



Harsco Track Technologies

Harsco

www.harscotrack.com

SERVICE BULLETIN

MAINTENANCE OF WAY EQUIPMENT

DATE: 8 - 2005

BULLETIN NO: 05-012

TITLE: CORRECT HAND LEVER USE

RATING:

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

PRODUCT SERIES / MODEL: HR0305 Series A, Series 0307 and HR0307 Series A
HY-RAIL® Guide Wheel Units

SERIAL NO: N/A

SUMMARY: It has been determined that the instructions for the use of the hand lever to lower and raise the guide wheels on the above listed guide wheel units are incorrect in the Operator's Service and Parts Manuals supplied with the guide wheel units.

OPERATIONAL IMPACT: Incorrect use of the hand lever may cause difficulty in lowering and raising the guide wheels.

ACTION: Follow the Lowering and Raising procedures in this Service Bulletin to lower the guide wheels to the rail and raise the guide wheels from the rail in lieu of the procedures in the Operator's Service and Parts Manuals. When the Operator's Service and Parts Manuals are updated, the lowering and raising procedures will be corrected.

CONTACT: If you have any questions or if we can be of any service, please contact the HY-RAIL® Guide Wheel Equipment Parts Department at the Fairmont, MN facility: (507) 235-7143 or (507) 235-7191.

Safety Information



■ **FOLLOW APPLICABLE RAILROAD LOCKOUT - TAGOUT PROCEDURE 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.**

Lowering Guide Wheels - See Figure 1

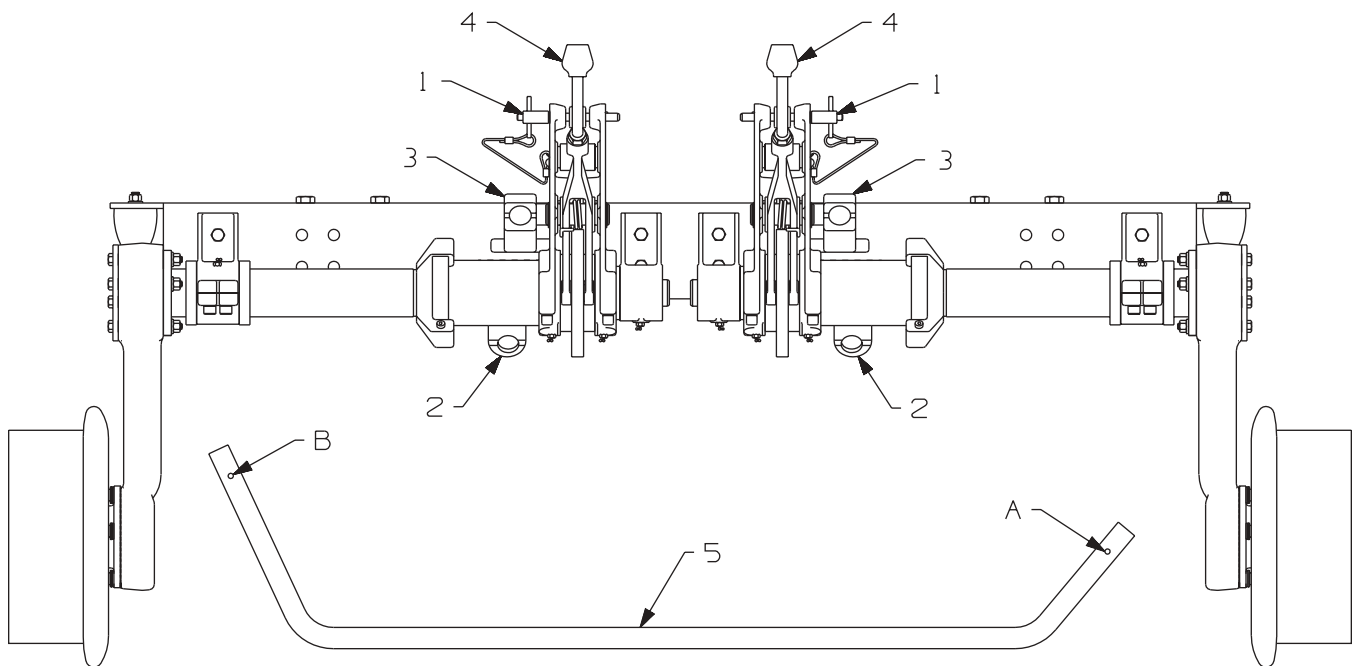
1. Ensure that highway vehicles are not approaching the grade crossing while placing the vehicle on track. To ensure safety, flag the crossing per railroad rules and regulations.
2. At a road crossing, drive the vehicle about 25 feet (7.6 M) past the track. Back the vehicle onto the rails so that the rear vehicle wheels are centered on rails. It may be necessary to move the vehicle back and forth several times to get the wheels centered on the rail properly.
3. Place automatic transmission in "PARK" or manual transmission in "NEUTRAL". Apply the parking brake.
4. Lower and lock the rear guide wheels first. The rear guide wheels should be lowered first so the vehicle front tires can be maneuvered to align the front guide wheels with the rails.
5. Remove lock pin (1). Button in "T" end of the pin must be pressed in to remove the lock pin. Place the lock pin in a position so that it does not become entangled in the mechanical lock mechanism.
6. Insert the end of hand lever (5) with the long single bend (B) into socket (2). Maintain a firm grip on the hand lever to prevent the guide wheels from dropping suddenly when the mechanical lock is released.
7. Push the locking pawl handle (4) to release the mechanical lock. Use the hand lever (5) to lower the guide wheel to the rail.
8. Remove hand lever (5) from socket (2) and insert the opposite end with short single bend (A) into socket (3). Push down on the hand lever, forcing the guide wheel down until the locking mechanism fully locks, securing the guide wheel in the "rail" position.
9. Insert lock pin (1) to secure the locking pawl (4). Button in "T" end of the pin must be pressed in to insert the lock pin. Remove hand lever (5) from socket (3).
10. Repeat Steps 5 through 9 to lower and lock the other rear guide wheel in the "rail" position.
11. After the rear guide wheels are locked in the "rail" position, move the vehicle so that the vehicle front wheels are centered on the rail. Follow the same procedure to lock the front guide wheels in the "rail" position.

Lowering Guide Wheels

12. Turn the steering wheel to set the vehicle front wheels straight ahead. Secure the steering wheel in this position with the steering lock, located on the steering column. Steering locks may vary from vehicle to vehicle but will operate similarly.

Note: Do not place any pressure on the steering wheel after the steering lock is engaged.

FIGURE 1
LOWERING GUIDE WHEELS



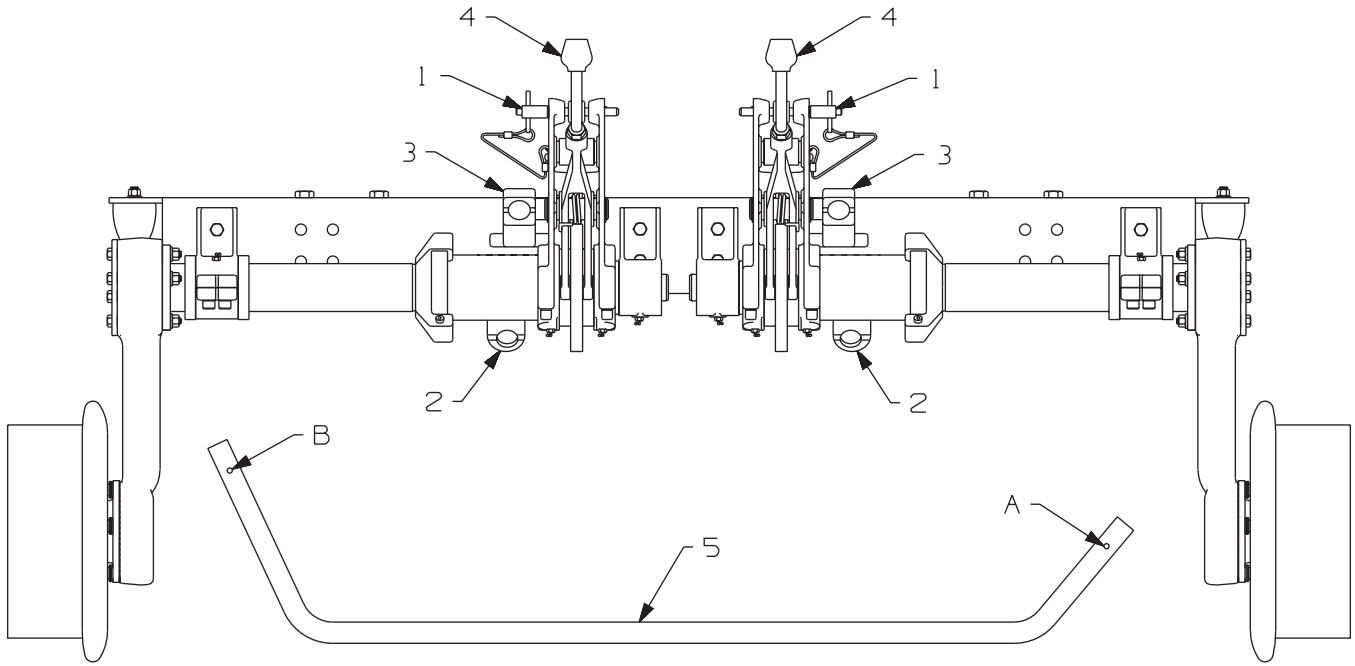
SE93A130A-1

Raising Guide Wheels - See Figure 2

1. Ensure that highway vehicles are not approaching the grade crossing while removing vehicle from track. To ensure safety, flag the crossing per railroad rules and regulations.
2. Approach a road crossing and stop with the vehicle front wheels on the crossing.
3. Place automatic transmission in "PARK" or manual transmission in "NEUTRAL". Apply the parking brake.
4. Disengage the steering lock. Steering locks may vary from vehicle to vehicle but will operate similarly.
5. Raise the front guide wheels first. Then the rear guide wheels.
6. Remove lock pin (1). Button in "T" end of the pin must be pressed in to remove the pin. Place the lock pin in a location so that it does not become entangled in the mechanical lock mechanism.
7. Insert the end of the hand lever (5) with short single bend (A) into socket (3). Push down to remove pressure from the locking pawl handle.
8. Push the locking pawl handle (4) to release the mechanical lock. Raise hand lever (5) to raise the guide wheel until it rests on the rail.
9. Remove the hand lever (5) from socket (3) and insert opposite end with long single bend (B) into socket (2). Push down on the hand lever, forcing the guide wheel up until the locking mechanism fully locks, securing the guide wheel in the "highway" position.
10. Insert lock pin (1) to secure the locking pawl (4). Button in "T" end of the pin must be pressed in to insert the lock pin. Remove hand lever (5) from socket (2).
11. Repeat Steps 6 through 10 to raise the other front guide wheel to the "highway" position.
12. After the front guide wheels are locked in the "highway" position, follow the same procedure to raise and lock the rear guide wheels in the "highway" position.

Raising Guide Wheels

FIGURE 2
RAISING GUIDE WHEELS



SE93A130A-1

© 2005 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

Printed In U.S.A.