
SERVICE BULLETIN

MAINTENANCE OF WAY EQUIPMENT

DATE: 05 - 2021

BULLETIN NO: 21-003

TITLE: HR1500C Stub Axle Mounting Hole Modification

RATING:

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

PRODUCT SERIES / MODEL: All HR1500C Guide Wheel Units

SERIAL NO: N/A

SUMMARY: Harsco Rail is aware of some HR1500C guide wheel units that cannot be adjusted to the minimum 53-3/16" back of flange wheel dimension. Some customers have had issues with track travel because of this issue. As a proactive product improvement, Harsco Rail has issued this bulletin with instructions on field modification that is acceptable to correct this adjustment issue.

OPERATIONAL IMPACT:

In some track conditions, a wide guide wheel adjustment may attempt to derail from the track.

ACTION: Inspect any Harsco Rail HR1500C Guide Wheel Units to ensure adjustment fits the track needed to travel. If the unit cannot be adjusted to this minimum dimension (53-3/16") or is having issues with travel on standard gauge track, the modification below may be performed.

Follow the instructions in this Service Bulletin to disassemble, machine the mounting holes, and reassemble the Stub Axle Assemblies back onto the HR1500C Guide Wheel Unit.

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SAFETY INFORMATION

- **FOLLOW APPLICABLE RAILROAD LOCKOUT - TAGOUT PROCEDURES TO DISABLE ENERGY SOURCES WHEN PERFORMING MAINTENANCE, MAKING ADJUSTMENTS OR REPAIRS TO THE VEHICLE OR EQUIPMENT. FAILURE TO HEED THIS WARNING COULD RESULT IN SEVERE BODILY INJURY.**

Guide Wheel Back Flange Dimension - See Figures 1 & 2

1. Measure the back flange gauge of the front and rear guide wheel units. Measure from the back of the left wheel flange, directly below the center line of the wheel spindle, to the same point on the right wheel flange. This dimension must be 53-3/16 - 53-5/8 inches (1351 - 1362 mm).
2. If the back flange gauge dimension is not 53-3/16 - 53-5/8 inches (1351 - 1362 mm), follow the steps below.

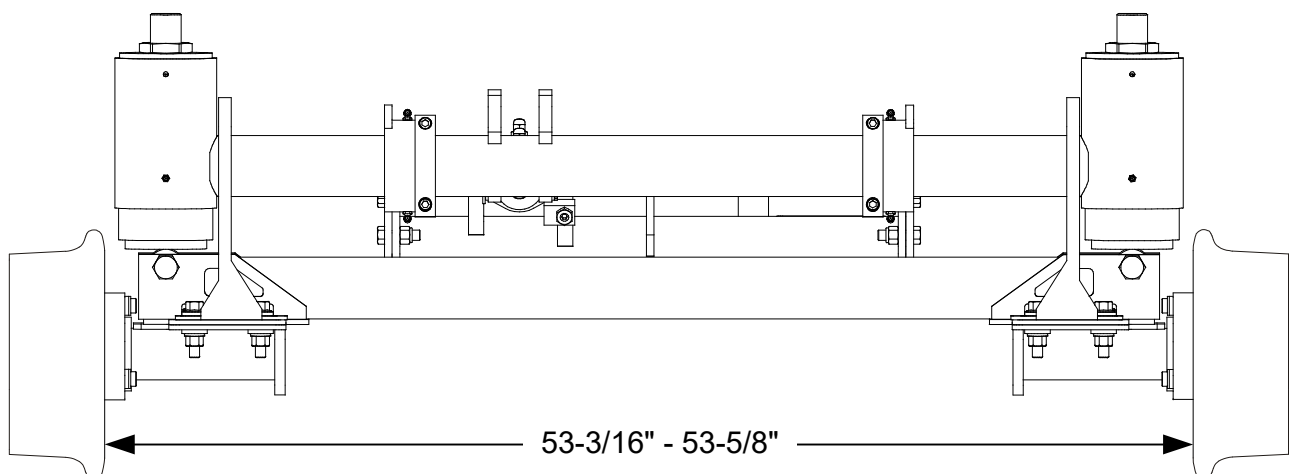
Modification of Stub Axle Assembly - See Figures 2 & 3

1. Remove Stub Axle (2) from Axle (3) by removing Fasteners (1). It is not necessary to separate the wheel or bearing assembly from the stub axle unit to perform this modification.
2. Following the dimensions shown in Figure 3, modify the holes in the stub axle to create slots as shown. Be sure to cut the slots in the direction shown - towards the flange end of the Stub Axle. If they are cut in the opposite direction, the modification will not help achieve the back flange gauge measurement desired. Repeat for the other Stub Axle.

Note: It is acceptable to modify only one Stub Axle if it corrects the issue.

3. Reinstall the Stub Axle (2) to the main unit Axle (3) with Fasteners (1). Align guide wheels and torque Fasteners (1) to 110 ft-lbs (149.14 Nm).

FIGURE 1
GUIDE WHEEL BACK FLANGE GAUGE



Modification of Stub Axle Assembly (continued)

FIGURE 2
HR1500C1 GUIDE WHEEL COMPONENTS

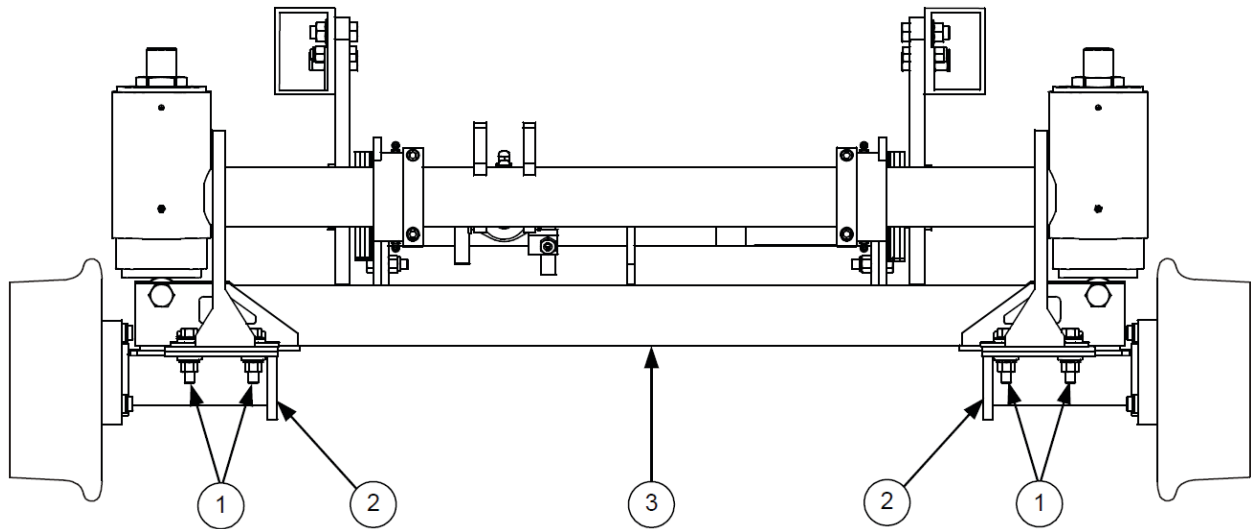
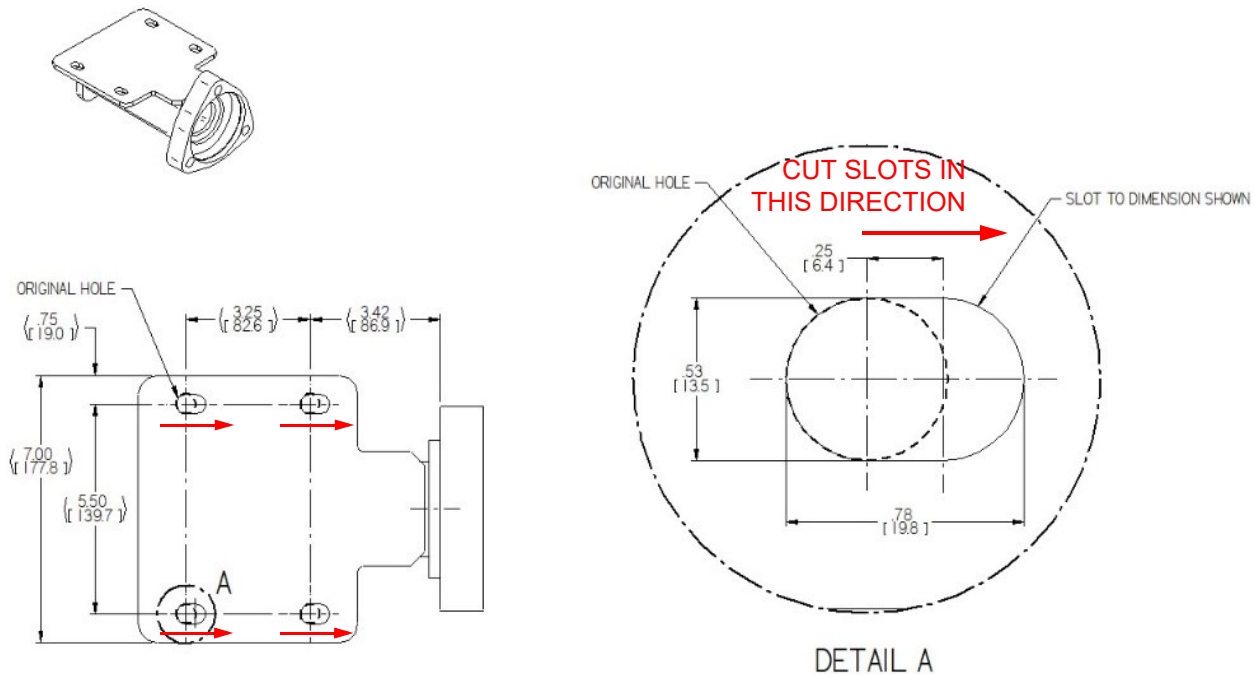


FIGURE 3
STUB AXLE MODIFICATION



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