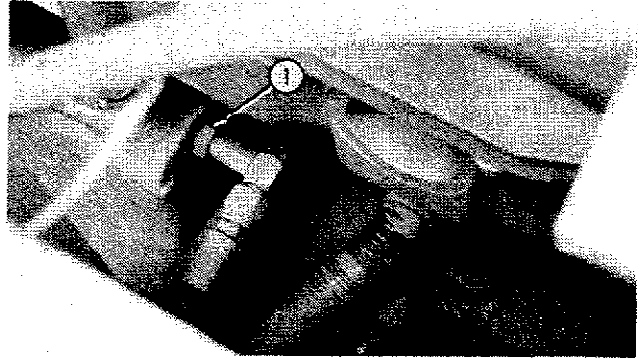


## DISCONNECT BRAKE LINE

**NOTE:** View looking down left side of engine.

**CAUTION:** Escaping hydraulic oil under pressure can have sufficient force to penetrate the skin, causing serious injury. Before disconnecting lines, be sure to relieve pressure. Before applying pressure, be sure connections are tight and lines, pipes, and hoses are not damaged. Use a piece of cardboard or wood, rather than hands, to search for leaks.

If injured by escaping oil, see a doctor at once. Serious infection or reaction can develop if proper medical treatment is not administered immediately.

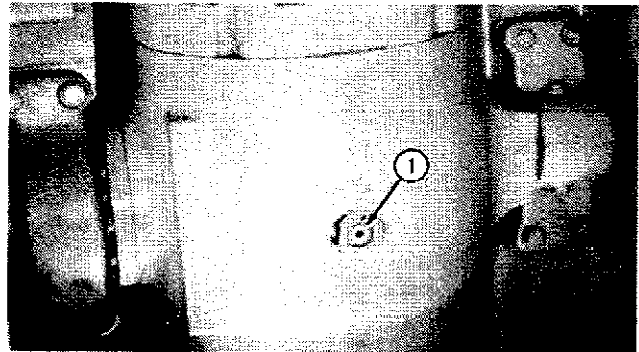


1—Brake Line

05A:T77466 T09:02027 221280

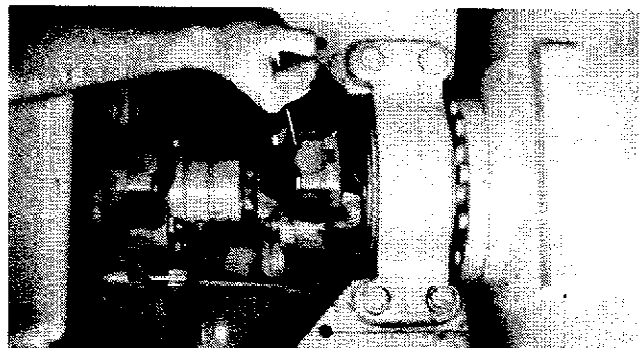
## LOWER DIFFERENTIAL AND AXLE ASSEMBLY

1. Remove drain plug (1) to drain approximately (22.5 L) 6 gal. of oil from differential.



05A:T77457 T09:02028 171290

2. Remove four cap screws to disconnect rear differential drive line.

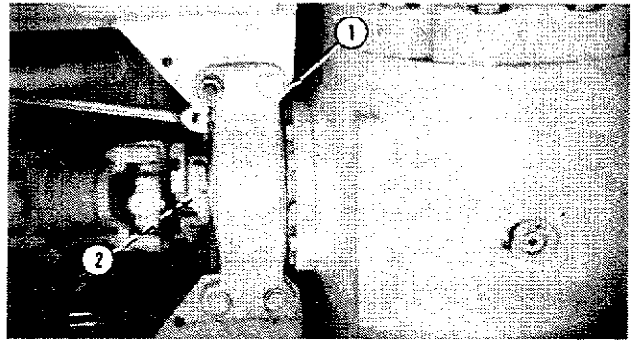


05A:T77458 T09:02023 171280

## Removal and Installation

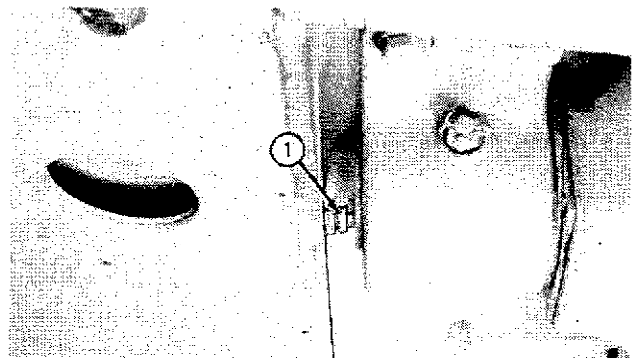
3. Remove four cap screws and nuts from front oscillating support.

4. Disconnect oscillating grease line (2) from fitting.



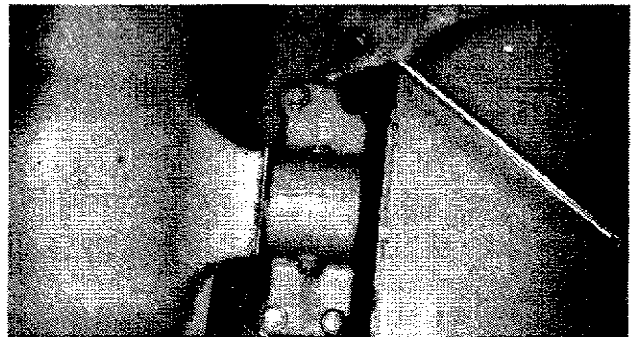
05A:T77469 T09:020030 171280

5. Disconnect oscillating pin grease line (1).



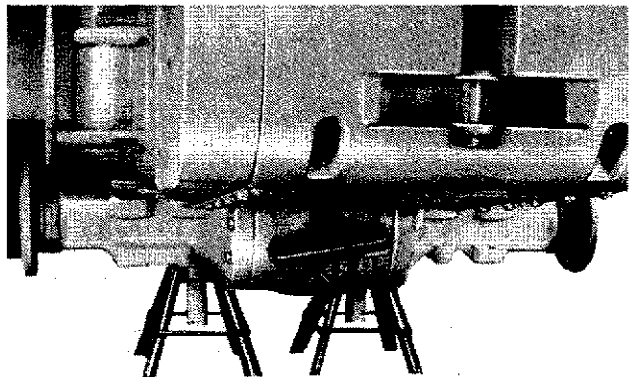
05A:T77470 T09:020031 171260

6. Remove four cap screws and nuts from rear support.



05A:T77472 T09:020032 172280

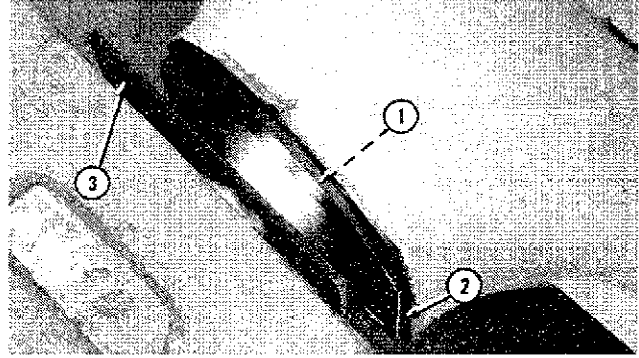
7. Lower axle and differential as an assembly.



05A:T77473 T30:020033 171280

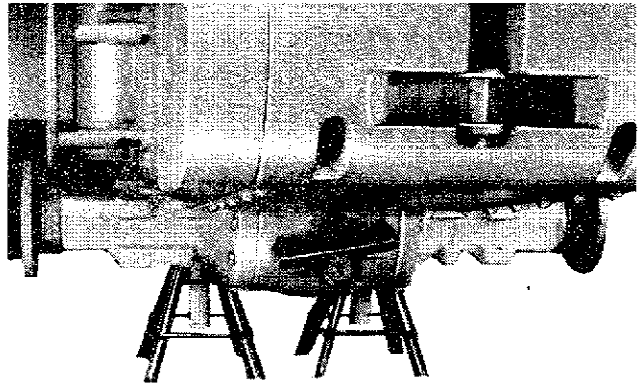
### INSTALL DIFFERENTIAL AND AXLE ASSEMBLY

1. Before installing differential assembly, remove O-ring (1).
2. Install rear support assembly with front thrust plate (2) on dowel pin. Install rear thrust plate (3) with straight edge of plate up. Grease grooves in thrust plates must face each other. DO NOT install any shims.



06A:T77474 T09:020094 090682

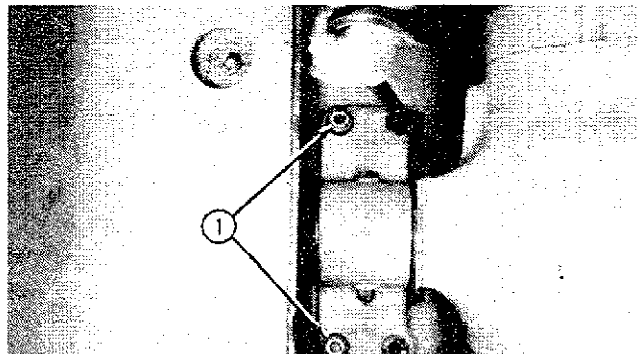
3. Lift axle and differential assembly in engine frame.



06A:T77473 T09:020035 171280

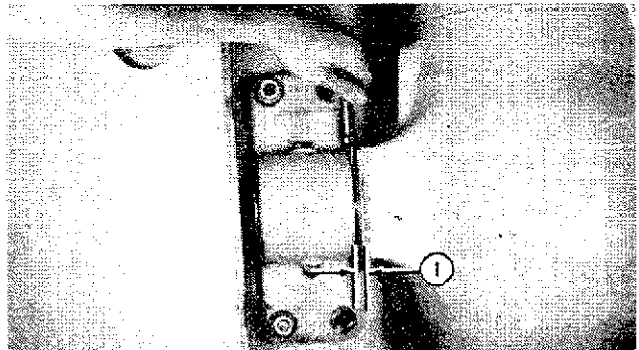
### ADJUST DIFFERENTIAL AND AXLE ASSEMBLY

1. Install and tighten only two cap screws and nuts (1) in both front and rear support.
2. With a pry bar, move the differential and axle assembly as far forward as possible.



06A:T77475 T09:020036 221280

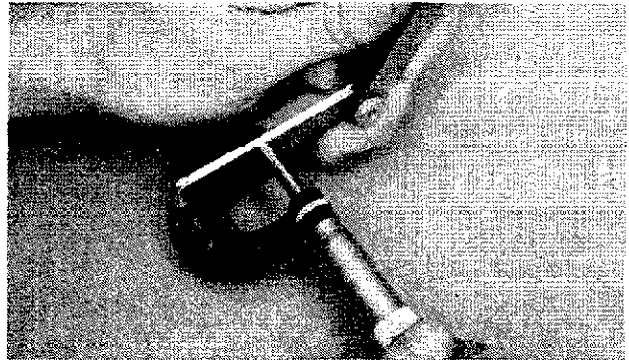
3. With a feeler gauge, measure the clearance (1) between the rear thrust plate and support.



06A:T77394 T09:020037 171280

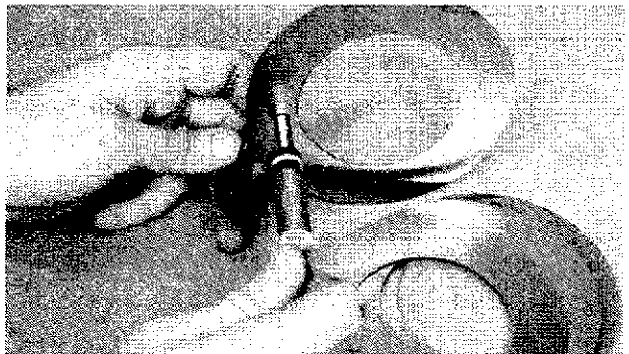
## Removal and Installation

4. Measure the thickness of feeler gauge blades.



06A:T77476 T09:020038 171280

5. Measure each shim separately to equal a shim pack thickness which will give an end play clearance of (0.03 to 0.46 mm) 0.001 to 0.018 in.

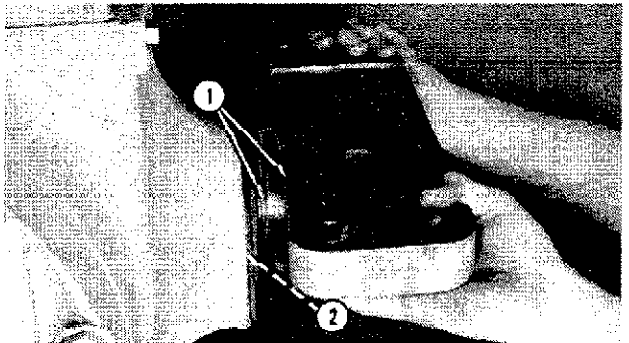


06A:T77477 T09:020039 030682

6. Lower differential and axle assembly and remove support.

7. Install O-ring (2) and shim pack (1). Install shims between rear thrust plate and support.

8. Install support.



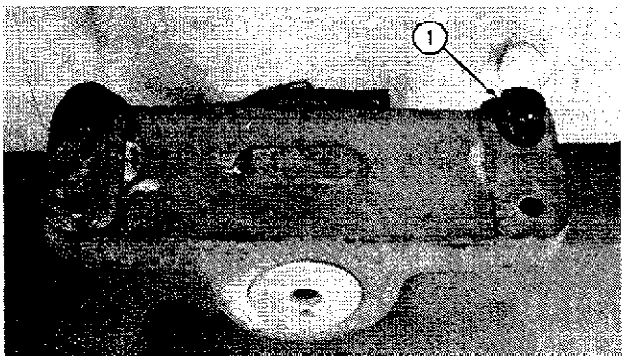
06A:T77478 T09:020040 171280

### FASTEN FRONT AND REAR SUPPORT

1. Install dowels (1) in rear support.

2. Put T43515 John Deere Loctite® retaining compound or an equivalent on mounting surface of support.

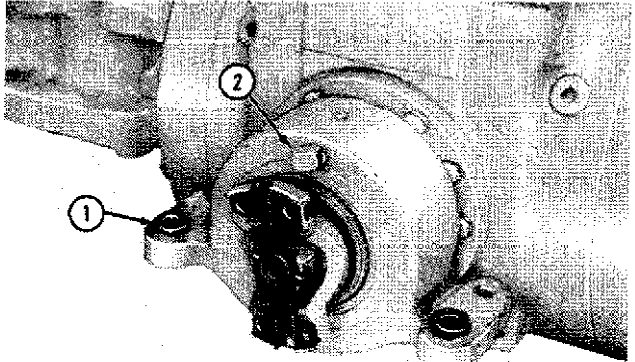
*Loctite is a trademark of the Loctite Corp.*



06A:T77479 T09:020041 221280

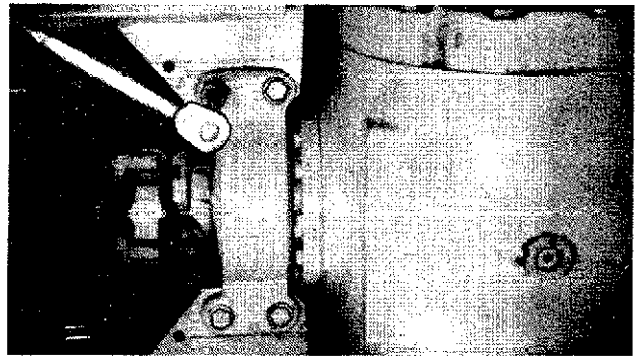
## Removal and Installation

3. Install dowels (1) in front support.
4. Make sure fitting (2) is positioned as shown.
5. Put T43515 John Deere Loctite retaining compound or an equivalent on mounting surface of support.



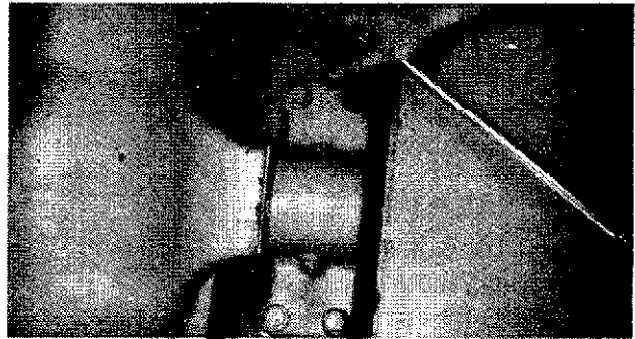
06A;177480 T09;020042 Z21280

6. Lift differential and axle assembly under engine frame. Install cap screws, washers and nuts to fasten front support. Tighten 5/8 in. cap screws to (325 N·m) 240 lb-ft. Tighten 20 mm cap screws to (680 ± 68 N·m) 500 ± 50 lb-ft.



06A;T77481 T09;020043 030682

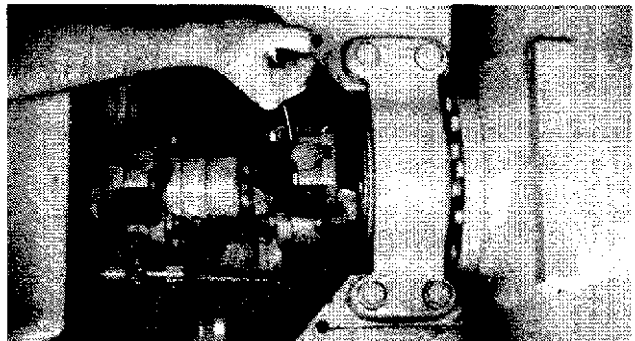
7. Install cap screws, washers and nuts to fasten rear support. Tighten 5/8 in. cap screws to (325 N·m) 240 lb-ft. Tighten 20 mm cap screws to (680 ± 68 N·m) 500 ± 50 lb-ft.



06A;T77472 T09;020044 030682

### CONNECT DIFFERENTIAL DRIVE LINE AND OSCILLATING GREASE LINES

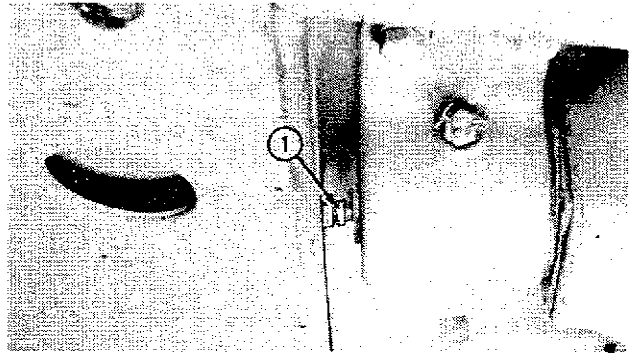
1. Connect rear differential drive line and fasten with cap screws. Tighten cap screws to (130 ± 7 N·m) 95 ± 5 lb-ft.



06A;T77468 T09;020045 171280

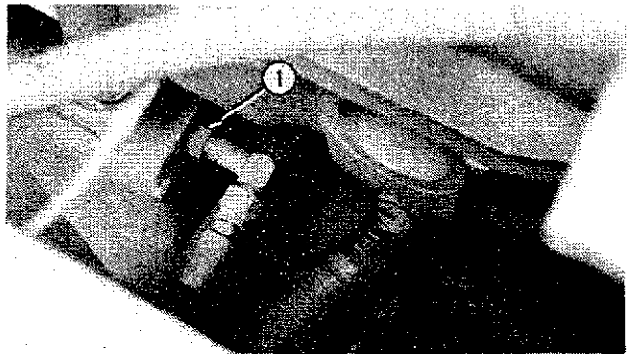
## Removal and Installation

2. Connect the oscillating grease lines (1) on both front and rear supports.



06A:17747G T09:020046 171280

### CONNECT BRAKE LINE

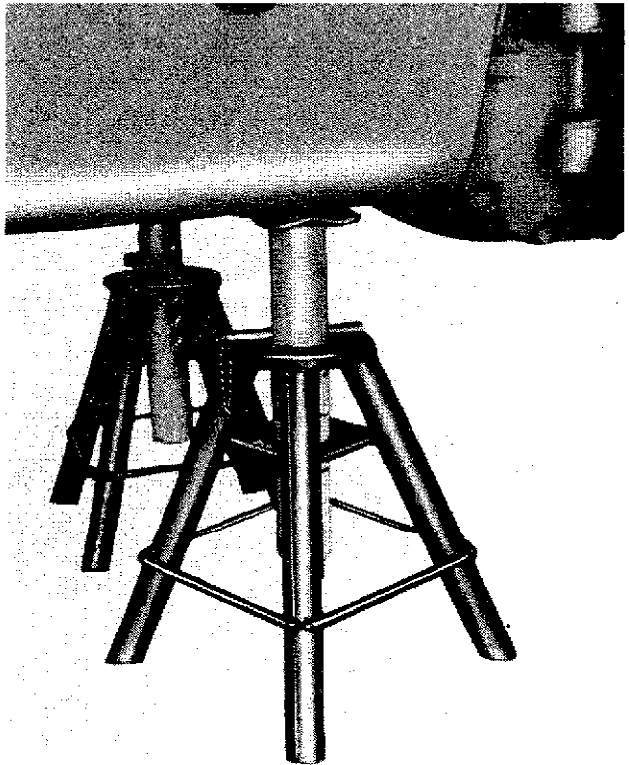


1—Brake Line

06A:17746E T09:020047 171280

### REMOVE SHOP STANDS

1. Install wheels (Group 0110). Remove lifting straps.
2. Lift the rear of unit to remove shop stands.



06A:17745E T09:020048 171280



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