
WAR DEPARTMENT MODIFICATION WORK ORDER

War Department, Washington 25, D. C., 14 July 1944

1. Major item affected:

| Name | SNL | TM |
|--|-------|-------|
| CAR, armored, light, M8 (See Paragraph 8) | G-136 | 9-743 |

2. Part affected:

| Name | Drg No. | SNL |
|--------------------------------|---------|-------|
| HOUSING, transmission oil pump | | G-136 |

3. Purpose of modification: To provide greater oil inlet capacity to transmission oil pump.

4. Drawings required to apply modification: See figure 1.

5. Parts affected by modification:

- New parts required: None
- Discarded parts: None
- Supply of parts required: None
- Weight and cubage: None

6. Special tools, jigs and fixtures: None

7. Special instructions:

- Applied by: Automotive mechanic
- Time required: 1 man-hour
- Procedure of operation:

(1) Drain lubricant from transmission.

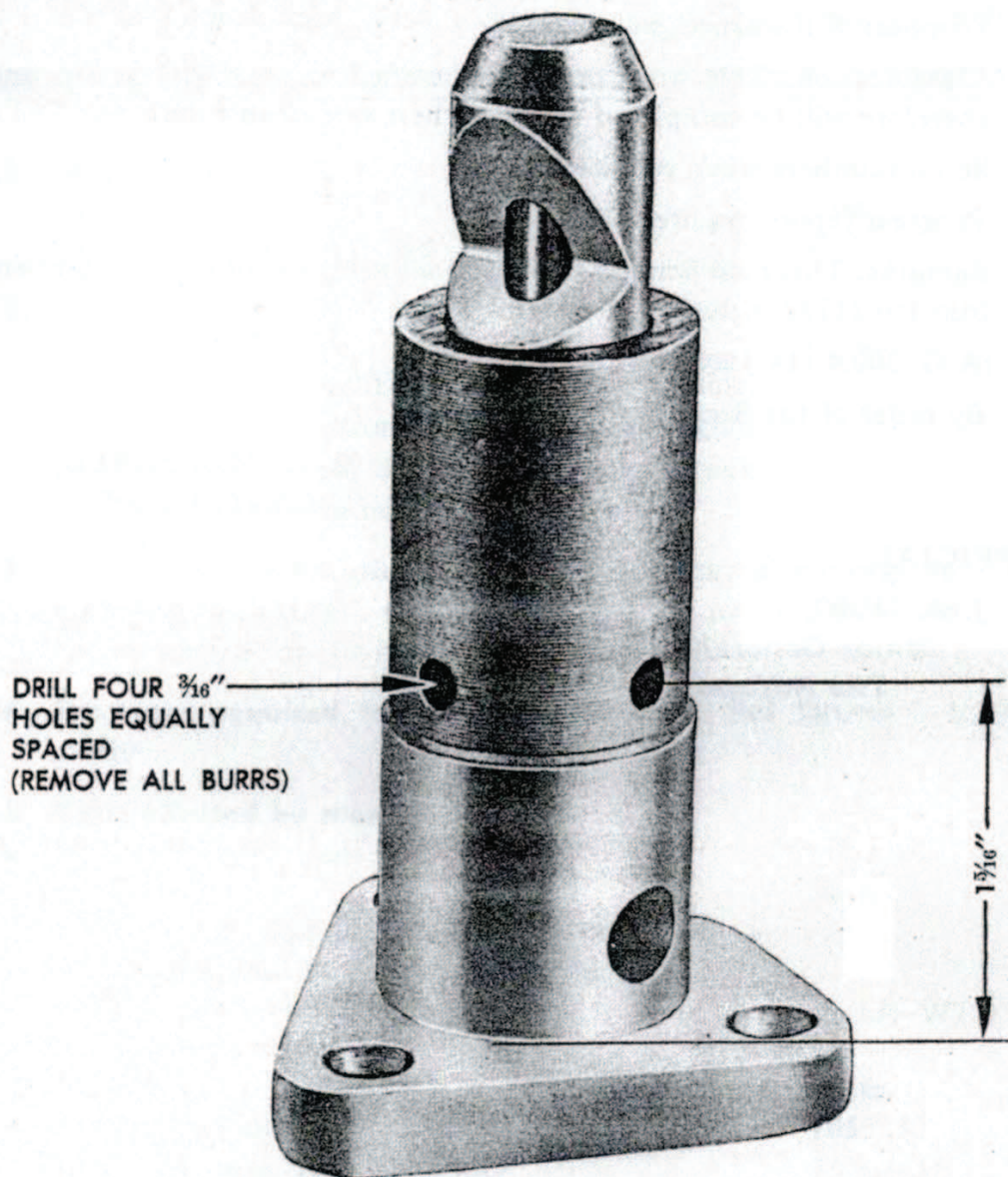
(2) Remove three cap screws that retain transmission oil pump in bottom of transmission case and remove the pump from the transmission case.

(3) Disassemble pump and drill four $\frac{3}{16}$ -inch holes in sides of pump housing at equally spaced intervals, at a distance of $1\frac{5}{16}$ -inches above the inside edge of the flange of the pump housing (fig. 1).

(4) Clean housing thoroughly, remove burrs and reassemble pump making sure that piston moves freely in the housing.

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(Par. 7c—Cont'd)



RA PD 337005

FIGURE 1—OIL PUMP HOUSING

- (5) Reinstall pump in transmission case with original mounting cap screws.
 - (6) Fill transmission to proper level with approved lubricant.
- d. Arsenal or Field operation: Either
- e. Comments with reference to published FSMWO's or MWO's: None

CAR, ARMORED, LIGHT, M8

(Par. 7—*Cont'd*)

- f. Disposal of discarded parts: None
- g. Classification: This work order is classified in the RED group and therefore will be completed at the earliest practicable date.
- h. Serial numbers when required: None
- i. Progress report required: No
- 8. **Remarks:** This modification applies to all vehicles with serial numbers from 1 to 11172 inclusive.

[A.G. 300.4 (14 July 44)]

By order of the Secretary of War:

G. C. MARSHALL,
Chief of Staff.

OFFICIAL:

J. A. ULIO,
*Major General,
The Adjutant General.*