



F.I. – Trunnion Nut Pinch Bolt

Release: 1

Technician Skill Level: B

Revision Note: 04/2026 Initial Release

Market: North America

Service Category: Service Department

Applicability: Please refer to VDA+

Section: Function Group 722

Description:

Certain Mack LR & TE model trucks with Camelback suspension may experience a loose trunnion nut pinch bolt.

Concern:

Excessive axle movement due to a loose trunnion nut.

Action:

Follow the instructions outlined in the document to replace the trunnion nut pinch bolt lock nut with a new one, and torque to spec.

Warranty Information

| | | | |
|--|---------------|------------------------------|--------------|
| This repair is covered by an authorized Service Program. Reimbursement is obtained through the normal claim handling process. | | | |
| Claim Type (used only when uploading from the Dealer Bus. Sys.) | | | B |
| Labor Code | | Description | Hours |
| Main Code | 1720-16-09-01 | Campaign, General 10 X (0.1) | 1.0 |
| Causal Part | | 25087854 | |
| SCC Authorization Code | | S4920 | |
| Expiration Date | | April 30, 2027 | |

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Parts Information

Order using the normal process.

| Part Numbers | Part Names | Quantity |
|--------------|------------|----------|
| 945676 | Lock Nut | 2 |

Repair Procedure

1. Secure the vehicle for service.
2. Install wheel chocks.

All repair steps are from Impact operation 7229-03-02-13 Pivot Bushing, Replacement.

3. Follow **Steps 17 – 20** to remove the cap screws, cap and pinch bolt nut.
4. Ensure the trunnion adjusting nut has not backed off or become loose.
 - a) If the adjusting nut has not moved continue to **step 5**.
 - b) If the adjusting nut has moved and is now loose, **Stop** and contact your Feet Service Manager (FSM) for instructions on how to proceed.
5. Replace the pinch bolt nylon lock nut with the new (pinch type) lock nut **945676**.
6. Torque the pinch bolt lock nut to spec.

| Tightening torque | |
|------------------------------|--|
| Trunnion pinch bolt lock nut | 38 – 42 Nm (28 – 31 lb _r ·ft) |

7. Follow **Steps 39 – 41** Clean the cap, apply RTV, install the cap and screws.

| Tightening torque | |
|---------------------|--------------------------|
| Trunnion cap screws | 20 ± 5 Nm (15 ± 4 ft-lb) |

8. Remove wheel chocks.
9. Release vehicle back into service.