



SPARTAN CHASSIS, INC.

CSB07-230-001A

May, 2007

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CAMPAIGN SERVICE BULLETIN

SUBJECT: Cab Tilt - Cylinder

Bulletin #TSB07-230-001 is superseded by bulletin #TSB07-230-001A due to updated kit information. Any vehicle repaired under bulletin #TSB07-230-001 will not require any additional work.

APPLIES TO: Certain Spartan Firetrucks with a VDM (Vehicle Date of Manufacture) of March 13, 2007 through April 19, 2007.

CONDITION: Noisy Cab Tilt Cylinders

CORRECTION: Replace Cab Tilt Cylinders

PLEASE READ THE ENTIRE BULLETIN BEFORE PROCEEDING WITH ANY WORK. CONTACT SPARTAN CHASSIS IF THERE ARE ANY CONCERNS WITH THE PROCEDURES CONTAINED IN THIS DOCUMENT

PART / SERVICE INFORMATION:

Labor Time: 2.0 hours per unit

Part number is stamped in the cylinder just above the velocity fuse. Locate and record part number for ordering proper kit. See FIG. 3-2

1023-EE1-004 order kit S-1844-001B

1023-EE1-005 order kit S-1845-001B

Cylinders removed from the unit must be returned to Spartan Chassis, Inc. using the return material authorization process. Parts must be returned to be paid for claim.

<u>QTY.</u>	<u>Part Number</u>	<u>Description</u>
1	S-1844-001B	Kit- Cab Tilt Cylinder - 007
1	S-1845-001B	Kit- Cab Tilt Cylinder - 008
As needed	N/A	ATF Dexron III or Equivalent

Technical Service Bulletins are intended for use by Professional Technicians only. They are written to guide Professional Technicians in performing service to vehicles of product specific nature in conjunction with industry standards. Professional Technicians are appropriately trained on industry standards and have the tools and equipment to perform procedures safely and properly.



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Kit #S-1844-001B Contains:

<u>QTY.</u>	<u>Part Number</u>	<u>Description</u>
2	1023-EE1-007	Tilt Cylinder
4	188X200CP	Cotter Pin
1	CSB07-230-001A	Document Instructions

Kit #S-1845-001B Contains:

<u>QTY.</u>	<u>Part Number</u>	<u>Description</u>
2	1023-EE1-008	Tilt Cylinder
4	188X200CP	Cotter Pin
1	CSB07-230-001A	Document Instructions

STEP-BY-STEP INSTRUCTIONS:

1. Observe all industry safety standards and secure vehicle for replacement of cab tilt cylinders.
2. Refer to FIG. 3-1. Elevate and support rear of cab with proper blocking.
3. Lower cab onto blocking support to relieve pressure from cylinders.
4. Disconnect hydraulic hose from cylinder. Drain fluid into drain pan and dispose of properly.
5. Refer to FIG. 3-2. Remove velocity fuse from cylinder and save for reuse. Drain fluid into drain pan and dispose of properly.
6. Remove one (1) cotter pin from upper support retaining pin saving retaining pin and washers for reuse. Discard cotter pin.

NOTE: Some units the safety latch will need to be removed by removing cotter pin and retaining pin. If this is the case insure safety latch is reinstalled.

7. Using a pry bar compress cylinder enough to remove from attaching bracket.
8. Remove one (1) cotter pin from lower retaining pin. Remove cylinder saving retaining pin and washers for reuse. Discard cotter pin.
9. Extend new cylinder by hand to approximately the same length as the one previously removed.

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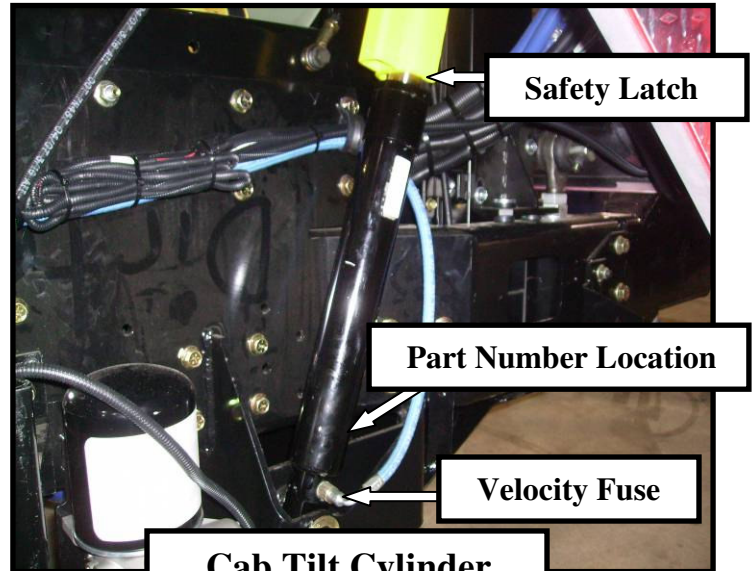
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10. Insert top of new cylinder into upper attaching bracket. Secure using retaining pin and washers. Install cotter pin insuring it is bent properly.



Reservoir for Cylinders

Supporting Cab
FIG. 3-1



Safety Latch

Part Number Location

Velocity Fuse

Cab Tilt Cylinder
FIG. 3-2

11. Extend new cylinder by hand into the lower attaching bracket. Secure using retaining pin and washers. Install cotter pin insuring it is bent properly.
12. Reinstall velocity fuse into new cylinder. Torque to 325 in. lbs.
13. Attach and secure hose. Tighten 2 flats from finger tight.
14. Repeat steps 4 through 13 for opposite cylinder.
15. Refer to FIG. 3-1. Check and add fluid as necessary. Using ATF Dexron III or equivalent.
16. Using cab tilt pump raise cab off blocking now remove blocking and lower cab.

NOTE: Cylinders must be returned to Spartan Chassis using the RMA (return material authorization process) process.

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