

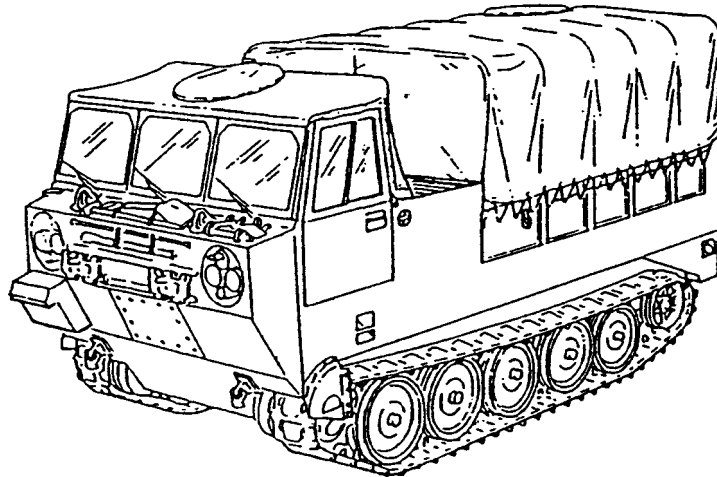
TECHNICAL MANUAL

UNIT MAINTENANCE MANUAL

FOR

**CARRIER, CARGO TRACKED, 6-TON M548A1
2350-01-096-9356 (EIC AEU)**

**M548A3
2350-01-369-6081 (EIC AE9)**



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HEADQUARTERS, DEPARTMENT OF THE ARMY

30 June 2001

HEADQUARTERS
DEPARTMENT OF THE ARMY
WASHINGTON, D.C., 30 June 2001

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CHAPTER 17

UNIT MAINTENANCE INSTRUCTIONS
FOR SHOCK ABSORBERS

WORK PACKAGE INDEX

<u>Title</u>	<u>Sequence No.</u>
REPLACE SHOCK ABSORBER.....	0379 00
REPLACE SHOCK ABSORBER PIN.....	0380 00
REPLACE SHOCK ABSORBER MOUNT.....	0381 00

REPLACE SHOCK ABSORBER**0379 00****THIS WORK PACKAGE COVERS:**

Removal (page 0379 00-1).
 Installation (page 0379 00-3).

INITIAL SETUP:Maintenance Level

Unit

Personnel Required

Unit Mechanic

Tools and Special Tools

General Mechanic's Tool Kit (WP 0541 00, Item 57)
 Shock Absorber Tool (WP 0541 00, Item 58)
 Torque Wrench (WP 0541 00, Item 68)

References

See your -10

Materials/Parts

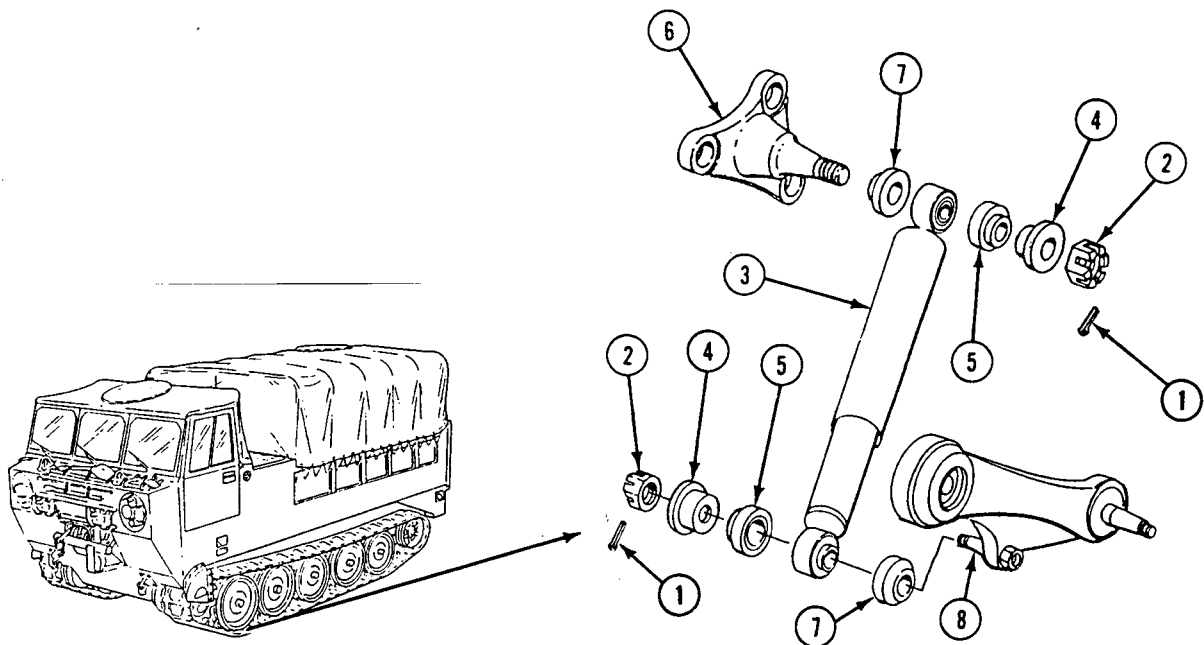
Cotter pin (2)
 Inner seal (2)
 Outer seal (2)

Equipment Condition

Carrier on level surface
 Engine stopped (see your -10)
 Carrier blocked (see your -10)
 Respective road wheel removed (WP 0361 00)

REMOVAL

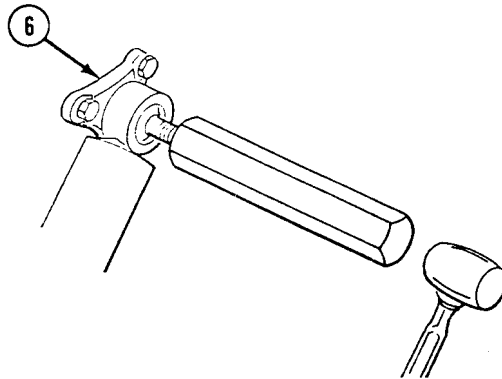
1. Remove two cotter pins (1) and nuts (2) securing shock absorber (3) to hull mount and road arm. Discard cotter pins.
2. Remove two shoulder washers (4) and outer seals (5) from both ends of shock absorber (3). Discard outer seals.



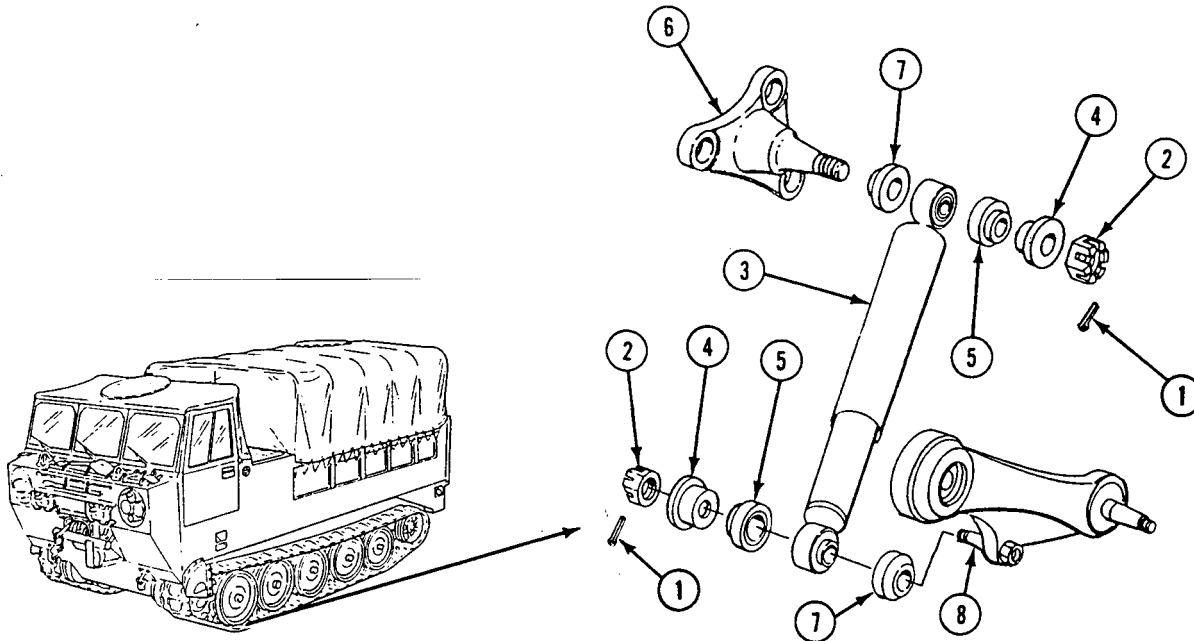
REPLACE SHOCK ABSORBER — Continued

0379 00

3. Position shock remover on hull bracket (6). Hit remover with heavy hammer to loosen upper end of shock absorber (3). Remove shock remover. Remove shock absorber and inner seal (7) from hull bracket. Discard seal.



4. Position shock remover on support arm pin (8). Hit shock remover with heavy hammer to loosen lower end of shock absorber (3). Remove shock absorber and inner seal (7) from support arm pin. Discard seal.



INSTALLATION

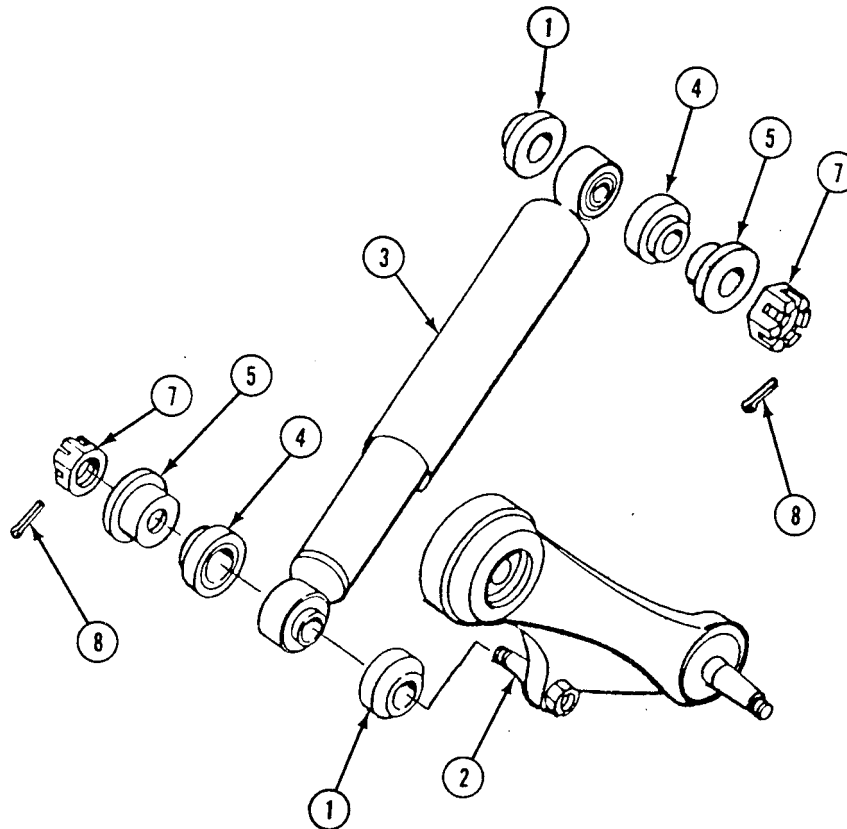
1. Install new inner seal (1) on support arm pin (2).

NOTE

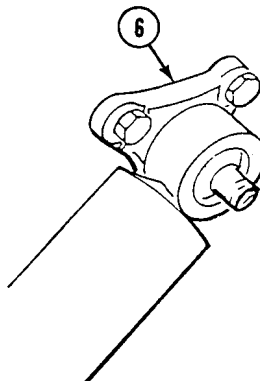
Exercise new shock absorber to the fully extended position and move shock absorber back and forth several times until resistance can be felt throughout the entire length of the stroke.

Make sure shock absorber is installed with large end of bearing installed first.

2. Install shock absorber (3), new outer seal (4), and shoulder washer (5) on support arm pin (2).

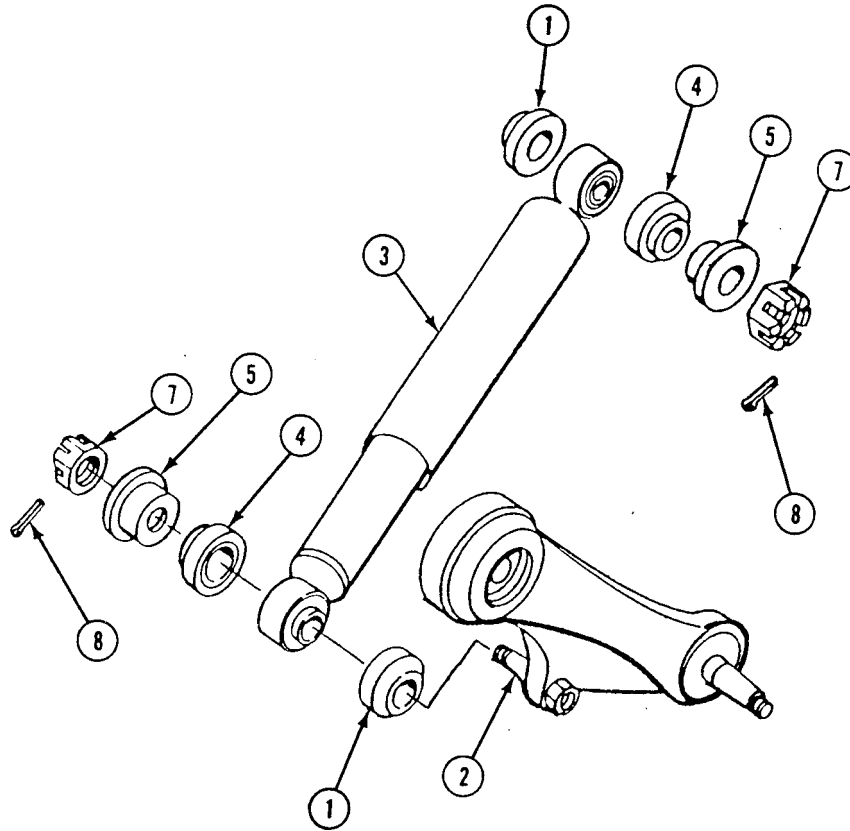


3. Install new inner seal (1), shock absorber (3), new outer seal (4), and shoulder washer (5) on hull bracket (6).



REPLACE SHOCK ABSORBER — Continued**0379 00**

4. Secure shock absorber (3) with two nuts (7).
5. Tighten two nuts (7) to 60-80 lb-ft (8-11 N•m) torque. Secure with two new cotter pins (8).

**FOLLOW-THROUGH STEPS**

1. Install road wheel (WP 0361 00).
2. Road test carrier (WP 0128 00) to check that shock absorber is installed properly.

END OF TASK

REPLACE SHOCK ABSORBER PIN

0380 00**THIS WORK PACKAGE COVERS:**

Removal (page 0380 00-1).
Installation (page 0380 00-2).

INITIAL SETUP:Maintenance Level

Unit

References

See your -10

Tools and Special Tools

General Mechanic's Tool Kit (WP 0541 00, Item 57)
Socket Wrench Set (WP 0541 00, Item 65)
Torque Wrench (WP 0541 00, Item 72)

Equipment Condition

Carrier on level surface
Engine stopped (see your -10)
Carrier blocked (see your -10)
Respective road wheel removed (WP 0361 00)
Respective road wheel support arm removed
(WP 0351 00)

Materials/Parts

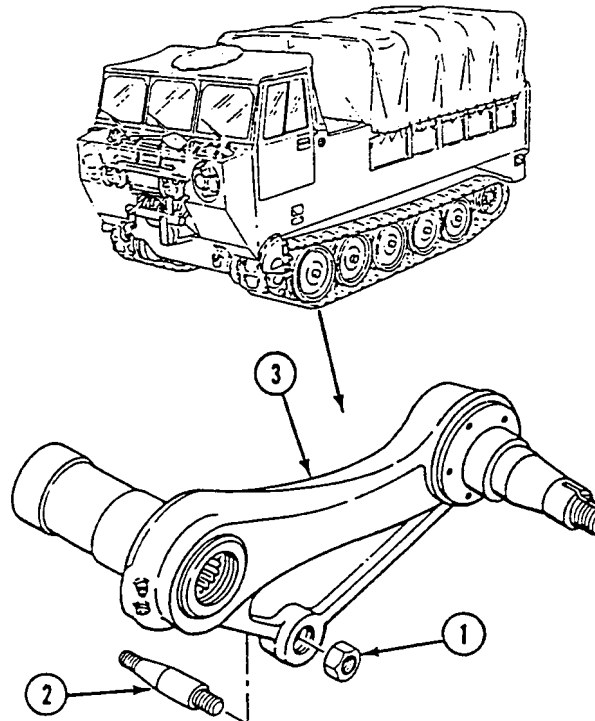
Lock nut
Wood blocks

Personnel Required

Unit Mechanic

REMOVAL

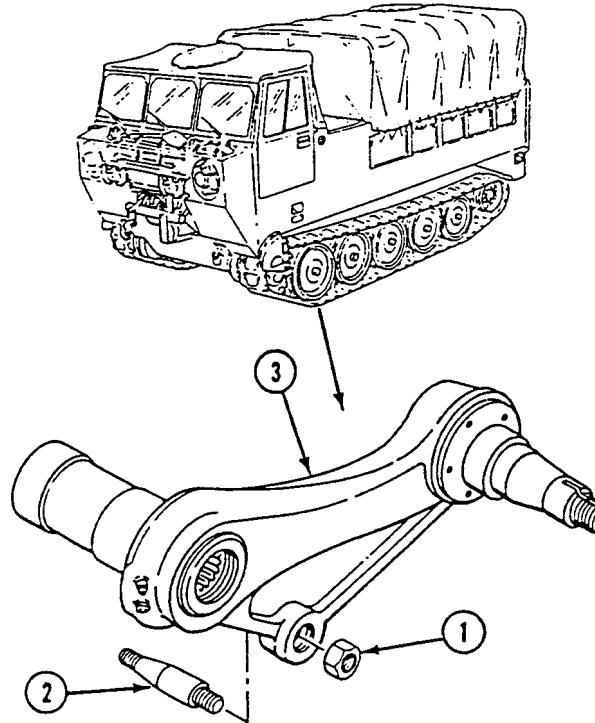
1. Remove lock nut (1) from shock absorber pin (2). Discard lock nut.
2. Place road wheel support arm (3) on wood blocks. Drive out shock absorber pin (2) with a wood block and hammer.



REPLACE SHOCK ABSORBER PIN — Continued

0380 00**INSTALLATION**

1. Install shock absorber pin (2) in road wheel support arm (3). Secure with new lock nut (1). Tighten lock nut to 210-230 lb-ft (283-310 N•m).

**FOLLOW-THROUGH STEPS**

1. Install road wheel support arm (WP 0351 00).
2. Install road wheel (WP 0361 00).
3. Road test carrier (WP 0128 00) to check that shock absorber pin is installed properly.

END OF TASK