



TRAILER AIR SUSPENSIONS

H TECHNICAL BULLETIN

No: 97117-154

Subject: *Installation of ABS Bracket*

Date: NOV 2006

Revision: A

INSTALLING THE ABS SENSOR BRACKET

This is intended for installation on Hendrickson INTRAAX® suspensions only. It is not to be installed on any other make, model or type of suspension.

1. Remove the tyre/wheel assembly, brake drum, brake shoes and hub. Refer to Hendrickson publication L496, Wheel-end Maintenance Procedures, for complete removal details and safety information.
2. Prepare the mating surfaces for welding. The mounting area on the axle and the ABS bracket must be free of moisture, dirt, scale, paint and grease.
3. The axle and the ABS bracket must also have a minimum temperature of 60°F (16°C).
4. To position the ABS bracket along the length of the axle, measure back (inboard) from the bearing shoulder to the face of the ABS bracket the distance indicated in the relevant drawings at the end of the publication.
5. To position the ABS bracket around the out side diameter of the axle, align the centre of the ABS bracket hole with the centre of the slot in the brake spider.

IMPORTANT:

The ABS bracket hole must be aligned with the slot in the brake spider.

If off centre, the ABS sensor may not clear the brake spider during installation.

6. Temporarily clamp the bracket in place. Make sure the ABS bracket is flat against the axle and aligned with the slot in the brake spider. The ABS bracket must not be tilted or askew.

7. Verify that the ABS bracket is in the proper location. Insert an ABS sensor into the bracket to ensure adequate clearance with the brake spider and the hub.
8. When ABS bracket location and sensor clearance are verified, weld the ABS bracket to the axle with a 1/8-inch (3mm) fillet weld. See Drawings for weld placement.

NOTE:

Only a properly trained and competent tradesman should perform the welding. Follow all applicable safety rules and regulations for welding, including but not limited to, wearing proper eye protection and other personal protective equipment, working in a well ventilated area and keeping all flammable and combustible materials out of the work area.

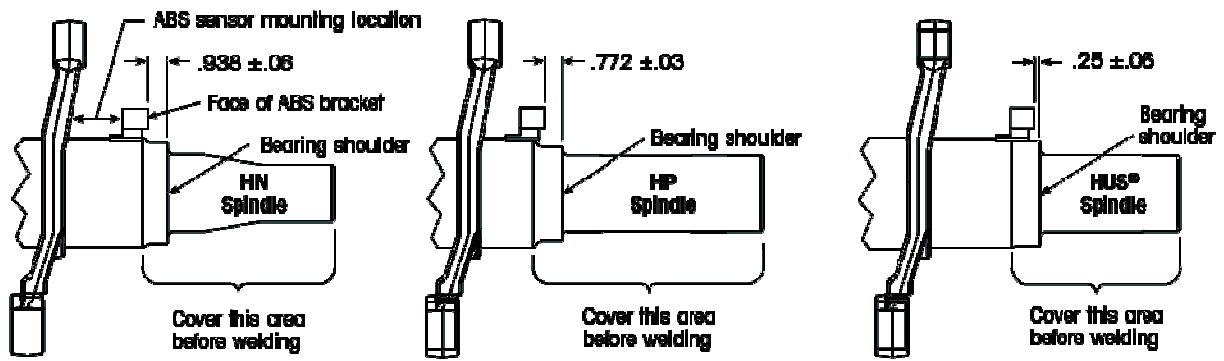
Refer to Hendrickson publication L496, Wheel-end Maintenance Procedures, for additional safety information.

IMPORTANT:

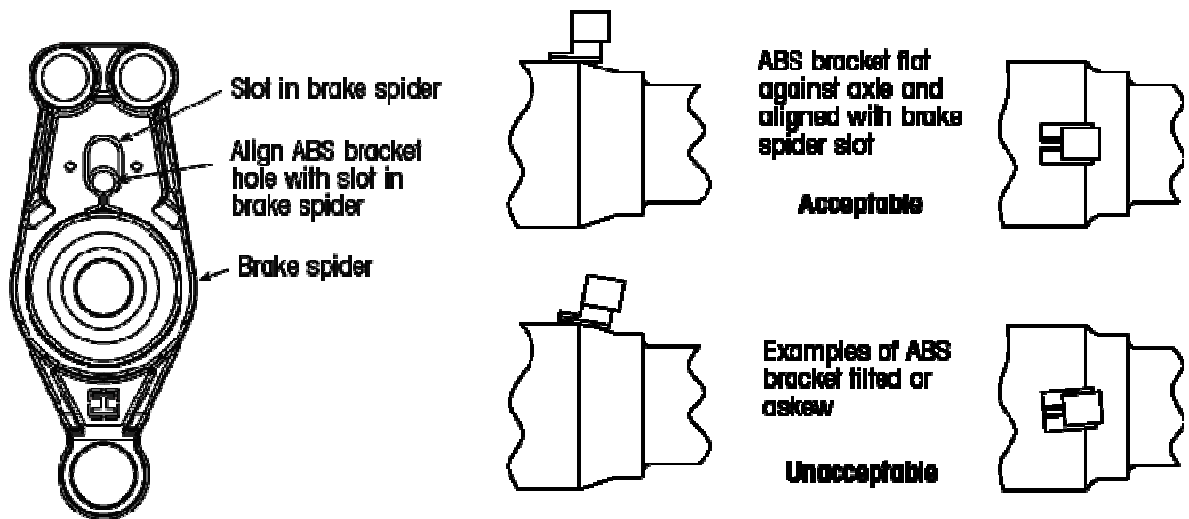
Before welding, cover the entire spindle area to avoid weld splatter damage.

Weld On Bracket Part Numbers

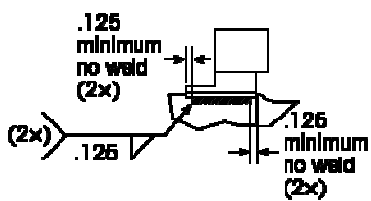
Bracket for Alloy Disc Brake Hubs	98544-062
Bracket for Steel Disc Brake Hubs	98544-061
Bracket for Drum Brakes HN Spindle	98814-004
Bracket for Drum Brakes HP Spindle (Kit)	S-21070



All dimensions in inches

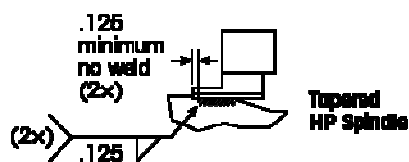
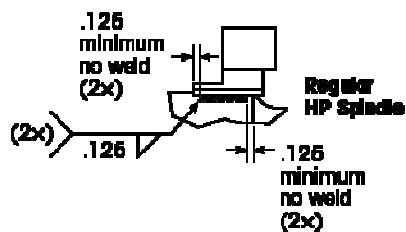


HN Spindle

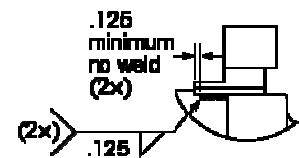


Indicates weld placement
All dimensions in inches

HP Spindle

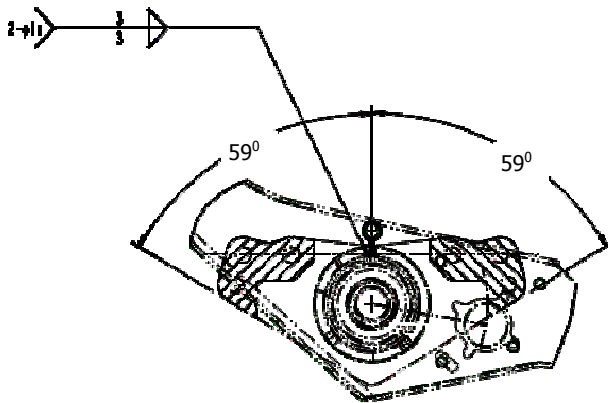
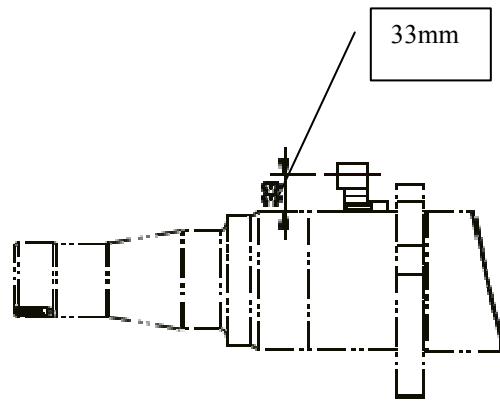
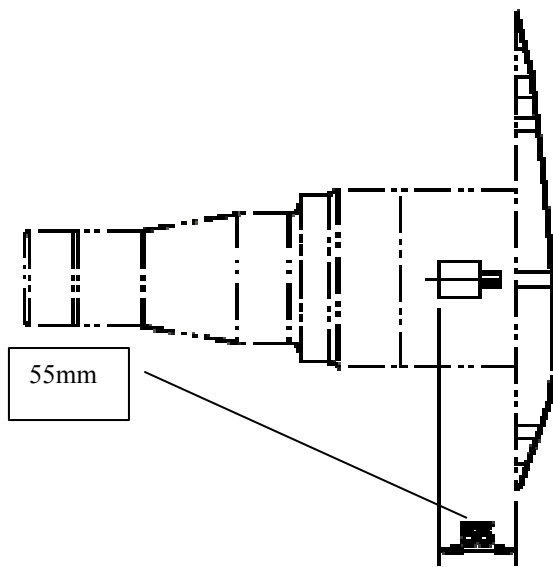


HUS® Spindle

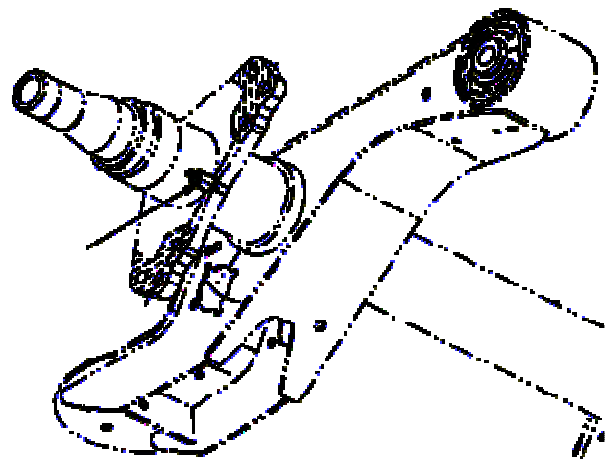


Welding Instructions

Disc Brake Diagrams



Position of ABS Bracket



Location of ABS on Disc Brake Axle