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BFGoodrich Aerospace

VELVET-RIDE® Suspension System

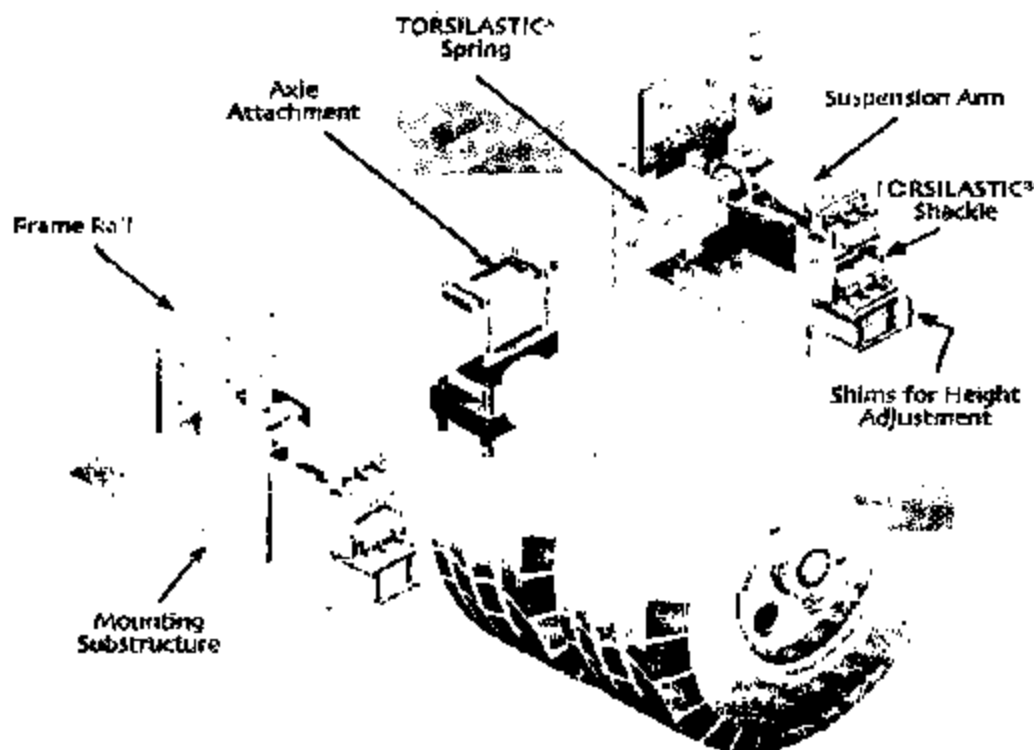
REAR SUSPENSION SYSTEM

SERVICE BULLETIN: NO.007

SUBJECT: E-450 SPRING REPLACEMENT

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OFFICE OF
SAFETY INVESTIGATION
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Please Direct Questions or Comments to

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June 27, 2000

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BFGOODRICH VELVET-RIDE 7 SUSPENSION SYSTEM

SERVICE BULLETIN NO. 007

This service bulletin is to advise the end user of the E-450 system how to replace their current 3-1/2" springs with redesigned attachment hardware and 3-1/2" springs with reinforced housings. See Figure 1. A replacement kit has been put together to accomplish this task.

Should you notice anything unusual during the replacement of your springs please notify BFGoodrich immediately by calling the phone number on the cover of this service bulletin.

Originally Written June 27, 2000

Prepared by _____
Robert A. Willgohe

Approved by _____
Robert W. Welch

SB-007 Revisions

Revision Letter

Change Description

Date

Approved

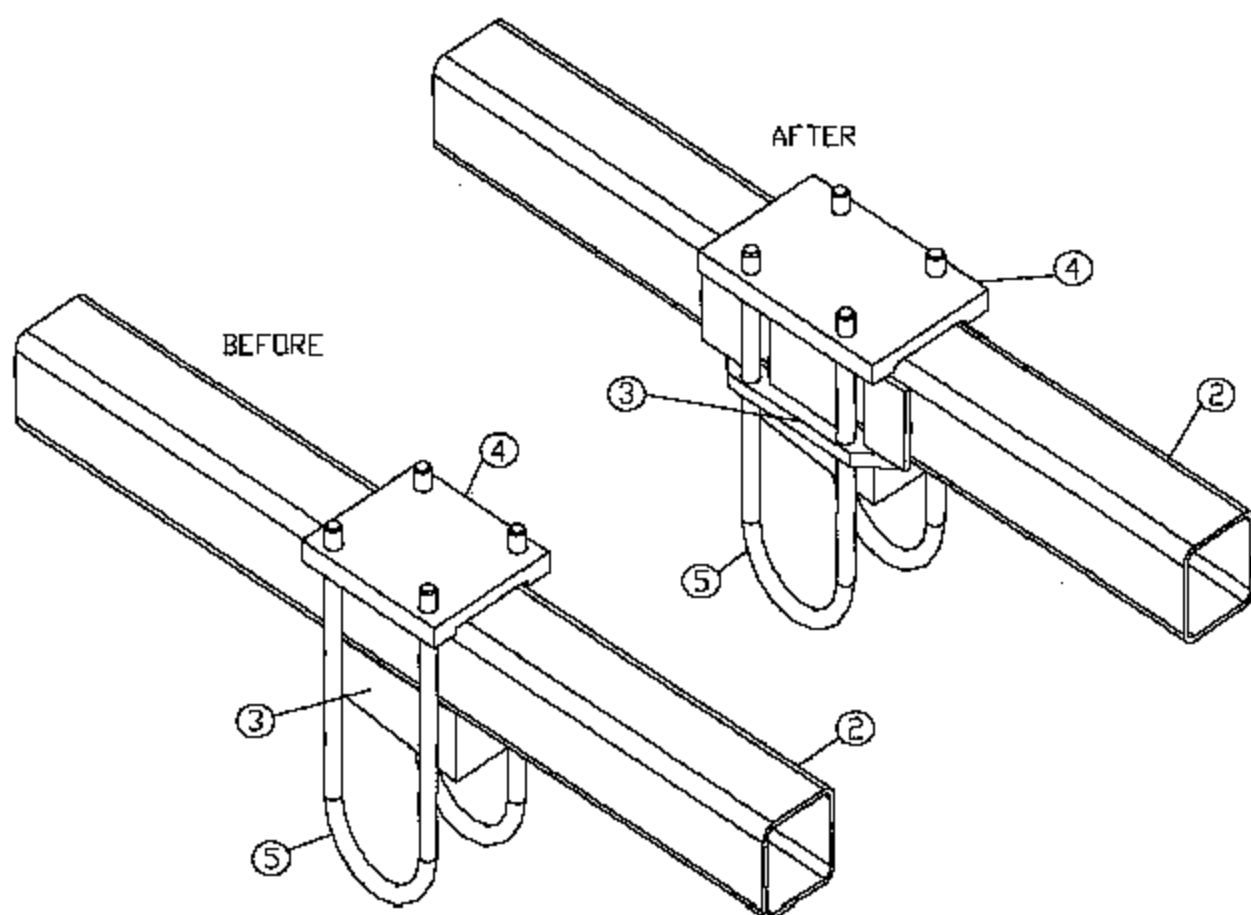


FIGURE 1

SERVICE BULLETIN No. 007 PARTS LIST
Ford E-450 Superduty

ITEM	DESCRIPTION	PART NUMBER	QTY
1	Hardware Kit	06819056	
2	Spring Assembly (Spring installed but not shown)	06816080	2
3	Spring Spacer Block	MP7262	2
4	Upper Bearing Plate	MP7203	2

ITEM	DESCRIPTION	PART NUMBER	QTY
5	5/8"-18 UNF x 12" U-Bolt	MP7265	4
6	0.63 Hardened Washer	06818127	8
7	0.625-18 UNF High Hex Nut	06818145	8
8	0.500-20 UNF X 5.00" LG Hex Bolt	MP6316	4
9	0.500-20 UNF High Hex Nut	MP6346	4
10	Service Bulletin	SB-007	1

INSTALLATION INSTRUCTIONS:

1. Secure the vehicle and jack up the rear end of the vehicle high enough to lift the rear tires off the ground.
2. Remove the rear tires.
3. Place a jack under the rear axle and lift the axle enough to loosen the 5/8" U-Bolts.
4. Remove the upper axle bracket and the 5/8" U-Bolts.
5. Loosen the spring/shackle assemblies
6. Remove the 3.5" spring/shackles assemblies from the vehicle.
7. Remove the shackle assemblies from the 3.5" springs.
8. Install the shackle assemblies on the new 3-1/2" springs. Torque the 1/2" X 5" long bolts (8) to 90 to 100 ft-lbs.
9. Reinstall the new 3-1/2" spring/shackle assemblies. Reinstall the shims. Torque the 9/16" nuts to 110 to 120 ft-lbs.
10. Lift the rear axle, turn the springs with a large pipe wrench and install the 5/8" U-bolts (5) spring spacer block(3), and upper bearing plate(4).
11. Install the 5/8" hardened washers (6) and 5/8" hex nuts (7). Tighten the 5/8" nuts to a torque of 125 - 150 ft-lbs
12. Reinstall the rear tires.
13. Lower the rear end of the vehicle and remove the Jack.
14. Adjust the ride height by adjusting the shim stack.
15. Verify the torque values of all fasteners at 1,000 miles and again at 10,000 miles.