

Broken Longitudinal Torque Rod Mounting Stud in Axle Spring Seat

M-652-002

(November 2008)

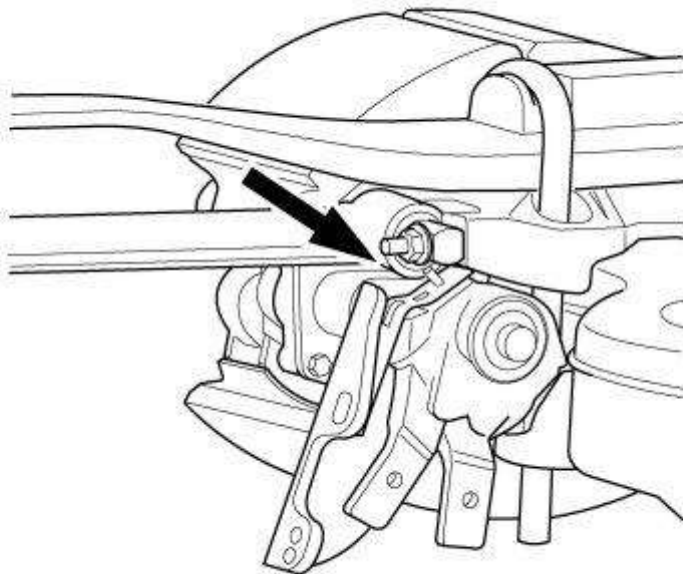
Valid for

Certain CXU,CXP,CXN,GU,CTP,TD with Mack axles and AL suspension.

Case description

On certain CXU, CXP, CXN, CHU, CHN, GU, CTP and TD model chassis equipped with the MACK AL suspension and MACK rear axles, an interference condition may exist between the brake cam tube wing bracket and the longitudinal torque rod on the right-hand side of the chassis at both the front-rear and rear-rear axles.

Interference Between Brake Cam Tube Wing Bracket and Longitudinal Torque Rod



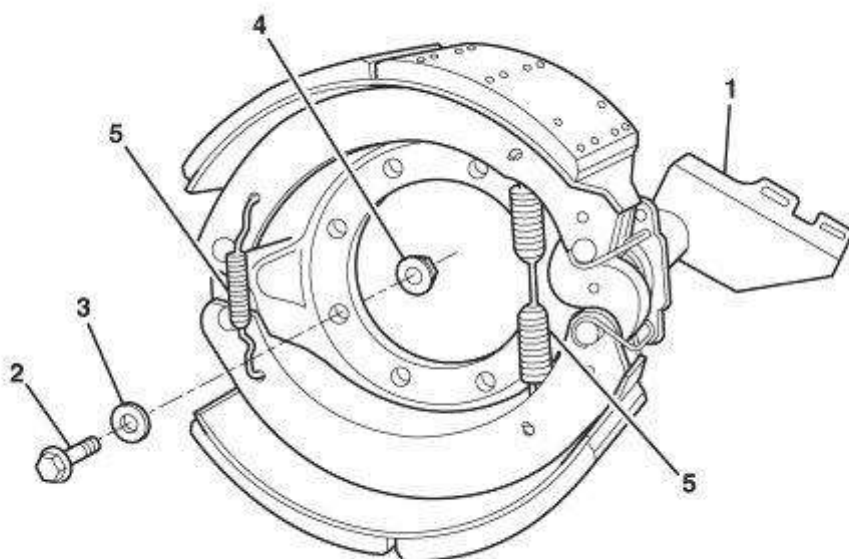
Note: This interference condition occurs on the right-hand side of the chassis only. This condition is not seen on the left-hand side.

Note: Does not apply to Mack Trucks Australia.

Repair

Should this interference condition be encountered at either the front-rear or rear-rear axle positions, replace both existing brake spiders (front-rear and rear-rear) with brake spider part number 8235- A3211Z6734. This brake spider orients the brake chamber 3 degrees lower from its original position. When replacing the brake spider, new mounting hardware must be used. Refer to the following illustration and chart for the required part numbers:

Brake Spider Mounting Hardware and Related Components

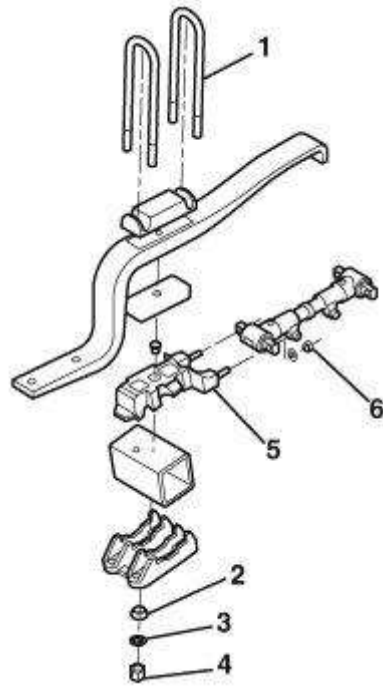


Key	Qty.*	Part number	Description
1	1	8235-A3211Z6734	Brake spider
2	8	25084804	Bolts
3	8	25097802	Washers
4	8	25085424	Nuts
5	1	8235-KIT8000HD	Brake shoe retaining hardware kit, 16.5" x 7" rear axle brakes

*Quantity per axle.

Contact between the brake cam tube wing bracket and the torque rod may eventually result in broken torque rod mounting studs. Should broken torque rod mounting studs be encountered, replacement of the spring seat(s) will be necessary. Disassembling the rear suspension for replacement of the spring seats requires replacement of the spring clips (U-bolts), washers and nuts. Part numbers are as follows:

Spring Seat and Spring Clip (U-Bolt) Replacement



Key	Qty.*	Part number	Description
1	2	20872768	Spring clips (U-bolts), front-rear axle
	2	20872770	Spring clips (U-bolts), rear-rear axle
2	—	—	Spacer, reuse existing
3	4	8084149	Washer, hardened
4	4	8084014	Nuts
5	1	25175896	Seat, spring
6	2	25173810	Locknut, torque rod mounting

*Quantity per axle.

After assembly, perform the following:

- Retorque the spring clips (U-bolts) and torque rod fasteners on the left-hand side of the chassis.
- Measure and adjust the suspension ride height.
- Check and adjust the rear axle alignment



Caution

After any repair procedure that involved removal and replacement of the spring clips (U-bolts), the spring clips must be retorqued after a minimum of one day or a maximum of one week or 5 000 km/3,000 miles of service.

Warranty information

Reimbursement

This Repair may be eligible for reimbursement if a product failure was experienced within the time and mileage limits of the applicable warranty coverage. Reimbursement is obtained via normal claim handling process.	UCHP Reimbursement
Claim Type (used only when uploading from the Dealer Bus. Sys.)	01
Labor Code	
Primary Labor Code	517 3A 1Q 80 — 5.6 hrs., time allowed to remove and replace both brake spiders to eliminate interference condition between the brake cam tube wing bracket and the longitudinal torque rod mounting bracket. Does not include “take-charge” time.
Additional labor codes	517 3B 1Q 80 — 1.7 hrs., additional time allowed to replace one spring seat if the longitudinal torque rod mounting studs are broken.
	517 3C 1Q 80 — 0.3 hr., time allowed to retorque spring clips (U-bolts) after a minimum of one day or a maximum of one week, 5 000 km/3,000 miles of service. Does not include “take-charge” time.
Causal Part	Not Applicable

Issued by

Technical Service

Mack Trucks, Inc. engages in a continuous program of testing and evaluating to provide the best possible product. Mack Trucks, Inc., however, is not committed to, or liable for updating existing chassis.