



Technical Bulletin

Trailer Axles: Install Dust Shields on 16.50x7.0-Inch Drum Brakes

Hazard Alert Messages

Read and observe all Warning and Caution hazard alert messages in this publication. They provide information that can help prevent serious personal injury, damage to components, or both.

⚠ WARNING

To prevent serious eye injury, always wear safe eye protection when you perform vehicle maintenance or service.

How to Obtain Additional Maintenance, Service and Product Information

Refer to Maintenance Manual 14, Trailer Axles. To obtain this publication, visit Literature on Demand at meritor.com.

For additional assistance, contact the Meritor OnTrac™ Customer Call Center at 866-668-7221 (United States and Canada); 001-800-889-1834 (Mexico); or email OnTrac@meritor.com.

How to Obtain Kits

Call Meritor's Commercial Vehicle Aftermarket at 888-725-9355 or visit www.MeritorPartsXpress.com.

Installing Two-Piece Dust Shields

This publication provides instructions for installing dust shields on trailer axles with 16-1/2 x 7.0-inch drum brakes using kit MPS-5132.

Dust shield Kit MPS-5132 includes two-piece dust shields which fasten to the brake spider using four self-tapping screws on each side of axle. Figure 1.

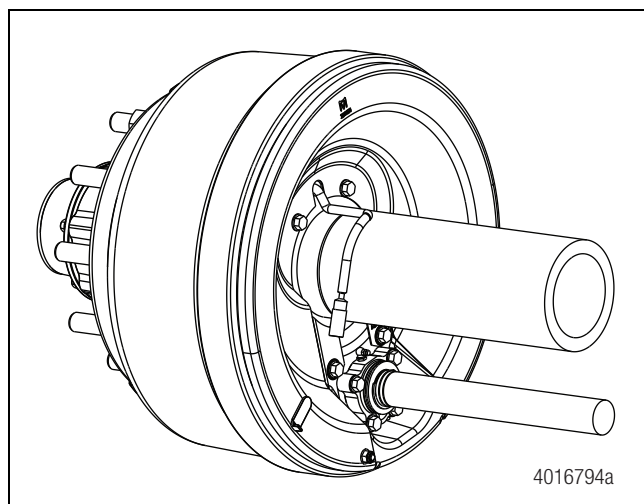


Figure 1

KIT MPS-5132

NOTE: Use Kit MPS-5132 on axles produced after "March, 2018". Use Kit "STN JE" on axles produced prior to "March, 2018".

Table A: KIT MPS-5132 Contents

Part	Part Number	Qty.
Lower dust shield or filler plate	A-3264W1635	2
Capscrew	10X1348	8
Large dust shield	3264V1634	2
Lock nut	99544000	4
Plug	21220719	4

Installation Procedure

1. Wear safe eye protection. When installing in the field, park the vehicle on a level surface. Block the wheels to prevent the vehicle from moving.
2. Clean the brake spider inboard side surface prior dust shield installation.

3. Install lower dust shield or filler plate over the camshaft on inboard side of the spider as shown in Figure 2. Align the spider holes and dust shield holes and make sure that dust shield's guide studs will be pointing toward the inboard side of the axle.

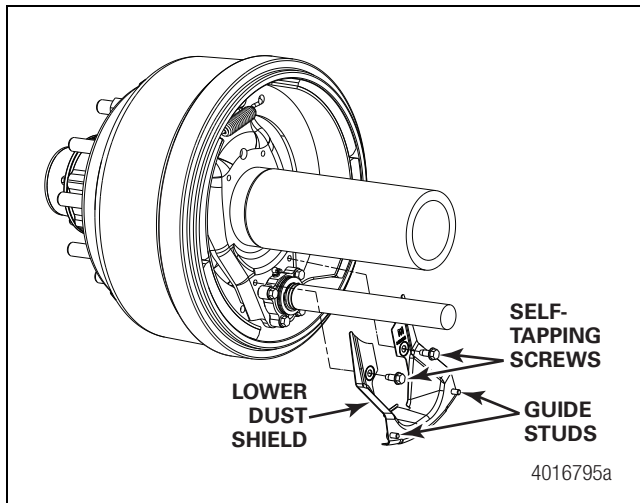


Figure 2

4. Ensure the lower dust shield locking tab gets positioned over the spider outboard surface. Figure 3.

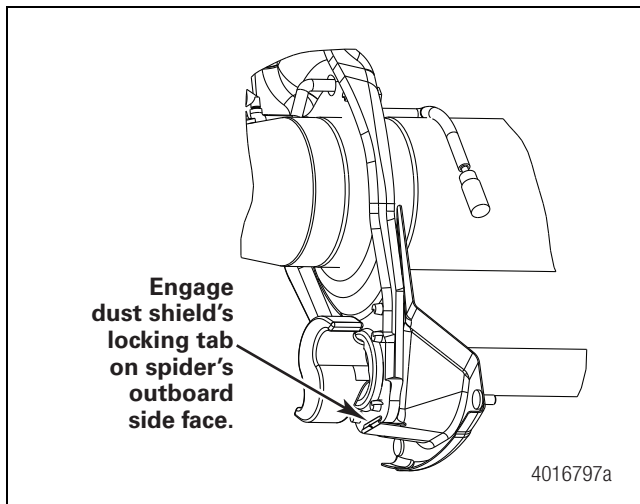



Figure 3

5. Fasten the lower dust shield to the spider using two self-tapping screws and tighten to 30-45 lb-ft (41-61 N•m). Figure 4. 

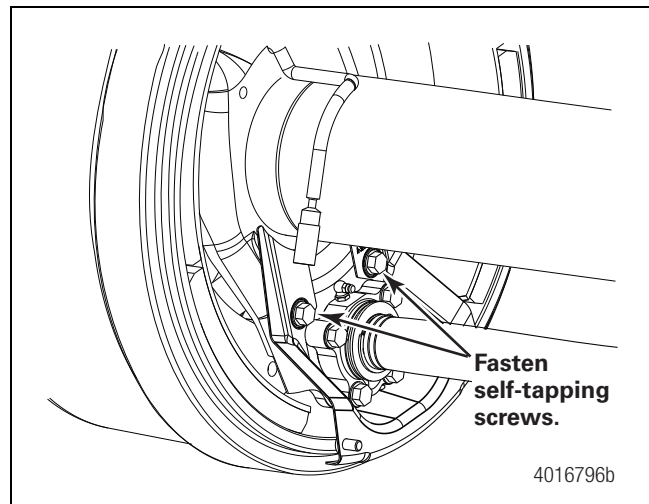


Figure 4

6. Place the large dust shield into position on the axle from the opposite side of camshaft. Install the dust shield on the inboard side of spider so that large dust shield overlays the lower dust shield and the lower dust shield's guide studs engage in the large dust shield's holes. Figure 5.

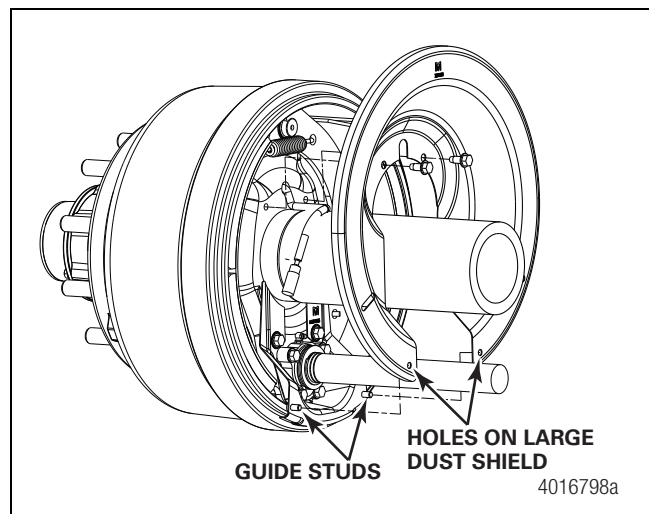



Figure 5

7. Check and make sure that the ABS cable will not interfere with large dust shield and will pass through the large dust shield's half-moon slot.
8. Align the spider holes and dust shield mounting holes. Install two self-tapping screws to fasten the large dust shield to the spider. Tighten to 30-45 lb-ft (41-61 N•m). Figure 6. 

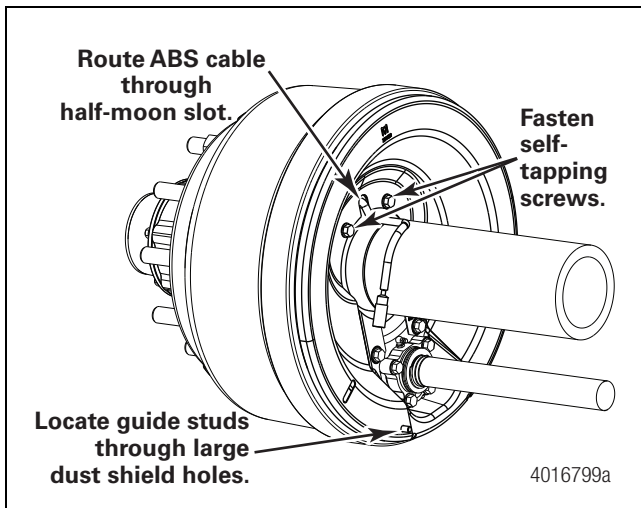


Figure 6

9. Check the gap between the dust shield and drum to ensure there is no interference. Each dust shield kit includes spacers to increase the gap between the back face of the drum and the dust shield. If necessary, add spare spacers between the spider and dust shield, as shown in Figure 7, to eliminate any interference between the drum and dust shield.

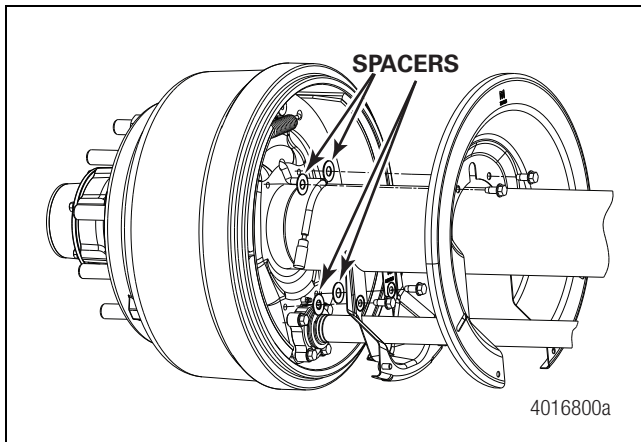



Figure 7

10. Install lock nuts on the guide studs to clamp the large dust shield with lower dust shield. Tighten the lock nuts to 8-11 lb-ft (11-15 N•m). 

11. Install the brake shoe wear window plugs so that the plug's tab point away from the axle beam. This will allow easy access to the plug tab for removal and installation. Figure 8.

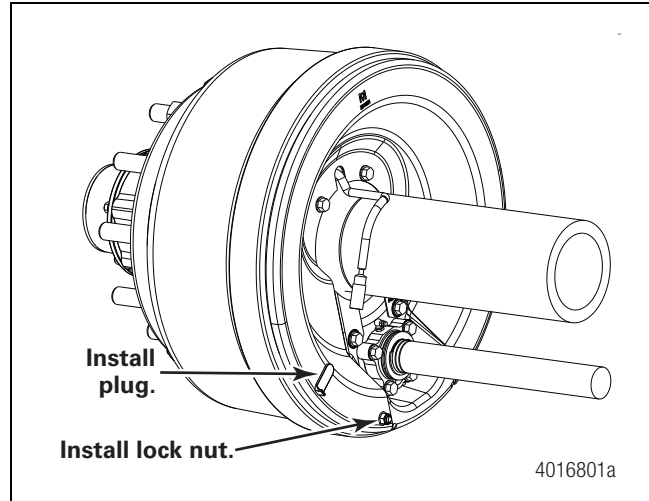


Figure 8



Meritor Heavy Vehicle Systems, LLC
 2135 West Maple Road
 Troy, MI 48084 USA
 866-OnTrac1 (668-7221)
 meritor.com

Information contained in this publication was in effect at the time the publication was approved for printing and is subject to change without notice or liability. Meritor Heavy Vehicle Systems, LLC, reserves the right to revise the information presented or to discontinue the production of parts described at any time.

Copyright 2019
 Meritor, Inc.
 All Rights Reserved

Printed in USA

TP-19114
 Issued 08-19
 (16579)