



Harsco Track Technologies

Harsco

www.harscotrack.com

SERVICE BULLETIN MAINTENANCE OF WAY EQUIPMENT

DATE: 2-10-2006 **BULLETIN NO:** 06-001

TITLE: ENCODER ADAPTER PLATE CAP SCREWS IN DURST GEARBOXES

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 Stoneblowers, C Series Rail Grinders and PGM Rail Grinders with Durst Gearboxes

SERIAL NO: Stoneblowers: DR80200 - DR80217 and DR80301 - DR80303
C Series Rail Grinders: DR79261 / DR79271, DR79262 / DR79272, DR79263 / DR79273, DR79264 / DR79274, DR79265 / DR79275
PGM Rail Grinders: All Models with Durst Gear Boxes

SUMMARY: The 3/8 inch cap screws that mount the encoder adapter plate to the Durst gearbox may be too long bottoming out in the tapped hole and interfering with the intermediate shaft roller bearing causing premature bearing failure. The correct cap screws that must be used are 3/8-16 x 5/8 inch hex flange cap screws (HTT part # F025097).

OPERATIONAL IMPACT: To prevent the cap screws that mount the encoder adapter plate to the Durst gearbox from interfering with the intermediate shaft roller bearing.

ACTION: Follow the Procedure in this Bulletin to check and/or replace the cap screws that mount the encoder adapter plate to the Durst gearbox.

CONTACT: If you have any questions or if we can be of any service, please contact Mike Gilbert at the Fairmont, MN. facility.
E Mail: mgilbert@harscotrack.com
Phone: 507-235-7222

SAFETY INFORMATION

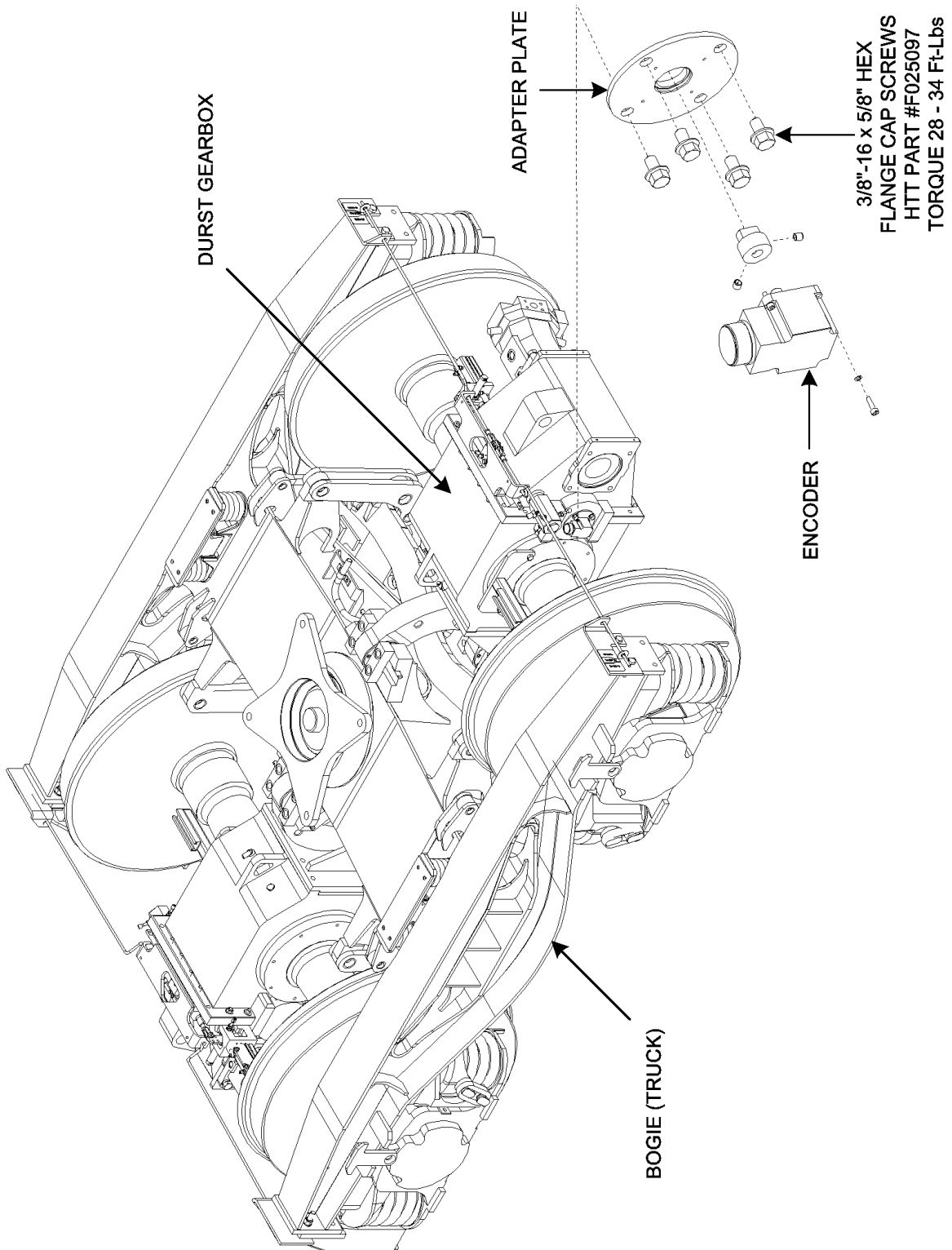
n FOLLOW APPLICABLE RAILROAD LOCKOUT - TAGOUT PROCEDURE TO REMOVE ALL ENERGY SOURCES FROM MACHINE. FAILURE TO COMPLY COULD RESULT IN SEVERE BODILY INJURY.

CHECKING CAP SCREW THREAD LENGTH - See Figure 1 and Figure 2

1. Locate the encoder on the side of each Durst gearbox.
2. Thoroughly clean the side of the Durst gearbox, encoder and adapter plate to remove all dirt, grease, debris, grinding dust, etc.
3. Remove the four 3/8 inch cap screws that mount the encode adapter plate to the side of the Durst gearbox.
4. If the cap screws are 5/8 inch long, it is not necessary to replace the cap screws.
5. If the cap screws are longer than 5/8 inch, replace the cap screws with 3/8-16 x 5/8 inch hex flange cap screws (HTT part # F025097).
6. Install the encoder adapter plate on the side of the Durst gearbox using the four 3/8-16 x 5/8 inch hex flange cap screws (HTT part # F025097). Torque the four cap screws to 28 - 34 ft-lbs.

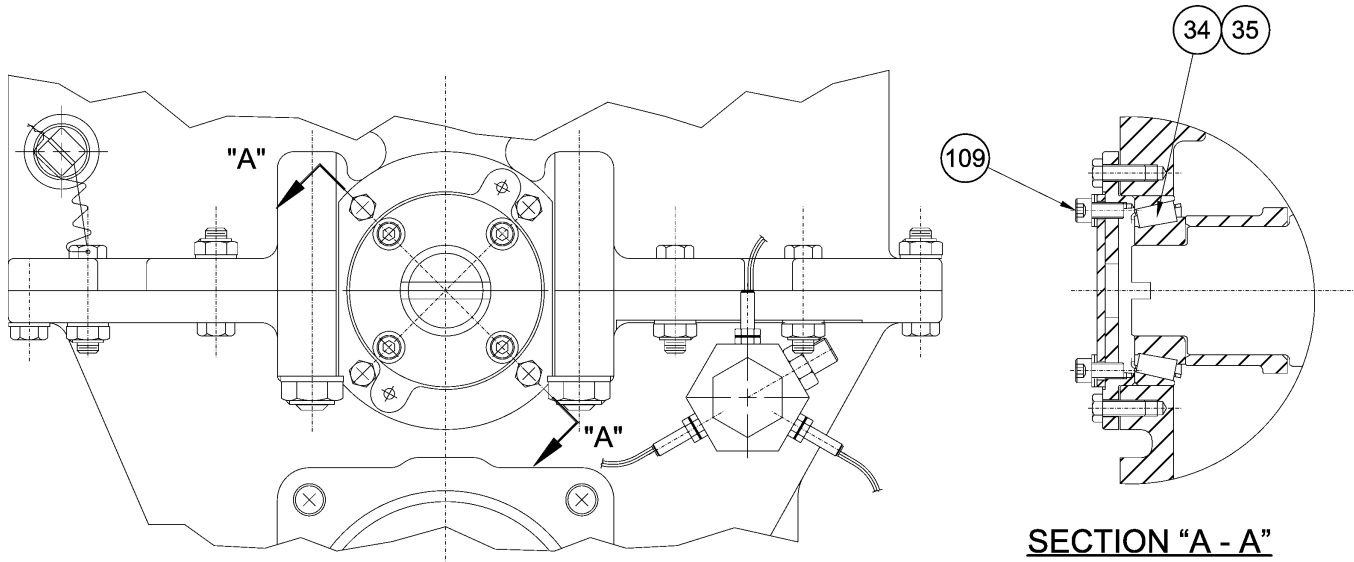
CHECKING CAP SCREW THREAD LENGTH

FIGURE 1
TYPICAL ENCODER MOUNTING IN DURST GEAR BOX
C Series Rail Grinder Illustrated



CHECKING CAP SCREW THREAD LENGTH

**FIGURE 2
DURST GEAR BOX**



- 9. CAUTION: USE 3/8"-16 X 5/8" HEX FLANGE CAP SCREWS (HTT PART # F025097) (ITEM #109) TO LIMIT THREAD ENGAGEMENT DEPTH INTO INTERMEDIATE BEARING RETAINER (ITEM #34) BETWEEN 3/8 AND 1/2 INCH. THIS WILL PREVENT CAP SCREWS FROM INTERFERING WITH TAPER ROLLER BEARING (ITEM #35) OR BOTTOMING OUT IN TAPPED HOLE.

© 2006 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