

SELECTING THE CORRECT MERITOR® CLEVIS



The Right Clevis For The Meritor Automatic Slack Adjuster (Truck, Tractor and Trailer Applications).

Meritor Automatic Slack Adjusters (ASAs) are sold in the aftermarket less clevis. Figure 1. It is recommended to replace the clevis when the ASA is replaced.

Meritor manufactures clevises with pin spacings of 1.30" and 1.38". Figure 2.

Determine The Correct Clevis Pin Spacing.

To determine the correct clevis pin spacing for truck, tractor or trailer applications, use the appropriate Meritor ASA template. The ASA templates are available at meritor.com/lod.

- Dark Brown ASA Template — TP4786 ASA Template for Trucks and Tractors with Drum Brakes with 1.38" Clevis. Figure 3.
- Grey ASA Template — TP10130 ASA Template for Trucks and Tractors with Drum Brakes with 1.30" Clevis. Figure 4.
- Tan ASA Template for Trailers — TP4787 ASA Template for Trailers with Drum Brakes. **NOTE:** Trailer must always be equipped with 1.38" Clevis. Figure 5.

How To Use The ASA Template.

Measure the old clevis, or if the old clevis is not available, measure the clevis on the opposite wheel end of the axle by matching the two cutouts on the bottom of the template to the clevis holes. Figure 6.

NOTE: Trailers must always use the 1.38" clevis. Trucks/Tractors will use either the 1.30" or 1.38" clevis.



Figure 1

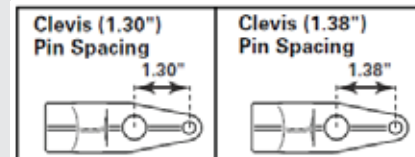


Figure 2



Figure 3



Figure 4



Figure 5

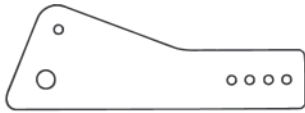


Figure 6

Template Method.

! CAUTION

There are four different installation templates for Meritor automatic slack adjusters. The ASA templates are not interchangeable. You must use the correct ASA template and clevis pin spacing and you must adjust the clevis position as described below. Figure 7. If you use the wrong combination and install the clevis in the wrong position, the slack adjuster will not adjust the brake correctly. If the slack adjuster underadjusts, then stopping distances are increased. If the slack adjuster overadjusts, then the linings may drag and damage the brake.



Color of Template	Part Number	Use to Install Slack Adjusters On
Dark brown	TP-4786	Truck or tractor drum brake with 1.38" clevis pin spacing
Tan	TP-4787	Trailer drum brake
White	TP-4781	Coach drum brake with 7-inch or bolt-on slack adjuster
Cool grey	TP-10130	Truck or tractor drum brake with 1.30" clevis pin spacing

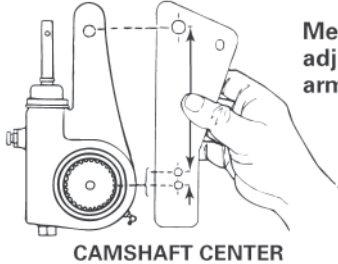


Figure 7

1. Use the correct Meritor ASA template to measure the length of the slack adjuster. The marks by the holes in the small end of the template indicate the length of the slack adjuster.
2. Install the large clevis pin through the large holes in the ASA template and the clevis.
3. Select the hole in the ASA template that matches the length of the slack adjuster. Hold that hole on the center of the camshaft.

4. Look through the slot in the template to see if the small clevis hole completely aligns within the slot.

- **If the small clevis hole doesn't align within the slot:** Adjust the clevis until you can see the small clevis pin hole within the slot. Figure 8.

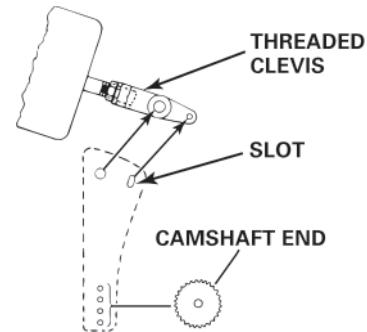


Figure 8

5. Verify that the thread engagement between the clevis and push rod is 0.5" - 0.625" (12.7-15.9 mm). Figure 9.

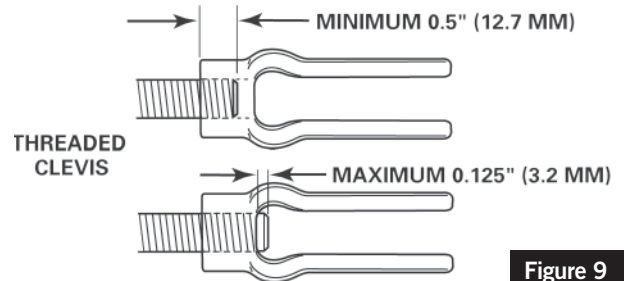


Figure 9

6. Verify that the push rod does not extend through the clevis more than 0.125" (3.2 mm).

- **If the push rod extends through the clevis more than 0.125" (3.2 mm):** Cut the push rod or install a new air chamber and push rod.

7. Tighten the jam nut against the clevis to the torque specification below. **T**

Thread	Torque
1/2-20	20-30 lb-ft (27-41 N•m)
5/8-18	35-50 lb-ft (48-68 N•m)