A. Refer to Diagram 5-1 for the Bambi Bucket Interface Kit schematic diagram.

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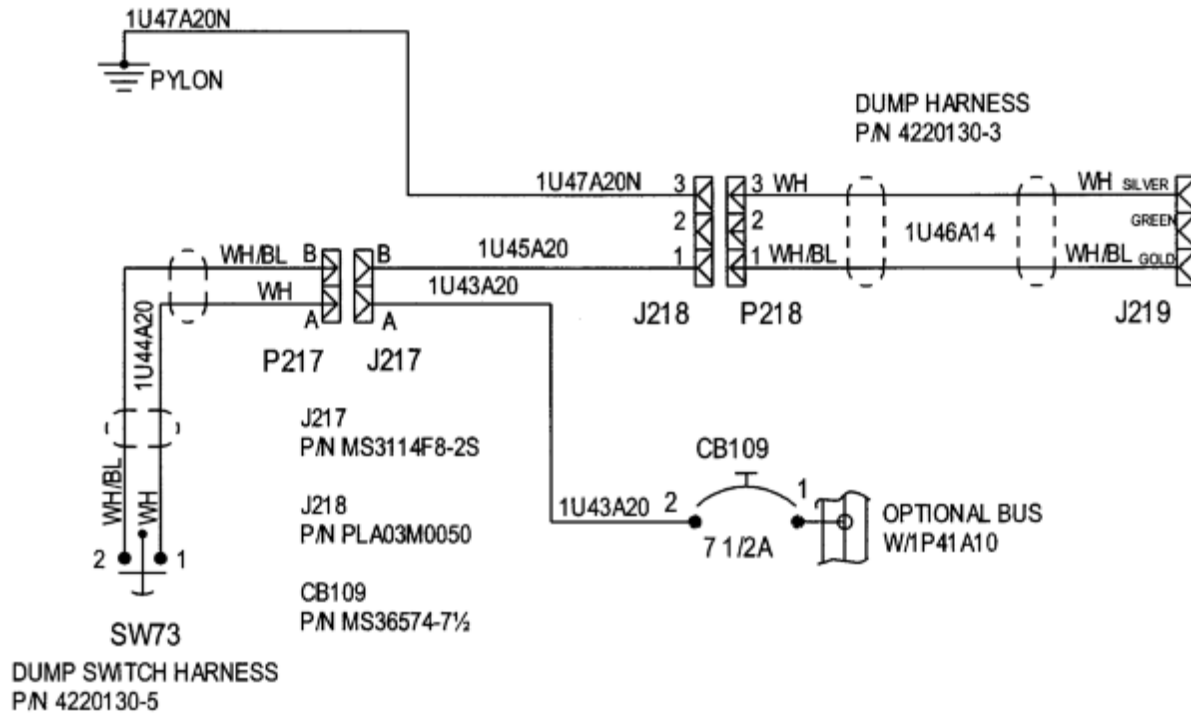


Diagram 5-1. Bambi Bucket Interface Kit

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