



# Harsco Track Technologies

Harsco

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## SERVICE BULLETIN MAINTENANCE OF WAY EQUIPMENT

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**DATE:** 10-18-2001 **BULLETIN NO:** 01-016

**TITLE:** 198195 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 2 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 2 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:

- Removing the castle nut from the front spindle assembly on the front axle I-beam.
- Installing the steering stop on the front spindle assembly.
- Re-installing and re-torquing the castle nut on the front spindle assembly.
- 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

*Note: It is not necessary to remove the weld-on type steering stops, if applied.*

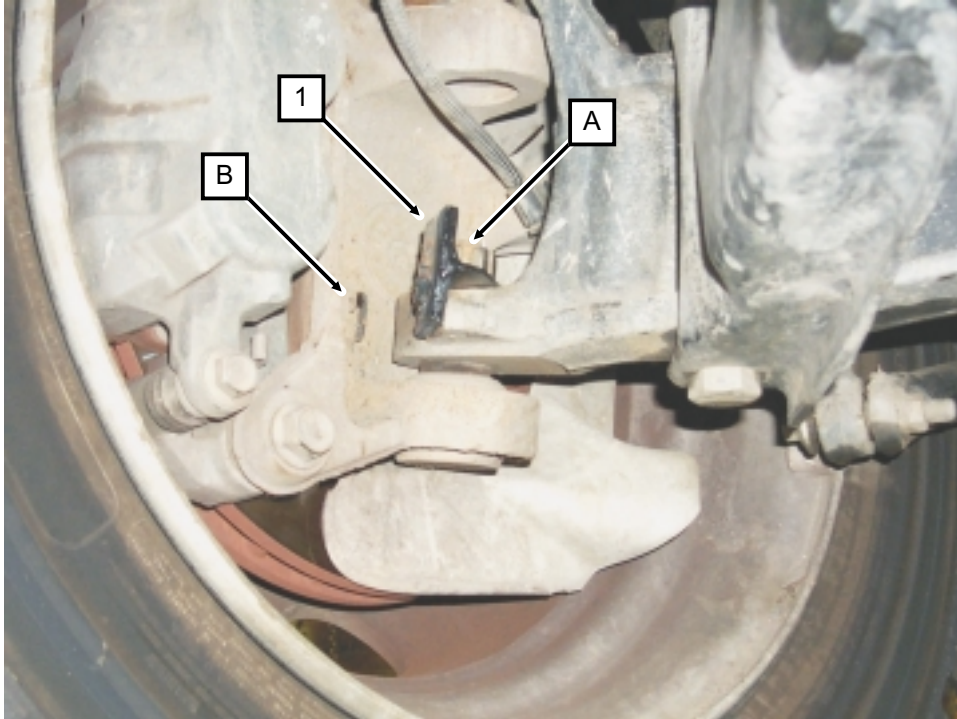
1. Remove the cotter pin and then remove the castle nut (A) from the front spindle assembly on the front axle I-beam.
2. Install the bolt-on steering stop (1) over the threaded end of the front spindle assembly stud. Be sure to position the steering stop (1) so it is parallel with the manufacturer's existing wheel stop (B).
3. Re-install the castle nut (A) on the front spindle assembly and torque to 100 ft-lbs. Secure the castle nut re-using the cotter pin.
4. Repeat the installation procedure to install the other bolt-on steering stop on the other side of the vehicle.
5. Turn the front wheels to the full left and full right positions to check the tire clearance.
6. 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) so it is in-line with the manufacturer's existing wheel stop (B). Then repeat Step 5 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**

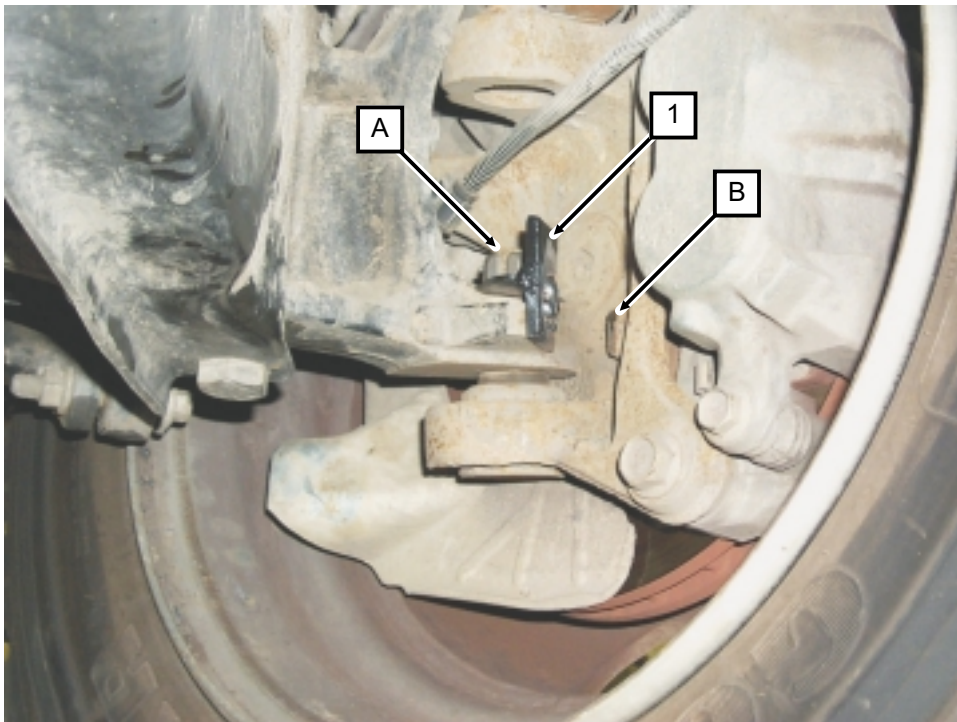
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**FIGURE 1  
LEFT STEERING STOP INSTALLATION**



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**FIGURE 2  
RIGHT STEERING STOP INSTALLATION**

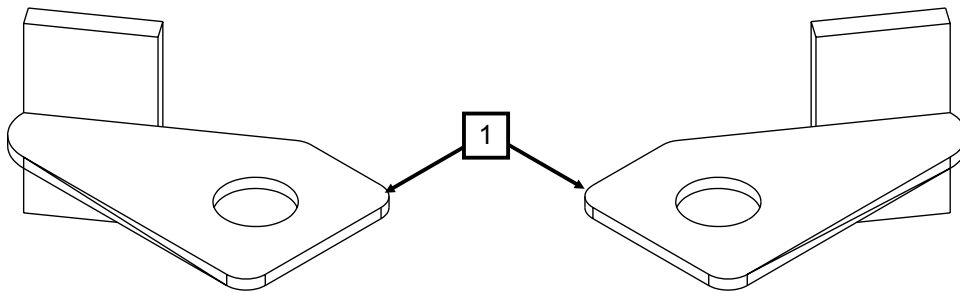


**BOLT-ON STEERING STOPS PARTS LIST - See Figure 3**

ITEM	PART NO	DESCRIPTION	QTY
	198195	BOLT-ON STEERING STOPS SERVICE GROUP .....	1
1	188359	Wheel Stop .....	2

SE198195A-1

**FIGURE 3  
STEERING STOPS IDENTIFICATION**



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