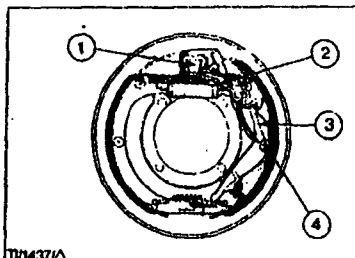


12 BRAKING SYSTEM



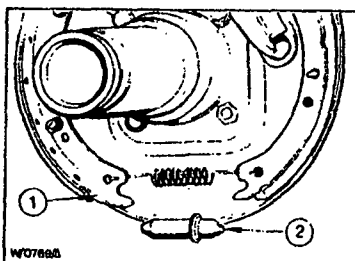
TV1437/A

Remove the Auto-Adjust Link

1. Anchor Plate
2. Link
3. Actuating Lever
4. Hold Down Spring Assembly

Brake Shoe Removal

Remove the rear brake shoe pull-off spring, completely slacken the brake adjuster, expand the lower brake shoe tips and remove the adjuster assembly.



Removing the Adjuster

1. Brake Shoes Expanded
2. Serrated Adjuster

- ☐ Remove the split pin and the parking brake cam retaining nut.
- ☐ Remove the auto-adjust link anchor plate and the parking brake cam from the cam shaft and cable.
- ☐ Remove the three remaining brake shoe hold down spring assemblies and the lower brake shoe return spring.
- ☐ Remove the brake shoes and upper return spring and disconnect the upper brake shoe return spring from the brake shoes.

Cleaning and Inspection

Clean the brake shoes, drum and backplate assembly, dry cleaning where possible. Use

vacuum extraction equipment to remove the brake shoe dust which may contain asbestos particles. Use solvents only where it is necessary to remove oil or grease contamination. Do NOT allow solvents, oil or grease to contaminate the brake linings.

Examine the brake shoes, linings and return springs for damage and wear. Renew or reline the brake shoes if the lining material is contaminated, damaged or worn down to almost the level of the rivet heads.

Examine the brake drums for excessive wear, damage, ovality and taper. Renew or repair the drums as necessary.

CAUTION: ALWAYS renew brake shoes or linings in axle sets to avoid uneven braking. If a brake drum is damaged and is repaired by skimming out to oversize, then the other drum of the axle set MUST also be made oversize and an axle set of oversize linings fitted.

Examine the wheel cylinder for leaks or damage and renew or overhaul it as necessary.

Examine the adjuster mechanism for wear, damage and corrosion. Renew parts as necessary.

Examine the parking brake mechanism for wear, damage or corrosion. Renew parts as necessary.

Examine the backplate and grease baffle for damage, tightness of mounting bolts to the hub flange, security of the brake shoe steady posts and excessive corrosion.

The carrier plate retaining nuts must be checked by tightening them to the specified torque. If the nuts move during this check, they must be removed and discarded and new self locking nuts fitted and tightened to the specified torque after cleaning and applying the specified loctite to the threads of the retaining bolts.

Parking Brake Cross Cable Removal

- ☐ Slacken the cross cable clevis lock nut, remove the clevis split pin and disconnect the clevis from the parking brake equaliser. Remove the clevis and locknut from the cable.
- ☐ Remove the split pin and clevis pin retaining the cable quadrant to the back plate bracket and remove the quadrant and cable assembly. Remove the cable rubber boot from the backplate.