



# Harsco Track Technologies

Harsco

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## SERVICE BULLETIN MAINTENANCE OF WAY EQUIPMENT

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**DATE:** 10-18-2001 **BULLETIN NO:** 01-017

**TITLE:** 198196 BOLT-ON STEERING STOPS SERVICE GROUP

**RATING:**

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

**PRODUCT SERIES / MODEL:** All 1999 - 2001 Ford F250 / F350 4 x 4 Vehicles Equipped With HY-RAIL® Guide Wheel Equipment Series 0307, HR0307A and HR1000A

**SERIAL NO:** All Models 0307, HR0307A and HR1000A

**SUMMARY:** To eliminate welding, bolt-on type steering stops have been designed to replace the weld-on type steering stops for Ford F250 / F350 4 x 4 vehicles.

**OPERATIONAL IMPACT:** Bolt-on type steering stops are easier to install than weld-on type steering stops and components are replaceable.

**ACTION:** The installation of the bolt-on type steering stops requires:

- Positioning the vehicle's front wheels straight ahead.
- Removing the flange nuts from the spring-to-axle U-bolt.
- Installing the steering stop on the spring-to-axle U-bolt.
- Re-installing and re-torquing the flange nuts on the spring-to-axle U-bolt.
- Checking the front tire clearance in the full left and full right positions.

**CONTACT:** To order bolt-on type steering stops, please contact the HY-RAIL® Parts Department at the Fairmont, MN. facility, (507) 235-7143.

**SAFETY INFORMATION**

- **FOLLOW APPLICABLE RAILROAD LOCKOUT - TAGOUT PROCEDURE TO REMOVE ALL ENERGY SOURCES FROM VEHICLE AND RAIL GUIDE WHEEL EQUIPMENT. FAILURE TO COMPLY COULD RESULT IN SEVERE BODILY INJURY.**

**BOLT-ON STEERING STOPS INSTALLATION** - See Figure 1, Figure 2 and Figure 3

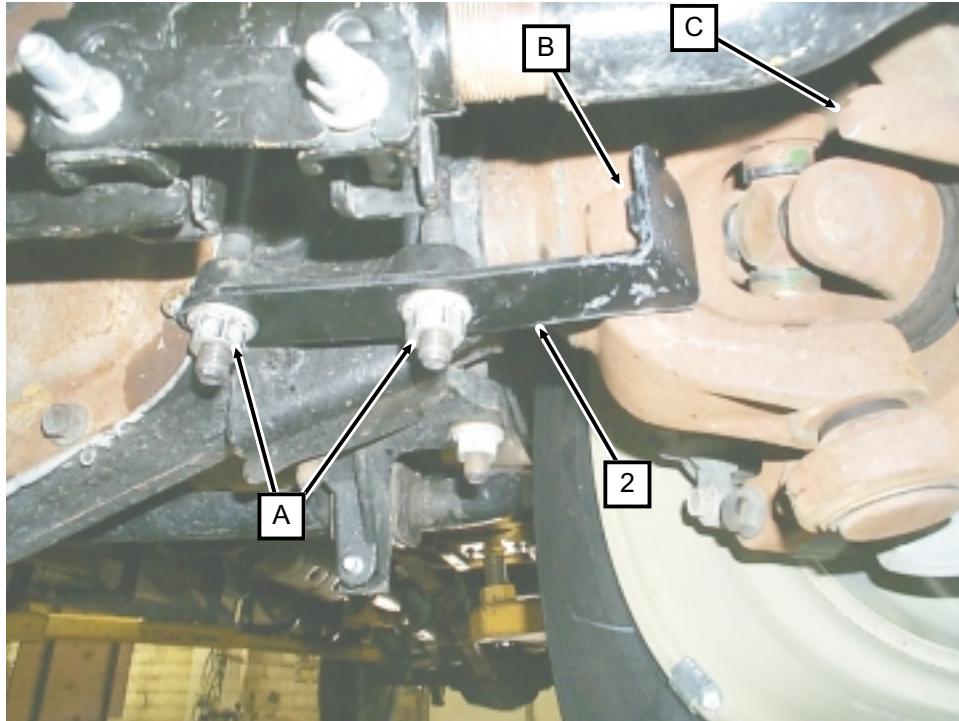
1. Position the vehicle's front wheels so they are straight ahead.
2. Remove the two flange nuts (A) from the spring-to-axle U-bolt.
3. Install the bolt-on steering stop (1 - right or 2 - left) on the threaded ends of the spring-to-axle U-bolt so the tab of the steering stop is tight against the casting (B).
4. Re-install the flange nuts (A) on the spring-to-axle U-bolt and torque to 99 ft-lbs.
5. Repeat the installation procedure to install the other bolt-on steering stop on the other side of the vehicle.
6. Turn the front wheels to the full left and full right positions to check the tire clearance.
7. If the tires rub on any portion of the vehicle in either position, it will be necessary to lay a weld bead on the face of the appropriate wheel stop (1 - right or 2 - left) so it is in-line with the manufacturer's existing wheel stop (C). Then repeat Step 6 to recheck the tire clearance.

*Note: Before doing any welding on the vehicle, refer to the vehicle manufacturer for any electrical wires or cables that may need to be disconnected to prevent damage to the vehicle's electrical system.*

**BOLT-ON STEERING STOPS INSTALLATION**

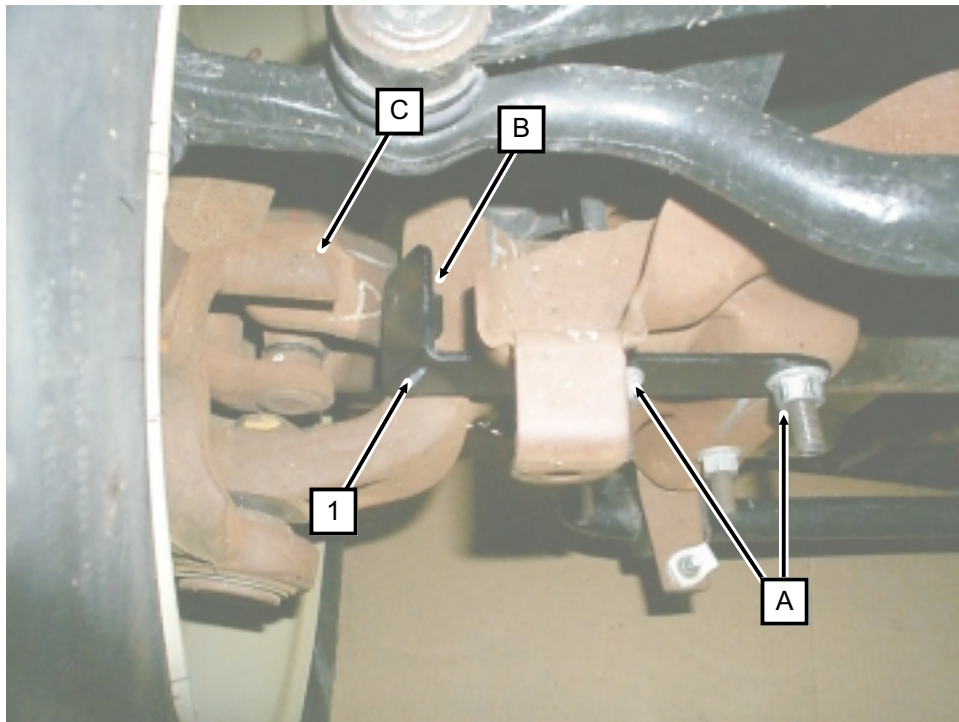
01-310

**FIGURE 1  
LEFT STEERING STOP INSTALLATION**



01-311

**FIGURE 2  
RIGHT STEERING STOP INSTALLATION**

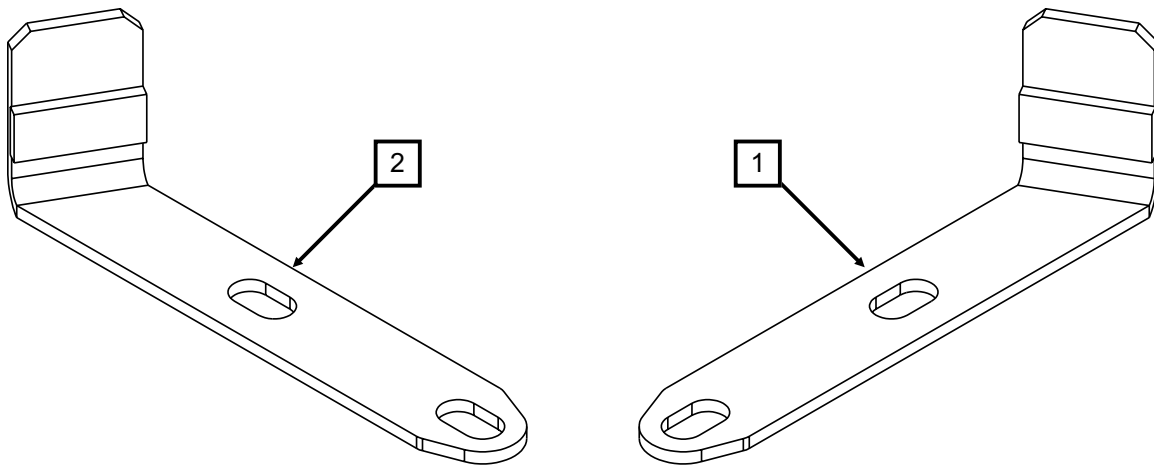


**BOLT-ON STEERING STOPS PARTS LIST - See Figure 3**

ITEM	PART NO	DESCRIPTION	QTY
	198196	BOLT-ON STEERING STOPS SERVICE GROUP .....	1
1	188436	Wheel Stop - Right .....	1
2	188437	Wheel Stop - Left .....	1

SE198196A-1

**FIGURE 3  
STEERING STOPS IDENTIFICATION**



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