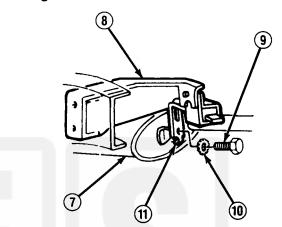
3-27. EXHAUST PIPE, MUFFLER, AND TAILPIPE REPLACEMENT (Con't).

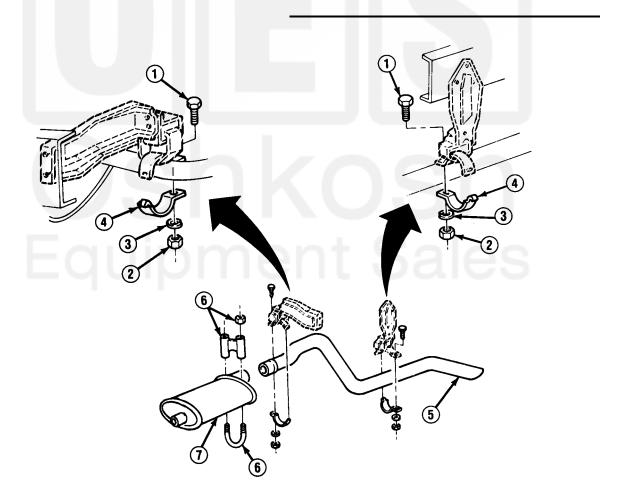
7. Install muffler (7) to exhaust pipe (17) with clamp kit (16) using 2 new lockwashers.

NOTE

Perform step 8 only if working on M1009.

- 8. If removed, install new hanger (11) to support assembly (8). Install hanger to muffler (7) with new lockwasher (10) and bolt (9).
- 9. Install tailpipe (5) to muffler (7). Install tailpipe to 2 hangers at frame with 2 clamps (4), bolts (1), new lockwashers (3), and nuts (2).
- 10. Install clamp kit (6) at rear of muffler(7) using 2 new lockwashers.





TA49825

3-28. EXHAUST MANIFOLD REPLACEMENT. This task covers: a. Removal b. Installation **INITIAL SETUP:** Equipment Condition **MaterialsIParts** •Both battery negative cables disconnected. One exhaust pipe seal (See paragraph 4-38) Three lockwashers (right side) Rear battery removed (if removing right •Four lockwashers (left side) side exhaust manifold, M1010). (See paragraph 4-39) Alternators and alternator brackets removed (if removing right side exhaust manifold, M1010). (See paragraph 4-3) Too/s/Test Equipment General Safety Instructions Torque wrench Allow exhaust system to cool before attempting to service. REMOVAL a.

WARNING

Before attempting to service any part of exhaust system, allow exhaust system to cool. Failure to follow this warning will result in serious burns.

NOTE

- •If removing right side exhaust manifold (16), perform steps 1-3.
- If removing left side exhaust manifold (6), perform steps 1 and 4 through 9.
- •Tag glow plug leads for installation.
- Disconnect glow plug leads.
- 2. Remove 3 nuts (5), lockwashers (4), and springs (3), and disconnect exhaust pipe (2) from right or left side exhaust manifold (6 or 16). Remove exhaust pipe seal (1) and discard.
- 3. Remove 8 bolts (13) and remove right side exhaust manifold (16). Remove 3 studs (15) from right side exhaust manifold as required.
- 4. At oil cooler hose bracket (11) remove 3 nuts (7), bolt (9), lockwasher (8), and insulator (10). Remove oil cooler hose bracket from left side exhaust manifold (6).
- 5. Remove nut and washer securing engine oil level indicator tube mounting bracket to stud (14).