FIELD MAINTENANCE
BRAKE MECHANISM ADJUSTMENTS

INITIAL SETUP:

Tools and Special Tools
Tool Kit, General Mechanic's: Automotive
(Volume 5, WP 0826, Table 1, Item 56)
Adjusting Tool, Brake Shoe
(Volume 5, WP 0826, Table 1, Item 3)

References
WP 0426

Equipment Condition
Parking brake set. (TM 9-2320-272-10)

Equipment Condition (cont.)
Spring (emergency) brake caged.
(TM 9-2320-272-10)
Front hub and drum removed. (WP 0479)
or (WP 0481)
Rear hub and drum removed. (WP 0480)
or (WP 0482)

FRONT BRAKE SHOE CHECK AND ADJUSTMENT

1. Remove two rubber inspection hole covers (Figure 1, Item 1) from brake drum dust covers (Figure 1, Item 4).
2. Check brake shoe lining (Figure 1, Item 8) to brake drum (Figure 1, Item 7) clearance through inspection hole (Figure 1, Item 5). Clearance should be 0.020 to 0.040 in. (0.508 to 1.016 mm).
3. Remove two rubber adjusting hole covers (Figure 1, Item 2) from brake drum dust cover (Figure 1, Item 4).
4. Using brake shoe adjusting tool through adjusting holes (Figure 1, Item 3), rotate star wheel (Figure 1, Item 6) until proper clearance is obtained.
5. Install two rubber inspection hole covers (Figure 1, Item 1) and two rubber adjusting hole covers (Figure 1, Item 2) on brake drum dust covers (Figure 1, Item 4).

FRONT BRAKE SHOE CHECK AND ADJUSTMENT - Continued

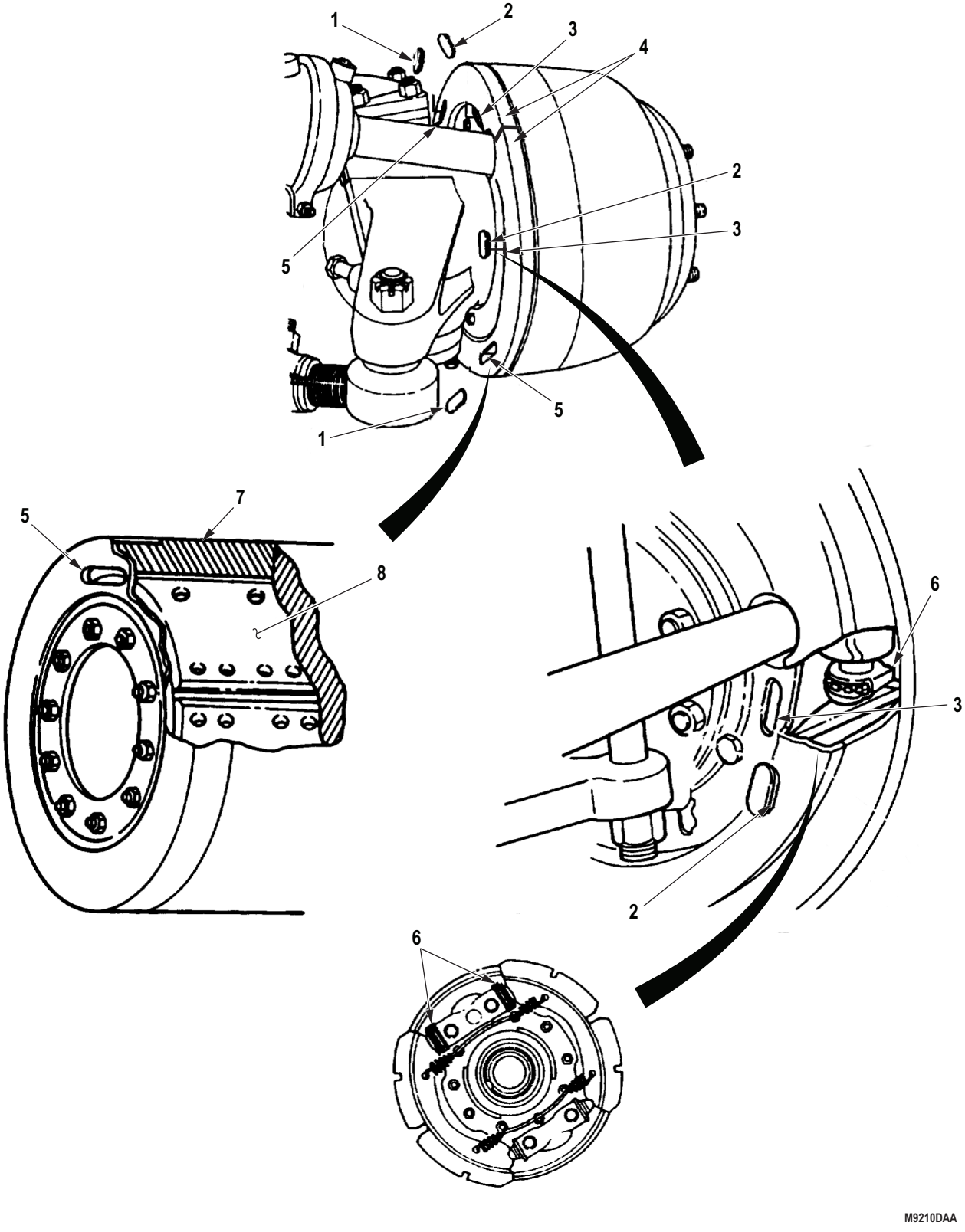

Figure 1. Front Brake Check and Adjustment.

END OF TASK

REAR BRAKE SHOE CHECK AND ADJUSTMENT

1. Remove two rubber inspection hole covers (Figure 2, Item 3) from brake drum dust covers (Figure 2, Item 8).
2. Check brake shoe lining (Figure 2, Item 6) to brake drum (Figure 2, Item 5) clearance through inspection hole (Figure 2, Item 2). Clearance should be 0.020 to 0.040 in. (0.508 to 1.016 mm).
3. Remove two rubber adjusting hole covers (Figure 2, Item 1) from brake drum dust cover (Figure 2, Item 8).
4. Using brake shoe adjusting tool through adjusting holes (Figure 2, Item 4), rotate star wheel (Figure 2, Item 7) until proper clearance is obtained.
5. Install two rubber inspection hole covers (Figure 2, Item 3) and two rubber adjusting hole covers (Figure 2, Item 1) on brake drum dust covers (Figure 2, Item 8).

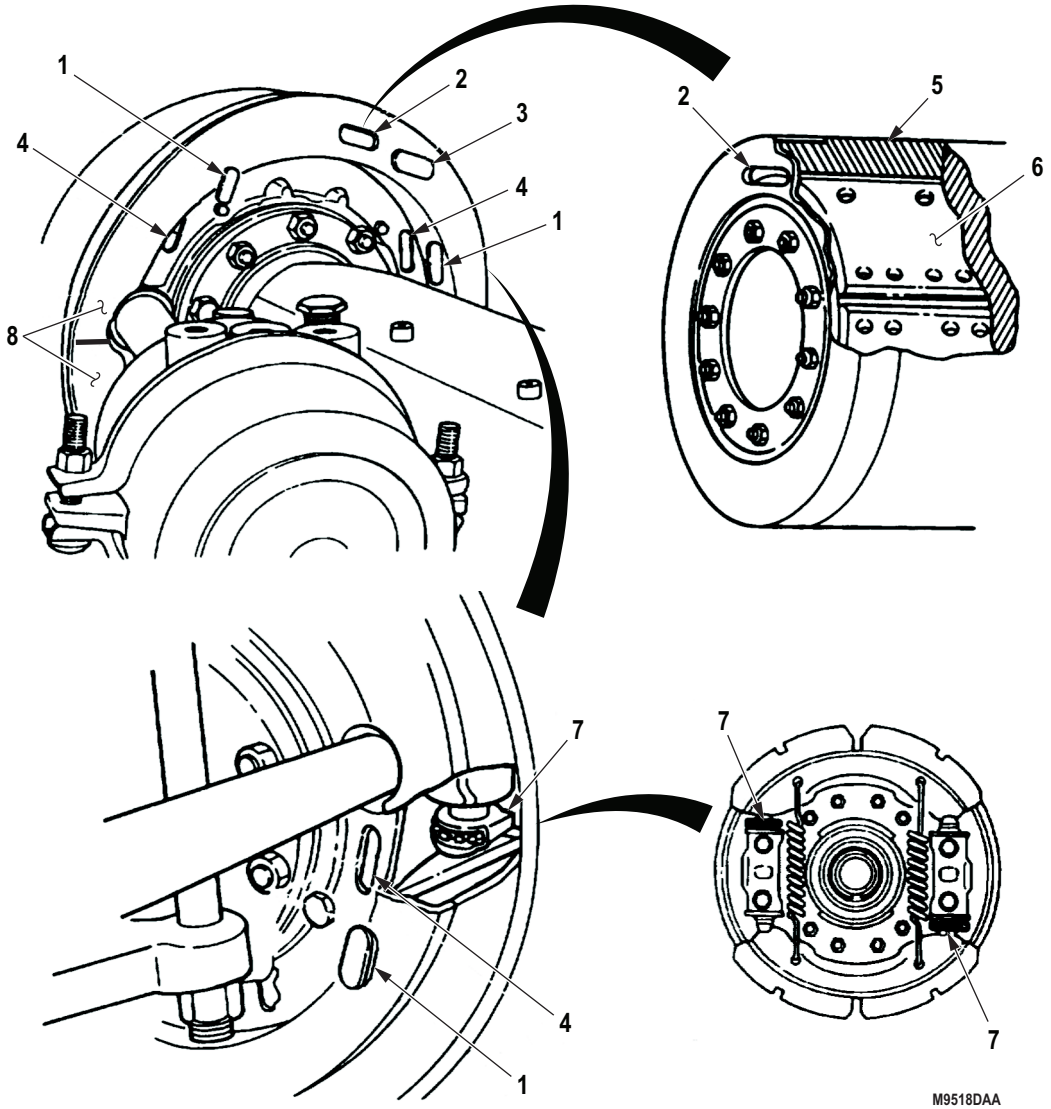

Figure 2. Rear Brake Check and Adjustment.

END OF TASK

CHECKING BRAKE SHOE AND MECHANISM WEAR

1. Remove two rubber inspection hole covers (Figure 3, Item 1) from brake drum dust cover (Figure 3, Item 3).
2. Inspect chamfer (Figure 3, Item 4) on brake shoe lining (Figure 3, Item 5) through inspection hole (Figure 3, Item 2). If brake shoe lining is worn to depth of chamfer, replace brake shoes (Figure 3, Item 6) (WP 0426).
3. Install two rubber inspection hole covers (Figure 3, Item 1) on brake drum dust cover (Figure 3, Item 3).

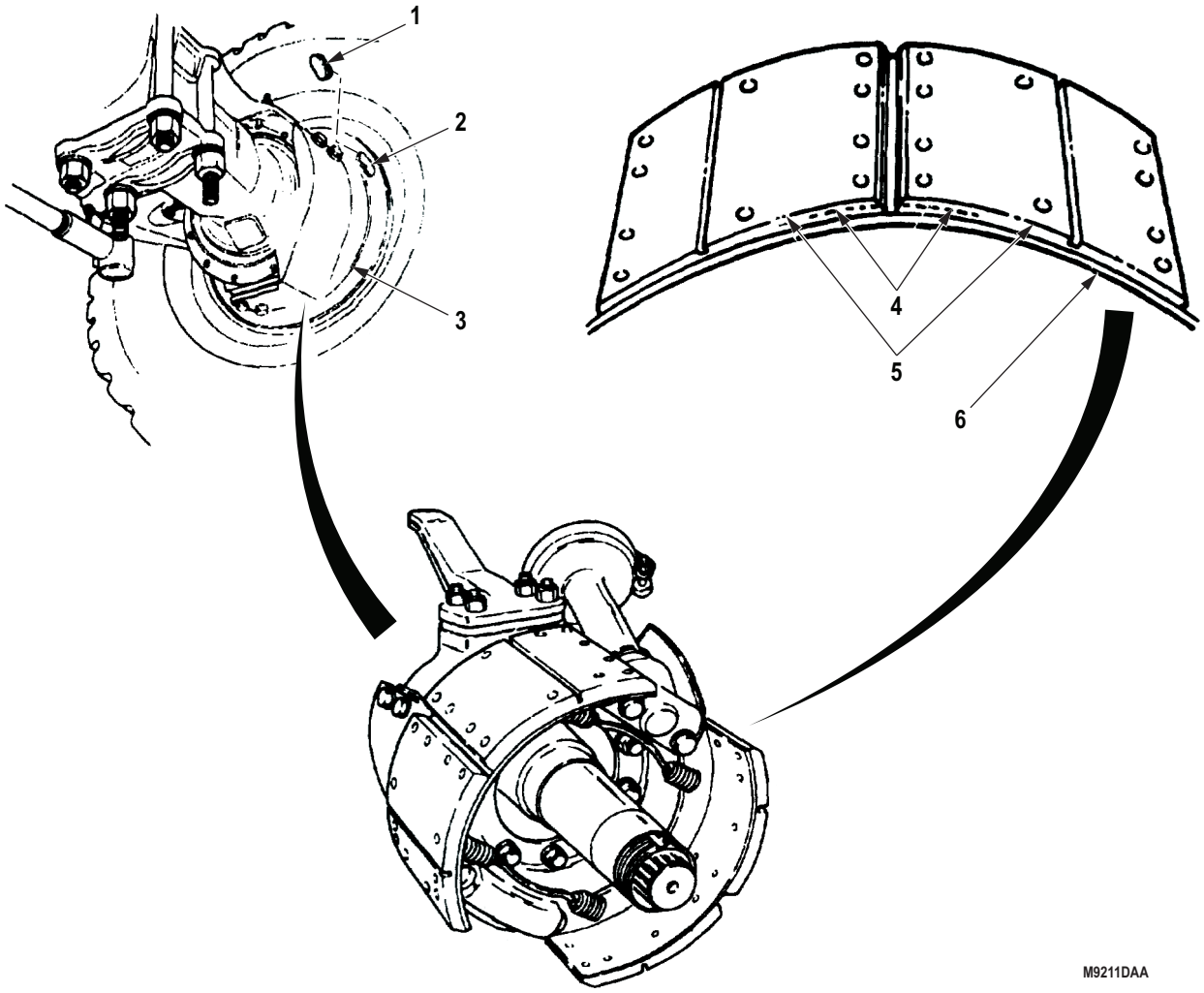

Figure 3. Brake Shoe Check.

CHECKING BRAKE SHOE AND MECHANISM WEAR - Continued

4. Inspect brake shoe linings (Figure 4, Item 1) for cracks, chips, and oil contamination. If cracked, chipped, or contaminated, replace brake shoes (Figure 4, Item 4) (WP 0426).
5. Inspect plunger seals (Figure 4, Item 6). Notify Field Maintenance if rotted or torn.
6. Inspect shoe return springs (Figure 4, Item 5) for stretching, bluing, cracks, and uneven coils. Replace return springs showing any of these defects.
7. Inspect brake chambers (Figure 4, Item 2) for cracks and bends at point where chamber enters plunger (Figure 4, Item 3). Replace chamber(s) if cracked or bent.

END OF TASK

FOLLOW-ON MAINTENANCE

1. Install front hub and drum. (WP 0479) or (WP 0481)
2. Install rear hub and drum. (WP 0480) or (WP 0482)

END OF TASK

END OF WORK PACKAGE