



Harsco Track Technologies

Harsco

www.harscotrack.com

SERVICE BULLETIN MAINTENANCE OF WAY EQUIPMENT

DATE: 8-4-2004 **BULLETIN NO:** 04-006

TITLE: RUBBER SPRING SUPPORT GROUP #202654

RATING:

<input type="checkbox"/> DIRECTIVE (Action Is Required)	<input type="checkbox"/> ALERT (Potential Problem)
<input type="checkbox"/> INFORMATION (Action Is Optional)	<input checked="" type="checkbox"/> PRODUCT IMPROVEMENT (Enhance Product)

PRODUCT SERIES / MODEL: All Vehicles Equipped With HY-RAIL® Guide Wheel Equipment Series HR3000C Front Rail Pilot Units.

SERIAL NO: All HR3000C Front Rail Pilot Unit Models

SUMMARY: The original rubber spring on the rear support hanger of the Series HR3000C Front Rail Pilot Unit has been found to be too soft and does not support the rail gear properly. This allows the lower end of the rail gear to rotate downward which might cause the hydraulic cylinders to touch the top of the truck axle. A new rubber spring has been designed to replace the original rubber spring. This new spring is of a composite design of steel discs and rubber elements to hold the weight of the rail gear without excessive deflection or compression.

OPERATIONAL IMPACT: To provide a new composite rubber spring to hold the weight of the rail gear without excessive deflection or compression.

ACTION: Order one Group #202654 per vehicle to replace the original rubber spring with the new composite rubber spring. **Note: Vehicle must be taken to an approved repair facility for installation of this Group.**

CONTACT: If you have any questions or if we can be of any service, please contact Dave Wald at the Fairmont, MN. facility, (507) 235-7256.

SAFETY INFORMATION

- n **VEHICLE MUST BE TAKEN TO AN APPROVED REPAIR FACILITY FOR INSTALLATION OF THIS GROUP. IT IS THE RESPONSIBILITY OF THE REPAIR FACILITY TO ENSURE THESE MODIFICATIONS ARE DONE CORRECTLY TO OBTAIN SATISFACTORY VEHICLE PERFORMANCE.**

- n **FOLLOW APPLICABLE RAILROAD LOCKOUT - TAGOUT PROCEDURE TO REMOVE ALL ENERGY SOURCES FROM VEHICLE AND RAIL GUIDE WHEEL EQUIPMENT.**

- n **ANY JACK, JACK-STANDS, HOIST, ETC. USED MUST BE RATED TO LIFT WEIGHT OF THE VEHICLE.**

FAILURE TO COMPLY COULD RESULT IN SEVERE BODILY INJURY.

EXISTING RUBBER SPRING REMOVAL - Not Illustrated

1. Use a jack to raise the rear of the front rail pilot unit until the nylon stop pad is fully against the bottom of both leaf springs. Then support the rear of the front rail pilot unit with jack-stands.

2. Remove the existing rubber spring. First remove the hardware that fastens the rubber spring hanger bracket to the pilot unit. Then remove the rubber spring.

NEW COMPOSITE RUBBER SPRING INSTALLATION - See Figure 1

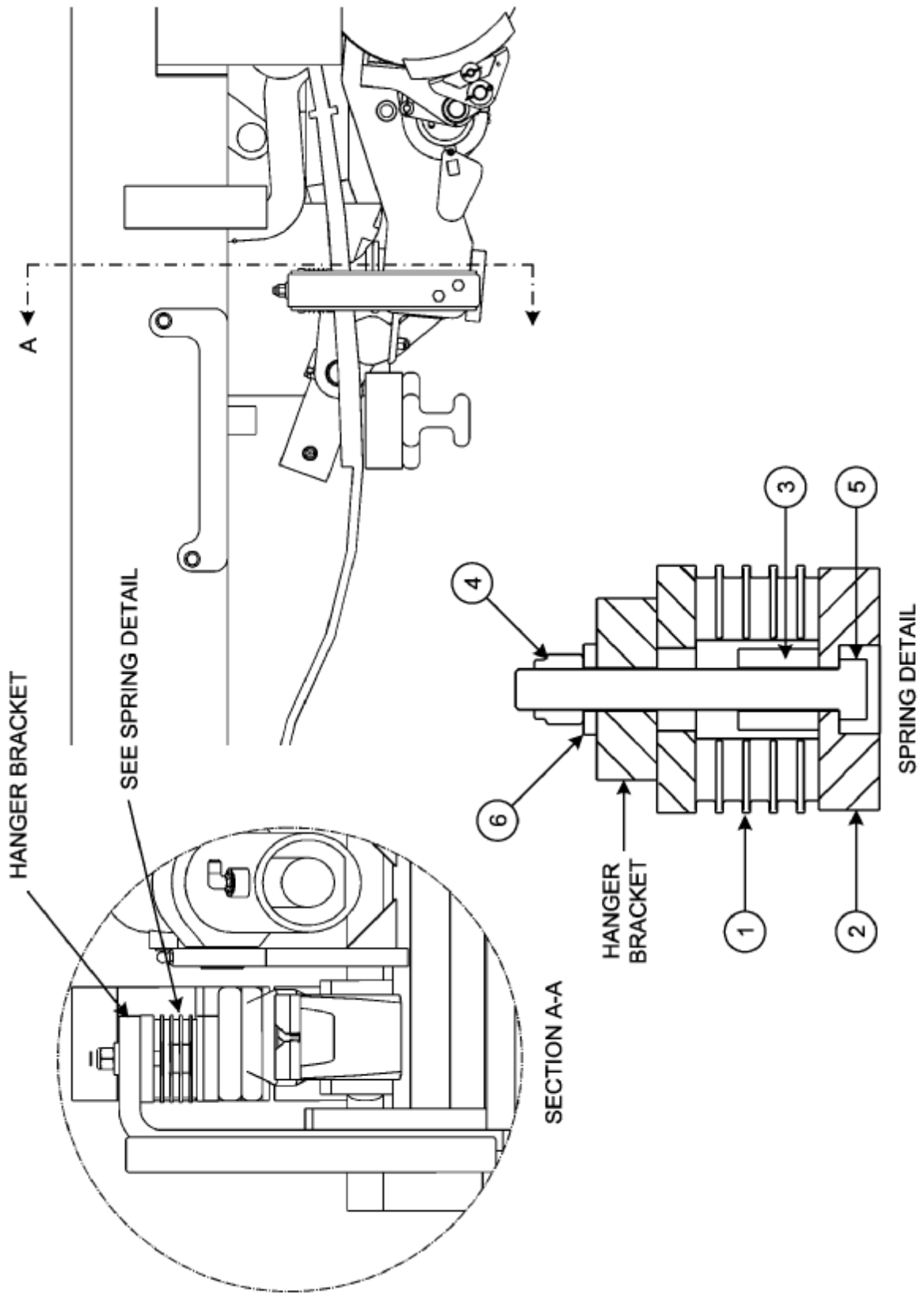
3. Install the new composite rubber spring. Attach the nylon disc to the bottom of the new rubber spring as shown. Install the nylon bushing on the inside of the new rubber spring as shown. Install the new spring assembly to the hanger bracket as shown using the 1/2 inch cap screw, wrought washer and hex nut. Tighten the hardware only enough to remove all clearances in the parts. **Do Not Over-Tighten.**

4. Install the hanger bracket to the pilot unit using the existing hardware.

5. Remove any jack-stands and jacks that were used.

6. Check for clearance around the front rail pilot unit to ensure that everything is attached properly and that there is no interference with any parts of the vehicle.

FIGURE 1
NEW COMPOSITE RUBBER SPRING



PARTS LIST - See Figure 1

ITEM	PART NO	DESCRIPTION	QTY
	202654	RUBBER SPRING SUPPORT GROUP	1
1	202565	Spring.	1
2	202569	Spacer	1
3	202570	Bushing	1
4	F013500	Hex Elastic Stop Nut, 1/2"-13.	1
5	F020599	Hex Head Cap Screw, 1/2"-13 x 4"	1
6	F024047	Wrought Washer, 1/2"	1

© 2004 HARSCO TRACK TECHNOLOGIES, HARSCO CORPORATION

415 North Main Street
Fairmont, MN
56031-1837
Tel: (507) 235-3361
Fax: (507) 235-7370

2401 Edmund Road, Box 20
Cayce-West Columbia, SC
29171-0020
Tel: (803) 822-9160
Fax: (803) 822-7471

200 South Jackson Road
Ludington, MI
49431
Tel: (231) 843-3431
Fax: (231) 843-1644