



SERVICE LETTER


FOR THE


HYDRAULIC BACK PRESSURE REPAIR


ON THE

MODEL 328 FAS

Model Used On: 328 FIRE ATTACK SYSTEMS
Effectivity: S/N 001
Document No.: SL 2007-001

Production Manager:  _____ Date: 1/22/07

Director of Sales:  _____ Date: 1/22/07

Director of Engineering:  _____ Date: 1/22/07

The information contained in this letter is proprietary to Simplex Manufacturing Co. Inc. Disclosure, reproduction, or use of this data for any purpose other than the operation and maintenance of the Simplex Manufacturing System is forbidden without prior written authorization from Simplex Manufacturing Co. Inc., Portland, Oregon.



No: SL 2007-001

Initial release Date: 1/22/07

Page 2 of 5

13340 NE WHITAKER WAY
PORTLAND, OREGON 97230
Phone (503) 257-3511 FAX (503) 257-8556 mail@simplexmfg.com

Date: 22 January 2007

Revision: Initial Release

PART NUMBERS AFFECTED: 000-152803-000

SYSTEM MODEL: Model 328 Fire Attack System

EFFECTIVITY: S/N 001

COMPLIANCE: Not Mandatory

DESCRIPTION: **The service letter provides instructions on how to remove the internal components of the pilot operated check valves in the hydraulic pumps housing.**

APPROVAL: None Required

MANPOWER: Estimated 2 MHRS



No: SL 2007-001

Initial release Date: 1/22/07

Page 3 of 5

13340 NE WHITAKER WAY
PORTLAND, OREGON 97230
Phone (503) 257-3511 FAX (503) 257-8556 mail@simplexmf.com

MATERIAL:

The following materials are required for the accomplishment of this letter and may be obtained through Simplex Manufacturing:

Quantity	Part Number	Description	Item No.
N/A	N/A	N/A	1

SPECIAL TOOLS:

1. 17 mm SOCKET
2. 7/16 SOCKET
3. 9/16 SOCKET
4. 3/8 DRIVE RATCHET
5. 4 mm ALLEN WRENCH
6. 9/16 WRENCH
7. SOFT JAW VICE

WEIGHT AND BALANCE: Not affected

ELECTRICAL LOAD DATA: Not affected

REFERENCE: Not affected

PUBLICATIONS AFFECTED: Not affected

13340 NE WHITAKER WAY
PORTLAND, OREGON 97230
Phone (503) 257-3511 FAX (503) 257-8556 mail@simplexmf.com

ACCOMPLISHMENT INSTRUCTIONS

- 1) Place the MASTER SWITCH on the Cockpit Display Box to the OFF position.
- 2) Remove the forward fairing by removing the two (2) AN4CH-4A bolts on the top of the fairing using the 7/16 socket first then remove the two (2) MS21044-C6 nuts on the front of the fairing using the 9/16 socket. See figure 1.

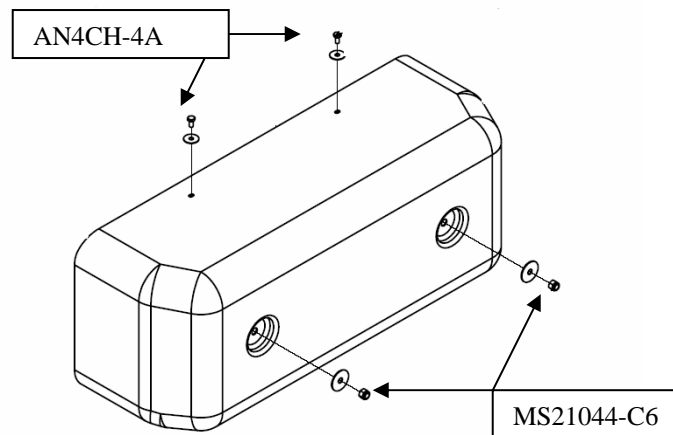


Figure 1

- 3) There are two hydraulic motor assemblies P/N 000-152803-000 on the Model 328 FAS. Each assembly has two pilot operated check valves located on opposite sides of the manifold. See figure 2.

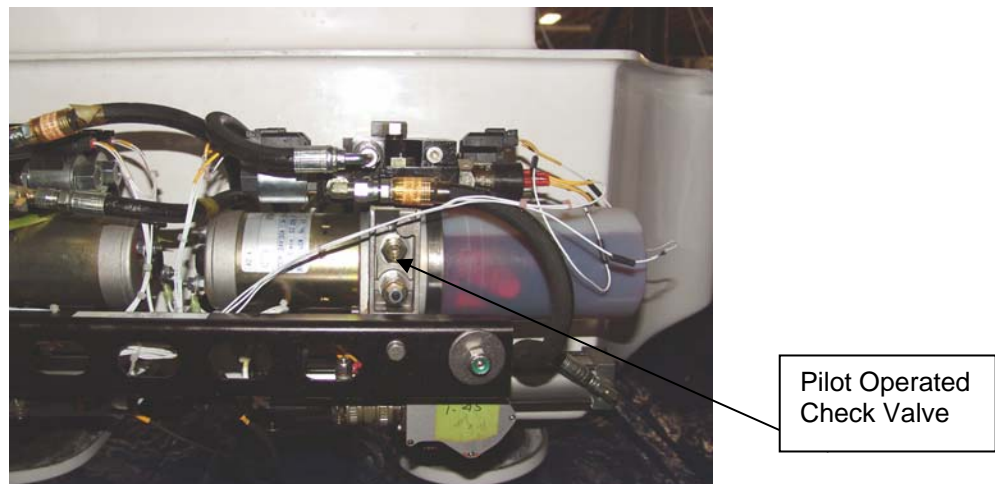


Figure 2

13340 NE WHITAKER WAY
PORTLAND, OREGON 97230
Phone (503) 257-3511 FAX (503) 257-8556 mail@simplexmf.com

- 4) Remove the valves with the 17mm socket. If necessary it is permissible to temporary loosen any hydraulic lines which may be in the way of removing the pilot operated check valves from the manifold using a 9/16 wrench.
- 5) Place the valve into a soft jaw vice. Using the 4mm hex wrench remove the cap from the pilot operated check valve. See figure 3.

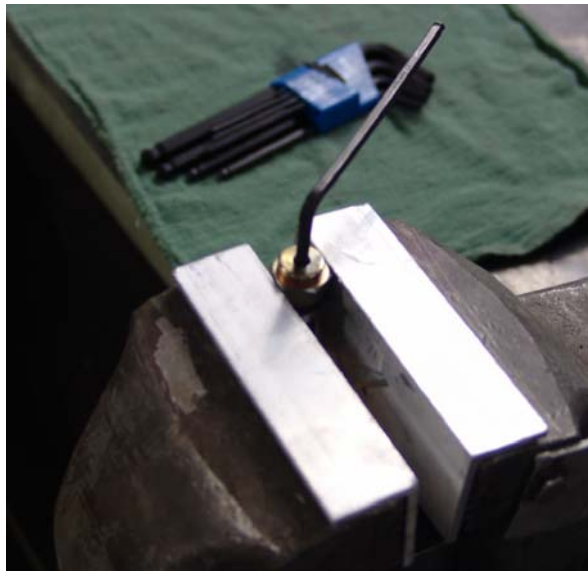


Figure 3

- 6) Remove the valve from the vice and tip the valve body over to remove the internal spring and ball bearing from the valve. Place the spring and bearing into a suitable container for storage.
- 7) Place the valve body back into the vice and reinstall the cap onto the pilot operated check valve. Ensure the copper crush gasket is under the head of the cap prior to tightening.
- 8) Reinstall the pilot operated check valves into the hydraulic manifolds and tighten any hydraulic lines that were loosened for there removal.
- 9) Perform a system operational check per the RFMS. Verify that the system operates as described and that there are no hydraulic leaks from the system.
- 10) Reinstall the fairing.