# TM 9-2320-213-34P

**DEPARTMENT OF THE ARMY TECHNICAL MANUAL**

FIELD MAINTENANCE REPAIR PARTS
AND
SPECIAL TOOL LIST
FOR

TRUCK, PLATFORM UTILITY:
1/2-TON, 4 x 4,
M274 (2320-049-4804)
AND
M274A1 (2320-064-6373)



*HEADQUARTERS, DEPARTMENT OF THE ARMY*

*OCTOBER 1963*

TECHNICAL MANUAL
No. 9-2320-213-34P

HEADQUARTERS
DEPARTMENT OF THE ARMY
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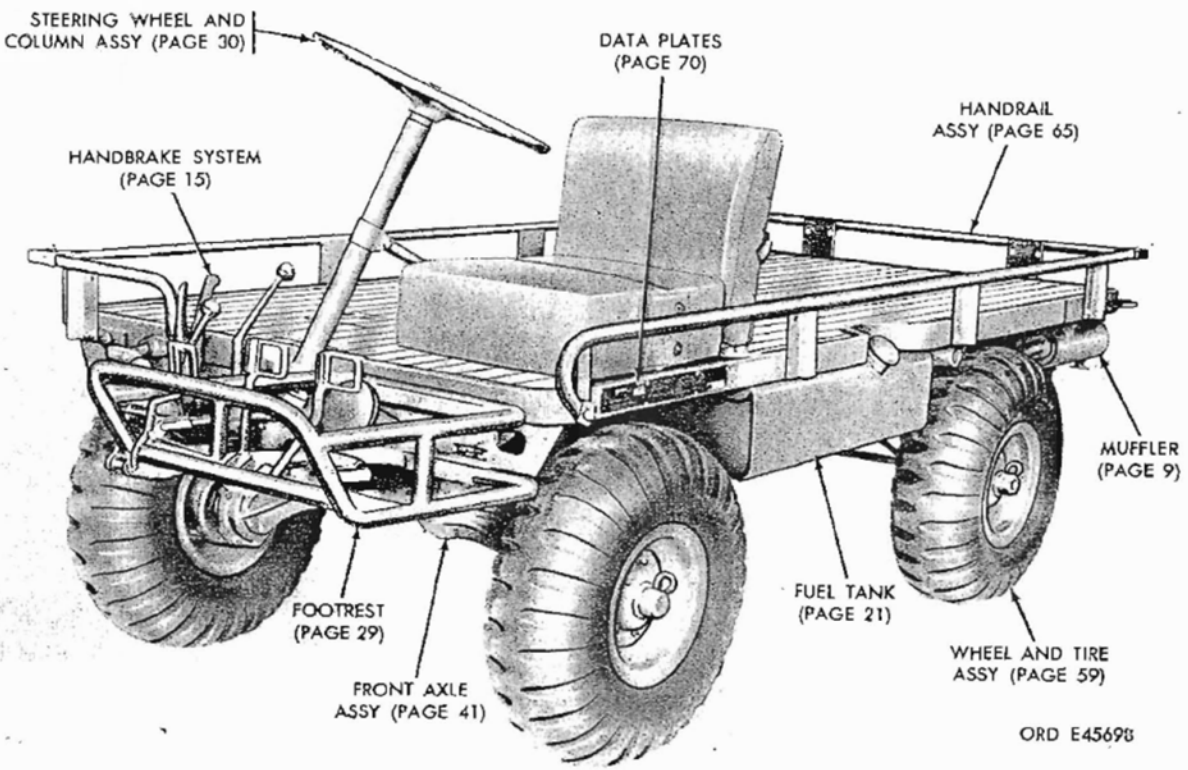
# FIELD MAINTENANCE REPAIR PARTS AND SPECIAL TOOL LIST FOR TRUCK, PLATFORM UTILITY: 1/2-TON, 4 x 4, M274 (2320-049-4804) AND M274A1 (2320-064-6373)


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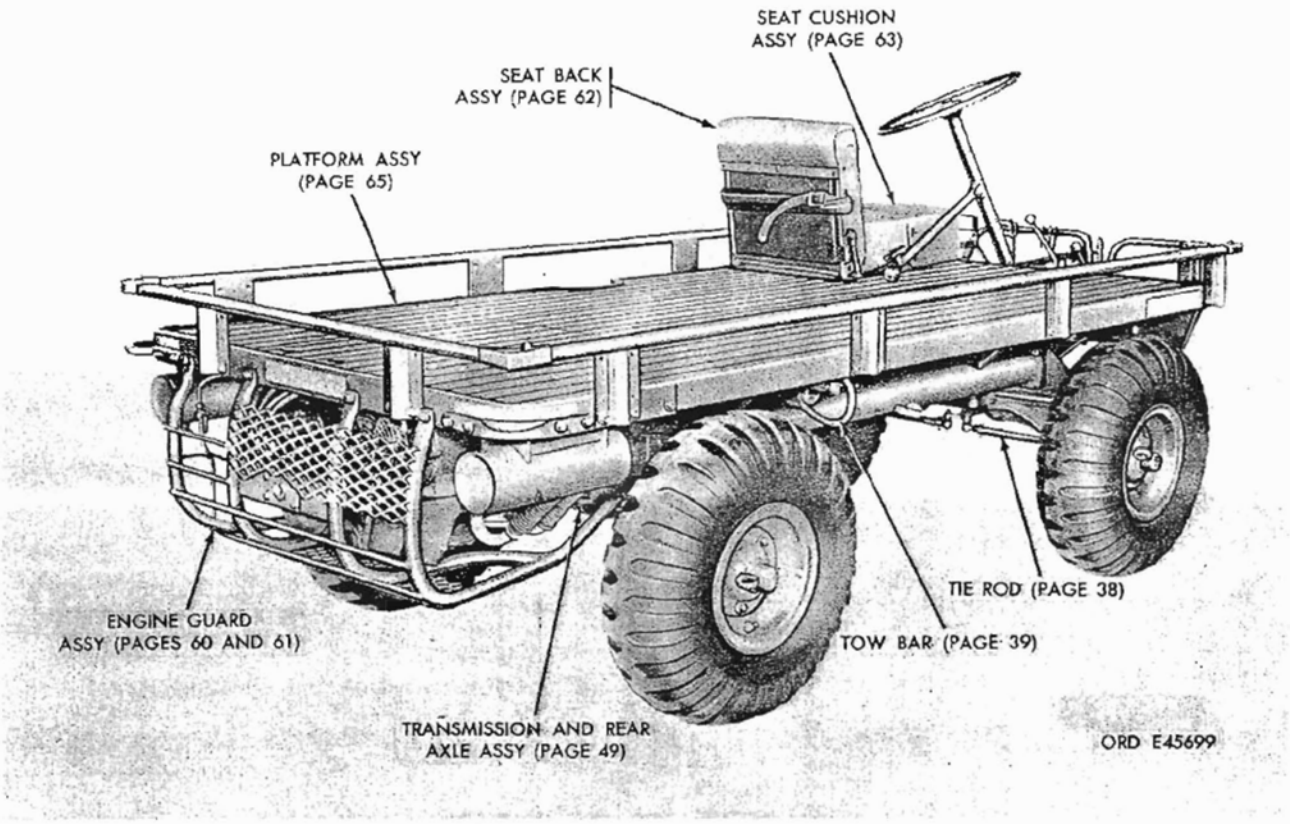

*This manual supersedes TM 9-2320-213-35P, 2 September 1958, including C1, 16 March 1959; TM 9-2520-224-35P, 25 August 1958, including C1, 26 November 1958; and TM 9-2530-200-35P, 12 June 1958.

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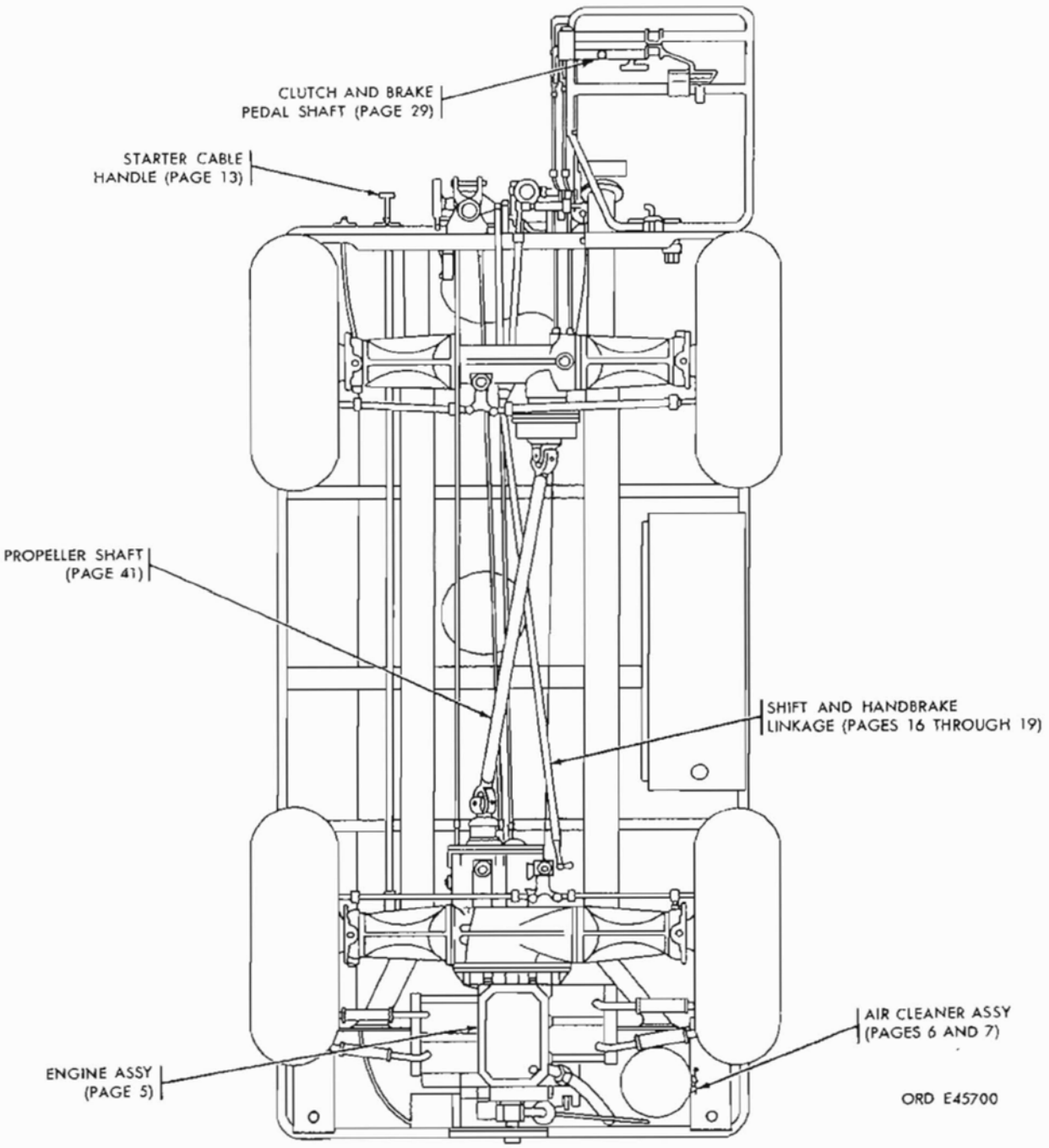
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Platform Utility Truck – Visual Table of Contents (1 of 3).




Platform Utility Truck — Visual Table of Contents (2 of 3).




Platform Utility Truck — Visual Table of Contents (3 of 3).

## 1. GENERAL.

a. This manual is an illustrated list of repair parts and special tools authorized for field maintenance (General and Direct Support) for 1/2-ton, 4 x 4, Platform Utility Truck, Models M274 and M274A1.

b. The non-supply items are not stocked for issue and are contained herein for identification only. They are not allocated in the maintenance columns.

c. For prices of Ordnance items listed herein, see the appropriate supply manual of the SM 9-2 series, Stock List of All Items Price List. Prices of items that are the responsibility of materiel agencies other than Ordnance may be obtained from the appropriate type 2 supply manuals for those agencies.

d. Additional applications of items in this manual are listed in the supply manuals of the SM 9-3 series, Stock List of Repair Parts.

## 2. ILLUSTRATION AND TEXT RELATIONSHIP.

a. Illustrated supply items are keyed by numbers to their text listing. In all cases, the illustration and its listing will be on the same or the facing page.

b. Non-illustrated supply items, if any, are listed under the text of the illustrated assembly to which they are most closely related.

c. Non-supply items are not listed in the text but will be identified by name and part number in a legend on the illustration and the identifying key number will be encircled to indicate non-supply status.

## 3. REQUISITION NOTES.

a. If the exact item requisitioned is not furnished, or if other action is necessary, the exact nature of the action taken by the supplying agency will be indicated by standard symbols on prescribed forms.

b. When requisitioning an item, the requesting agency will order the listed item. However, the supplying agencies will take necessary action to issue the exhaust stock item until stock is exhausted, whether it is an individual item, kit, set, or assembly.

## 4. EXPLANATION OF COLUMNS.

a. Illustrations. This column indicates the figure number of the illustration that depicts the item. When more than one item appears on the illustration, the item number is also indicated.

b. Source, Maintenance, and Recoverability Code. This column lists a code that indicates the selection status and source of supply of the repair part, the lowest echelon authorized to install or manufacture the repair part, and the recoverability and expendability aspects of the repair part. An example of this code is P-O-R. The "P" indicates that the item is a mission stockage list repair part procured and stocked on a national program basis, the "O" indicates the repair part is authorized to organizational echelons, and the "R" indicates that the repair part is an expendable, recoverable item. When repair parts supply responsibility has been assigned to a materiel agency other than Ordnance, the basic number of the supplying materiel agency is listed in column 2a, for example, "11" for Signal materiel. Refer to paragraph 10a for an explanation of all materiel codes appearing in this manual.

c. Federal Stock Number. This column lists the federal stock number assigned by the Cataloging Division, Armed Forces Supply Support Center.

d. Description. The Federal item name (shown in capital letters) and any additional description required for supply operations are listed in this column. All dimensions listed are in inches unless otherwise specified. For further identification, the materiel agency or manufacturer's part number is parenthetically listed at the end of each nomenclature.

e. Unit of Issue. The Unit of Issue column lists the actual unit of issue for each item (ea, lg, ft, etc.).

f. Quantity Incorporated in Unit. The quantity shown in this column indicates the number of the listed item required for the particular use indicated. This quantity does not reflect the total quantity of the part required for the vehicle since the part may have other functional uses.

g. 15-Day Field Maintenance Allowance Per 100 Major Items. No quantities are listed in these columns. Refer to TM 9-

2300-223-34P for allowance factors for items to be stocked. If an item appears herein and is not listed in TM 9-2300-223-34P, it can be requisitioned for immediate use or stockage in accordance with AR 711-16.

## 5. HOW TO FIND PARTS.

Parts may be located if one of the following identifying factors are known. All references list the page numbers on which the assembly or part may be found.

a. Major Component, Assembly, or Location. Refer to Visual Table of Contents on pages iv through vi.

b. Function, Use, or Location. Refer to the Table of Contents which lists the titles of all illustrations and non-illustrated items. The non-illustrated items, if any, are listed with closely related illustrated assemblies or components.

c. Nomenclature (basic noun name). Refer to the Alphabetical Index on page 74.

d. Federal Stock Number. Refer to the Federal Stock Number Index on page 78.

e. Materiel Agency or Manufacturer's Part Number. Refer to the Materiel Agency and Manufacturer's Part Number Index on page 84.

## 6. ATTACHING PARTS.

In some cases, non-illustrated, attaching and/or closely related items are listed indented directly beneath the items to which they pertain.

## 7. PERTINENT PUBLICATIONS.

The following publications pertain to this vehicle and its components.

| PUBLICATION NO. | TITLE |
|---|---|
| LO 9-2320-213-12 | Lubrication Order for 1/2-ton, 4 x 4, Platform Utility Truck, M274 and M274A1. |
| TM 9-8034-20 | Organizational Maintenance for 1/2-ton, 4 x 4, Platform Utility Truck, M274. |
| TM 9-2320-213-20P | Organizational Maintenance Repair Parts and Special Tools List for 1/2-ton, 4 x 4, Platform Utility Truck, M274 and M274A1. |
| TM 9-2320-213-10 | Operator's Manual for 1/2-ton, 4 x 4, Platform Utility Truck, M274 and M274A1. |
| TM 9-2320-213-34 | Field Maintenance for 1/2-ton, 4 x 4, Platform Utility Truck, M274 and M274A1. |

## 8. SPECIAL INFORMATION.

Throughout this manual, in order to eliminate repetitious descriptions of parts, an indention style has been incorporated. Whenever a particular part has a description that is common for both the Model M274 and M274A1 vehicles, but may have a different part number, the models and their respective part numbers will be indented immediately below the description of the item.

## 9. ABBREVIATIONS AND SYMBOLS.

a. Abbreviations.

| | |
|---|---|
| adj | adjust, adjustable, adjusting |
| alw | allowance |
| assy | assembly(ies) |
| AWG | American Wire Gage |
| cross-recess-fl-hd | cross-recess flat head |
| cross-recess-hd | cross-recess head |
| cross-recess-pan-hd | cross-recess pan head |
| dia | diameter |
| dir | direct |
| ea | each |
| ech | echelon |
| e.g. | for example |
| equip. | equipment |
| etc. | and so forth |
| ext-teeth | external teeth |
| exter | external |
| F | Fahrenheit |
| fig. | figure |
| fil-hd | fillister head |
| fl | flat |
| fl-hd | flat head |
| FM | field manual |
| FSN | Federal Stock Number |
| ft | feet(foot) |
| gen | general |
| hd | head |
| hex-hd | hexagon head |
| id | inside diameter |
| i.e. | that is |
| illust | illustration |
| in. | inch |
| inc | incorporated |
| int-teeth | internal teeth |
| lg | long |
| LO | lubrication order |
| maint | maintenance |

MIL — military
mfg — manufacturing
NC — American National Coarse Thread
NCS — National Coarse Standard
no. — number(s)
nom — nominal
NPT — American Standard Taper Pipe Thread
NPTF — American Standard Taper Pipe Thread(Dryseal)
od — outside diameter
ORD — Ordnance
oval-hd — oval head
pan-hd — pan head
pltd — plated
psi — pounds per square inch
qty — quantity
S — steel
sltd-hd — slotted head
SM — supply manual
spec — specification
sq-hd — square head
thd — thread(ed)(s)
thk — thick
TM — technical manual
TOE — Table of Organization and Equipment
UN — Unified National
UNC — Unified National Coarse
UNF — Unified National Fine
w/ — with
wd — wide(width)
x — by (as in 2 x 4)
zn — zinc
zn-pltd — zinc plated

b. Miscellaneous Symbols.

‡ As required.

✡ Indicates items available as part of SET or KIT shown, or separately.

IUE Indicates the item is issued until exhausted.

## 10. EXPLANATION OF CODES.

a. Materiel Agency Codes.

| | |
|---|---|
| 5 | Engineer Materiel |
| 10 | Quartermaster Materiel |
| 11 | Signal Materiel |
| 55 | Transportation Materiel |

b. Source Code.

P Applies to repair parts which are high mortality parts, procured by materiel agencies, stocked in and supplied from the materiel agency depot system, and authorized for use at indicated maintenance echelons.

X2 Applies to repair parts which are not stocked. The indicated echelon requiring such repair parts will attempt to obtain from salvage; if not obtainable from salvage, such repair parts will be requisitioned with supporting justification through normal supply channels.

C Applies to repair parts authorized for local procurement. If not obtainable for local procurement, such repair parts will be requisitioned through normal supply channels with a supporting statement of nonavailability from local procurement.

M Applies to repair parts which are not procured or stocked but are to be manufactured by using units at indicated echelons.

c. Maintenance Code.

O Organizational Maintenance (2nd echelon)

F Field Maintenance (3rd echelon)

H Field Maintenance (4th echelon)

d. Recoverability Code.

R Indicates an item or assembly that is expendable and recoverable and is economically repairable and is furnished by supply on an exchange basis.

S Indicates an item is expendable and recoverable and which may be placed in "ready for issue" condition by one or more of the refinishing, cleaning, replating, anodizing, adjusting, welding, etc., processes.

## 11. MANUFACTURER'S SYMBOLS.

| Symbol | Manufacturer |
|---|---|
| 06848 | Bendix Products Aerospace Div. |
| 15434 | Cummins Engine Co., Inc. |
| 24617 | General Motors Corp. |
| 65909 | Willys Motors, Inc. (Kaiser Jeep Corp.) |
| 78940 | United Air Cleaner Div. |
| 77640 | Ross Gear and Tool Co. |
| 79470 | The Weatherhead Co. |
| 80244 | General Services Administration |

| Symbol | Manufacturer |
|---|---|
| 81336 | Corps of Engineers |
| 88044 | Aeronautical Standards Group, Departments of Navy and Air Force |
| 94537 | Kaiser Manufacturing Corp. |
| 96906 | Military Standard |

## 12. SUGGESTIONS AND RECOMMENDATIONS.

The direct reporting of errors, omissions, and recommendations for improving this equipment manual by the individual user, is authorized and encouraged. DA Form 2028 will be used for reporting these improvements. This form may be completed using pencil, pen, or typewriter. DA Form 2028 will be completed in triplicate and forwarded by the individual using this manual. The original and one copy will be forwarded direct to: Commanding General, U.S. Army Tank-Automotive Center, ATTN: SMOTA-FM, Warren, Michigan, 48090. One information copy will be provided to the individual's immediate supervisor (e.g., officer: noncommissioned officer, supervisor, etc.).

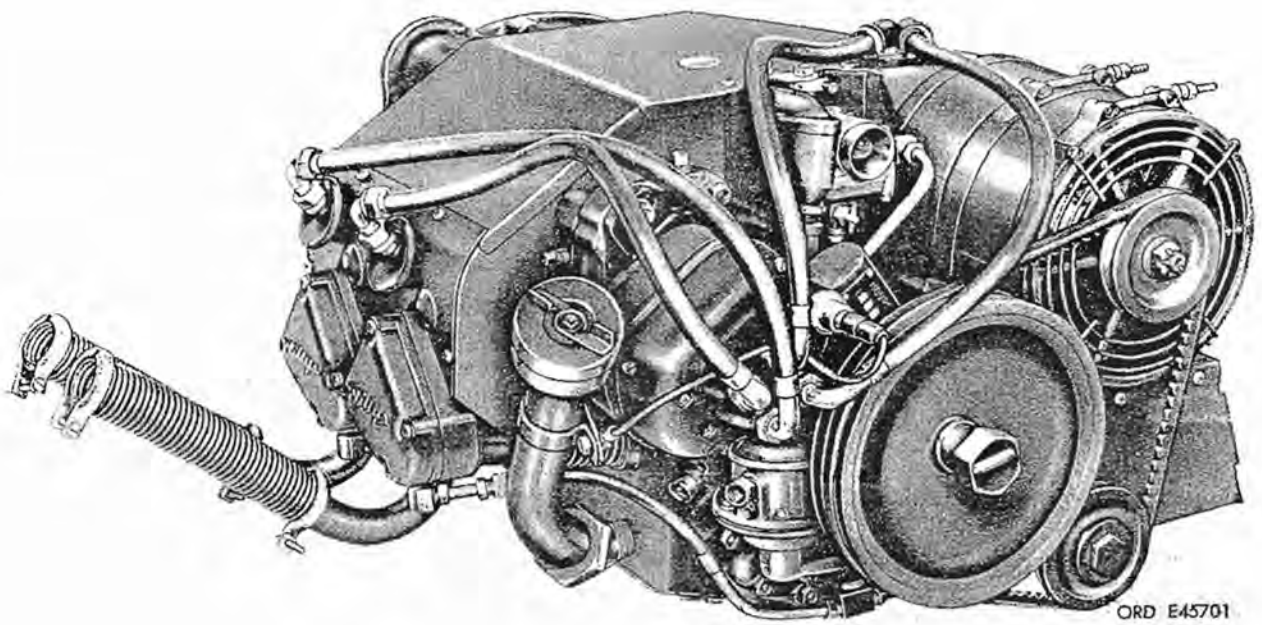
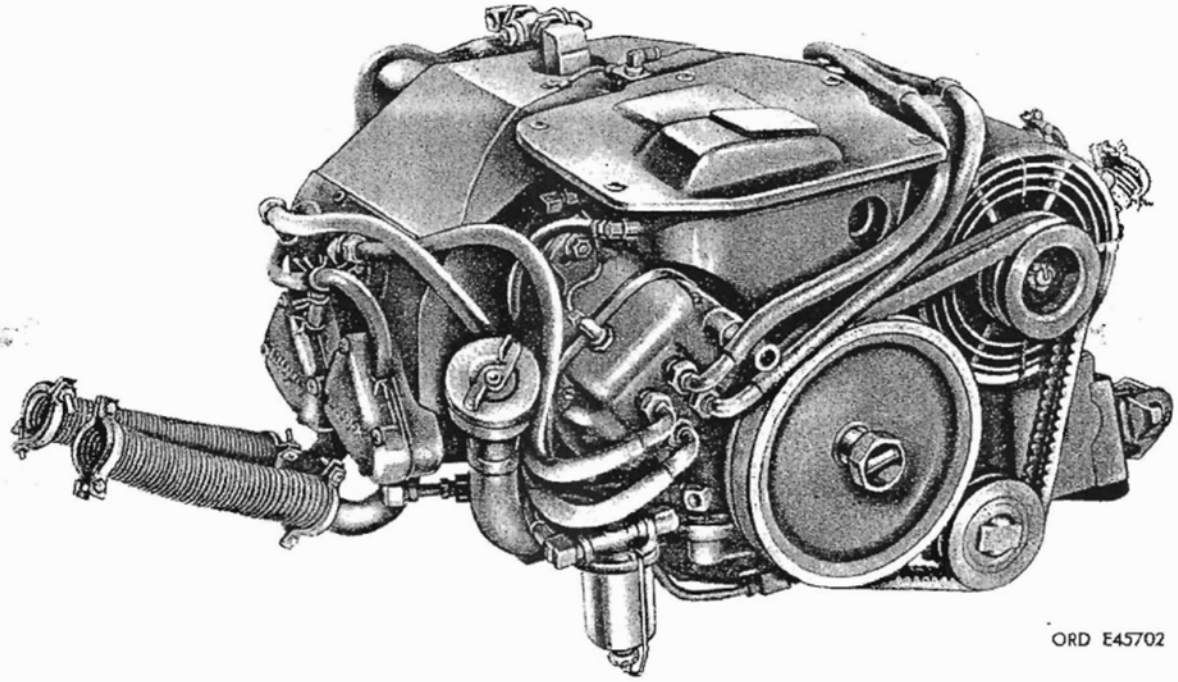



Figure 1. Engine assembly — Model M274.

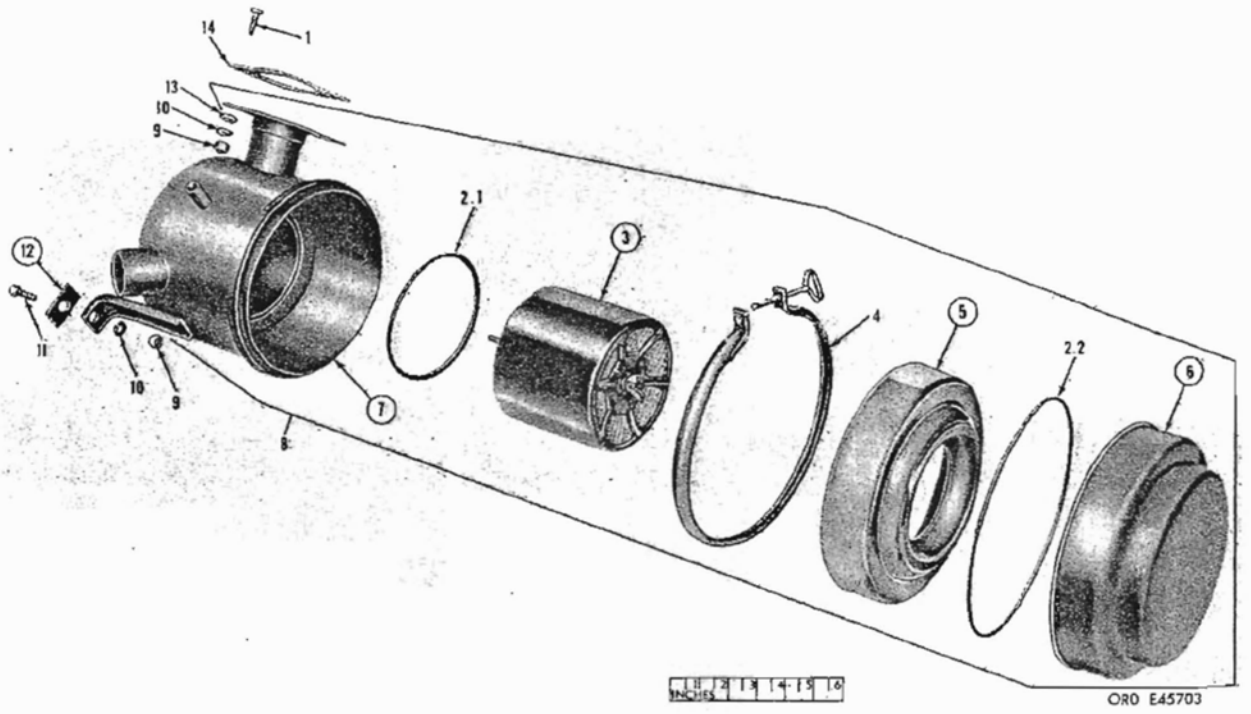
| (1) ILLUST | | (2) SOURCE, MAINT AND RECOVERABILITY CODE | | | | (3) | (4) | (5) | (6) | (7) 15-DAY MAINT ALW PER 100 EQUIP | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| (a) FIG NO | (b) ITEM NO | (a) MATERIEL CODE | (b) SOURCE | (c) MAINTENANCE LEVEL | (d) RECOVERABILITY | FEDERAL STOCK NO | DESCRIPTION | UNIT OF ISSUE | QTY INC IN UNIT | (a) 3RD ECH (DIR SUP) | (b) 4TH ECH (GEN SUP) |
| | | | | | | | **SECTION II**<br><br>**FIELD MAINTENANCE REPAIR PARTS** | | | | |
| 1 | | | P | F | R | 2805-698-0277 | ENGINE, GASOLINE: assy (Model M274) (7966800) ------- | ea | 1 | | |
| 2 | | | P | F | R | 2805-955-2009 | ENGINE, GASOLINE: assy (Model M274A1) (65909-934982) | ea | 1 | | |



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Figure 2. Engine assembly – Model M274A1.

| (1) ILLUST | | (2) SOURCE, MAINT AND RECOVERABILITY CODE | | | | (3) | (4) | (5) | (6) | (7) 15-DAY MAINT ALW PER 100 EQUIP | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| (a) FIG NO | (b) ITEM NO | (a) MATERIEL CODE | (b) SOURCE | (c) MAINTENANCE LEVEL | (d) RECOVERABILITY | FEDERAL STOCK NO | DESCRIPTION | UNIT OF ISSUE | QTY INC IN UNIT | (a) 3RD ECH (DIR SUP) | (b) 4TH ECH (GEN SUP) |
| | | | | | | | Air Cleaner Assembly (Model M274) (fig. 3) | | | | |
| 3 | 1 | | P | O | | 5306-012-0213 | BOLT, MACHINE: 5/16-24UNF-2A x 7/8 in. lg (120213) -- | ea | 4 | | |
| | | | P | O | | 2940-606-9487 | GASKET SET: air cleaner (7331578) ---------- | ea | * | | |
| | 2.1 | | | | | | Composed of: | | | | |
| | 2.2 | | | | | | 1 GASKET: strip (94537-916661) | | | | |
| | | | | | | | 1 GASKET: ring (94537-916662) | | | | |
| | 4 | | P | O | | 4730-278-2064 | CLAMP, HOSE: adjustable band type, 2-1/8 to 2-3/8 in. id (502922) | ea | 1 | | |
| | 8 | | X2 | O | R | 2940-698-2772 | AIR CLEANER: assy (7966572) ---------- | ea | 1 | | |
| | 9 | | P | O | | 5310-012-0368 | NUT, PLAIN, HEXAGON: 5/16-24UNF-2B (air cleaner to bed (2), air cleaner to rear bed support (4)) (96906-35690-525) | ea | 6 | | |
| | 10 | | P | O | | 5310-012-0214 | WASHER, LOCK: split, 5/16 in. screw size (air cleaner to bed (2), air cleaner to rear bed support (4)) (96906-35338-26) | ea | 6 | | |
| | 11 | | P | O | | 5305-059-4735 | SCREW, MACHINE: 5/16-24UNF-2A x 1-1/2 in. lg (178433) | ea | 2 | | |
| | 13 | | P | O | | 5310-616-3023 | WASHER, FLAT: 5/16 in. screw size (120393) ---------- | ea | 4 | | |
| | 14 | | P | O | | 2940-587-1433 | GASKET: (7027988) ---------- | ea | 1 | | |

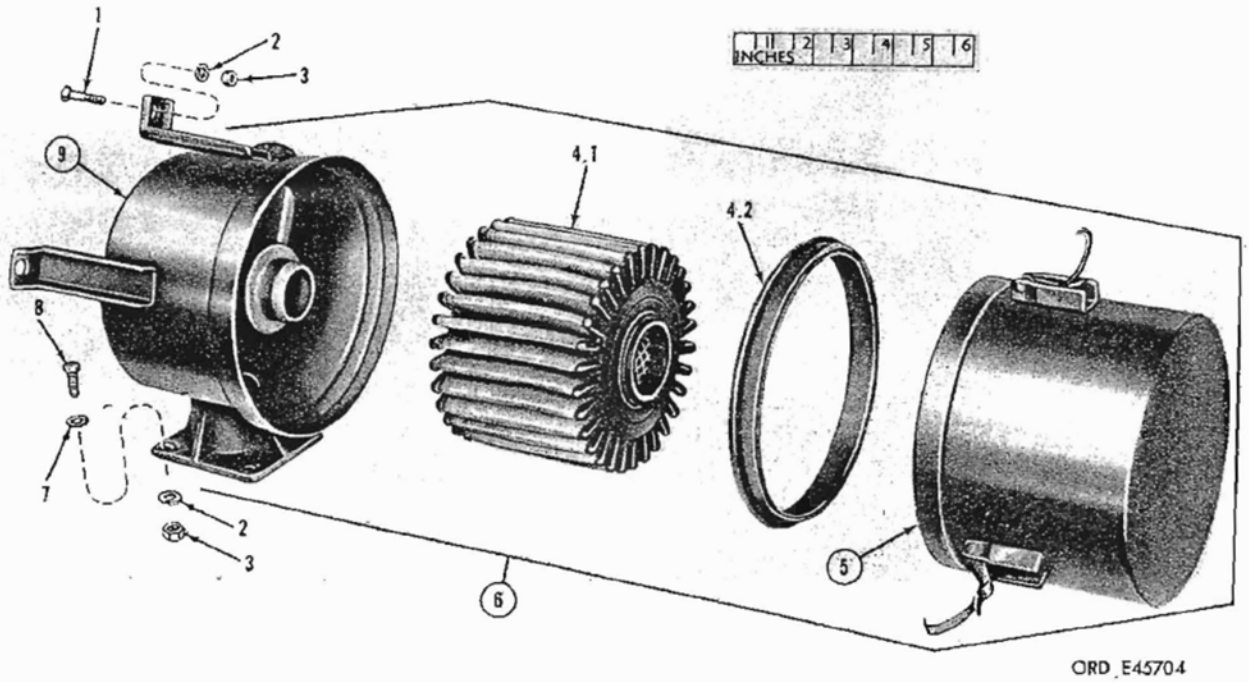



NON-SUPPLY ITEMS

3 - FILTER (78940-1367A1)
5 - BAFFLE (78940-418B1)
6 - CUP (78940-500B3K06)
7 - HOUSING (78940-1363DK06)
12 - SHIM (94537-914583)

Figure 3. Air cleaner assembly (Model M274) - exploded view.

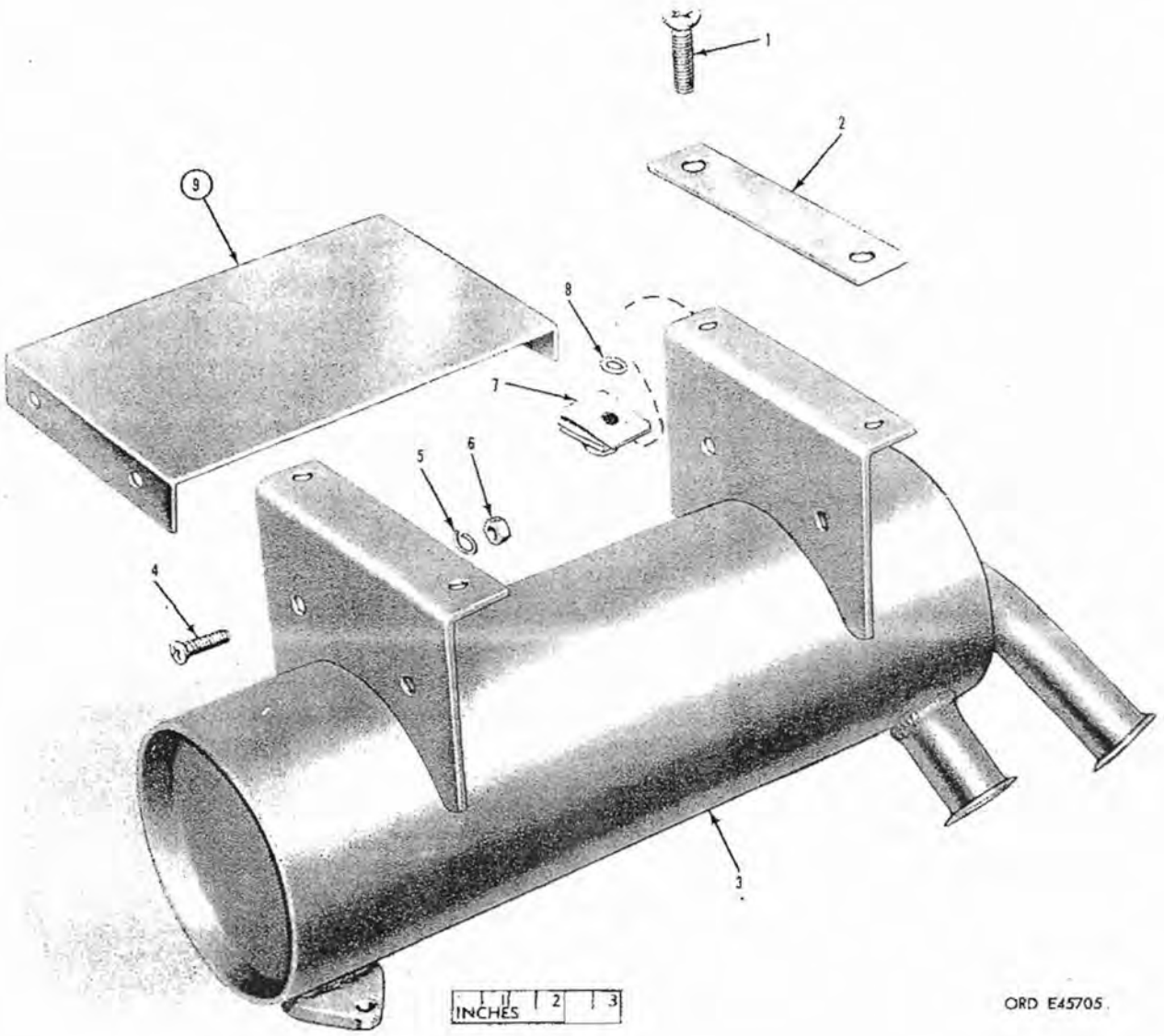
| (1) ILLUST | | (2) SOURCE, MAINT AND RECOVERABILITY CODE | | | | (3) | (4) | (5) | (6) | (7) 15-DAY MAINT ALW PER 100 EQUIP | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| (a) FIG NO | (b) ITEM NO | (a) MATERIEL CODE | (b) SOURCE | (c) MAINTENANCE LEVEL | (d) RECOVERABILITY | FEDERAL STOCK NO | DESCRIPTION | UNIT OF ISSUE | QTY INC IN UNIT | (a) 3RD ECH (DIR SUP) | (b) 4TH ECH (GEN SUP) |
| | | | | | | | Air Cleaner Assembly (Model M274A1) (fig. 4) | | | | |
| 4 | 1 | | P | O | | 5305-059-7082 | SCREW, MACHINE: flat cross-recess-hd, 5/16-24UNF-2B x 1-1/4 in. lg (96906-35193-87) | ea | 2 | | |
| | 2 | | P | O | | 5310-012-0214 | WASHER, LOCK: split, 5/16 in. screw size (air cleaner to bed (2), air cleaner to rear bed support (4)) (96906-35338-26) | ea | 6 | | |
| | 3 | | P | O | | 5310-012-0368 | NUT, PLAIN, HEXAGON: 5/16-24UNF-2B (air cleaner to bed (2), air cleaner to rear bed support (4)) (96906-35690-525) | ea | 6 | | |
| | | | P | O | | 2940-955-2008 | KIT, ELEMENT AND GASKET: air cleaner (65909-935576) Composed of: | ea | 1 | | |
| | 4.1 | | | | | | 1 ELEMENT, FILTER: (65909-935578) | | | | |
| | 4.2 | | | | | | 1 GASKET: (65909-935577) | | | | |
| | 7 | | P | O | | 5310-616-3023 | WASHER, FLAT: 5/16 in. screw size (96906-15795-212) - | ea | 4 | | |
| | 8 | | P | O | | 5306-576-5809 | SCREW, CAP, HEXAGON HEAD: 5/16-24UNF-2A x 7/8 in. lg (96906-35292-33) | ea | 4 | | |




NON-SUPPLY ITEMS

5 - RESERVOIR (No Number)
6 - AIR CLEANER ASSY (65909-935508)
9 - HOUSING (No Number)

Figure 4. Air cleaner assembly (Model M274A1) - exploded view.



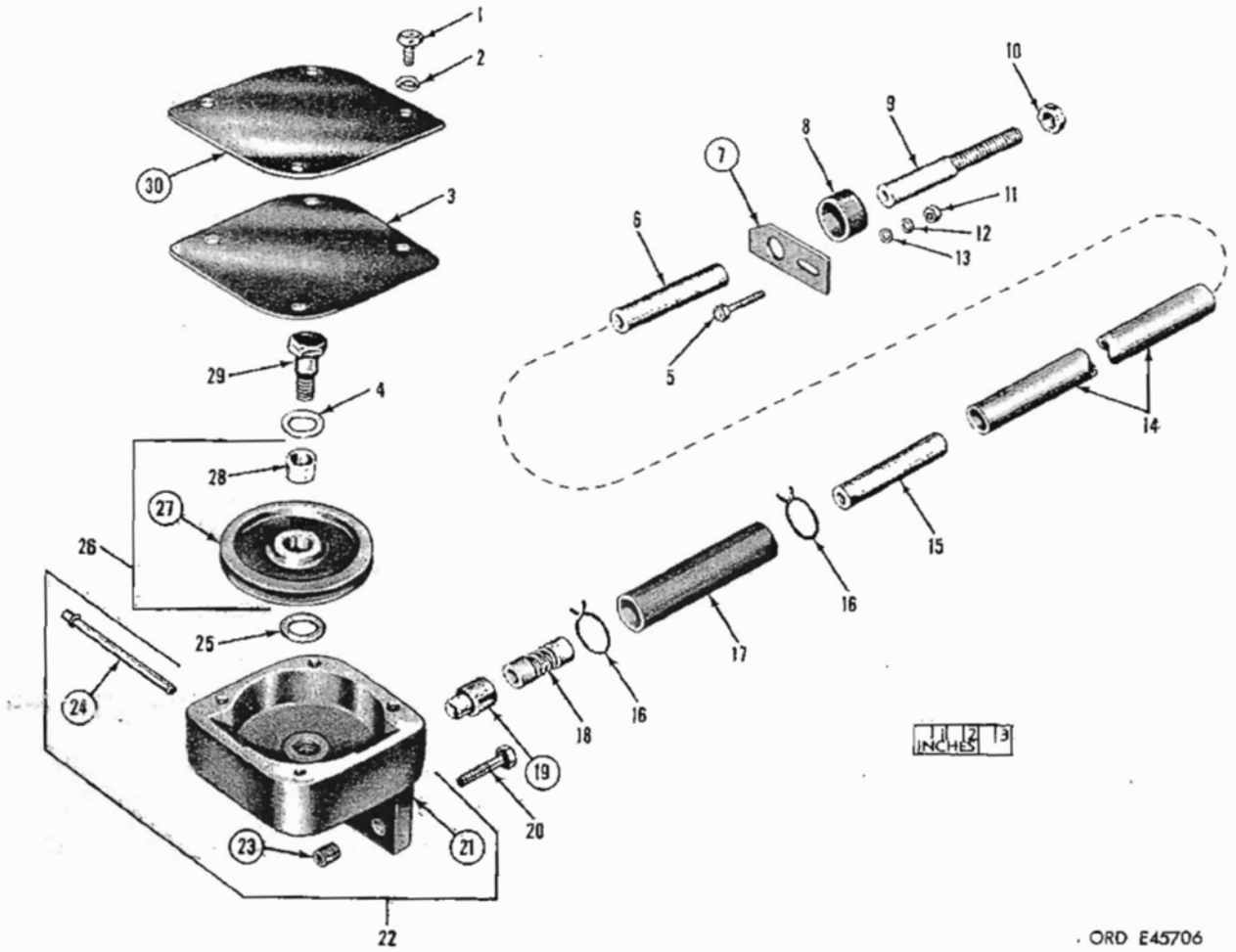

NON-SUPPLY ITEM

9 – DEFLECTOR (8336164)

Figure 5. Muffler and associated parts – exploded view.

| (1) ILLUST | | (2) SOURCE, MAINT AND RECOVERABILITY CODE | | | | (3) | (4) | (5) | (6) | (7) 15-DAY MAINT ALW PER 100 EQUIP | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| (a) FIG NO | (b) ITEM NO | (a) MAINTENANCE CODE | (b) SOURCE | (c) MAINTENANCE LEVEL | (d) RECOVERABILITY | FEDERAL STOCK NO | DESCRIPTION | UNIT OF ISSUE | QTY INC IN UNIT | (a) 3RD ECH (OIR SUP) | (b) 4TH ECH (GEN SUP) |
| | | | | | | | Muffler and Associated Parts (fig. 5) | | | | |
| 5 | 1 | | P | O | | 5305-059-7083 | SCREW, MACHINE: 5/16-24UNF-2A x 1-1/2 in. lg (96906-35193-88) | ea | 8 | | |
| | 2 | | P | O | | 2990-698-2237 | INSULATOR: asbestos (7966593) ---------- | ea | 4 | | |
| | 3 | | P | O | | 2990-698-2217 | MUFFLER, EXHAUST: assy (left) (IUE, then use MUFFLER — 2990-652-4447) (Model M274) (7966592) | ea | 1 | | |
| | 3 | | P | O | | 2990-652-4447 | MUFFLER, EXHAUST: assy (left) (use only after stock of MUFFLER — 2990-698-2217 is exhausted) (Model M274) (7045672) | ea | 1 | | |
| | 3 | | P | O | | 2990-996-7266 | MUFFLER, EXHAUST: assy (left) (Model M274A1) (65909-927145) | ea | 1 | | |
| | 3 | | P | O | | 2990-698-2645 | MUFFLER, EXHAUST: assy (right) (IUE, then use MUFFLER — 2990-652-4448) (Model M274) (7966591) | ea | 1 | | |
| | 3 | | P | O | | 2990-652-4448 | MUFFLER, EXHAUST: assy (right) (use only after stock of MUFFLER — 2990-698-2645 is exhausted) (Model M274) (7045673) | ea | 1 | | |
| | 3 | | P | O | | 2990-996-7267 | MUFFLER, EXHAUST: assy (right) (Model M274A1) (65909-927146) | ea | 1 | | |
| | 4 | | P | O | | 5305-597-7930 | SCREW, MACHINE: pan-hd, 1/4-20UNC-2A x 1/2 in. lg (96906-35208-69) | ea | 8 | | |
| | 5 | | P | O | | 5310-012-1637 | WASHER, LOCK: split, 1/4 in. screw size (96906-35337-25) | ea | 8 | | |
| | 6 | | P | O | | 5310-616-1288 | NUT, PLAIN, HEXAGON: 1/4-20UNC-2B (96906-35690-405) - | ea | 8 | | |
| | 7 | | P | O | | 5310-044-3334 | NUT: 5/16-24UNF-2B (443334) ---------- | ea | 8 | | |
| | 8 | | P | O | | 5310-616-3023 | WASHER, FLAT: 11/32 id, 11/16 od, 0.065 in. thk (120393) | ea | 8 | | |

| (1) ILLUST | | (2) SOURCE, MAINT AND RECOVERABILITY CODE | | | | (3) FEDERAL STOCK NO | (4) DESCRIPTION | (5) UNIT OF ISSUE | (6) QTY INC IN UNIT | (7) 15-DAY MAINT ALW PER 100 EQUIP | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| (a) FIG NO | (b) ITEM NO | (a) MATERIEL CODE | (b) SOURCE | (c) MAINTENANCE LEVEL | (d) RECOVERABILITY | | | | | (a) 3RD ECH (DIR SUP) | (b) 4TH ECH (GEN SUP) |
| | | | | | | | Starter Cable Pulley and Associated Parts (fig. 6) | | | | |
| 6 | 1 | | P | O | | 5305-012-0706 | SCREW, CAP, HEXAGON HEAD: 1/4-20UNC-2A x 1/2 in. lg (120706) | ea | 4 | | |

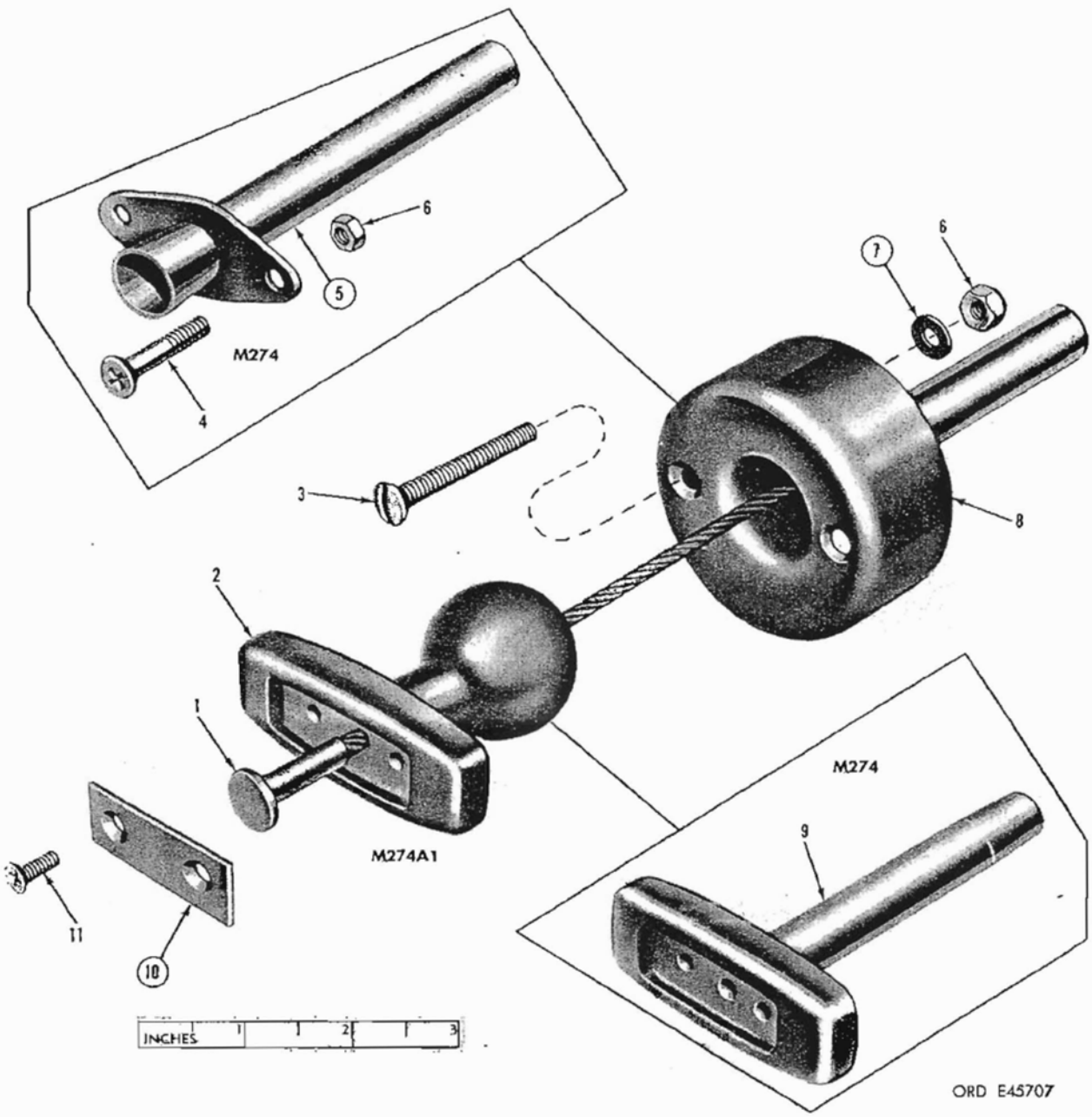



NON-SUPPLY ITEMS

7 – CLIP (7045633)
19 – BUSHING (8336112)
21 – HOUSING (8336105)
23 – INSERT (452724)
24 – GUIDE:
MODEL M274 (8336106)
MODEL M274A1 (65909-933951)
27 – PULLEY:
MODEL M274 (8336109)
MODEL M274A1 (65909-933948)
30 – COVER (8336115)

Figure 6. Starter cable pulley and associated parts – exploded view.

| (1) ILLUST | | (2) SOURCE, MAINT AND RECOVERABILITY CODE | | | | (3) | (4) | (5) | (6) | (7) 15-DAY MAINT ALW PER 100 EQUIP | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| (a) FIG NO | (b) ITEM NO | (a) MATERIEL CODE | (b) SOURCE | (c) MAINTENANCE LEVEL | (d) RECOVERABILITY | FEDERAL STOCK NO | DESCRIPTION | UNIT OF ISSUE | QTY INC IN UNIT | (a) 3RD ECH (DIR SUP) | (b) 4TH ECH (GEN SUP) |
| 6 | 2 | | P | O | | 5310-582-5965 | WASHER, LOCK: split, 1/4 in. screw size (96906-35338-25) | ea | 4 | | |
| | 3 | | P | O | | 2990-536-2794 | GASKET: (8336114) | ea | 1 | | |
| | 4 | | P | O | | 5310-543-2862 | WASHER, FLAT: 1/2 in. screw size (8687087) | ea | 1 | | |
| | 5 | | P | O | | 5305-531-1783 | SCREW, CAP, HEXAGON HEAD: 1/4-20UNC-2A x 1.00 in. lg (96906-35291-8) | ea | 2 | | |
| | 6 | | P | F | | 2990-678-4665 | BUSHING, SLEEVE: (7045715) | ea | 1 | | |
| | 8 | | P | F | | 2990-678-4664 | BOOT, DUST AND MOISTURE SEAL: (7045655) | ea | 1 | | |
| | 9 | | P | F | | 2990-678-4663 | CABLE ADJUSTING STOP: (7045660) | ea | 1 | | |
| | 10 | | P | F | | 5310-655-9662 | NUT, PLAIN, HEXAGON: 1/2-13UNC-2B (96906-35691-802) | ea | 1 | | |
| | 11 | | P | O | | 5310-012-0375 | NUT, PLAIN, HEXAGON: 1/4-20UNC-2B (96906-35690-405) | ea | 2 | | |
| | 12 | | P | O | | 5310-012-1637 | WASHER, LOCK: split, 1/4 in. screw size (96906-35337-25) | ea | 2 | | |
| | 13 | | P | O | | 5310-194-1540 | WASHER, FLAT: 1/4 in. screw size (96906-15795-210) | ea | 2 | | |
| | 14 | | P | F | | 5975-683-3537 | CONDUIT, METAL: (64.0 in. lg) (7045654) | ft | 1 | | |
| | 15 | | P | O | | 2990-955-2011 | END PLUG: starter cable (2.00 in. lg) (Model M274A1 only) (65909-924894) | ea | 1 | | |
| | 16 | | P | O | | 4730-278-2493 | CLAMP, HOSE: (502913) | ea | 2 | | |
| | 17 | | P | O | | 4720-235-1775 | TUBING, RUBBER: 3/4 id, 4.00 in. lg (80244-33-T-244) | ft | 1 | | |
| | 18 | 5 | P | F | | 4030-698-6944 | QUICK-DISCONNECT: starter cable at engine (7966837) | ea | 1 | | |
| | 20 | | P | F | | 5305-012-0668 | SCREW, CAP, HEXAGON HEAD: 3/8-24UNF-2A x 1-3/4 in. lg (housing to frame tube) (96906-35292-65) | ea | 1 | | |
| | 22 | | P | H | | 2990-536-2797 | HOUSING, PULLEY: assy (8687094) | ea | 1 | | |
| | 25 | | P | O | | 5310-595-6057 | WASHER, FLAT: 3/8 in. screw size (8687086) | ea | 1 | | |
| | 26 | | | | | | PULLEY, GROOVE: w/BEARING, assy: | | | | |
| | | | P | O | | 2990-571-6980 | Model M274 (8336110) | ea | 1 | | |
| | | | P | O | | 2990-996-3811 | Model M274A1 (65909-933987) | ea | 1 | | |
| | 28 | | P | O | | 2990-571-6979 | BEARING, SLEEVE: (8687088) | ea | 1 | | |
| | 29 | | P | O | | 5306-536-2808 | BOLT, SHOULDER: (8336125) | ea | 1 | | |

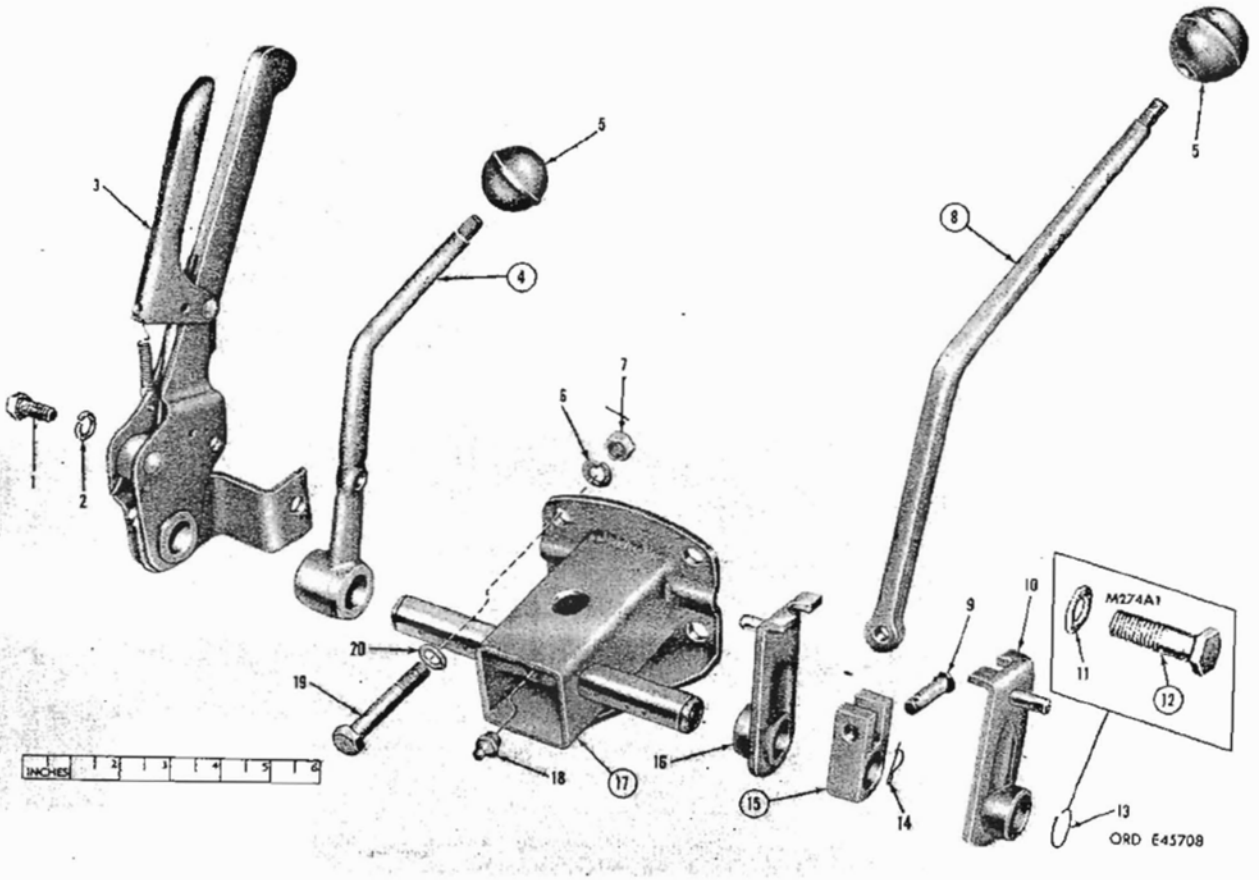



NON-SUPPLY ITEMS

5 – TUBE (Model M274) (8336116)
7 – WASHER (96906-15795-210)
10 – PLATE (65909-923831)

Figure 7. Starter cable handle, rope, and associated parts – exploded view.

| (1) ILLUST | | (2) SOURCE, MAINT AND RECOVERABILITY CODE | | | | (3) | (4) | (5) | (6) | (7) 15-DAY MAINT ALW PER 100 EQUIP | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| (a) FIG NO | (b) ITEM NO | (a) MATERIEL CODE | (b) SOURCE | (c) MAINTENANCE LEVEL | (d) RECOVERABILITY | FEDERAL STOCK NO | DESCRIPTION | UNIT OF ISSUE | QTY INC IN UNIT | (a) 3RD ECH (101A SUP) | (b) 4TH ECH (10EW SUP) |
| | | | | | | | Starter Cable Handle, Rope, and Associated Parts (fig. 7) | | | | |
| 7 | 1 | | P | O | | 2990-678-4648 | WIRE ROPE ASSEMBLY, SINGLE LEG: Model M274 (8764903) ---------- | ea | 1 | | |
| | | | P | O | | 2990-996-3820 | Model M274A1 (65909-924041) ---------- | ea | 1 | | |
| | 2 | | P | O | | 2990-996-3812 | HANDLE: (Model M274A1) (65909-923836) ---------- | ea | 1 | | |
| | 3 | | P | O | | 5305-013-4444 | SCREW, MACHINE: oval-hd, 1/4-20UNC-2A x 2.00 in. lg (Model M274A1) (134444) | ea | 2 | | |
| | 4 | | P | O | | 5305-016-0541 | SCREW, MACHINE: cross-recess-pan-hd, 1/4-20UNC-2A x 3/4 in. lg (Model M274) (160541) | ea | 2 | | |
| | 6 | | P | O | | 5310-050-3267 | NUT, SELF-LOCKING, HEXAGON: 1/4-20UNF (503267) ------ | ea | 2 | | |
| | 8 | | P | F | | 2990-678-4662 | GUIDE, STARTER CABLE: (Model M274A1) (7045713) ------ | ea | 1 | | |
| | 9 | | P | O | | 2990-563-7252 | HANDLE: starter cable (Model M274) (7966976) -------- | ea | 1 | | |
| | 11 | | P | O | | 5305-059-4931 | SCREW, MACHINE: fl-hd, no. 8-32NC-2 x 7/16 in. lg (96906-35192-41) | ea | 2 | | |
| | | | | | | | NON-ILLUSTRATED ITEM | | | | |
| | | | P | O | | 2990-536-2795 | SPRING, HELICAL, COMPRESSION: hand starter cable (Model M274 only) (8336121) | ea | 1 | | |



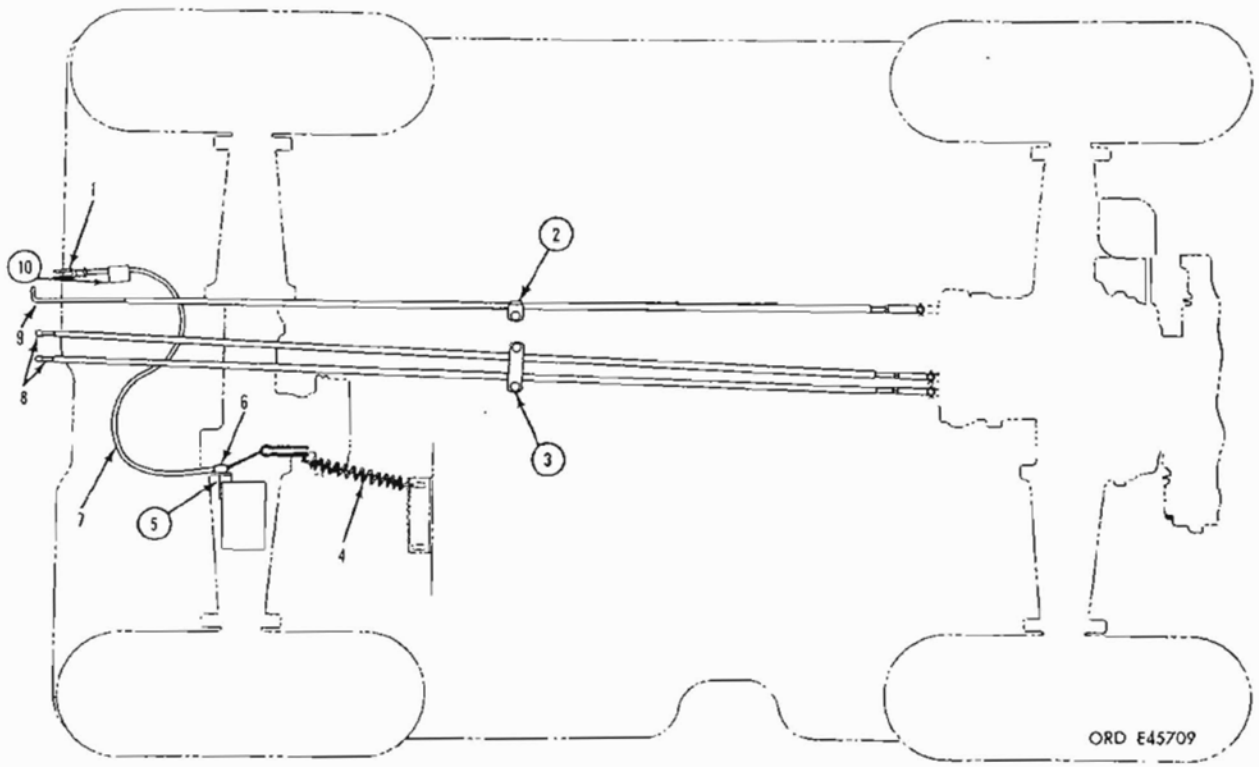

NON-SUPPLY ITEMS

4 – LEVER (7966634)
8 – LEVER:
MODEL M274 (7966633)
MODEL M274A1 (65909-927458)
12 – BOLT (65909-933809)
15 – BLOCK (8336176)
17 – SUPPORT ASSY:
MODEL M274 (8336039)
MODEL M274A1 (65909-933709)

Figure 8. Handbrake system – exploded view.

| (1) ILLUST | | (2) SOURCE, MAINT AND RECOVERABILITY CODE | | | | (3) | (4) | (5) | (6) | (7) 15-DAY MAINT ALW PER 100 EQUIP | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| (a) FIG NO | (b) ITEM NO | (a) SOURCE CODE | (b) SOURCE | (c) MAINTENANCE CODE | (d) RECOVERABILITY CODE | FEDERAL STOCK NO | DESCRIPTION | UNIT OF ISSUE | QTY INC IN UNIT | (a) 3RD ECH (DIR SUP) | (b) 4TH ECH (GEN SUP) |
| | | | | | | | Handbrake System (fig. 8) | | | | |
| 8 | 1 | | P | O | | 5305-012-2104 | SCREW, CAP, HEXAGON HEAD: 3/8-16UNC-2A x 5/8 in. lg (96906-35291-57) | ea | 1 | | |
| | 2 | | P | O | | 5310-637-9541 | WASHER, LOCK: split, 3/8 in. screw size (96906-35337-27) | ea | 1 | | |
| | 3 | | P | O | | 2530-508-2364 | LEVER: handbrake, assy (7966769) | ea | 1 | | |
| | 5 | | P | O | | 5355-741-1761 | KNOB: shift lever (7696491) | ea | 2 | | |
| | 6 | | P | F | | 5310-637-9541 | WASHER, LOCK: 3/8 in. screw size (96906-35338-46) | ea | 4 | | |
| | 7 | | P | F | | 5310-543-5653 | NUT, PLAIN, HEXAGON: 3/8-24UNF-2B (96906-35690-625) | ea | 4 | | |
| | 9 | | | | | | PIN, STRAIGHT, HEADED: | | | | |
| | | | P | O | | 5315-059-0929 | Model M274 (590929) | ea | 1 | | |
| | | | P | O | | 5315-954-1242 | Model M274A1 (7966676) | ea | 1 | | |
| | 10 | | | | | | BRACKET, GEAR SHIFT LEVER: | | | | |
| | | | P | O | | 2520-697-3986 | Model M274 (7966671) | ea | 1 | | |
| | | | P | O | | 2520-953-4867 | Model M274A1 (65909-927446) | ea | 1 | | |
| | 11 | | P | O | | 5310-012-0396 | WASHER, FLAT: 1/2 in. bolt size (Model M274A1 only) (120396) | ea | 1 | | |
| | 13 | | P | O | | 5340-281-1526 | RING, RETAINING: exter (Model M274 only) (583039) | ea | 1 | | |
| | 14 | | P | O | | 5315-290-1350 | CLIP: (8332074) | ea | 1 | | |
| | 16 | | | | | | BRACKET, GEAR SHIFT LEVER: | | | | |
| | | | P | O | | 2520-697-3986 | Model M274 (7966671) | ea | 1 | | |
| | | | P | O | | 2520-953-4862 | Model M274A1 (65909-927459) | ea | 1 | | |
| | 18 | | P | O | | 4730-050-4208 | FITTING, LUBRICATION: (96906-15003-1) | ea | 1 | | |
| | 19 | | P | F | | 5305-012-0640 | SCREW, CAP, HEXAGON HEAD: 3/8-24UNF-2A x 2-1/2 in. lg (120640) | ea | 4 | | |
| | 20 | | P | F | | 5310-012-0388 | WASHER, FLAT: 7/16 id, 1.00 od, 0.083 in. thk (120388) | ea | 4 | | |
| | | | | | | | NON-ILLUSTRATED ITEM | | | | |
| | | | | | | | PLUG, EXPANSION: 1/2 in. dia (handbrake and shift levers support): | | | | |
| | | | P | O | | 5340-050-1589 | Model M274 (501589) | ea | 2 | | |
| | | | P | O | | 5340-050-1589 | Model M274A1 (501589) | ea | 1 | | |

| (1) ILLUST | | (2) SOURCE, MAINT AND RECOVERABILITY CODE | | | | (3) | (4) | (5) | (6) | (7) 15-DAY MAINT ALW PER 100 EQUIP | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| (a) FIG NO | (b) ITEM NO | (a) MATERIEL CODE | (b) SOURCE | (c) MAINTENANCE LEVEL | (d) RECOVERABILITY | FEDERAL STOCK NO | DESCRIPTION | UNIT OF ISSUE | QTY INC IN UNIT | (a) 3RD ECH (DIR SUPT) | (b) 4TH ECH (GEN SUPT) |
| | | | | | | | Shift and Handbrake Linkage and Associated Parts (Model M274) (fig. 9) | | | | |
| 9 | 1 | | P | O | | 5340-550-8087 | CLEVIS, ROD END: adj, 1/4-28UNF-2B (116838) ---------- | ea | 2 | | |
| | 4 | | P | O | | 2530-629-8828 | SPRING, HELICAL, EXTENSION: release (8686945) ------- | ea | 1 | | |
| | 6 | | C | O | | 5340-495-9575 | CLAMP: handbrake cable conduit (7348611) ---------- | ea | 2 | | |
| | 7 | | P | O | | 2530-711-8369 | LINKAGE: flexible, handbrake (7045771) ---------- | ea | 1 | | |
| | 8 | | P | F | | 2590-697-3713 | LINKAGE, RIGID: control rod, gear shift (7966626) --- | ea | 2 | | |



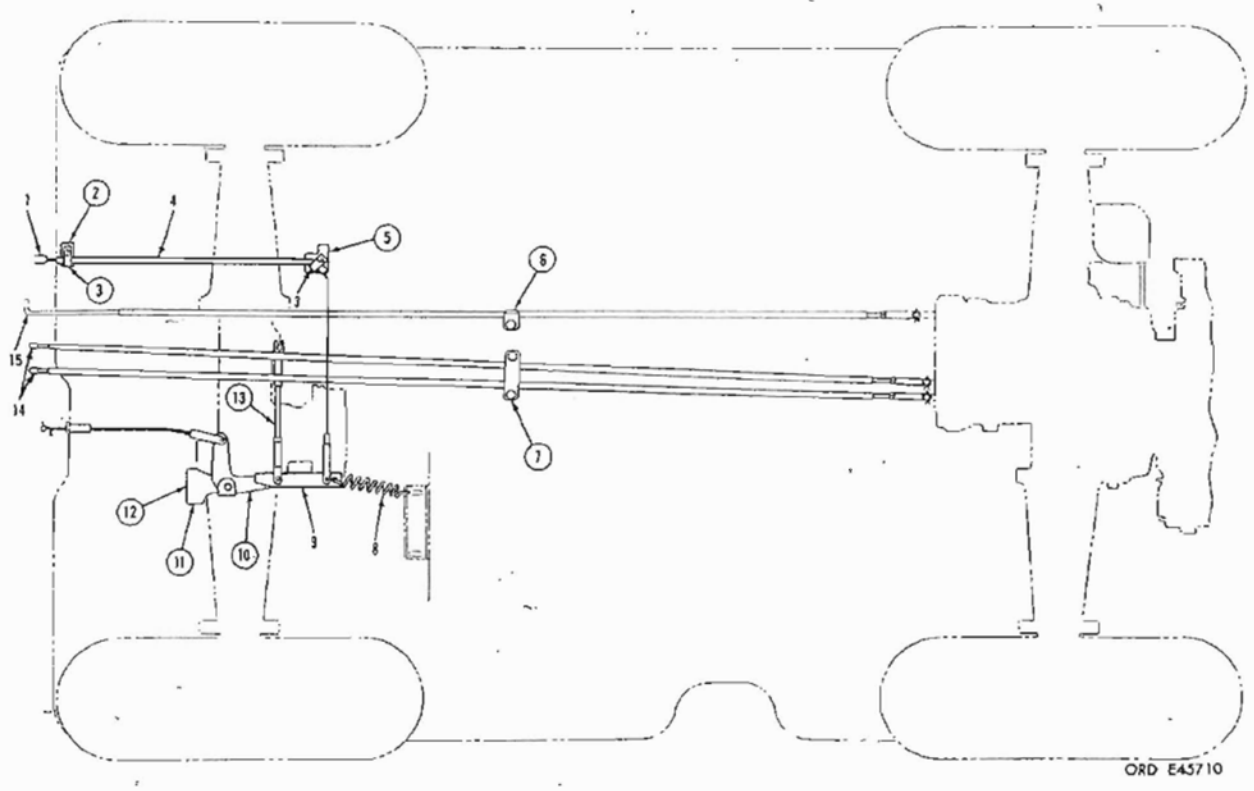

NON-SUPPLY ITEMS

2 – HANGER (8336262)
3 – HANGER (8336263)
5 – BRACKET (94537-811717)
10 – BRACKET (7966941)

Figure 9. Shift and handbrake linkage and associated parts (Model M274).

| (1) ILLUST | | (2) SOURCE, MAINT AND RECOVERABILITY CODE | | | | (3) | (4) | (5) | (6) | (7) 15 DAY MAINT ALW PER 100 EQUIP | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| (a) FIG NO | (b) ITEM NO | (a) MATERIEL CODE | (b) SOURCE | (c) MAINTENANCE LEVEL | (d) RECOVERABILITY | FEDERAL STOCK NO | DESCRIPTION | UNIT OF ISSUE | QTY INC IN UNIT | (a) 3RD ECH (DIR SUP) | (b) 4TH ECH (GEN SUP) |
| 9 | 9 | | P | F | | 2590-697-3714 | LINKAGE, RIGID: control rod, range shift (7966627) -- | ea | 1 | | |
| | | | | | | | NON-ILLUSTRATED ITEMS | | | | |
| | | | P | O | | 2530-561-9119 | ADAPTER: handbrake lever (7966932) ---------- | ea | 1 | | |
| | | | P | O | | 5306-576-5809 | BOLT, MACHINE: hex-hd, 5/16-24UNF-2A x 7/8 in. lg (handbrake conduit clamp to bracket) (96906-35292-33) | ea | 2 | | |
| | | | P | O | | 5340-561-9130 | CLAMP, LOOP: service brake cable stowage (7380083) -- | ea | 1 | | |
| | | | P | O | | 5340-550-8091 | CLEVIS, ROD END: adj, shift rod (144242) ---------- | ea | 3 | | |
| | | | P | O | | 5315-290-1350 | CLIP: snap (conduit cable yoke clevis pin to handbrake lever) (8332074) | ea | 1 | | |
| | | | P | O | | 5310-012-0376 | NUT, PLAIN, HEXAGON: 5/16-18UNC-2B (hangers to bed) (96906-35690-505) | ea | 3 | | |
| | | | P | O | | 5310-012-0368 | NUT, PLAIN, HEXAGON: 5/16-24UNF-2B (shift rod clevis (3), handbrake conduit clamp (2)) (96906-35690-525) | ea | 5 | | |
| | | | P | O | | 5315-587-1444 | PIN, CLEVIS: shift rods to hanger (8336264) --------- | ea | 3 | | |
| | | | P | O | | 5315-011-9117 | PIN, COTTER: 3/32 x 1/2 in. lg (cable clevis to adapter lever (1), cable adapter lever (1)) (119117) | ea | 2 | | |
| | | | P | O | | 5315-842-3651 | PIN, COTTER: 3/32 x 1/2 in. lg (shift rod to hanger (3), shift rod to shift arm (2), shift rod to lever (3), handbrake cable clevis pin (1)) (96906-24665-295) | ea | 9 | | |
| | | | P | O | | 5315-561-9135 | PIN, STRAIGHT, HEADED: cable to handbrake lever (7380084) | ea | 1 | | |
| | | | P | O | | 5315-012-1741 | PIN, STRAIGHT, HEADED: shift rod (121741) ---------- | ea | 3 | | |
| | | | P | O | | 5305-954-1247 | SCREW, MACHINE: cross-recess-fl-hd, 5/16-24UNF-2A x 1-5/8 in. lg (hangers to bed) (7700147) | ea | 3 | | |
| | | | P | O | | 2530-588-8561 | SPRING, HELICAL, TORSION: pawl (7966896) ---------- | ea | 1 | | |
| | | | P | O | | 5310-012-0214 | WASHER, LOCK: split, 5/16 in. screw size (handbrake conduit clamp to bracket) (96906-35338-26) | ea | 2 | | |
| | | | P | O | | 5310-012-0214 | WASHER, LOCK: split, 5/16 in. screw size (hangers to bed) (96906-35338-26) | ea | 3 | | |

| (1) ILLUST (a) FIG NO | (1) ILLUST (b) ITEM NO | (2) SOURCE, MAINT AND RECOVERABILITY CODE (a) MATERIEL CODE | (b) SOURCE | (c) MAINTENANCE LEVEL | (d) RECOVERABILITY | (3) FEDERAL STOCK NO | (4) DESCRIPTION | (5) UNIT OF ISSUE | (6) QTY INC IN UNIT | (7) 15-DAY MAINT ALW PER 100 EQUIP (a) 3RD ECH (DIR SUP) | (7) 15-DAY MAINT ALW PER 100 EQUIP (b) 4TH ECH (GEN SUP) |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | Shift and Handbrake Linkage and Associated Parts (Model M274A1) (fig. 10) | | | | |
| 10 | 1 | | P | O | | 5340-550-8087 | CLEVIS, ROD END: adj, 1/4-28UNF-2B (116838) --------- | ea | 2 | | |
| | 4 | | P | O | | 2530-953-4871 | CABLE ASSEMBLY: handbrake (65909-923505) ---------- | ea | 1 | | |
| | 8 | | P | O | | 2530-629-8828 | SPRING, HELICAL, EXTENSION: release (8686945) ------- | ea | 1 | | |
| | 9 | | P | O | | 2530-953-4870 | ADAPTER: handbrake lever (65909-92350I) ---------- | ea | 1 | | |

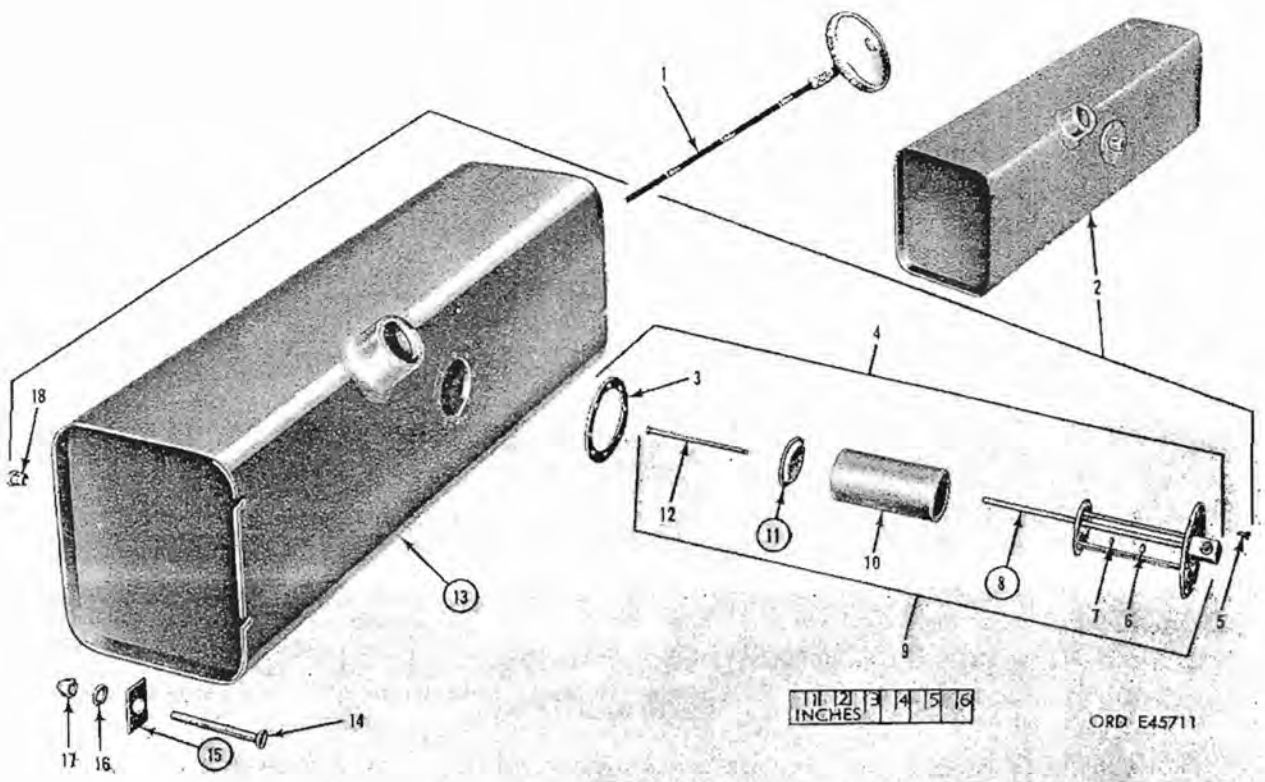



NON-SUPPLY ITEMS

2 — BRACKET (7966941)
3 — CLAMP (7697855)
5 — BRACKET (65909-923500)
6 — HANGER (8336262)
7 — HANGER (8336263)
10 — LEVER (65909-923509)
11 — SPACER (65909-923502)
12 — BRACKET (65909-923947)
13 — LINK ASSY (65909-928061)

Figure 10. Shift and handbrake linkage and associated parts (Model M274A1).

| (1) ILLUST | | (2) SOURCE, MAINT AND RECOVERABILITY CODE | | | | (3) | (4) | (5) | (6) | (7) 15-DAY MAINT ALW PER 100 EQUIP | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| (a) FIG NO | (b) ITEM NO | (a) MATERIEL CODE | (b) SOURCE | (c) MAINTENANCE LEVEL | (d) RECOVERABILITY | FEDERAL STOCK NO | DESCRIPTION | UNIT OF ISSUE | QTY INC IN UNIT | (a) 3RD ECH (DIR SUP) | (b) 4TH ECH (GEN SUP) |
| 10 | 14 | | P | F | | 2590-697-3713 | LINKAGE, RIGID: control rod, gear shift (7966626) --- | ea | 2 | | |
| | 15 | | P | F | | 2590-697-3714 | LINKAGE, RIGID: control rod, range shift (7966627) -- | ea | 1 | | |
| | | | | | | | NON-ILLUSTRATED ITEMS | | | | |
| | | | P | O | | 5306-576-5809 | BOLT, MACHINE: hex-hd, 5/16-24UNF-2A x 7/8 in. lg (handbrake cable clamp to bracket) (96906-35292-33) | ea | 2 | | |
| | | | P | O | | 5340-550-8091 | CLEVIS, ROD END: adj, shift rod (144242) ---------- | ea | 3 | | |
| | | | P | O | | 5315-290-1350 | CLIP: snap (cable yoke clevis pin to handbrake lever) (8332074) | ea | 1 | | |
| | | | P | O | | 5310-012-0376 | NUT, PLAIN, HEXAGON: 5/16-18UNC-2B (hangers to bed) (96906-35690-505) | ea | 3 | | |
| | | | P | O | | 5310-012-0368 | NUT, PLAIN, HEXAGON: 5/16-24UNF-2B (shift rod clevis (3), handbrake cable clamp (2)) (96906-35690-525) | ea | 5 | | |
| | | | P | O | | 5315-013-8084 | PIN, CLEVIS: adapter lever to bellcrank bracket (1), bellcrank to transmission brake (2) (138084) | ea | 3 | | |
| | | | P | O | | 5315-587-1444 | PIN, CLEVIS: shift rods to hanger (8336264) --------- | ea | 3 | | |
| | | | P | O | | 5315-842-3651 | PIN, COTTER: 3/32 x 1/2 in. lg (shift rod to hanger (3), shift rod to shift arm (2), shift rod to lever (3), handbrake cable clevis pin (1)) (96906-24665-295) | ea | 9 | | |
| | | | P | O | | 5315-561-9135 | PIN, STRAIGHT, HEADED: cable to handbrake lever (7380084) | ea | 1 | | |
| | | | P | O | | 5315-012-1741 | PIN, STRAIGHT, HEADED: shift rod (121741) ---------- | ea | 3 | | |
| | | | P | O | | 5305-954-1247 | SCREW, MACHINE: cross-recess-fl-hd, 5/16-24UNF-2A x 1-5/8 in. lg (hangers to bed) (7700147) | ea | 3 | | |
| | | | P | O | | 2530-588-8561 | SPRING, HELICAL, TORSION: pawl (7966896) ---------- | ea | 1 | | |
| | | | P | O | | 5310-012-0214 | WASHER, LOCK: split, 5/16 in. screw size (handbrake cable clamp to bracket) (96906-35338-26) | ea | 2 | | |
| | | | P | O | | 5310-012-0214 | WASHER, LOCK: split, 5/16 in. screw size (hangers to bed) (96906-35338-26) | ea | 3 | | |




NON-SUPPLY ITEMS

8 – PLATE (65909-934092)
11 – PLATE (8686940)
13 – TANK (8336101)
15 – SHIM (8336091)

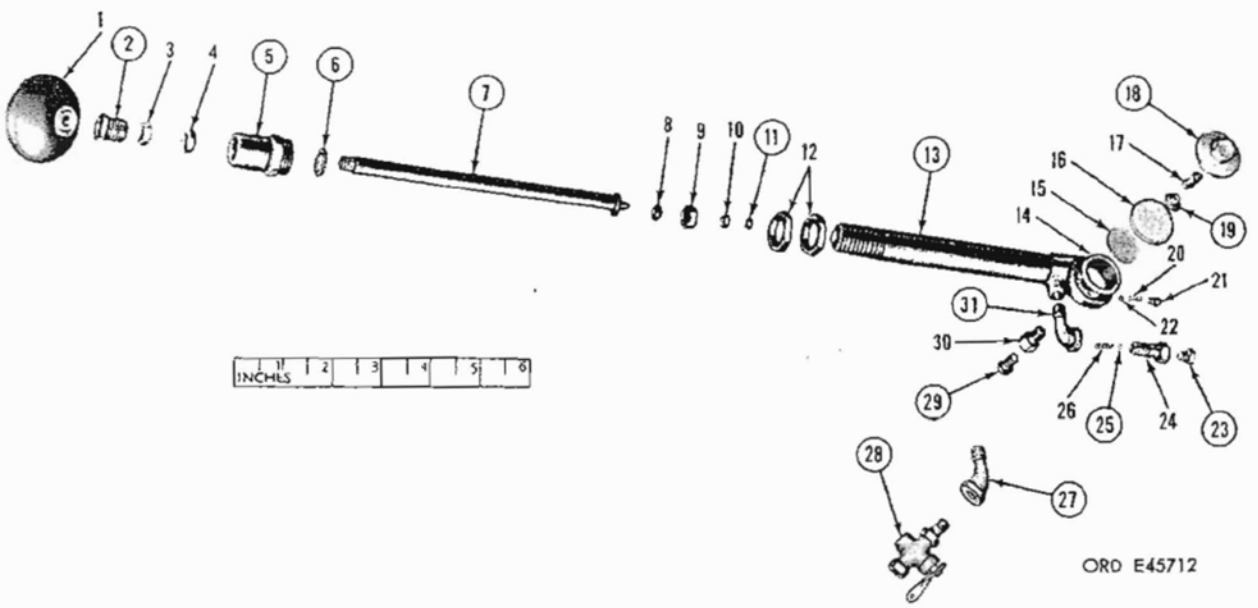
Figure 11. Fuel tank, fuel filter, and associated parts – exploded view.

| (1) ILLUST | | (2) SOURCE, MAINT AND RECOVERABILITY CODE | | | | (3) | (4) | (5) | (6) | (7) 15-DAY MAINT ALW PER 100 EQUIP | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| (a) FIG NO | (b) ITEM NO | (a) MATERIAL CODE | (b) SOURCE | (c) MAINTENANCE LEVEL | (d) RECOVERABILITY | FEDERAL STOCK NO | DESCRIPTION | UNIT OF ISSUE | QTY INC IN UNIT | (a) 3RD ECH (DIR SUP) | (b) 4TH ECH (GEN SUP) |
| | | | | | | | Fuel Tank, Fuel Filter, and Associated Parts (fig. 11) | | | | |
| 11 | 1 | | P | O | | 2910-698-2209 | GAGE ROD: fuel tank cap: Model M274 (7966575) | ea | 1 | | |
| | | | P | O | | 6680-995-3290 | Model M274A1 (65909-923669) | ea | 1 | | |
| | 2 | | | | | | TANK, FUEL, ENGINE: | | | | |
| | | | P | O | S | 2910-698-2281 | Model M274 (7966577) | ea | 1 | | |
| | | | P | O | S | 2910-996-3819 | Model M274A1 (65909-934101) | ea | 1 | | |
| | 3 | | P | O | | 2910-697-4819 | GASKET: (7966662) | ea | 1 | | |
| | 4 | | P | O | | 2910-652-4446 | FILTER ELEMENT, FLUID, PRESSURE: w/gasket, assy (Model M274 only) (5702334) | ea | 1 | | |
| | 5 | | P | O | | 2805-040-2618 | SCREW, ASSEMBLED WASHER: (96906-35208-40) | ea | 8 | | |
| | 6 | | P | O | | 5310-012-0361 | NUT, PLAIN, HEXAGON: no. 10-24NC-2B (120361) | ea | 1 | | |
| | 7 | | P | O | | 5310-045-3296 | WASHER, LOCK: split, no. 10 screw size (96906-35337-43) | ea | 1 | | |
| | 9 | | P | O | R | 2910-785-3571 | SCREEN: filter (fuel tank) (Model M274) (7966969) | ea | 1 | | |
| | 9 | | P | O | R | 2910-996-7262 | FILTER ASSEMBLY: fuel tank (Model M274A1) (65909-933506) | ea | 1 | | |
| | 10 | | C | O | | 2910-735-1316 | FILTER ELEMENT, FLUID, PRESSURE: filter (Model M274) (7351316) | ea | 1 | | |
| | 10 | | C | O | | 2910-955-2010 | ELEMENT: fuel tank filter (Model M274A1) (65909-933504) | ea | 1 | | |
| | 12 | | P | O | | 5306-696-5307 | BOLT, MACHINE: rd-hd, no. 10-24NC-2A x 4.00 in. lg (455268) | ea | 1 | | |
| | 14 | | P | O | | 5305-019-2444 | SCREW, MACHINE: fl-hd, 3/8-16 x 3-3/8 in. lg (192444) | ea | 4 | | |
| | 16 | | P | O | | 5310-044-6212 | WASHER, FLAT: 7/16 id, 7/8 od, 0.083 in. thk (96906-15795-214) | ea | 4 | | |
| | 17 | | P | O | | 5310-298-9284 | NUT, SELF-LOCKING, HEXAGON: 3/8-16UNC-2B (442827) | ea | 4 | | |
| | 18 | 5 | P | O | | 4730-012-7951 | PLUG, PIPE: brass, 1/4 in. (127951) | ea | 1 | | |

| (1) ILLUST | | (2) SOURCE, MAINT AND RECOVERABILITY CODE | | | | (3) | (4) | (5) | (6) | (7) 15-DAY MAINT ALW PER 100 EQUIP | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| (a) FIG NO | (b) ITEM NO | (a) MATERIEL CODE | (b) SOURCE | (c) MAINTENANCE LEVEL | (d) RECOVERABILITY | FEDERAL STOCK NO | DESCRIPTION | UNIT OF ISSUE | QTY INC IN UNIT | (a) 3RD ECH (DIR SUP) | (b) 4TH ECH (GEN SUP) |
| | | | | | | | Fuel System (Non-illustrated Items) | | | | |
| | | | P | O | | 5305-531-1783 | BOLT: 1/4-20 x 1.00 in. lg (idle adjustment) (Model M274A1 only) (96906-35291-8) | ea | 1 | | |
| | | | P | O | | 2540-606-9479 | BUSHING, SLEEVE: accelerator wire (7049712) ---------- | ea | 1 | | |
| | | | P | O | | 2590-996-7284 | CABLE ASSEMBLY, PUSH-PULL: choke (Model M274A1) (65909-928324) | ea | 1 | | |
| | | | P | O | | 5340-282-7531 | CLAMP, ELECTRICAL: choke cable to bed (179147) ------ | ea | 1 | | |
| | | | P | O | | 5340-282-7544 | CLAMP, ELECTRICAL: loop type (fuel line to bed (1), fuel line pump (1), fuel line to rear bed support (1), fuel line to support bracket (1)) (120522) | ea | 4 | | |
| | | | P | O | | 4730-278-2070 | CLAMP, HOSE: 7/8 in. nom id (engine oil breather) (502912) | ea | 4 | | |
| | | | P | O | | 4730-200-0231 | CLAMP, HOSE: hose to air cleaner (502921) ---------- | ea | 1 | | |
| | | | P | O | | 4730-702-2750 | CLAMP, HOSE: hose to carburetor (96906-35842-3) ----- | ea | 1 | | |
| | | | P | O | | 4730-278-2087 | CLAMP, HOSE: inlet hose to air cleaner (502943) ----- | ea | 2 | | |
| | | | P | O | | 5340-996-3782 | CLIP: fuel return line (Model M274A1) (65909-935855) | ea | 2 | | |
| | | | P | O | | 2910-565-5178 | COCK, DRAIN: (1UE, then use VALVE - 4820-679-1481) (8686942) | ea | 1 | | |
| | | | P | O | | 2540-561-9116 | CONTROL ASSEMBLY: PUSH-PULL: choke (Model M274) (8686901) | ea | 1 | | |
| | | 5 | P | O | | 4730-277-8273 | ELBOW, PIPE TO TUBE: 1/4 in. tube, 1/8 in. male pipe end (carburetor inlet elbow to fuel line and fuel filter outlet) (137421) | ea | 2 | | |
| | | | | | | | ELBOW, PIPE TO TUBE: fuel filter inlet: | | | | |
| | | 5 | P | O | | 4730-278-4721 | Model M274 (79470-352X5) ---------- | ea | 1 | | |
| | | 5 | P | O | | 4730-288-9362 | Model M274A1 (116341) ---------- | ea | 1 | | |
| | | 5 | P | O | | 4730-278-4506 | ELBOW, PIPE TO TUBE: (fuel inlet tee to primer pump tube) | ea | 1 | | |
| | | | P | O | | 2940-698-2839 | GASKET: air inlet tube to cross member (7966799) ---- | ea | 1 | | |
| | | | | | | | HOSE ASSEMBLY, RUBBER: fuel filter to carburetor: | | | | |
| | | | P | O | | 2910-606-9483 | Model M274 (8728146) ---------- | ea | 1 | | |
| | | | P | O | | 2910-996-3823 | Model M274A1 (65909-910290) ---------- | ea | 1 | | |
| | | | P | O | | 2910-678-4661 | HOSE, PREFORMED: air cleaner to carburetor (7045712) | ea | 1 | | |
| | | 11 | P | O | | 5970-238-2239 | INSULATING MATERIAL: choke control ---------- | ft | x | | |
| | | | P | O | | 2590-607-3526 | LINKAGE, RIGID: throttle ball joint (Model M274) (7046972) | ea | 1 | | |
| | | | P | O | | 5310-696-5172 | NUT, ASSEMBLED WASHER: ext-teeth, no. 10-24NC-2B (choke control cable to bed) (271166) | ea | 4 | | |
| | | | P | O | | 5310-012-4818 | NUT: hex, 1/4-20 (idle adjustment) (Model M274A1 only) (124818) | ea | 1 | | |
| | | | P | O | | 5310-012-0622 | NUT, PLAIN, HEXAGON: no. 8-32NC-2B (adjusting throttle link) (120622) | ea | 1 | | |
| | | | P | O | | 5310-012-0614 | NUT, PLAIN, HEXAGON: no. 10-32NF-2B (throttle ball joint rigid linkage) (96906-35650-102) | ea | 1 | | |
| | | | P | O | | 5310-616-1288 | NUT, PLAIN, HEXAGON: 1/4-20UNC-2B (96906-35690-405) | ea | 3 | | |
| | | | P | O | | 5310-616-5005 | NUT, PLAIN, HEXAGON: 1/4-20UNC-2B (accelerator cable to front and center cross member (2), choke control mounting plate to bed (2)) (96906-35690-405) | ea | 4 | | |

| (1) ILLUST | | (2) SOURCE, MAINT AND RECOVERABILITY CODE | | | | (3) | (4) | (5) | (6) | (7) 15-DAY MAINT ALW PER 100 EQUIP | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| (a) FIG NO | (b) ITEM NO | (a) MATERIEL CODE | (b) SOURCE | (c) MAINTENANCE LEVEL | (d) RECOVERABILITY | FEDERAL STOCK NO | DESCRIPTION | UNIT OF ISSUE | QTY INC IN UNIT | (a) 3RD ECH (DIR SUP) | (b) 4TH ECH (GEN SUP) |
| | | | | | | | Fuel System (Non-illustrated Items) – Continued | | | | |
| | | | P | O | | 5310-297-3250 | NUT, PLAIN, HEXAGON: 7/16-20 (choke control) (96906-35690-725) | ea | 1 | | |
| | | | P | O | | 5315-043-5864 | PIN, COTTER: 3/64 x 1/2 in. lg (throttle bellcrank (1), throttle ball joint rigid linkage (1)) (435864) | ea | 2 | | |
| | | | P | O | | 5315-012-1741 | PIN, STRAIGHT, HEADED: return spring to bed (121741) | ea | 1 | | |
| | | | P | O | | 5305-337-2576 | SCREW, CAP, HEXAGON HEAD: 1/4-20UNC-2A x 5/8 in. lg (96906-35291-5) | ea | 3 | | |
| | | | P | O | | 5305-016-0641 | SCREW: choke control plate to bed (96906-35208-71) -- | ea | 2 | | |
| | | | P | O | | 5305-015-9920 | SCREW, MACHINE: pan-hd, no. 10-24NC-2A x 1/2 in. lg (choke control clip to bed) (159920) | ea | 4 | | |
| | | | P | O | | 5305-016-0536 | SCREW, MACHINE: pan-hd, 1/4-20UNC-2A x 5/8 in. lg (accelerator cable to front and center cross member) (160536) | ea | 2 | | |
| | | | P | O | | 5305-016-0541 | SCREW, MACHINE: pan-hd, 1/4-20UNC-2A x 3/4 in. lg (choke control mounting plate to bed) (160541) | ea | 2 | | |
| | | | C | O | | 2540-737-1194 | STOP: accelerator cable screw (2), choke cable (1) (7371194) | ea | 3 | | |
| | | | X2 | O | | 2940-698-2884 | TUBE ASSEMBLY: air cleaner inlet (7966930) ---------- | ea | 1 | | |
| | | | P | O | | 2940-741-8109 | TUBE ASSEMBLY: bulkhead union to carburetor (11.00 in. lg) (Model M274A1 only) (7418109) | ea | 1 | | |
| | | | M | O | | 2910-678-9041 | TUBE ASSEMBLY, METAL: fuel (union to shutoff valve) (7059066) | | 1 | | |
| | | | | | | | Fabricate from: | | | | |
| | | | P | O | | 4730-013-7398 | INVERTED NUT, TUBE COUPLING: (137398) ---------- | ea | 1 | | |
| | | | P | O | | 4730-014-0381 | NUT, TUBE COUPLING: 1/2-20UNC-2B (140381) ------- | ea | 1 | | |
| | | 5 | P | O | | 4710-350-9897 | TUBE, STEEL: (7045639) ---------- | ea | 1 | | |
| | | 5 | P | O | | 4730-278-8887 | UNION: fuel line (137414) ---------- | ea | 1 | | |
| | | | P | O | | 4820-679-1481 | VALVE, PLUG: (use only after stock of DRAIN COCK – 2910-565-5178 is exhausted) (7092338) | ea | 1 | | |
| | | | P | O | | 5310-044-6130 | WASHER, FLAT: no. 10 screw size (throttle ball joint rigid linkage) (446130) | ea | 1 | | |
| | | | P | O | | 5310-194-1540 | WASHER, FLAT: 9/32 id, 5/8 od, 0.065 in. thk (choke control plate to bed) (96906-15795-210) | ea | 2 | | |
| | | | P | O | | 5310-044-6188 | WASHER, FLAT: 17/64 id, 5/8 od, 0.049 in. thk (throttle bellcrank) (446188) | ea | 1 | | |
| | | | P | O | | 5310-013-8479 | WASHER, LOCK: ext-teeth, no. 10 screw size (throttle ball joint rigid linkage) (Model M274) (138479) | ea | 1 | | |
| | | | P | O | | 5310-012-1801 | WASHER, LOCK: int-teeth, no. 10 screw size (link assy to carburetor) (96906-35333-22) | ea | 2 | | |
| | | | P | O | | 5310-013-1718 | WASHER, LOCK: int-teeth, 3/8 in. bolt size (choke control assy) (96906-35333-26) | ea | 1 | | |
| | | | P | O | | 5310-582-5965 | WASHER, LOCK: split, 1/4 in. bolt size (96906-35338-44) | ea | 3 | | |
| | | | P | O | | 5310-582-5965 | WASHER, LOCK: split, 1/4 in. bolt size (choke control mounting plate to bed (2), accelerator cable to front and center cross member (2)) (96906-35338-44) | ea | 4 | | |

| (1) ILLUST | | (2) SOURCE, MAINT AND RECOVERABILITY CODE | | | | (3) | (4) | (5) | (6) | (7) 15-DAY MAINT ALW PER 100 EQUIP | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| (a) FIG NO | (b) ITEM NO | (a) MATERIAL CODE | (b) SOURCE | (c) MAINTENANCE LEVEL | (d) RECOVERABILITY | FEDERAL STOCK NO | DESCRIPTION | UNIT OF ISSUE | QTY INC IN UNIT | (a) 3RD ECH (DIR SUP) | (b) 4TH ECH (GEN SUP) |
| | | | | | | | Primer Pump and Associated Parts (fig. 12) | | | | |
| 12 | 1 | | P | O | | 5355-770-0819 | KNOB: plunger (7700819) | ea | 1 | | |
| | 3 | | P | O | | 5330-141-7470 | RETAINER, PACKING: (5245640) | ea | 1 | | |
| | 4 | | C | O | | 2910-360-3674 | PACKING: plunger (5245641) | ea | 2 | | |
| | 8 | | P | O | | 5310-524-5634 | WASHER, FLAT: 3/32 id, 0.351 in. od (5245634) | ea | 1 | | |
| | 9 | | C | O | | 5340-496-1910 | CUP, COMPRESSION: (7037062) | ea | 1 | | |
| | 10 | | C | O | | 5310-741-7590 | WASHER, FLAT: (7417590) | ea | 1 | | |
| | 12 | | P | O | | 5310-524-5643 | NUT, PLAIN, HEXAGON: (5245643) | ea | 2 | | |
| | 14 | | P | O | | 2910-360-3673 | GASKET: (5245645) | ea | 1 | | |




NON-SUPPLY ITEMS

2 – BUSHING
5 – BONNET
6 – WASHER
7 – PLUNGER
11 – SEAT
13 – BODY
18 – PLUG
19 – SEAT
23 – CONNECTOR (137404)
25 – SEAT
27 – ELBOW (Model M274A1) (9409927)
28 – VALVE (Model M274A1) (65909-924075)
29 – ELBOW (137419)
31 – ELBOW (Model M274)

Figure 12. Primer pump and associated parts – exploded view.

| (1) ILLUST | | (2) SOURCE, MAINT AND RECOVERABILITY CODE | | | | (3) | (4) | (5) | (6) | (7) 15-DAY MAINT ALW PER 100 EQUIP | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| (a) FIG NO | (b) ITEM NO | (a) MATERIEL CODE | (b) SOURCE | (c) MAINTENANCE LEVEL | (d) RECOVERABILITY | FEDERAL STOCK NO | DESCRIPTION | UNIT OF ISSUE | QTY INC IN UNIT | (a) 3RD ECH (DIR SUPT | (b) 4TH ECH (GEN SUPT |
| 12 | 15 | | P | O | | 2910-360-3676 | STRAINER ELEMENT, SEDIMENT: (7033655) ---------- | ea | 1 | | |
| | 16 | | P | O | | 2910-360-3670 | DIAPHRAGM: (5245651) ---------- | ea | 1 | | |
| | 17 | | P | O | | 2910-597-0290 | SPRING, HELICAL, COMPRESSION: (8376466) ---------- | ea | 1 | | |
| | 20 | | P | O | | 2910-360-3677 | SPRING, HELICAL, COMPRESSION: (5245638) ---------- | ea | 1 | | |
| | 21 | | P | O | | 4730-524-5639 | PLUG, MACHINE THREAD: (5245639) ---------- | ea | 1 | | |
| | 22 | | P | O | | 3110-151-9127 | BALL, BEARING: (147483) ---------- | ea | 2 | | |
| | 24 | | P | O | | 2910-328-9602 | CONNECTOR: inlet (7097381) ---------- | ea | 1 | | |
| | 26 | | P | O | | 5340-703-3656 | SPRING: inlet connector (7033656) ---------- | ea | 1 | | |
| | 30 | | P | O | | 4730-709-7382 | CONNECTOR: outlet (5245655) ---------- | ea | 1 | | |
| | | | | | | | NON-ILLUSTRATED ITEMS | | | | |
| | | | P | O | | 5306-012-2007 | BOLT, MACHINE, HEXAGON HEAD: 5/16-18UNC-2A x 3/4 in. lg (primer pump mounting bracket to bed) (Model M274 only) (122007) | ea | 2 | | |
| | | | C | O | | 4730-317-3893 | NOZZLE: assy (7053669) ---------- | ea | 1 | | |
| | | | P | O | | 5310-012-0376 | NUT, PLAIN, HEXAGON: 5/16-18UNC-2B (primer pump mounting bracket to bed) (Model M274 only) (96906-35690-505) | ea | 2 | | |
| | | | P | O | | 2910-066-8870 | TUBE ASSEMBLY: primer pump to manifold (65909-934206) | ea | 1 | | |
| | | | P | O | | 2910-066-8869 | TUBE ASSEMBLY: tee to primer pump (65909-934198) ---- | ea | 1 | | |
| | | | | | | 2910-610-3281 | TUBE, METAL: preformed (fuel primer to manifold) (Model M274) (94537-917456) | | 1 | | |
| | | 5 | P | O | | 4710-200-0298 | fabricate from: TUBE, STEEL: (Model M274) (80244-44-T-5319-52) -- | ft | : | | |
| | | | P | O | | 5310-013-8485 | WASHER, LOCK: ext-teeth, 5/16 in. bolt size (primer pump mounting bracket to bed) (Model M274 only) (138485) | ea | 2 | | |
| | | | P | O | | 5330-171-6983 | WASHER, NONMETALLIC: leather (Model M274 only) (8376465) | ea | 1 | | |

| (1) ILLUST | | (2) SOURCE, MAINT AND RECOVERABILITY CODE | | | | (3) | (4) | (5) | (6) | (7) 15-DAY MAINT ALW PER 100 EQUIP | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| (a) FIG NO | (b) ITEM NO | (a) MATERIEL CODE | (b) SOURCE | (c) MAINTENANCE LEVEL | (d) RECOVERABILITY | FEDERAL STOCK NO | DESCRIPTION | UNIT OF ISSUE | QTY INC IN UNIT | (a) 3RD ECH (DIR SUP) | (b) 4TH ECH (GEN SUP) |
| | | | | | | | Electrical System (fig. 13) | | | | |
| 13 | 1 | | P | O | | 5305-285-3952 | SCREW, MACHINE: fil-hd, no. 8-32NC-2A x 3/8 in. lg (453804) | ea | 1 | | |
| | 2 | | P | O | | 6220-538-1088 | LEVER: ignition switch (5381088) ---------- | ea | 1 | | |
| | 3 | | P | O | | 5310-045-3813 | WASHER, LOCK: int-teeth, 1/2 in. bolt size (453813) - | ea | 1 | | |
| | 4 | | P | O | | 5935-833-8561 | SHELL, ELECTRICAL CONNECTOR: male (8338561) ---------- | ea | 2 | | |
| | 5 | | P | O | | 2920-713-3768 | LEAD, ELECTRICAL: ignition switch to magneto (7045755) | ea | 1 | | |
| | 6 | | P | O | | 5340-543-3038 | CLIP, SPRING TENSION: fastener (ignition ground cable to front cross member (1) and ignition magneto cable to bed (7)) (432682) | ea | 8 | | |
| | 7 | | P | O | | 6145-772-0853 | WIRE, ELECTRICAL: no. 14 AWG, 12-3/4 in. lg (7720853) | ea | * | | |
| | 8 | | P | O | | 5930-699-9438 | SWITCH, ROTARY: ignition (8380699) ---------- | ea | 1 | | |
| | 9 | | P | O | | 5310-655-9371 | NUT, PLAIN, HEXAGON: 1/2-20UNF-2B (96906-35690-825) - | ea | 1 | | |
| | 10 | | P | O | | 5310-045-3299 | WASHER, LOCK: split, no. 8 screw size (96906-35338-42) | ea | 1 | | |
| | | | | | | | NON-ILLUSTRATED ITEMS | | | | |
| | | | P | O | | 5970-833-8562 | INSULATOR BUSHING: shell connector (ignition switch ground lead) (8338562) | ea | 1 | | |
| | | | P | O | | 5310-012-0361 | NUT, PLAIN, HEXAGON: no. 10-24NC-2B (ground terminal to cross sill) (96906-35649-102) | ea | 1 | | |
| | | | P | O | | 5305-015-9920 | SCREW, MACHINE: cross-recess-pan-hd, no. 10-24NC-2A x 1/2 in. lg (ground terminal to cross sill) (159920) | ea | 1 | | |
| | | | P | O | | 5940-399-6676 | TERMINAL, LUG: crimped, female (ignition switch ground lead) (8338564) | ea | 1 | | |
| | | | P | O | | 5940-705-6708 | TERMINAL LUG: no. 10 or 14 AWG multi-conditioning cable (ignition switch ground lead) (7056708) | ea | 1 | | |
| | | | P | O | | 5310-017-4916 | WASHER, LOCK: int-teeth, 1/4 in. screw size (ground terminal to cross sill) (174916) | ea | 1 | | |

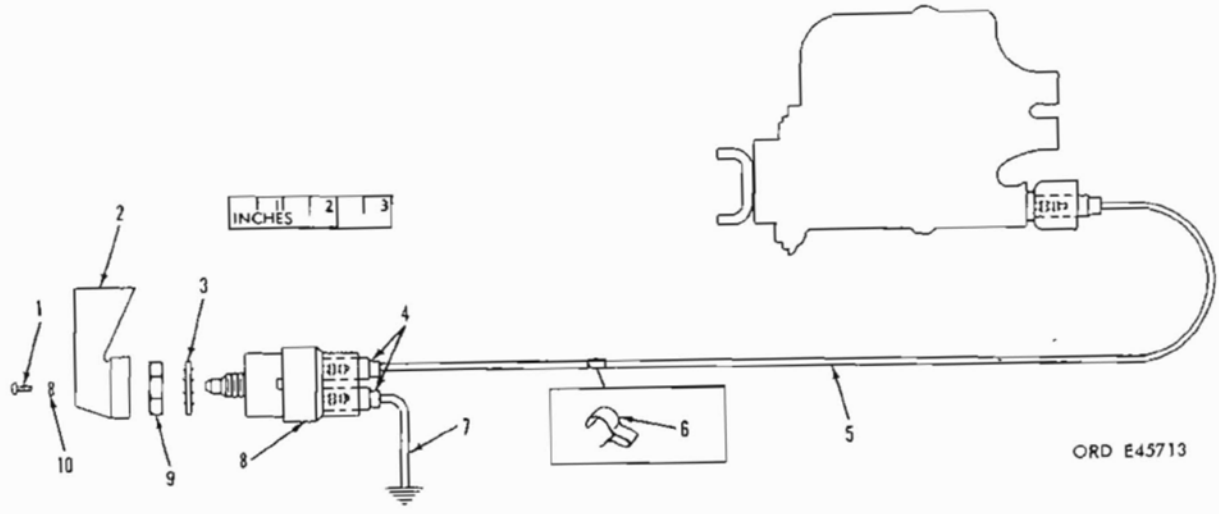
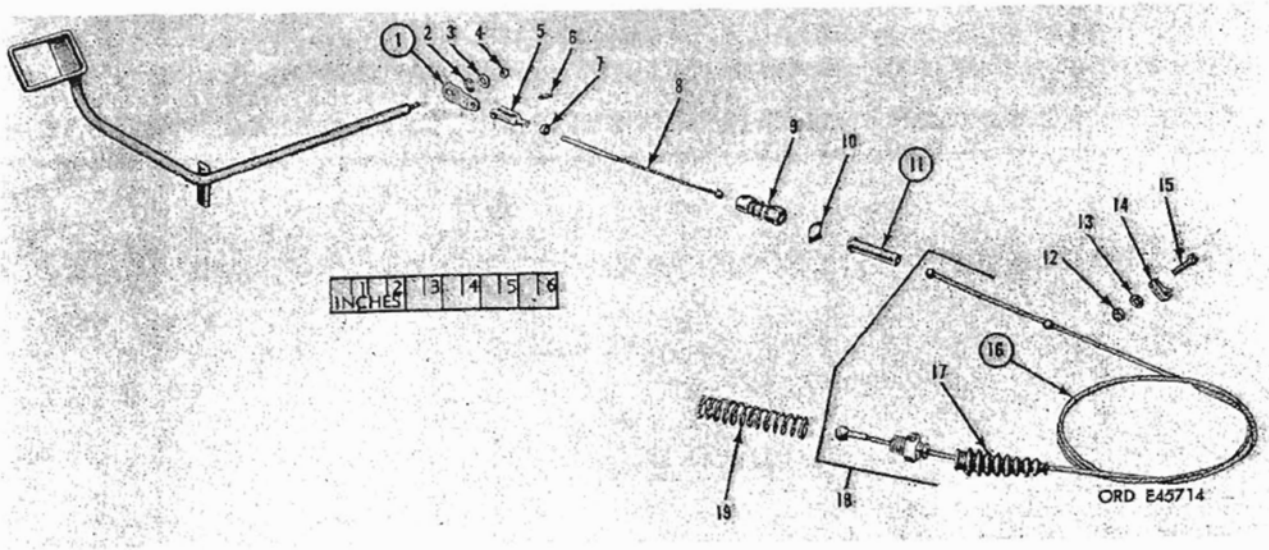



Figure 13. Electrical system.

| (1) ILLUST | | (2) SOURCE, MAINT AND RECOVERABILITY CODE | | | | (3) FEDERAL STOCK NO | (4) DESCRIPTION | (5) UNIT OF ISSUE | (6) QTY INC IN UNIT | (7) 15-DAY MAINT ALW PER 100 EQUIP | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| (a) FIG NO | (b) ITEM NO | (a) MATERIEL CODE | (b) SOURCE | (c) MAINTENANCE CODE LEVEL | (d) RECOVERABILITY | | | | | (a) 3RD ECH (DIR SUP) | (b) 4TH ECH (GEN SUP) |
| | | | | | | | Clutch Pedal Associated Parts (fig. 14) | | | | |
| 14 | 2 | | P | O | | 5310-012-0214 | WASHER, LOCK: split, 5/16 in. screw size (Model M274 only) (96906-35338-26) | ea | 1 | | |
| | 3 | | P | O | | 5310-616-3023 | WASHER, FLAT: 5/16 in. screw size (96906-15795-212) | ea | 2 | | |
| | 4 | | P | O | | 5310-012-0368 | NUT, PLAIN, HEXAGON: 5/16-24UNF-2B (Model M274) (96906-35690-525) | ea | 1 | | |
| | 4 | | P | F | | 5310-044-2826 | NUT, SELF-LOCKING, HEXAGON: 5/16-24UNF-2B (Model M274A1) (442826) | ea | 1 | | |
| | 5 | | P | O | | 5340-550-8087 | CLEVIS, ROD END: (116383) | ea | 1 | | |
| | 6 | | P | O | | 5315-561-9136 | PIN, SPRING: 1/4 x 5/8 in. lg (7380079) | ea | 1 | | |
| | 7 | | P | O | | 5310-012-0367 | NUT, PLAIN, HEXAGON: 1/4-28UNF-2B (96906-35690-425) | ea | 1 | | |
| | 8 | | P | O | | 2520-587-1407 | LINKAGE, FLEXIBLE: clutch (7055672) | ea | 1 | | |
| | 9 | 55 | P | O | | 4030-698-3241 | COUPLING, WIRE ROPE, QUICK DISCONNECT: (7966855) | ea | 1 | | |
| | 10 | | P | O | | 5310-562-8655 | PUSH-ON NUT: (7380081) | ea | 1 | | |
| | 12 | | P | O | | 5310-616-1288 | NUT, PLAIN, HEXAGON: 1/4-20UNC-2B (96906-35690-405) | ea | 1 | | |
| | 13 | | P | O | | 5310-012-1637 | WASHER, LOCK: split, 1/4 in. bolt size (96906-35337-25) | ea | 1 | | |
| | 14 | | P | O | | 5340-282-7542 | CLAMP, ELECTRICAL: (120521) | ea | 1 | | |
| | 15 | | P | O | | 5305-059-7931 | SCREW, MACHINE: 1/4-20UNC x 5/8 in. lg (96906-35208-70) | ea | 1 | | |
| | 17 | | P | O | | 2520-632-4057 | BELLOWS, RUBBER: molded (7044900) | ea | 1 | | |
| | 18 | | P | F | | 2590-697-4423 | CABLE ASSEMBLY: rear (7966934) | ea | 1 | | |
| | 19 | | P | F | | 2520-697-4326 | SPRING, HELICAL, COMPRESSION: (7966853) | ea | 1 | | |




NON-SUPPLY ITEMS

1 – LEVER (7966615) 11 – TUBE (8336068) 16 – CABLE (No Number)

Figure 14. Clutch pedal associated parts – exploded view.

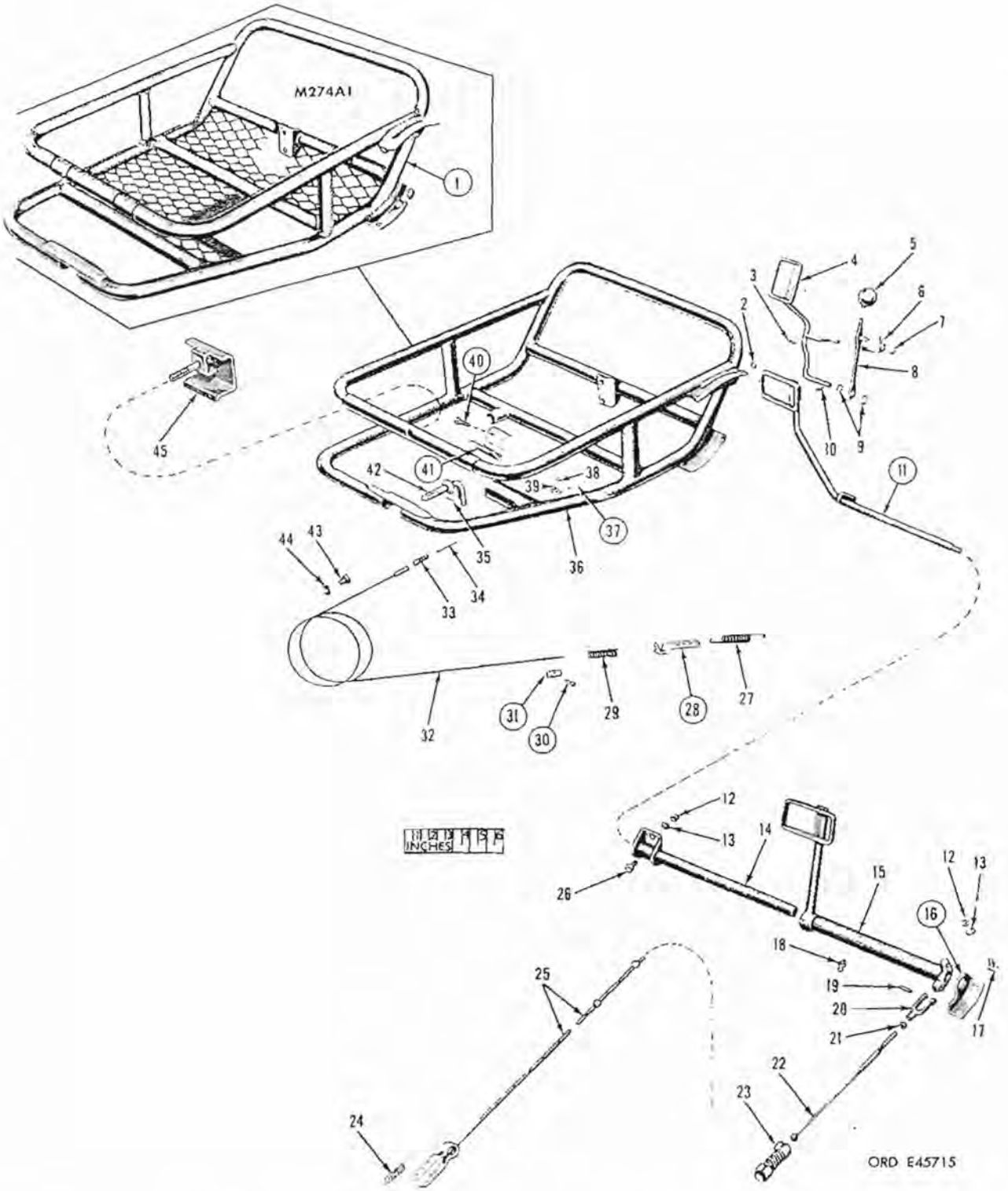



Figure 15. Footrest, brake controls, and associated parts — exploded view.

| (1) ILLUST | | (2) SOURCE, MAINT AND RECOVERABILITY CODE | | | | (3) | (4) | (5) | (6) | (7) 15-DAY MAINT ALW PER 100 EQUIP | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| (a) FIG NO | (b) ITEM NO | (a) MATERIEL CODE | (b) SOURCE | (c) MAINTENANCE LEVEL | (d) RECOVERABILITY | FEDERAL STOCK NO | DESCRIPTION | UNIT OF ISSUE | QTY INC IN UNIT | (a) 3RD ECH (DIR SUPT) | (b) 4TH ECH (GEN SUPT) |
| | | | | | | | Footrest, Brake Controls, and Associated Parts (fig. 15) | | | | |
| 15 | 2 | | P | O | | 5310-655-9587 | WASHER, FLAT: no. 10 screw size (throttle control cable) (96906-15795-208) | ea | 1 | | |
| | 3 | | P | O | | 5315-013-8082 | PIN, STRAIGHT, HEADED: 3/16 x 31/64 in. lg (Model M274 only) (138082) | ea | 1 | | |
| | 4 | | | | | | PEDAL ASSEMBLY: accelerator: | | | | |
| | | | P | O | | 2540-697-3672 | Model M274 (7966664) | ea | 1 | | |
| | | | P | O | | 2540-996-7280 | Model M274A1 (65909-922919) | ea | 1 | | |
| | 5 | | P | O | | 5355-741-1761 | KNOB: throttle lever (7696491) | ea | 1 | | |
| | 6 | | P | O | | 5340-698-4387 | CLIP, SPRING TENSION: throttle lever (7966773) | ea | 1 | | |
| | 7 | | P | O | | 5310-655-6687 | NUT, SELF-LOCKING, HEXAGON: 5/16-24UNF-3B (96906-20365-524C) | ea | 1 | | |
| | 8 | | P | O | | 2590-697-3989 | LEVER ASSEMBLY: hand throttle (7966772) | ea | 1 | | |
| | 9 | | P | O | | 5310-582-5977 | WASHER, FLAT: 3/8 in. screw size (96906-15795-214) | ea | 2 | | |
| | 10 | | P | O | | 5315-012-1222 | PIN, COTTER: 3/32 x 3/4 in. lg (121222) | ea | 1 | | |
| | 12 | | P | O | | 5310-012-0368 | NUT, PLAIN, HEXAGON: 5/16-24UNF-2B (96906-35690-525) | ea | 4 | | |
| | 13 | | P | O | | 5310-012-0214 | WASHER, LOCK: 5/16 in. screw size (96906-35338-26) | ea | 4 | | |
| | 14 | | P | O | | 2530-561-9122 | BRACKET AND BUSHING ASSEMBLY: brake pedal (7966939) | ea | 1 | | |
| | 15 | | P | O | | 2530-679-6475 | PEDAL AND SHAFT: brake, assy (7045694) | ea | 1 | | |
| | 17 | | P | O | | 5306-637-9721 | SCREW, CAP, HEXAGON HEAD: 5/16-24UNF-2A x 11/16 in. lg (123480) | ea | 2 | | |
| | 18 | | P | O | | 4730-050-4203 | FITTING, LUBRICATION: 1/4-28NF-2 (96906-15001-1) | ea | 1 | | |
| | 19 | | P | O | | 5315-561-9136 | PIN, SPRING: front service brake cable (7380079) | ea | 1 | | |
| | 20 | | P | O | | 5340-550-8087 | CLEVIS, ROD END: adj, 1/4-28UNF-2B (116383) | ea | 1 | | |
| | 21 | | P | O | | 5310-012-0367 | NUT, PLAIN, HEXAGON: 1/4-28UNF-2B (96906-35690-425) | ea | 1 | | |
| | 22 | | P | O | | 2590-697-4376 | LINKAGE, FLEXIBLE: service brake control, assy (front) (7966497) | ea | 1 | | |
| | 23 | 55 | P | O | | 4030-698-3241 | COUPLING, WIRE ROPE, QUICK DISCONNECT: service brake (7966855) | ea | 1 | | |
| | 24 | | C | O | | 2530-737-1011 | SPRING: retracting (7371011) | ea | 1 | | |
| | 25 | | | | | | LINKAGE, FLEXIBLE: assy (rear): | | | | |
| | | | P | O | | 2590-561-9123 | Model M274 (7966938) | ea | 1 | | |
| | | | P | O | | 2530-953-4875 | Model M274A1 (65909-923506) | ea | 1 | | |
| | 26 | | P | O | | 5306-559-0474 | BOLT, MACHINE: hex-hd, 5/16-24UNF-2A x 3/4 in. lg (96906-35292-32) | ea | 2 | | |
| | 27 | | | | | | SPRING, HELICAL, EXTENSION: | | | | |
| | | | P | O | | 2540-697-3854 | Model M274 (7966651) | ea | 1 | | |
| | | | P | O | | 2530-621-6404 | Model M274A1 (641727) | ea | 1 | | |
| | 29 | | P | O | | 2540-606-9478 | SPRING, HELICAL, COMPRESSION: (7049713) | ea | 2 | | |
| | 32 | | P | O | | 2590-996-7283 | CONTROL CABLE: throttle (rear) (65909-925099) | ea | 1 | | |
| | 33 | | P | O | | 2590-697-3704 | CONNECTOR, QUICK DISCONNECT: throttle control cable (7966665) | ea | 1 | | |
| | 34 | | | | | | CONTROL CABLE: throttle (front): | | | | |
| | | | P | O | | 2540-698-6703 | Model M274 (7966825) | ea | 1 | | |
| | | | P | O | | 2590-996-7282 | Model M274A1 (65909-925098) | ea | 1 | | |
| | 35 | | P | O | | 5315-058-6085 | PIN, SPRING: 0.125 x 7/8 in. lg (96906-9048-104) | ea | 1 | | |
| | 36 | | X2 | O | R | 2510-508-2273 | FOOTREST ASSEMBLY: (Model M274) (7966715) | ea | 1 | | |
| | 38 | | P | O | | 5305-582-5626 | SCREW, TAPPING, THREAD FORMING: pan-hd, no. 10 x 3/8 in. lg (Model M274 only) (163210) | ea | 1 | | |
| | 39 | | P | O | | 5340-291-3635 | CLIP: throttle control cable to footrest (1), throttle cable to bed (1), choke control cable to bed (4) (Model M274 only) (120520) | ea | 6 | | |
| | 42 | | P | O | | 2540-606-9480 | BOLT: footrest clamping (8336288) | ea | 1 | | |
| | 43 | | P | O | | 2910-587-1429 | BUSHING, SLEEVE: (8336159) | ea | 1 | | |
| | 44 | | P | O | | 5310-044-5176 | NUT, SHEET SPRING: (445176) | ea | 1 | | |

NON-SUPPLY ITEMS

1 — FOOTREST ASSY (Model M274A1) (65909-962149)
11 — PEDAL ASSY:
MODEL M274 (7966613)
MODEL M274A1 (65909-933626)
16 — SUPPORT (7966935)
28 — LINK:
MODEL M274 (94537-914869)
MODEL M274A1 (65909-927289)
30 — SCREW (153411)
31 — BLOCK (65909-927287)
37 — CONDUIT (Model M274 only) (94537-906843)
40 — SCREW (Model M274 only) (24617-9404740)
41 — CLIP (Model M274 only) (908482)

| (1) ILLUST (a) FIG NO | (1) ILLUST (b) ITEM NO | (2) SOURCE, MAINT AND RECOVERABILITY CODE (a) MATERIEL CODE | (b) SOURCE | (c) MAINTENANCE LEVEL | (d) RECOVERABILITY | (3) FEDERAL STOCK NO | (4) DESCRIPTION | (5) UNIT OF ISSUE | (6) QTY INC IN UNIT | (7) 15-DAY MAINT ALW PER 100 EQUIP (a) 3RD ECH (DIR SUP) | (7) 15-DAY MAINT ALW PER 100 EQUIP (b) 4TH ECH (GEN SUP) |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 15 | 45 | | P | O | | 2540-953-4868 | BRACKET AND CLAMP SCREW ASSEMBLY: (Model M274A1 only) (65909-962139) | ea | 1 | | |
| | | | | | | | NON-ILLUSTRATED ITEMS | | | | |
| | | | P | O | | 2590-996-7285 | BOOT: throttle cable (Model M274A1 only) (65909-934223) | ea | 1 | | |
| | | | P | O | | 4730-954-1251 | CLAMP: throttle cable boot, 1/2 in. (Model M274A1 only) (65909-934245) | ea | 1 | | |
| | | | P | O | | 4730-834-3987 | CLAMP: throttle cable boot, 3/4 in. (Model M274A1 only) (65909-934406) | ea | 1 | | |
| | | | P | O | | 5310-012-0376 | NUT, PLAIN, HEXAGON: 5/16-18UNC-2B (footrest stowage bracket) (96906-35690-505) | ea | 4 | | |
| | | | P | O | | 5310-616-3023 | WASHER, FLAT: 5/16 id, 3/4 od, 0.065 in. thk (footrest stowage bracket) (96906-15795-212) | ea | 4 | | |
| | | | P | O | | 5310-954-1240 | WASHER, FLAT: footrest clamp screw (Model M274A1 only) (65909-955606) | ea | 1 | | |
| | | | | | | | Steering Wheel and Column Assembly (fig. 16) | | | | |
| 16 | 1 | | C | O | | 2530-737-5336 | STEERING WHEEL: (7375336) | ea | 1 | | |
| | 2 | | C | F | | 2530-769-6370 | SPRING, HELICAL COMPRESSION: (7696370) | ea | 1 | | |
| | 3 | | C | P | | 2530-511-1732 | BEARING: steering column (8677346) | ea | 1 | | |
| | 4 | | P | F | | 2530-709-5905 | STEERING COLUMN: assy (Model M274) (7045743) | ea | 1 | | |
| | 5 | | P | F | | 2530-953-4880 | STEERING COLUMN: assy (Model M274A1) (65909-933838) | ea | 1 | | |
| | 6 | | P | F | | 2530-953-4857 | SADDLE CLAMP AND PIN: (Model M274A1 only) (65909-933835) | ea | 1 | | |
| | 9 | | P | O | | 5305-042-5859 | BOLT, ASSEMBLED WASHER: hex-hd, int-teeth lockwasher, 3/8-24UNF-2A x 1.00 in. lg (Model M274 only) (425859) | ea | 1 | | |
| | 10 | | P | F | | 5310-587-1442 | WASHER, FLAT: thrust (8716940) | ea | 2 | | |
| | 11 | | P | O | | 2530-508-2363 | COUPLING AND SHAFT ASSEMBLY: (7966752) | ea | 1 | | |
| | 12 | | P | O | | 5315-594-0194 | PIN, SPRING: (96906-9048-164) | ea | 1 | | |
| | 15 | | P | O | | 5315-842-3651 | PIN, COTTER: 3/32 x 5/8 in. lg (96906-24665-295) | ea | 2 | | |
| | 16 | | P | O | | 5315-587-1445 | PIN, STRAIGHT, HEADED: clevis, special shaft to anchor bracket (7760076) | ea | 1 | | |
| | 17 | | X2 | O | | 2530-587-1411 | CLEVIS: (7760075) | ea | 1 | | |
| | 18 | | P | O | | 2530-698-6590 | SHAFT: steering tube, inner brace (7966822) | ea | 1 | | |
| | 19 | | P | O | | 5355-587-1448 | KNOB: brace, steering column (7760065) | ea | 1 | | |
| | 20 | | P | O | | 2530-697-4424 | BRACE: shaft tube, steering support (7966818) | ea | 1 | | |
| | 21 | | P | O | | 5315-587-1446 | PIN, STRAIGHT, HEADED: (7760077) | ea | 1 | | |
| | 22 | | P | O | | 5310-582-5977 | WASHER, FLAT: 13/32 id, 13/16 od, 0.065 in thk (96906-15795-214) | ea | 1 | | |
| | 23 | | C | F | | 2530-359-1823 | RETAINER: column bearing (7696348) | ea | 1 | | |
| | 25 | | | | | | NUT, SLEEVE: retaining (steering wheel): | | | | |
| | | | C | O | | 5310-741-2579 | Model M274 (7412579) | ea | 1 | | |
| | | | C | O | | 5310-954-1241 | Model M274A1 (7760061) | ea | 1 | | |

NON-SUPPLY ITEMS

7 — NUT (8764609)
8 — WASHER (96906-35335-20)
13 — SHAFT (8716938)
14 — COUPLING (8716939)
24 — COLUMN AND WHEEL ASSY:
MODEL M274
MODEL M274A1 (65909-933834)

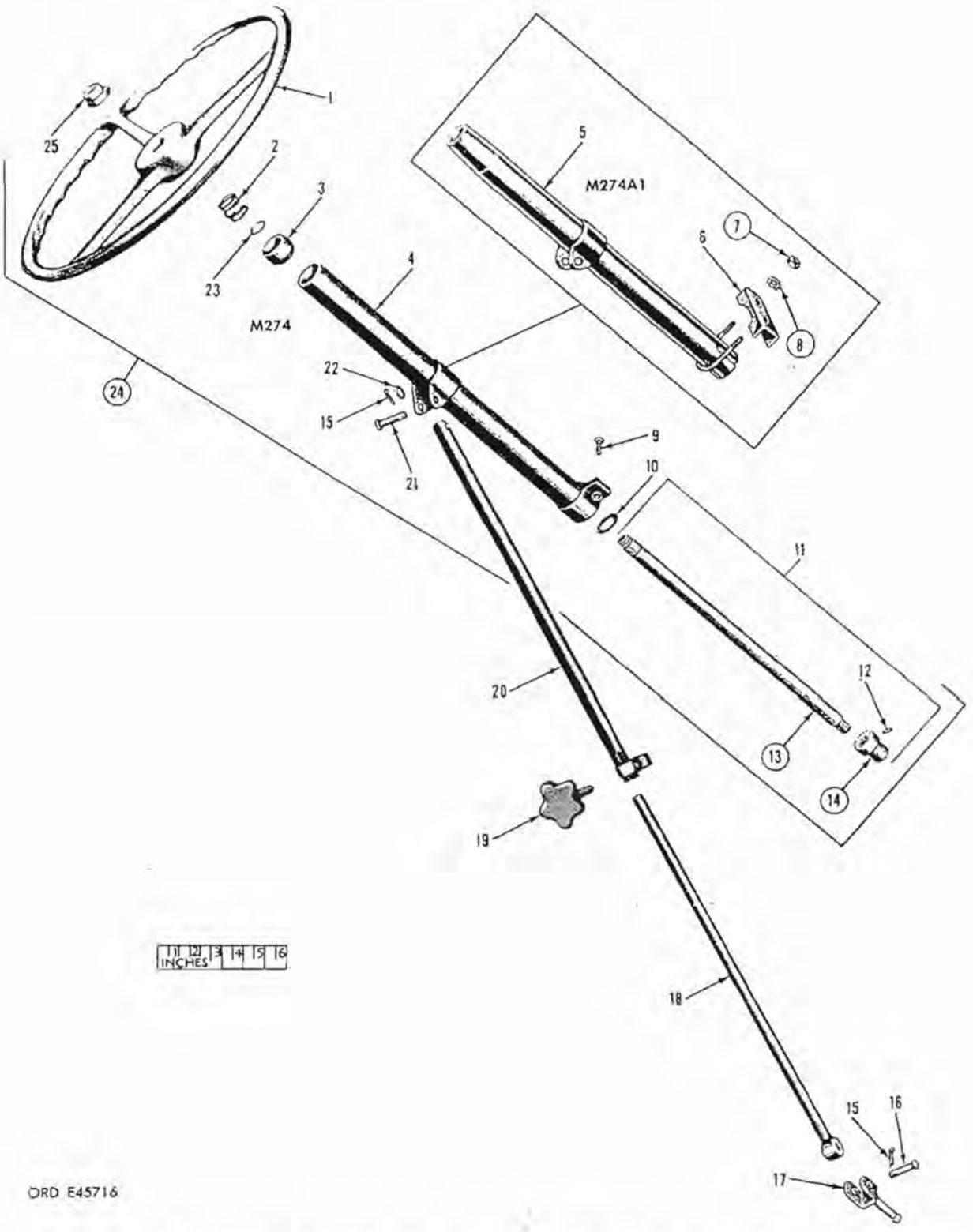
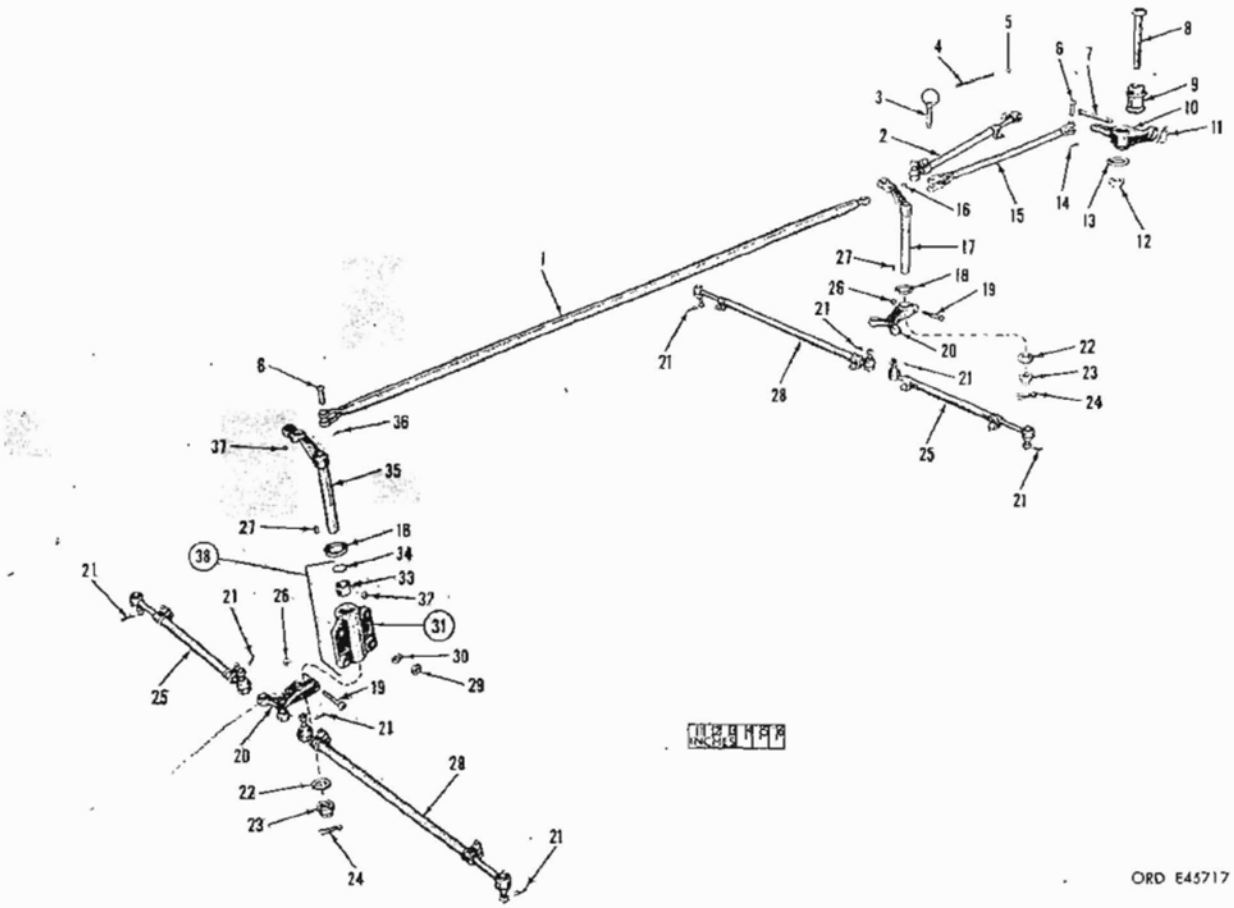



Figure 16. Steering wheel and column assembly - exploded view.

| (1) ILLUST | | (2) SOURCE, MAINT AND RECOVERABILITY CODE | | | | (3) | (4) | (5) | (6) | (7) 15-DAY MAINT ALW PER 100 EQUIP | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| (a) FIG NO | (b) ITEM NO | (a) MATERIEL CODE | (b) SOURCE | (c) MAINTENANCE LEVEL | (d) RECOVERABILITY | FEDERAL STOCK NO | DESCRIPTION | UNIT OF ISSUE | QTY INC IN UNIT | (a) 3RD ECH (DIR SUP) | (b) 4TH ECH (GEN SUP) |
| | | | | | | | Steering Linkage (fig. 17) | | | | |
| 17 | 1 | | X2 | O | R | 2530-588-0007 | ROD, STEERING: connecting, front to rear upper bell-crank steering arm (8336209) | ea | 1 | | |
| | 2 | | | | | | DRAG LINK, STEERING: (Refer to fig. 20 for component parts): | | | | |
| | | | P | O | R | 2530-697-4385 | Model M274 (7966814) | ea | 1 | | |
| | | | P | O | R | 2530-953-4866 | Model M274A1 (65909-923706) | ea | 1 | | |
| | 3 | | | | | | PIN, QUICK RELEASE: | | | | |
| | | | P | O | | 5340-588-0022 | Model M274 (8716941) | ea | 1 | | |
| | | | P | O | | 5340-954-1249 | Model M274A1 (65909-928177) | ea | 1 | | |
| | 4 | 55 | P | O | | 4010-281-1678 | CHAIN: (8336287) | ft | * | | |

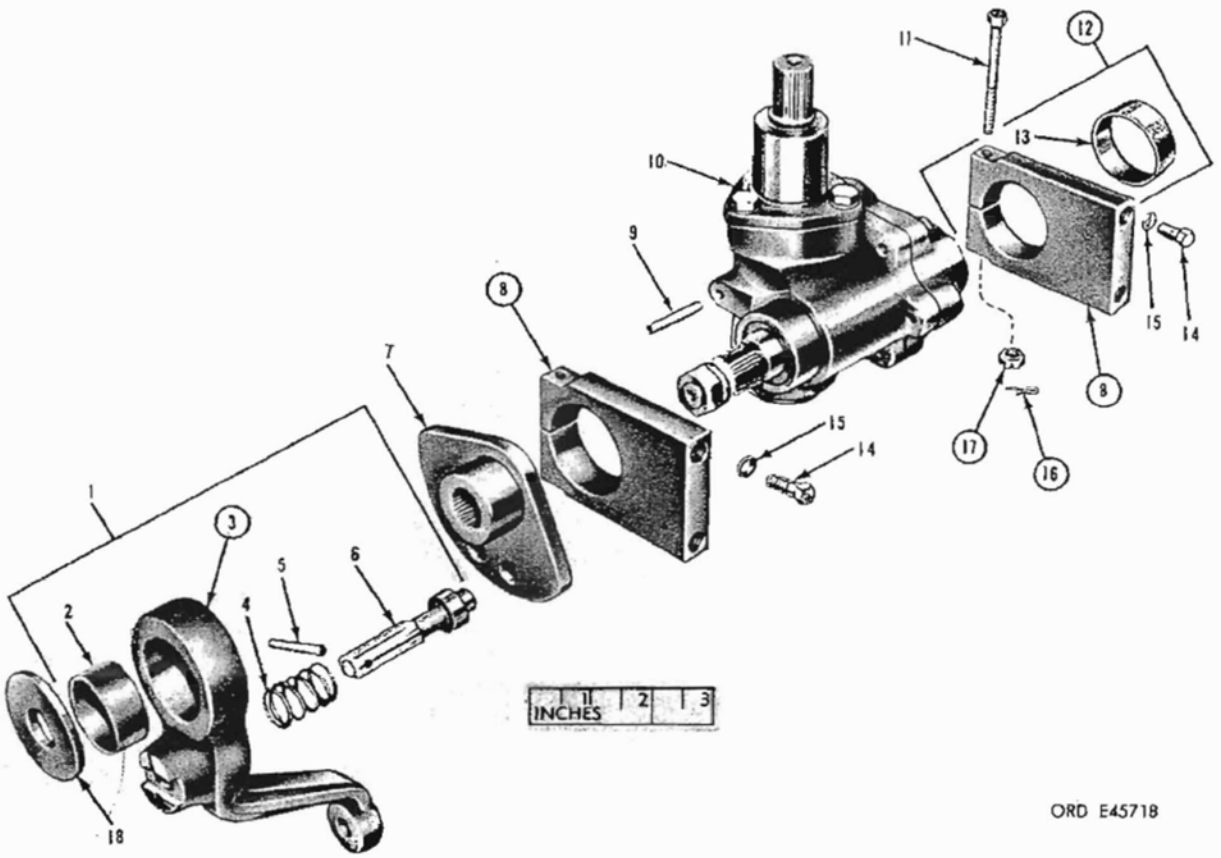



NON-SUPPLY ITEMS

31 — BRACKET (8336165)
38 — BRACKET ASSY (8336172)

Figure 17. Steering linkage — exploded view.

| (1) ILLUST | | (2) SOURCE, MAINT AND RECOVERABILITY CODE | | | | (3) FEDERAL STOCK NO | (4) DESCRIPTION | (5) UNIT OF ISSUE | (6) QTY INC IN UNIT | (7) 15-DAY MAINT ALW PER 100 EQUIP | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| (a) FIG NO | (b) ITEM NO | (a) MILITARY USE CODE | (b) SOURCE | (c) MAINTENANCE LEVEL | (d) RECOVERABILITY | | | | | (a) 3RD ECH (DIR SUP) | (b) 4TH ECH (GEN SUP) |
| 17 | 5 | | P | O | | 5305-014-5371 | SCREW, DRIVE: no. 2 x 1/4 in. lg (145371) | ea | 1 | | |
| | 6 | | P | O | | 5315-013-8086 | PIN, STRAIGHT, HEADED: (138086) | ea | 3 | | |
| | 7 | | P | O | | 5915-753-3639 | PIN, STRAIGHT, HEADED: (7045670) | ea | 1 | | |
| | 8 | | P | O | | 5305-550-0734 | SCREW, CAP, HEXAGON HEAD: 3/4-16UNF-2A x 5-1/2 in. lg (96906-35304-200) | ea | 1 | | |
| | 9 | | P | F | | 2540-561-9107 | BEARING, SLEEVE: bellcrank tow bar (7966196) | ea | 1 | | |
| | 10 | | P | O | | 2540-508-2365 | BELLCRANK: tow bar (8336045) | ea | 1 | | |
| | 11 | | P | O | | 5315-290-1350 | CLIP: (8332074) | ea | 1 | | |
| | 12 | | P | O | | 5310-044-3358 | NUT, SELF-LOCKING, HEXAGON: 3/4-16UNF-2B (7966195) | ea | 1 | | |
| | 13 | | P | O | | 5310-013-1000 | WASHER, FLAT: 13/16 id, 2 od, 0.148 in. thk (131000) | ea | 1 | | |
| | 14 | | P | O | | 5315-013-7180 | PIN, COTTER: 1/8 x 7/8 in. lg (137180) | ea | 3 | | |
| | 15 | | X2 | O | R | 2540-588-0008 | ROD, STEERING: tow bar, drag link (8336222) | ea | 1 | | |
| | 16 | | P | O | | 4730-050-4203 | FITTING, LUBRICATION: (96906-15001-1) | ea | 1 | | |
| | 17 | | | | | | ARM: steering, bellcrank (upper front): | | | | |
| | | | P | O | | 2530-561-9121 | Model M274 (7966726) | ea | 1 | | |
| | | | P | O | | 2530-953-4872 | Model M274A1 (65909-933803) | ea | 1 | | |
| | 18 | | P | O | | 5310-588-0021 | WASHER, RECESSED: bellcrank arm, front (3), steering bellcrank arm, rear (2) (8336163) | ea | 5 | | |
| | 19 | | P | O | | 5305-012-0678 | SCREW, CAP, HEXAGON HEAD: 3/8-24UNF-2A x 2 in. lg (Model M274 only) (120678) | ea | 2 | | |
| | 20 | | | | | | ARM: steering, bellcrank (lower): | | | | |
| | | | P | O | | 2530-508-2359 | Model M274 (7966724) | ea | 2 | | |
| | | | P | O | | 2530-953-4881 | Model M274A1 (65909-933199) | ea | 2 | | |
| | 21 | | P | O | | 5315-255-0614 | PIN, COTTER: 3/32 x 1.00 in. lg (121224) | ea | 10 | | |
| | 22 | | P | O | | 5310-013-1016 | WASHER, FLAT: 5/8 in. screw size (Model M274A1 only) (131016) | ea | 2 | | |
| | 23 | | P | O | | 5310-012-5267 | NUT, SLOTTED, HEXAGON: 5/8-18 (Model M274A1 only) (125267) | ea | 2 | | |
| | 24 | | P | O | | 5315-018-7988 | PIN, COTTER: 3/16 x 1-1/4 in. lg (Model M274A1 only) (187988) | ea | 2 | | |
| | 25 | | | | | | TIE ROD, STEERING: short (Refer to fig. 20 for component parts): | | | | |
| | | | P | O | | 2530-697-4382 | Model M274 (7966816) | ea | 2 | | |
| | | | P | O | | 2530-953-4864 | Model M274A1 (65909-923708) | ea | 2 | | |
| | 26 | | P | O | | 5310-044-3336 | NUT, HEXAGON: 3/8-24UNF-2B (Model M274 only) (443336) | ea | 2 | | |
| | 27 | | P | O | | 5315-012-4548 | KEY, WOODRUFF: 5/32 x 3/4 in. lg, steering bellcrank lower arm (Model M274 only) (124548) | ea | 2 | | |
| | 28 | | | | | | TIE ROD, STEERING: long (Refer to fig. 20 for component parts): | | | | |
| | | | P | O | | 2530-697-4383 | Model M274 (7966815) | ea | 2 | | |
| | | | P | O | | 2530-953-4863 | Model M274A1 (65909-923707) | ea | 2 | | |
| | 29 | | P | O | | 5310-543-5653 | NUT, PLAIN, HEXAGON: 3/8-24UNF-2B (96906-35690-625) | ea | 4 | | |
| | 30 | | P | O | | 5310-012-0381 | WASHER, LOCK: split, 3/8 in. screw size (96906-35337-27) | ea | 4 | | |
| | 32 | 5 | P | O | | 4730-050-4208 | FITTING, LUBRICATION: straight, 1/8NPTF (96906-15003-1) | ea | 2 | | |
| | 33 | | | | | | BEARING, NEEDLE: | | | | |
| | | | P | O | | 3110-112-5792 | Model M274 (709452) | ea | 4 | | |
| | | | P | O | | 3110-120-3100 | Model M274A1 (713759) | ea | 4 | | |
| | 34 | | P | O | | 2530-697-4249 | SEAL, PLAIN, ENCASED: bellcrank (7966727): Model M274 (☆ GASKET AND SEAL SET – 2520-697-4377) Model M274A1 (☆ GASKET AND SEAL SET – 2520-065-7541) | ea | 2 | | |
| | 35 | | | | | | ARM: steering, bellcrank (upper rear): | | | | |
| | | | P | O | | 2530-508-2358 | Model M274 (7966726) | ea | 1 | | |
| | | | P | O | | 2530-953-4873 | Model M274A1 (65909-933811) | ea | 1 | | |
| | 36 | | P | O | | 5315-013-7180 | PIN, COTTER: 1/8 x 7/8 in. lg (137180) | ea | 1 | | |
| | 37 | | P | O | | 4730-050-4203 | FITTING, LUBRICATION: (96906-15001-1) | ea | 2 | | |
| | | | | | | | NON-ILLUSTRATED ITEMS | | | | |
| | | | P | O | | 2590-953-4874 | BELLCRANK LEVER ASSEMBLY: (Model M274A1 only) (65909-927289) | ea | 1 | | |
| | | | P | O | | 2590-953-4883 | BRACKET ASSEMBLY: throttle bellcrank (Model M274A1) (65909-927638) | ea | 1 | | |
| | | | P | O | | 5315-954-1243 | PIN, CLEVIS: accelerator bellcrank (Model M274A1) (65909-927285) | ea | 1 | | |
| | | | P | O | | 5340-282-5581 | RING, RETAINING: steering bellcrank arm (Model M274A1 only) (65909-934099) | ea | 2 | | |
| | | | P | O | | 2990-996-7261 | SPRING, TORSION: accelerator bellcrank (Model M274A1 only) (65909-927288) | ea | 1 | | |
| | | | P | O | | 2590-996-7281 | THROTTLE LINK AND BALL JOINT ASSEMBLY: (Model M274A1 only) (65909-934222) | ea | 1 | | |

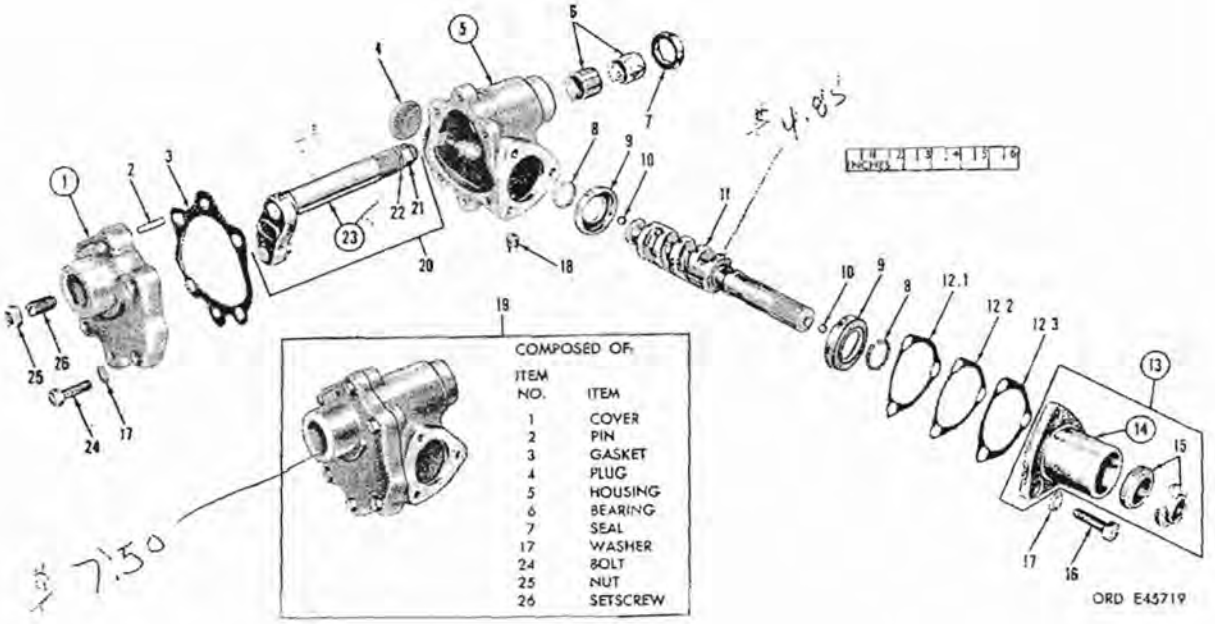



NON-SUPPLY ITEMS

3 – ARM (65909-927173)
8 – SUPPORT
MODEL M274 (94537-913370)
MODEL M274A1 (65909-927177)
12 – SUPPORT ASSY (Model M274A1 only) (65909-927176)
16 – PIN (Model M274A1 only) (137168)
17 – NUT (Model M274A1 only) (125348)

Figure 18. Steering gear and associated parts – exploded view.

| (1) ILLUST | | (2) SOURCE, MAINT AND RECOVERABILITY CODE | | | | (3) | (4) | (5) | (6) | (7) 15-DAY MAINT ALW PER 100 EQUIP | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| (a) FIG NO | (b) ITEM NO | (a) MATERIEL CODE | (b) SOURCE | (c) MAINTENANCE LEVEL | (d) RECOVERABILITY | FEDERAL STOCK NO | DESCRIPTION | UNIT OF ISSUE | QTY INC IN UNIT | (a) 3RD ECH (DIR SUP) | (b) 4TH ECH (GEN SUP) |
| | | | | | | | Steering Gear and Associated Parts (fig. 18) | | | | |
| 18 | 1 | | P | O | R | 2530-697-4035 | ARM, STEERING: pitman, assy: Model M274 (7966750) | ea | 1 | | |
| | | X | P | O | R | 2530-953-4879 | Model M274A1 (65909-927172) | ea | 1 | | |
| | 2 | | P | F | | 2530-587-1408 | BEARING, SLEEVE: steering arm: Model M274 (7760072) | ea | 1 | | |
| | | | P | F | | 2530-953-4860 | Model M274A1 (65909-927174) | ea | 1 | | |
| | 4 | | P | O | | 2530-697-4395 | SPRING, HELICAL, COMPRESSION: variable locking pin (7966824) | ea | 1 | | |
| | 5 | | P | F | | 5315-664-0521 | PIN, SPRING: 3/16 x 1-3/4 in. lg (586125) | ea | 1 | | |
| | 6 | | P | O | | 5315-698-4822 | PIN, SHOULDER, HEADED: variable locking (7966823) | ea | 1 | | |
| | 7 | | P | O | | 2530-697-3916 | PLATE: locking: Model M274 (7966783) | ea | 1 | | |
| | | | P | O | | 2530-953-4876 | Model M274A1 (65909-927426) | ea | 1 | | |
| | 9 | | P | O | | 5315-058-5995 | PIN, SPRING: (96906-9048-235) | ea | 1 | | |
| | 10 | | | | | | STEERING GEAR ASSEMBLY: (Refer to fig. 19 for component parts): | | | | |
| | | X | P | O | R | 2530-806-8319 | Model M274 (7045741) | ea | 1 | | |
| | | X | P | O | R | 2530-953-4884 | Model M274A1 (65909-927424) | ea | 1 | | |
| | 11 | | P | O | | 5305-957-6366 | BOLT: hex-hd, special, 3/8-24 x 2-1/2 in. lg (Model M274A1) (65909-927175) | ea | 2 | | |
| | 13 | | P | F | | 2530-606-9477 | BEARING, SLEEVE: Model M274 (8386372) | ea | 2 | | |
| | | | P | F | | 2530-953-4859 | Model M274A1 (65909-927178) | ea | 2 | | |
| | 14 | | P | O | | 5305-840-0964 | SCREW, CAP, HEXAGON HEAD: 3/8-16UNC-2A x 2-1/2 in. lg (96906-35291-68) | ea | 4 | | |
| | 15 | | P | O | | 5310-012-0381 | WASHER, LOCK: split, 3/8 in. screw size (96906-35337-27) | ea | 4 | | |
| | 18 | | P | O | | 5310-587-1441 | WASHER, FLAT: thrust, steering arm (7760071) | ea | 1 | | |




NON-SUPPLY ITEMS

1 – COVER:
MODEL M274 (77640-S125007)
MODEL M274A1

5 – HOUSING:
MODEL M274 (77640-S122000)
MODEL M274A1

13 – COVER AND SEAL ASSY:
MODEL M274 (8710930)
MODEL M274A1

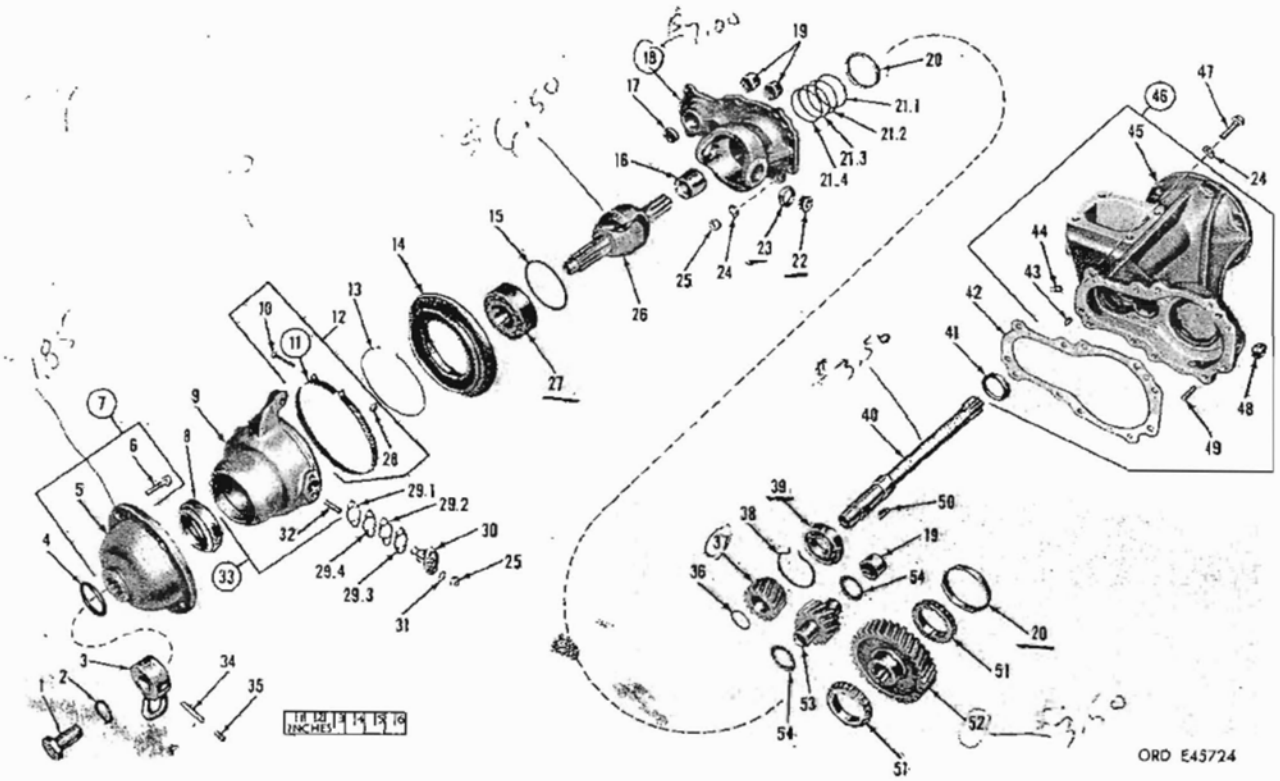
14 – COVER:
MODEL M274 (77640-T126032)
MODEL M274A1

23 – LEVER SHAFT

Figure 19. Steering gear assembly – exploded view.

| (1) ILLUST | | (2) SOURCE, MAINT AND RECOVERABILITY CODE | | | | (3) | (4) | (5) | (6) | (7) 15-DAY MAINT ALW PER 100 EQUIP | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| (a) FIG NO | (b) ITEM NO | (a) MATERIEL CODE | (b) SOURCE | (c) MAINTENANCE LEVEL | (d) RECOVERABILITY | FEDERAL STOCK NO | DESCRIPTION | UNIT OF ISSUE | QTY INC IN UNIT | (a) 3RD ECH (DIR SUP) | (b) 4TH ECH (GEN SUP) |
| | | | | | | | Steering Gear Assembly (fig. 19) | | | | |
| 19 | 2 | | P | F | | 5315-014-1199 | PIN, STRAIGHT, HEADLESS: 1/4 x 7/8 in. lg (141199) --- | ea | 2 | | |
| | 3 | | P | F | | 2530-572-2865 | GASKET: side cover (8716931) ---------- | ea | 1 | | |
| | 4 | | P | F | | 5340-054-1402 | PLUG, EXPANSION: 1-1/4 in. dia (541402) ---------- | ea | 1 | | |
| | 6 | | C | F | | 3120-735-1023 | BEARING: bushing-type (7351023) ---------- | ea | 2 | | |
| | 7 | | P | F | | 5330-286-6854 | SEAL, PLAIN, ENCASED: (545269) ---------- | ea | 1 | | |
| | 8 | | P | F | | 5340-572-4832 | RING, RETAINING: steering gear cam bearing cup (8716933) | ea | 2 | | |
| | 9 | | P | F | | 2530-572-2859 | RACE, BEARING, OUTER: (8716932) ---------- | ea | 2 | | |
| | 10 | | P | F | | 3110-100-6180 | BALL, BEARING: steering gear (104919) ---------- | ea | 20 | | |
| | 11 | | P | F | | 2530-572-2861 | CAMSHAFT: (8716929) ---------- | ea | 1 | | |
| | | | C | F | | 2530-737-1431 | SHIM SET: steering gear upper cover (7371431) ------- Composed of: | ea | * | | |
| | 12.1 | | | | | | 2 SHIM: 0.002 in. thk (94537-639108) | | | | |
| | 12.2 | | | | | | 2 SHIM: 0.003 in. thk (94537-639109) | | | | |
| | 12.3 | | | | | | 2 SHIM: 0.010 in. thk (94537-639110) | | | | |
| | 15 | | P | F | | 2530-572-2864 | SEAL, PLAIN, ENCASED: (8716934) ---------- | ea | 2 | | |
| | 16 | | P | F | | 5306-017-9816 | SCREW, HEXAGON HEAD: 5/16-18UNC-2A x 3/4 in. lg (179816) | ea | 3 | | |
| | 17 | | P | F | | 5310-558-5995 | WASHER, FLAT: 5/16 in. screw size (side cover (4), upper cover (3)) (7412883) | ea | 7 | | |
| | 18 | 5 | P | O | | 4730-288-8571 | PLUG: pipe, sq-hd (housing) (143932) ---------- | ea | 1 | | |
| | 19 | K | P | F | R | 2530-572-2860 | HOUSING: assy (Model M274 only) (8716928) ---------- | ea | 1 | | |
| | 20 | | P | F | | 2530-572-2862 | LEVER SHAFT: assy (8716935) ---------- | ea | 1 | | |
| | 21 | | C | O | | 5310-840-1342 | NUT, PLAIN, HEXAGON: 5/8-18NF-2 (451537) ---------- | ea | 1 | | |
| | 22 | | P | O | | 5310-010-3325 | WASHER, LOCK: 5/8 in. screw size (121574) ---------- | ea | 1 | | |
| | 24 | | P | F | | 5306-576-0537 | BOLT, MACHINE: hex-hd, 5/16-18UNC-2A x 1.00 in. lg (96906-35291-34) | ea | 4 | | |
| | 25 | | P | F | | 5310-208-6829 | NUT, PLAIN, HEXAGON: 7/16-20UNF-2B (272121) ---------- | ea | 1 | | |
| | 26 | | C | F | | 5305-769-6342 | SETSCREW: (7696342) ---------- | ea | 1 | | |

| (1) ILLUST | | (2) SOURCE, MAINT AND RECOVERABILITY CODE | | | | (3) | (4) | (5) | (6) | (7) 15-DAY MAINT ALW PER 100 EQUIP | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| (a) FIG NO | (b) ITEM NO | (a) MATERIEL CODE | (b) SOURCE | (c) MAINTENANCE LEVEL | (d) RECOVERABILITY | FEDERAL STOCK NO | DESCRIPTION | UNIT OF ISSUE | QTY INC IN UNIT | (a) 3RD ECH (DIR SUP) | (b) 4TH ECH (GEN SUP) |
| | | | | | | | Drop Gear Housing and Associated Parts (fig. 24) | | | | |
| 24 | 1 | | P | O | | 2530-678-3177 | RETAINER NUT: (7045710) | ea | 4 | | |
| | 2 | | P | O | | 5330-954-1246 | PACKING, PREFORMED: "O" ring (☆GASKET AND SEAL SET — 2520-697-4377, 2520-065-7541 and 2520-065-7539) (7953454) | ea | 4 | | |
| | 3 | | P | O | | 2540-630-5592 | HOOK, LIFT, WHEEL HUB: (7953455) | ea | 4 | | |
| | 4 | | P | O | | 2530-678-3178 | PACKING, PREFORMED: "O" ring (☆GASKET AND SEAL SET — 2520-697-4377, 2520-065-7541 and 2520-065-7539) (7045709) | ea | 4 | | |
| | 5 | | | | | | HUB, WHEEL: driving axle: | | | | |
| | | | P | O | S | 2520-508-2316 | Model M274 (7966746) | ea | 4 | | |
| | | | P | O | S | 2520-953-4885 | Model M274A1 (65909-921961) | ea | 4 | | |
| | 6 | | P | O | | 5306-630-9934 | BOLT, MACHINE: (7953458) | ea | 20 | | |
| | 8 | | | | | | SEAL, PLAIN, ENCASED: oil, wheel hub: | | | | |
| | | | | | | | Front axle: | | | | |
| | | | P | O | | 2530-697-4248 | Model M274 (☆GASKET AND SEAL SET — 2520-697-4377) (7966784) | ea | 2 | | |
| | | | P | O | | 5330-954-1245 | Model M274A1 (☆GASKET AND SEAL SET — 2520-065-7541) (65909-922600) | ea | 2 | | |
| | | | P | O | | 5330-954-1245 | Rear axle (☆GASKET SET — 2520-065-7539) (65909-922600) | ea | 2 | | |
| | 9 | | P | O | | 2520-508-2319 | KNUCKLE: steering (left front and right rear) (7966758) | ea | 2 | | |
| | 9 | | P | O | | 2520-562-8925 | KNUCKLE: steering (right front and left rear) (7966757) | ea | 2 | | |
| | 10 | | P | O | | 5305-685-8116 | SCREW, MACHINE: fil-hd, no. 10-24NC-2A (96906-35223-69) | ea | 4 | | |




NON-SUPPLY ITEMS

7 — HUB ASSY:
MODEL M274
MODEL M274A1 (65909-921966)

11 — CLAMP (7049711)

33 — KNUCKLE ASSY:
LEFT FRONT AND RIGHT REAR (8336228)
RIGHT FRONT AND LEFT REAR (8336229)

46 — HOUSING ASSY:
MODEL M274
MODEL M274A1 (65909-933924)

Figure 24. Drop gear housing and associated parts — exploded view.

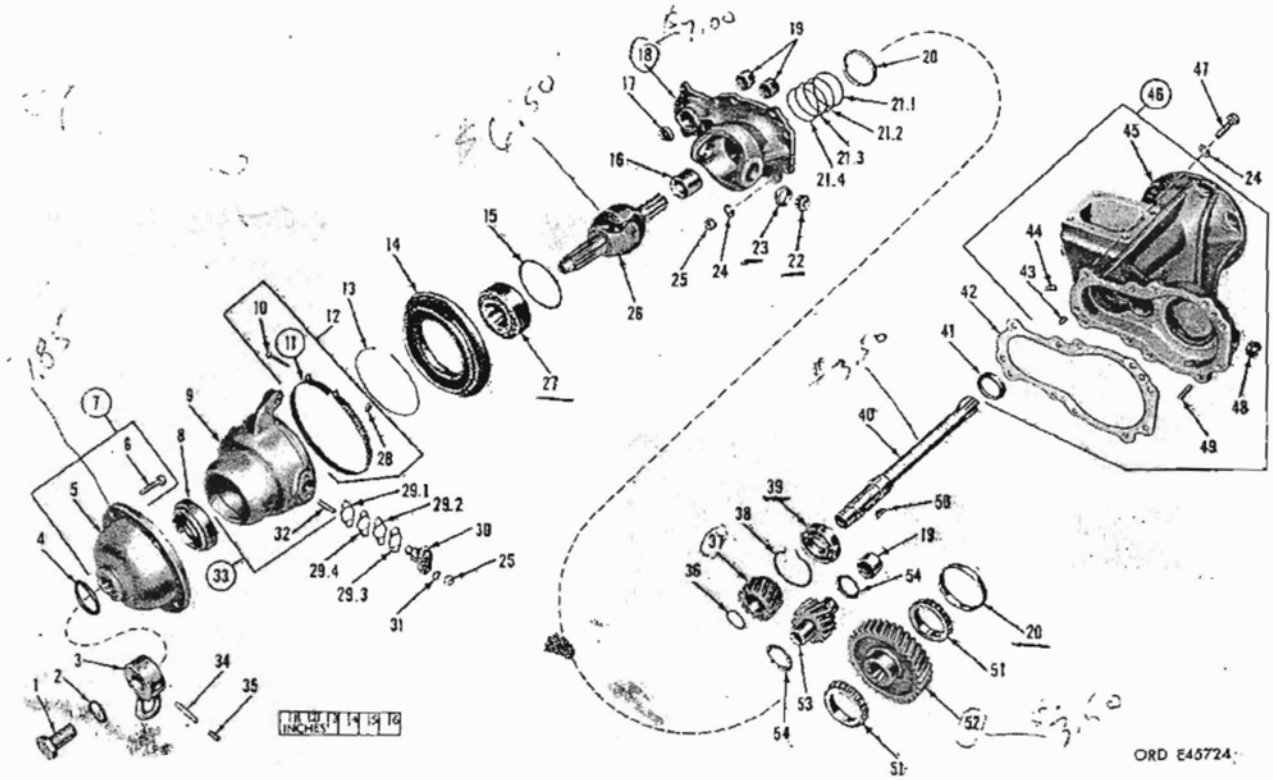
| (1) ILLUST | | (2) SOURCE, MAINT AND RECOVERABILITY CODE | | | | (3) | (4) | (5) | (6) | (7) 15-DAY MAINT ALW PER 100 EQUIP | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| (a) FIG NO | (b) ITEM NO | (a) MATERIEL CODE | (b) SOURCE | (c) MAINTENANCE LEVEL | (d) RECOVERABILITY | FEDERAL STOCK NO | DESCRIPTION | UNIT OF ISSUE | QTY INC IN UNIT | (a) 3RD ECH (DIR SUP) | (b) 4TH ECH (GEN SUP) |
| | | | | | | | Propeller Shaft Assembly (fig. 22) | | | | |
| 22 | 1 | | P | O | R | 2520-508-2205 | PROPELLER SHAFT W/UNIVERSAL JOINT: Model M274 (7966678) | ea | 1 | | |
| | | X | P | O | R | 2520-996-7286 | Model M274AI (65909-923571) | ea | 1 | | |
| | 3 | (X) | P | O | | 2520-697-3849 | PARTS KIT, UNIVERSAL JOINT: (5702158) Composed of: | ea | 1 | | |
| | 3.1 | | | | | | 4 RING: (8333675) | | | | |
| | 3.2 | | | | | | 4 BEARING ASSEMBLY: (7966733) | | | | |
| | 3.3 | | | | | | 2 JOURNAL: (7966738) | | | | |
| | 5 | | | | | | FITTING, LUBRICATION: | | | | |
| | | | P | O | | 4730-591-3450 | Model M274 (504207) | ea | 2 | | |
| | | | P | O | | 4730-050-4207 | Model M274A1 (96906-15001-4) | ea | 2 | | |
| | 10 | | P | O | | 5305-018-1608 | BOLT, MACHINE: 5/16-24 x 1.00 in. lg (181608) | ea | 4 | | |
| | 11 | | P | O | | 5310-012-0214 | WASHER, LOCK: split, 5/16 in. screw size (96906-35338-26) | ea | 4 | | |
| | | | | | | | Front Axle Assembly (fig. 23) | | | | |
| 23 | 1 | | P | F | | 2520-697-4327 | AXLE ASSEMBLY, AUTOMOTIVE DRIVING: Model M274 (7966805) | ea | 1 | | |
| | | | P | F | | 2520-960-8831 | Model M274A1 (65909-935071) | ea | 1 | | |
| | 3 | | | | | | GASKET: (Refer to 7, fig. 26) (7966698) | | 1 | | |
| | 6 | | P | F | | 5310-012-0368 | NUT, PLAIN, HEXAGON: 5/16-24UNF-2B (96906-35690-525) | ea | 12 | | |
| | 7 | | P | O | | 5310-012-0214 | WASHER, LOCK: split, 5/16 in. screw size (96906-35338-26) | ea | 12 | | |
| | | | | | | | NON-ILLUSTRATED ITEMS | | | | |
| | | | | | | | GASKET AND SEAL SET: overhaul (front axle): | | | | |
| | | | P | F | | 2520-697-4377 | Model M274 (5702417) Composed of: | ea | 1 | | |
| | | | P | F | | 2520-697-3813 | 1 GASKET: bearing cage (☆) (7966698) | ea | | | |
| | | | P | O | | 2530-697-3853 | 1 GASKET: brake shield (☆) (7966778) | ea | | | |
| | | | P | O | | 2530-697-3852 | 2 GASKET: oil slinger (☆) (7966605) | ea | | | |
| | | | P | O | | 2520-508-2309 | 2 GASKET: steering knuckle cover (☆) (7966597) | ea | | | |
| | | | P | O | | 5330-954-1246 | 2 PACKING, PREFORMED: "O" ring, wheel hub (☆) (7953454) | ea | | | |
| | | | P | O | | 2530-678-3178 | 2 PACKING, PREFORMED: "O" ring, wheel hub (☆) (7045709) | ea | | | |
| | | | P | F | | 2520-697-4266 | 1 SEAL: oil, brake (☆) (7966683) | ea | | | |
| | | | P | F | | 2520-697-4286 | 2 SEAL, PLAIN, ENCASED: axle shaft (outer) (☆) (7966768) | ea | | | |
| | | | P | O | | 2530-697-4249 | 2 SEAL, PLAIN, ENCASED: bellcrank (☆) (7966727) | ea | | | |
| | | | P | O | | 2530-697-4248 | 2 SEAL, PLAIN, ENCASED: wheel hub bearing (☆) (7966784) | ea | | | |
| | | | P | F | | 2520-697-4206 | I SEAL, PLAIN, ENCASED: oil, axle shaft, inner (☆) (7966787) | ea | | | |
| | | | P | F | | 2520-065-7541 | Model M274A1 (65909-934797) Composed of: | ea | 1 | | |
| | | | P | F | | 2520-697-3813 | 1 GASKET: bearing cage (☆) (7966698) | ea | | | |
| | | | P | O | | 2530-697-3853 | 1 GASKET: brake shield (☆) (7966778) | ea | | | |
| | | | P | O | | 2520-508-2309 | 2 GASKET: steering knuckle cover (☆) (7966597) | ea | | | |
| | | | P | O | | 2530-678-3178 | 2 PACKING, PREFORMED: "O" ring, wheel hub (☆) (7045709) | ea | | | |
| | | | P | O | | 5330-954-1246 | 2 PACKING, PREFORMED: "O" ring, wheel hub (☆) (7953454) | ea | | | |
| | | | P | F | | 5330-958-2733 | 1 SEAL: dust, brake (☆) (65909-923497) | ea | | | |
| | | | P | F | | 2520-697-4266 | 1 SEAL: oil, brake (☆) (7966683) | ea | | | |
| | | | P | F | | 2520-697-4206 | 1 SEAL, PLAIN, ENCASED: axle shaft (inner) (☆) (7966787) | ea | | | |
| | | | P | F | | 2520-697-4286 | 2 SEAL, PLAIN, ENCASED: axle shaft (outer) (☆) (7966768) | ea | | | |
| | | | P | O | | 2530-D65-4249 | 2 SEAL, PLAIN, ENCASED: bellcrank (☆) (7966727) | ea | | | |
| | | | P | O | | 5330-954-1245 | 2 SEAL, PLAIN, ENCASED: wheel hub bearing (☆) (65909-922600) | ea | | | |
| | | | P | F | | 5330-954-1253 | 1 WASHER, NONMETALLIC: input shaft (intermediate) (☆) (65909-928407) | ea | | | |

NON-SUPPLY ITEMS

2 – DROP GEAR HOUSING AND ASSOCIATED PARTS (Refer to fig. 24 for component parts)
4 – GEAR CARRIER ASSY AND ASSOCIATED PARTS (Refer to fig. 26 for component parts)
5 – DROP GEAR HOUSING AND ASSOCIATED PARTS (Refer to fig. 24 for component parts)
8 – BRAKE DRUM AND ASSOCIATED PARTS (Model M274A1) (Refer to fig. 28 for component parts)
9 – BRAKE DRUM AND ASSOCIATED PARTS (Model M274) (Refer to fig. 29 for component parts)

Figure 23. Front axle assembly – exploded view – legend.

| (1) ILLUST | | (2) SOURCE, MAINT AND RECOVERABILITY CODE | | | | (3) | (4) | (5) | (6) | (7) 15-DAY MAINT ALW PER 100 EQUIP | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| (a) FIG NO | (b) ITEM NO | (a) MATERIEL CODE | (b) SOURCE | (c) MAINTENANCE LEVEL | (d) RECOVERABILITY | FEDERAL STOCK NO | DESCRIPTION | UNIT OF ISSUE | QTY INC IN UNIT | (a) 3RD ECH (DIR SUP) | (b) 4TH ECH (GEN SUP) |
| | | | | | | | Drop Gear Housing and Associated Parts (fig. 24) | | | | |
| 24 | 1 | | P | O | | 2530-678-3177 | RETAINER NUT: (7045710) | ea | 4 | | |
| | 2 | | P | D | | 5330-954-1246 | PACKING, PREFORMED: "O" ring (☆GASKET AND SEAL SET – 2520-697-4377, 2520-065-7541 and 2520-065-7539) (7953454) | ea | 4 | | |
| | 3 | | P | O | | 2540-630-5592 | HOOK, LIFT, WHEEL HUB: (7953455) | ea | 4 | | |
| | 4 | | P | O | | 2530-678-3178 | PACKING, PREFORMED: "O" ring (☆GASKET AND SEAL SET – 2520-697-4377, 2520-065-7541 and 2520-065-7539) (7045709) | ea | 4 | | |
| | 5 | | | | | | HUB, WHEEL: driving axle: | | | | |
| | | | P | O | S | 2520-508-2316 | Model M274 (7966746) | ea | 4 | | |
| | | | P | O | S | 2520-953-4885 | Model M274A1 (65909-921961) | ea | 4 | | |
| | 6 | | P | O | | 5306-630-9934 | BOLT, MACHINE: (7953458) | ea | 20 | | |
| | 8 | | | | | | SEAL, PLAIN, ENCASED: oil, wheel hub: Front axle: | | | | |
| | | | P | O | | 2530-697-4248 | Model M274 (☆GASKET AND SEAL SET – 2520-697-4377) (7966784) | ea | 2 | | |
| | | | P | O | | 5330-954-1245 | Model M274A1 (☆GASKET AND SEAL SET – 2520-065-7541) (65909-922600) | ea | 2 | | |
| | | | P | O | | 5330-954-1245 | Rear axle (☆GASKET SET – 2520-065-7539) (65909-922600) | ea | 2 | | |
| | 9 | | P | O | | 2520-508-2319 | KNUCKLE: steering (left front and right rear) (7966758) | ea | 2 | | |
| | 9 | | P | O | | 2520-562-8925 | KNUCKLE: steering (right front and left rear) (7966757) | ea | 2 | | |
| | 10 | | P | O | | 5305-685-8116 | SCREW, MACHINE: fil-hd, no. 10-24NC-2A (96906-35223-69) | ea | 4 | | |




NON-SUPPLY ITEMS

7 – HUB ASSY:
MODEL M274
MODEL M274A1 (65909-921966)

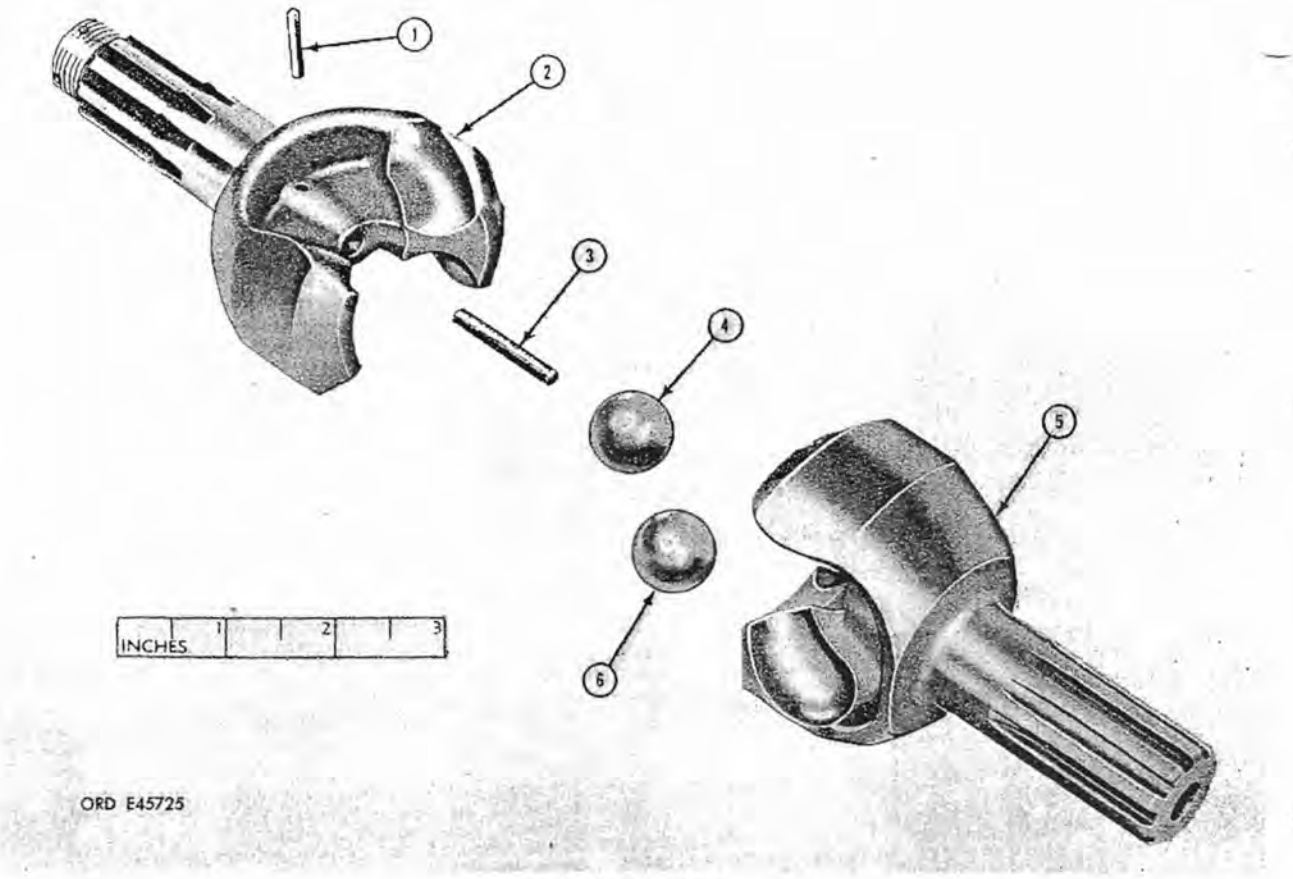
11 – CLAMP (7049711)

33 – KNUCKLE ASSY:
LEFT FRONT AND RIGHT REAR (8336228)
RIGHT FRONT AND LEFT REAR (8336229)

46 – HOUSING ASSY:
MODEL M274
MODEL M274A1 (65909-933924)

Figure 24. Drop gear housing and associated parts – exploded view.

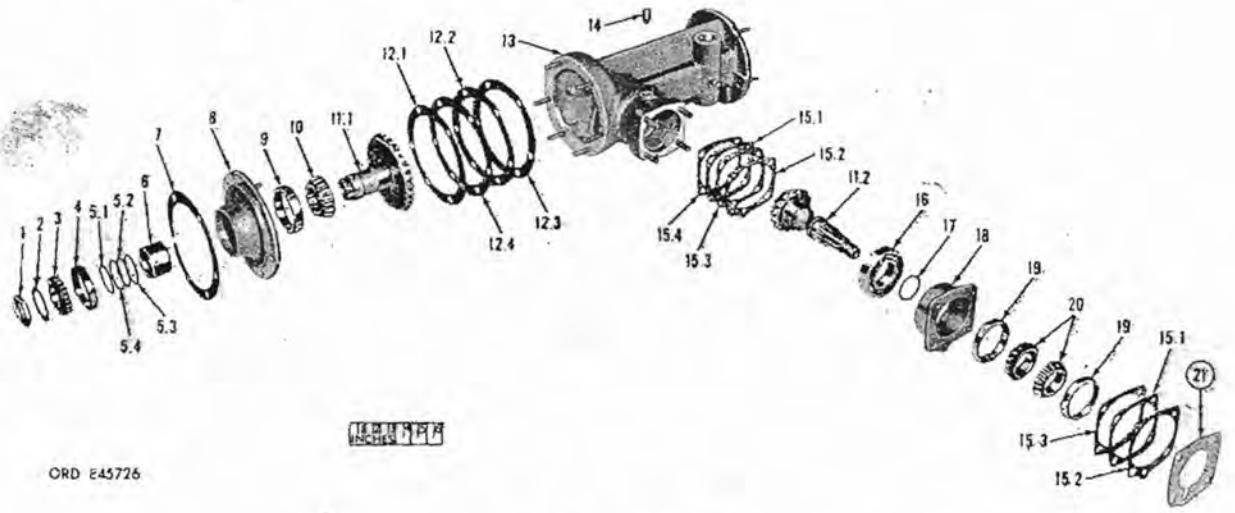
| (1) ILLUST | | (2) SOURCE, MAINT AND RECOVERABILITY CODE | | | | (3) | (4) | (5) | (6) | (7) 15-DAY MAINT ALW PER 100 EQUIP | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| (a) FIG NO | (b) ITEM NO | (a) MAINTCAT CODE | (b) SOURCE | (c) MAINTENANCE LEVEL | (d) RECOVERABILITY | FEDERAL STOCK NO | DESCRIPTION | UNIT OF ISSUE | QTY INC IN UNIT | (a) 3RD ECH (DIR SUP) | (b) 4TH ECH (GEN SUP) |
| 24 | 12 | | P | O | | 2520-508-2293 | CLAMP, BOOT, STEERING KNUCKLE: (7966756) | ea | 4 | | |
| | 13 | 5 | P | O | | 9505-596-1650 | WIRE, STEEL, CARBON: 15 in. lg (80244-22-W-1631-110) | ft | : | | |
| | 14 | | P | O | | 2530-697-4078 | BOOT, DUST AND MOISTURE SEAL: (7966754) | ea | 4 | | |
| | 15 | | P | O | | 5340-698-4368 | RING, RETAINING: wheel hub bearing (7966781) | ea | 4 | | |
| | 16 | | P | F | | 2520-697-3802 | BEARING, SLEEVE: (7966792) | ea | 4 | | |
| | 17 | | P | F | | 5340-587-1447 | PLUG, EXPANSION: (8336138) | ea | 8 | | |
| | 18 | | P | F | | 2530-508-2297 | COVER: steering knuckle (7966791) | ea | 4 | | |
| | 19 | | P | F | | 3110-112-5792 | BEARING, NEEDLE: drive gear (4), idler gear (8) (709452) | ea | 12 | | |
| | 20 | | P | F | | 3110-100-0513 | CUP, TAPERED ROLLER BEARING: (7998565) | ea | 8 | | |
| | | | P | F | | 2520-561-0112 | SHIM SET: wheel joint driven gear bearing (8686935) - Composed of: | ea | : | | |
| | 21.1 | | | | | | 4 SHIM: 0.003 in. thk (94537-810726) | | | | |
| | 21.2 | | | | | | 4 SHIM: 0.005 in. thk (94537-810727) | | | | |
| | 21.3 | | | | | | 4 SHIM: 0.010 in. thk (94537-810728) | | | | |
| | 21.4 | | | | | | 2 SHIM: 0.030 in. thk (94537-810729) | | | | |
| | 22 | | P | O | | 3110-100-3679 | CONE AND ROLLERS, TAPERED ROLLER BEARING: (705245) | ea | 8 | | |
| | 23 | | P | O | | 3110-100-0628 | CUP, TAPERED ROLLER BEARING: (706736) | ea | 8 | | |
| | 24 | | P | F | | 5310-012-0214 | WASHER, LOCK: split, 5/16 in. screw size (96906-35338-26) | ea | 40 | | |
| | 25 | | P | F | | 5310-012-0368 | NUT, PLAIN, HEXAGON: 5/16-24UNF-2B (steering knuckle cover to drop gear housing (32), pivot pin (16)) (96906-35690-525) | ea | 48 | | |
| | 26 | | P | O | | 2520-508-2356 | UNIVERSAL JOINT: wheel drive, assy (Refer to fig. 25 for component parts) (7966766) | ea | 4 | | |
| | 27 | | P | O | | 3110-156-4712 | BEARING, BALL, ANNULAR: (714249) | ea | 4 | | |
| | 28 | | P | O | | 5310-012-0619 | NUT, PLAIN, SQUARE: no. 10-24NC-2B (120619) | ea | 4 | | |
| | | | P | O | | 2520-561-9113 | SHIM SET: pivot pin bearing (5702423) - Composed of: | ea | : | | |
| | 29.1 | | | | | | 4 SHIM: 0.003 in. thk (94537-951216) | | | | |
| | 29.2 | | | | | | 4 SHIM: 0.005 in. thk (94537-951217) | | | | |
| | 29.3 | | | | | | 4 SHIM: 0.010 in. thk (94537-951218) | | | | |
| | 29.4 | | | | | | 2 SHIM: 0.030 in. thk (94537-951219) | | | | |
| | 30 | | P | O | | 2520-697-3995 | PIN: pivot, steering (7966755) | ea | 8 | | |
| | 31 | | P | O | | 5310-639-8061 | WASHER, LOCK: int-teeth, 5/16 in. screw size (Model M274) (96906-35333-24) | ea | 16 | | |
| | 31 | | P | O | | 2530-953-4882 | WASHER, TAB: 5/16 in. screw size (Model M274A1) (65909-933505) | ea | 16 | | |
| | 32 | | P | O | | 5307-011-3240 | STUD, PLAIN: 5/16-18NC x 5/16-24NF-2 x 1-1/8 in. lg (113240) | ea | 16 | | |
| | 34 | | P | O | | 5315-678-4782 | PIN, SPRING: (7341466) | ea | 4 | | |
| | 35 | 5 | P | O | | 4730-278-3425 | PLUG, PIPE: sltd-hd, 1/8-27NPT (125947) | ea | 8 | | |
| | 36 | | P | O | | 5340-281-2934 | RING, RETAINING: exter (583041) | ea | 4 | | |
| | 37 | | P | F | | 2520-697-3834 | GEAR, HELICAL: drive, axle shaft (7966763) | ea | 4 | | |
| | 38 | | P | F | | 5340-588-8574 | RING, RETAINING: bearing, axle shaft (7966810) | ea | 4 | | |
| | 39 | | P | F | | 3110-144-8518 | BEARING, BALL, ANNULAR: axle shafts (700078) | ea | 4 | | |
| | 40 | | | | | | SHAFT, AXLE, AUTOMOTIVE: | | | | |
| | | | P | F | | 2520-711-5822 | Short (7045746) | ea | 2 | | |
| | | | P | F | | 2520-711-5823 | Long (7045745) | ea | 2 | | |
| | 41 | | P | F | | 2520-697-4286 | SEAL, PLAIN, ENCASED: axle shaft, outer (☆ GASKET AND SEAL SET - 2520-697-4377, 2520-065-7541 and 2520-065-7539) (7966768) | ea | 4 | | |
| | 42 | | P | O | | 2520-508-2309 | GASKET: steering knuckle cover (☆ GASKET AND SEAL SET - 2520-697-4377, 2520-065-7541 and 2520-065-7539) (7966597) | ea | 4 | | |
| | 43 | | P | F | | 5315-014-1217 | PIN, HEADLESS: 5/16 x 5/8 in. lg (knuckle cover to housing) (141217) | ea | 8 | | |
| | 44 | 5 | P | O | | 4820-287-6119 | VENT ASSEMBLY: (Model M274) (7966661) | ea | 4 | | |
| | 45 | | | | | | HOUSING, AXLE: drop gear: | | | | |
| | | | P | F | | 2520-697-4329 | Model M274 (7966906) | ea | 4 | | |
| | | | P | F | | 2520-996-7288 | Model M274A1 (65909-933547) | ea | 4 | | |
| | 47 | | P | F | | 5306-576-0537 | BOLT, MACHINE: hex-hd, 5/16-18UNC-2A x 1.00 in. lg (96906-35291-34) | ea | 8 | | |
| | 48 | | | | | | PLUG, PIPE: 1/2-14NPTF: | | | | |
| | | | P | O | | 4730-044-4789 | Model M274 (444789) | ea | 4 | | |
| | | | P | O | | 4730-044-4667 | Model M274A1 (444667) | ea | 4 | | |
| | 49 | | P | F | | 5307-698-4414 | STUD, PLAIN: 5/16-24NF-3 x 5/16-18NCS x 1-1/4 in. lg (7966528) | ea | 32 | | |
| | 50 | | P | F | | 5315-012-0502 | KEY, WOODRUFF: 3/16 x 7/8 in. lg (120502) | ea | 4 | | |
| | 51 | | P | F | | 3110-100-3137 | CONE AND ROLLERS, TAPERED ROLLER BEARING: wheel joint driven gear (705391) | ea | 8 | | |
| | 52 | | P | F | | 2520-697-3845 | GEAR, HELICAL: wheel joint driven (7966765) | ea | 4 | | |
| | 53 | | P | F | | 2520-697-3848 | GEAR, HELICAL: idler, axle (7966764) | ea | 4 | | |
| | 54 | | P | F | | 5310-697-3856 | WASHER, THRUST: axle drop idler gear (7966793) | ea | 8 | | |




NON-SUPPLY ITEMS

1 – PIN (7760096)
2 – SHAFT (7760093)
3 – PIN (7760095)
4 – BALL (7760094)
5 – SHAFT (7760092)
6 – BALL (7760097)

Figure 25. Universal joint – exploded view.

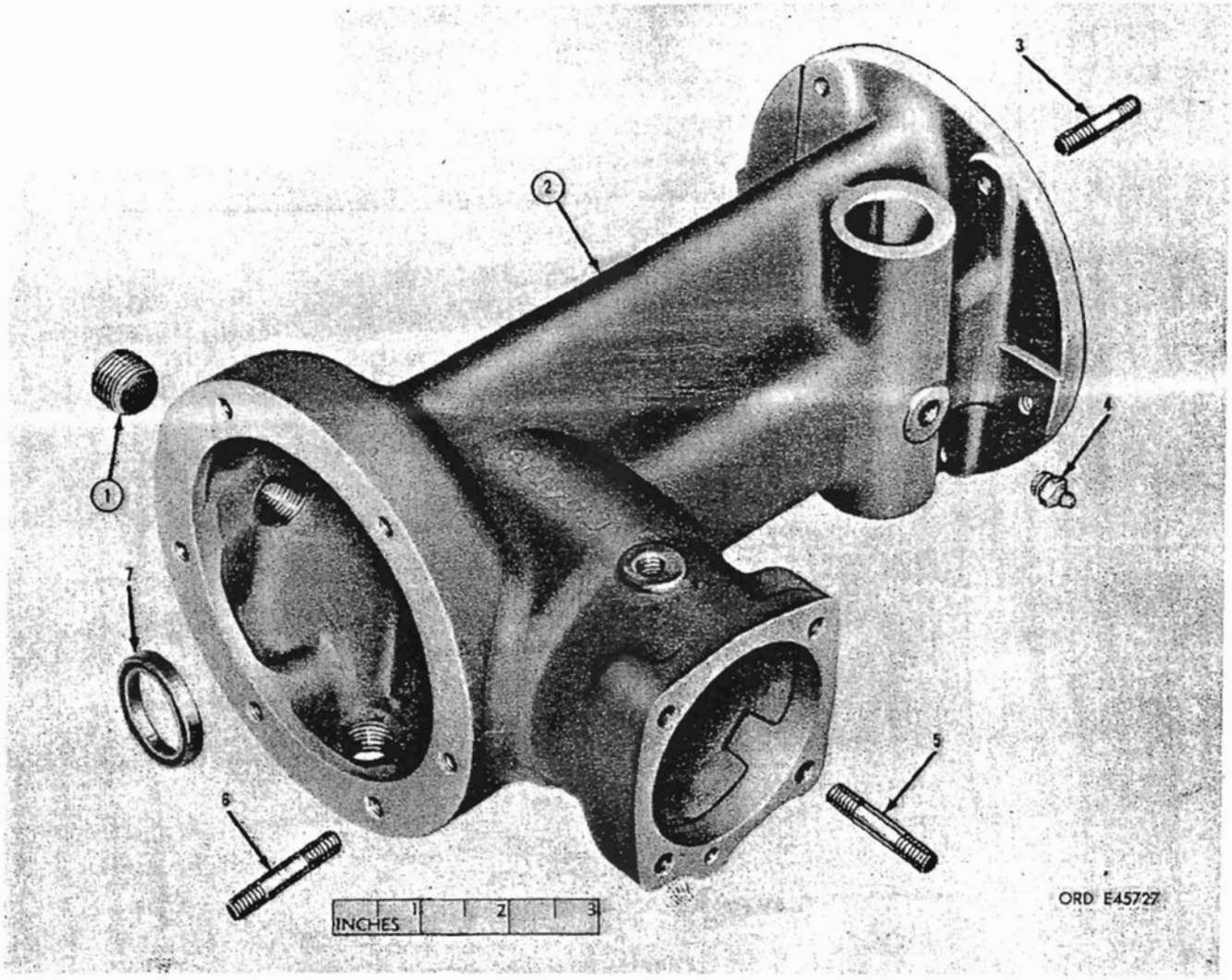



NON-SUPPLY ITEM
21 – PLATE (8336141)

Figure 26. Gear carrier assembly and associated parts – exploded view.

| (1) ILLUST | | (2) SOURCE, MAINT AND RECOVERABILITY CODE | | | | (3) | (4) | (5) | (6) | (7) 15-DAY MAINT ALW PER 100 EQUIP | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| (a) FIG NO | (b) ITEM NO | (a) MATERIEL CODE | (b) SOURCE | (c) MAINTENANCE LEVEL | (d) RECOVERABILITY | FEDERAL STOCK NO | DESCRIPTION | UNIT OF ISSUE | QTY INC IN UNIT | (a) 3RD ECH (DIR SUP) | (b) 4TH ECH (GEN SUP) |
| | | | | | | | Gear Carrier Assembly and Associated Parts (fig. 26) | | | | |
| 26 | 1 | | P | F | | 5310-698-4409 | NUT, PLAIN, HEXAGON: (7966689) | ea | 1 | | |
| | 2 | | P | F | | 2520-697-4298 | WASHER, KEY: (7966808) | ea | 1 | | |
| | 3 | | P | F | | 3110-100-3137 | CONE AND ROLLERS, TAPERED ROLLER BEARING: (705391) | ea | 1 | | |
| | 4 | | P | F | | 3110-100-0513 | CUP, TAPERED ROLLER BEARING: (7998565) | ea | 1 | | |
| | | | P | F | | 2520-561-9114 | SHIM SET: drive gear bearing: (5702424) | ea | ‡ | | |
| | 5.1 | | | | | | Composed of: | | | | |
| | 5.2 | | | | | | 1 SHIM: 0.003 in. thk (7966947) | | | | |
| | 5.3 | | | | | | 1 SHIM: 0.005 in. thk (7966948) | | | | |
| | 5.4 | | | | | | 1 SHIM: 0.010 in. thk (7966949) | | | | |
| | | | | | | | 1 SHIM: 0.030 in. thk (7966950) | | | | |
| | 6 | | P | F | | 2520-697-3861 | SPACER, SLEEVE: (7966684) | ea | 1 | | |
| | 7 | | P | F | | 2520-697-3813 | GASKET: axle housing and drive gear cage (☆GASKET AND SEAL SET – 2520-697-4377, 2520-065-7541 and 2520-065-7539) (7966698) | ea | 2 | | |
| | 8 | | P | F | | 2520-697-4412 | CAGE: drive gear bearing (7966917) | ea | 1 | | |
| | 9 | | P | F | | 3110-100-0512 | CUP, TAPERED ROLLER BEARING: (706817) | ea | 1 | | |
| | 10 | | P | P | | 3110-101-0786 | CONE AND ROLLERS, TAPERED ROLLER BEARING: (705389) | ea | 1 | | |
| | 11 | | P | F | | 2520-698-6592 | GEAR SET, BEVEL, MATCHED: (7966807) | ea | 1 | | |
| | 11.1 | | | | | | Composed of: | | | | |
| | 11.2 | | | | | | 1 GEAR, DRIVE, BEVEL: (94537-914382) | | | | |
| | | | | | | | ~~1 PINION, DRIVE, BEVEL: (94537-914441)~~ | | | | |
| | | | P | F | | 2520-561-9117 | SHIM SET: drive gear (5702426) | ea | ‡ | | |
| | 12.1 | | | | | | Composed of: | | | | |
| | 12.2 | | | | | | 2 SHIM: 0.003 in. thk (7966685) | | | | |
| | 12.3 | | | | | | 2 SHIM: 0.005 in. thk (7966686) | | | | |
| | 12.4 | | | | | | 2 SHIM: 0.010 in. thk (7966687) | | | | |
| | | | | | | | 1 SHIM: 0.030 in. thk (7966688) | | | | |
| | 13 | | | | | | CARRIER ASSEMBLY: front axle (Refer to fig. 27 for component parts: | | | | |
| | | | P | F | | 2520-561-9120 | Model M274 (7966806) | ea | 1 | | |
| | | | P | F | | 2520-996-7287 | Model M274A1 (65909-935558) | ea | 1 | | |
| | 14 | | P | O | | 4820-287-6119 | VENT ASSEMBLY: (7966661) | ea | 1 | | |
| | | | P | F | | 2520-561-9115 | SHIM SET: drive pinion (5702427) | ea | ‡ | | |
| | 15.1 | | | | | | Composed of: | | | | |
| | 12.2 | | | | | | 2 SHIM: 0.003 oversize (7966704) | | | | |
| | 15.3 | | | | | | 2 SHIM: 0.005 oversize (7966705) | | | | |
| | 15.4 | | | | | | 2 SHIM: 0.010 oversize (7966706) | | | | |
| | | | | | | | 1 SHIM: 0.030 oversize (7966707) | | | | |
| | 16 | | P | F | | 3110-144-8534 | BEARING, BALL: (700080) | ea | 1 | | |
| | 17 | | P | F | | 5340-698-4194 | RING, RETAINING: (7966701) | ea | 1 | | |
| | 18 | | P | F | | 2520-508-2339 | RETAINER, BEARING: (7966700) | ea | 1 | | |
| | 19 | | P | F | | 3110-100-0639 | CUP, TAPERED ROLLER BEARING: drive pinion (rear) (7966697) | ea | 2 | | |
| | 20 | | P | F | | 3110-289-6482 | CONE AND ROLLERS, TAPERED ROLLER BEARING: (7966696) | ea | 2 | | |

| (1) ILLUST | | (2) SOURCE, MAINT AND RECOVERABILITY CODE | | | | (3) FEDERAL STOCK NO | (4) DESCRIPTION | (5) UNIT OF ISSUE | (6) QTY INC IN UNIT | (7) 15-DAY MAINT ALW PER 100 EQUIP | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| (a) FIG NO | (b) ITEM NO | (a) MATERIEL CODE | (b) SOURCE | (c) MAINTENANCE LEVEL | (d) RECOVERABILITY | | | | | (a) 3RD ECH (DIR SUP) | (b) 4TH ECH (GEN SUP) |
| | | | | | | | Gear Carrier Assembly (fig. 27) | | | | |
| 27 | 3 | | P | F | | 5307-698-4388 | STUD: drop gear housing to gear carrier (right) (7966649) | ea | 6 | | |
| | 4 | | P | F | | 4730-050-4208 | FITTING, LUBRICATION: (96906-15003-1) | ea | 1 | | |
| | 5 | | P | F | | 5307-698-4408 | STUD, PLAIN: drive pinion retainer (5/16-18NC x 5/16-24NF-3 x 1-11/16 in. lg) (7966680) | ea | 4 | | |
| | 6 | | P | F | | 5307-698-4406 | STUD, PLAIN: drop gear housing to gear carrier (left) (7966650) | ea | 6 | | |
| | 7 | | P | F | | 2520-697-4206 | SEAL, PLAIN, ENCASED: oil, axle shaft, inner (☆ GASKET AND SEAL SET – 2520-697-4377, 2520-065-7541 and 2520-065-7539) (7966787) | ea | 1 | | |

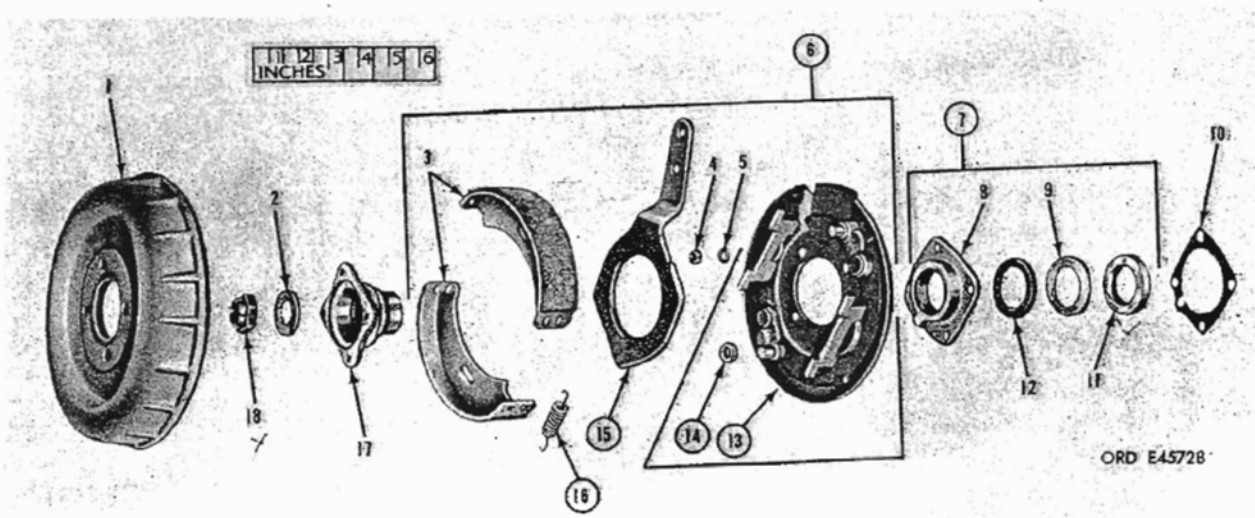



NON-SUPPLY ITEMS

1 – PLUG (444667) 2 – HOUSING (8336158)

Figure 27. Gear carrier assembly – exploded view.

| (1) ILLUST | | (2) SOURCE, MAINT AND RECOVERABILITY CODE | | | | (3) | (4) | (5) | (6) | (7) 15-DAY MAINT ALW PER 100 EQUIP | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| (a) FIG NO | (b) ITEM NO | (a) MATERIEL CODE | (b) SOURCE | (c) MAINTENANCE LEVEL | (d) RECOVERABILITY | FEDERAL STOCK NO | DESCRIPTION | UNIT OF ISSUE | QTY INC IN UNIT | (a) 3RD ECH (DIR SUP) | (b) 4TH ECH (GEN SUP) |
| | | | | | | | Front Axle Brake Drum and Associated Parts (Model M274A1) (Fig. 28) | | | | |
| 28 | 1 | | P | O | | 2530-953-4865 | DRUM, BRAKE, FRONT AXLE: (65909-923512) ---------- | ea | 1 | | |
| | 2 | | P | D | | 5310-737-2868 | WASHER, FLAT: 3/4 in. bolt size (IUE, then use WASHER - 5310-022-1442) (7372868) | ea | 1 | | |
| | | | P | O | | 5310-022-1442 | WASHER, FLAT: 3/4 in. bolt size (use only after stock of WASHER - 5310-737-2868 is exhausted) (221442) | ea | 1 | | |
| | 3 | | P | O | ⊗ | 2530-065-7542 | BRAKE SHOE AND LINING SET: (65909-936020) ---------- | ea | ‡ | | |
| | 4 | | P | O | | 5310-012-0368 | NUT, PLAIN, HEXAGON: 5/16-24UNF-2B (96906-35690-525) | ea | 4 | | |
| | 5 | | P | O | | 5310-012-0214 | WASHER, LOCK: split, 5/16 in. screw size (96906-35338-26) | ea | 4 | | |
| | 8 | | P | O | | 2530-953-4861 | SHIELD, DIRT AND LIQUID: (65909-923495) ---------- | ea | 1 | | |
| | 9 | | P | F | | 5330-954-1253 | WASHER, NONMETALLIC: (☆GASKET AND SEAL SET - 2520-065-7541) (65909-928407) | ea | 1 | | |
| | 10 | | P | O | | 2530-697-3853 | GASKET: brake shield (☆GASKET AND SEAL SET - 2520-065-7541) (7966778) | ea | 1 | | |
| | 11 | | P | F | X | 2520-697-4266 | SEAL, PLAIN, ENCASED: (☆GASKET AND SEAL SET - 2520-065-7541) (7966683) | ea | 1 | | |
| | 12 | | P | F | | 5330-958-2733 | SEAL: felt (☆GASKET AND SEAL SET - 2520-065-7541) (65909-923497) | ea | 1 | | |
| | 17 | | P | O | | 2520-953-4886 | FLANGE: companion (65909-923980) ---------- | ea | 1 | | |
| | 18 | | P | O | | 5310-703-2635 | NUT, SELF-LOCKING, HEXAGON: "Huglock" type, 3/4-16UNF-2B (7032635) | ea | 1 | | |




NON-SUPPLY ITEMS

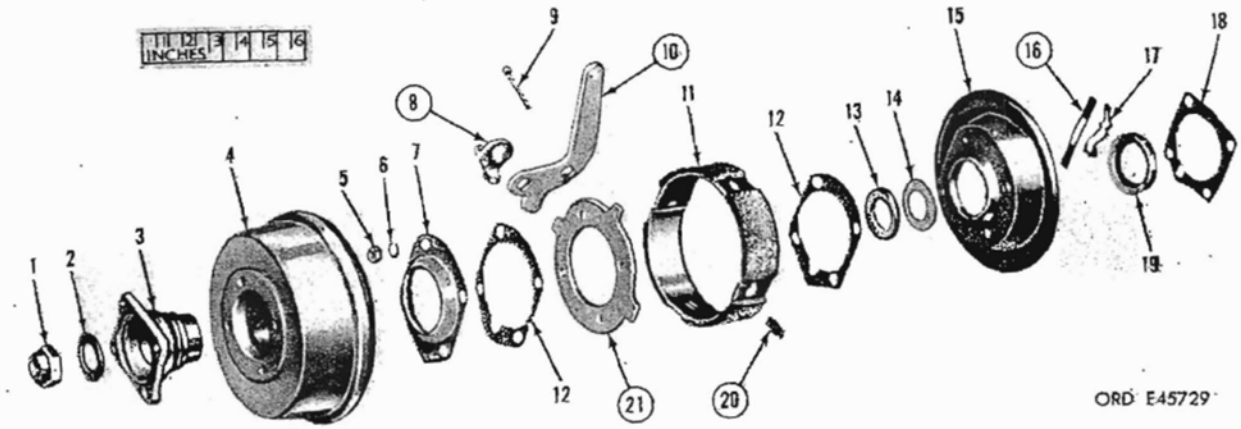
6 - BRAKE ASSY (65909-923511)
7 - SHIELD ASSY (65909-923496)
13 - PLATE (65909-935979)
14 - ROLLER (65909-935991)
15 - LEVER (65909-935990)
16 - SPRING (65909-935989)

Figure 28. Front axle brake drum and associated parts (Model M274A1) - exploded view.



X No Not Rec
⊗ Yes " "

| (1) ILLUST (a) FIG NO | (1) ILLUST (b) ITEM NO | (2) SOURCE, MAINT AND RECOVERABILITY CODE (a) MATERIEL CODE | (b) SOURCE | (c) MAINTENANCE LEVEL | (d) RECOVERABILITY | (3) FEDERAL STOCK NO | (4) DESCRIPTION | (5) UNIT OF ISSUE | (6) QTY INC IN UNIT | (7) 15-DAY MAINT ALW PER 100 EQUIP (a) 3RD ECH (DIR SUP) | (7) 15-DAY MAINT ALW PER 100 EQUIP (b) 4TH ECH (GEN SUP) |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | Front Axle Brake Drum and Associated Parts (Model M274) (fig. 29) | | | | |
| 29 | 1 | | P | O | | 5310-703-2635 | NUT, SELF-LOCKING, HEXAGON: 3/4-16UNF-2B (7032635) -- | ea | 1 | | |
| | 2 | | P | O | | 5310-737-2868 | WASHER, FLAT: 3/4 in. bolt size (IUE, then use WASHER - 5310-022-1442) (7372868) | ea | 1 | | |
| | 2 | | P | O | | 5310-022-1442 | WASHER, FLAT: 3/4 in. bolt size (use only after stock of WASHER - 5310-737-2868 is exhausted) (221442) | ea | 1 | | |
| | 3 | | P | O | | 2520-508-2301 | FLANGE: companion (7966699) ---------- | ea | 1 | | |
| | 4 | | P | O | | 2530-697-4083 | DRUM, BRAKE, FRONT AXLE: (7966797) ---------- | ea | 1 | | |
| | 5 | | P | O | | 5310-012-0368 | NUT, PLAIN, HEXAGON: 5/16-24UNF-2B (96906-35690-525) - | ea | 4 | | |
| | 6 | | P | F | | 5310-012-0214 | WASHER, LOCK: split, 5/16 in. screw size (96906-35338-26) | ea | 4 | | |
| | 7 | | P | O | | 2530-563-7251 | DEFLECTOR, DIRT AND LIQUID: oil (7966796) ---------- | ea | 1 | | |
| | 9 | | P | O | | 5315-255-0614 | PIN, COTTER: 3/32 x 1.00 in. lg (121224) ---------- | ea | 1 | | |
| | 11 | | P | O | | 2530-587-1413 | BRAKE BAND ASSEMBLY: (7018861) ---------- | ea | 1 | | |
| | 12 | | P | O | | 2530-697-3852 | GASKET: ( ☆ GASKET SET - 2520-697-4377) (7966605) --- | ea | 2 | | |
| | 13 | | P | F | | 5330-593-6441 | WASHER, NONMETALLIC: (7998708) ---------- | ea | 1 | | |
| | 14 | | P | F | | 5310-593-6440 | WASHER, FLAT: (7998707) ---------- | ea | 1 | | |
| | 15 | | P | O | | 2530-697-4309 | DEFLECTOR, DIRT AND LIQUID: (7966795) ---------- | ea | 1 | | |
| | 17 | | P | O | | 5340-606-3041 | CLIP, SPRING TENSION: (7760078) ---------- | ea | 1 | | |
| | 18 | | P | O | | 2530-697-3853 | GASKET: ( ☆ GASKET AND SEAL SET - 2520-697-4377) (7966778) | ea | 1 | | |
| | 19 | | P | F | | 2520-697-4266 | SEAL, PLAIN, ENCASED: ( ☆ GASKET AND SEAL SET - 2520-697-4377) (7966683) | ea | 1 | | |

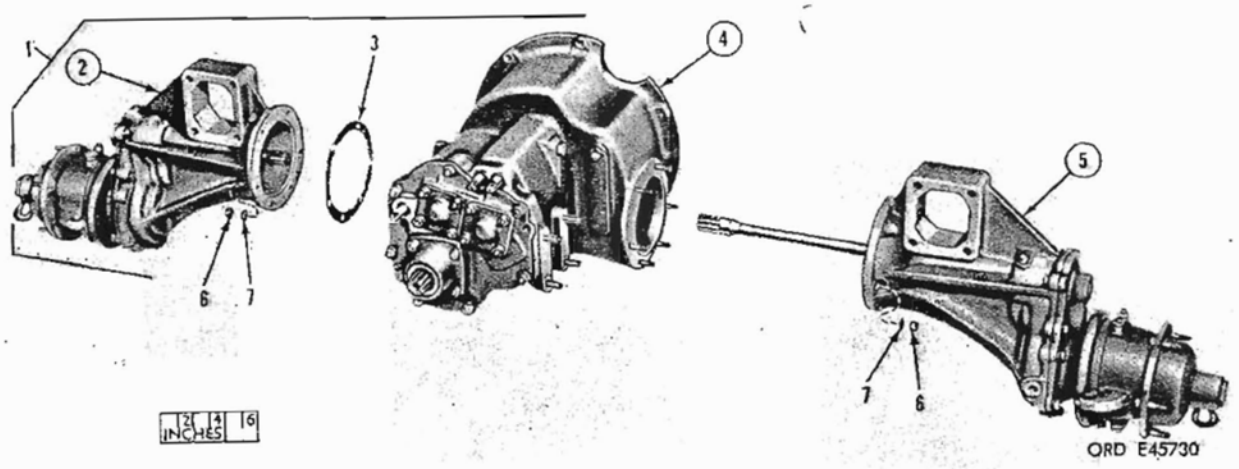



NON-SUPPLY ITEMS

8 - CAM (06848-307766)
10 - LEVER (06848-307767)
16 - COVER (94537-906879)
20 - SPRING (06848-307768)
21 - PLATE (06848-307764)

Figure 29. Front axle brake drum and associated parts (Model M274) - exploded view.

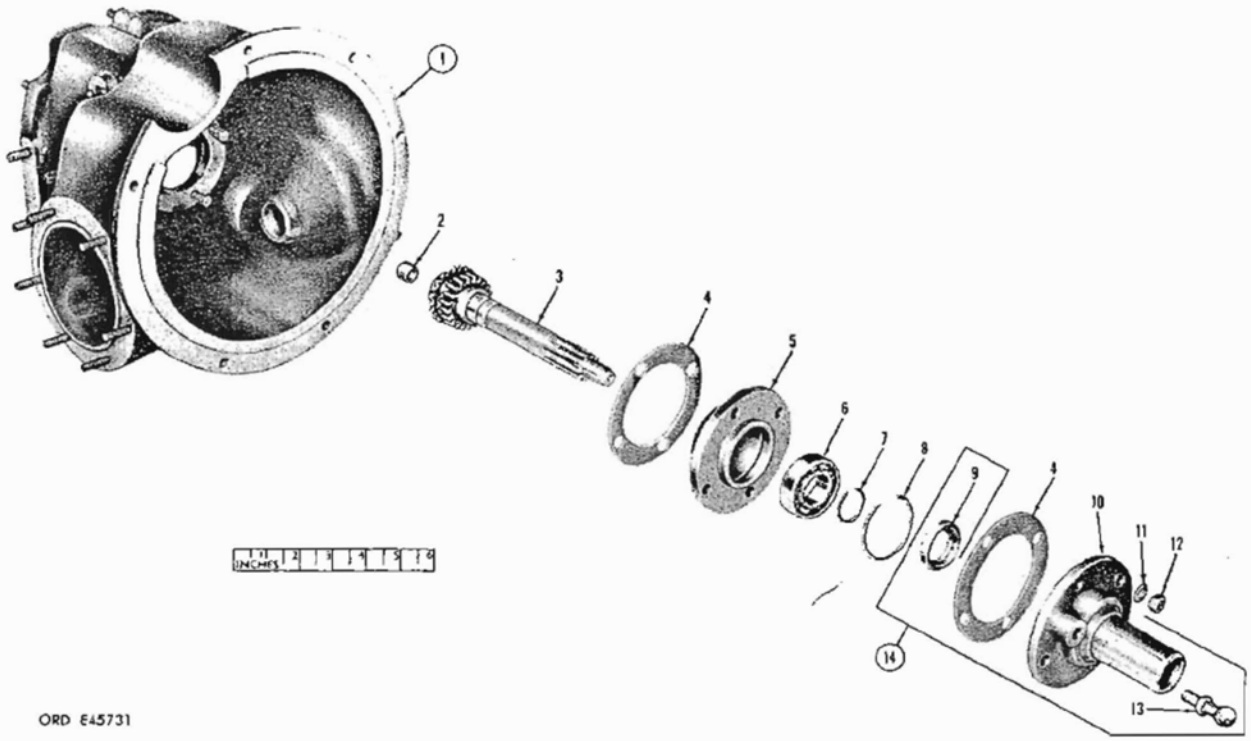
| (1) ILLUST | | (2) SOURCE, MAINT AND RECOVERABILITY CODE | | | | (3) | (4) | (5) | (6) | (7) 15-DAY MAINT ALW PER 100 EQUIP | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| (a) FIG NO | (b) ITEM NO | (a) MATERIEL CODE | (b) SOURCE | (c) MAINTENANCE LEVEL | (d) RECOVERABILITY | FEDERAL STOCK NO | DESCRIPTION | UNIT OF ISSUE | QTY INC IN UNIT | (a) 3RD ECH (DIR SUP) | (b) 4TH ECH (GEN SUP) |
| | | | | | | | Transmission and Rear Axle Assembly (fig. 30) | | | | |
| 30 | 1 | | P | F | R | 2520-561-9125 | TRANSMISSION: w/rear AXLE and HUBS, assy: Model M274 (7966967) | ea | 1 | | |
| | | | P | F | R | 2520-955-2007 | Model M274A1 (65909-935072) | ea | 1 | | |
| | 3 | | | | | | GASKET: (Refer to 5, fig. 32) (7966698) | | 1 | | |
| | 6 | | P | F | | 5310-012-0368 | NUT, PLAIN, HEXAGON: 5/16-24UNF-2B (96906-35690-525) | ea | 12 | | |
| | 7 | | P | O | | 5310-012-0214 | WASHER, LOCK: split, 5/16 in. screw size (96906-35338-26) | ea | 12 | | |
| | | | | | | | NON-ILLUSTRATED ITEMS | | | | |
| | | | P | F | | 2520-065-7539 | GASKET AND SEAL SET: rear axle and transmission (65909-934798) | ea | : | | |
| | | | | | | | Composed of: | | | | |
| | | | P | F | | 2520-697-3813 | 1 GASKET: bearing cage (☆) (7966698) | ea | | | |
| | | | P | F | | 2520-697-3878 | 4 GASKET: main and intermediate shaft bearing retainer (☆) (7966599) | ea | | | |
| | | | P | F | | 2520-697-3892 | 2 GASKET: main drive gear bearing retainer (☆) (7966596) | ea | | | |
| | | | P | O | | 2520-508-2309 | 2 GASKET: steering knuckle cover (☆) (7966597) | ea | | | |
| | | | P | F | | 2520-508-2310 | 1 GASKET: transmission case end cover (☆) (7966598) | ea | | | |
| | | | P | O | | 2530-678-3178 | 2 PACKING, PREFORMED: "O" ring, wheel hub (☆) (7045709) | ea | | | |
| | | | P | O | | 5330-954-1246 | 2 PACKING, PREFORMED: "O" ring, wheel hub (☆) (7953454) | ea | | | |
| | | | P | F | | 2520-697-4206 | 1 SEAL, PLAIN, ENCASED: axle shaft (inner) (☆) (7966787) | ea | | | |
| | | | P | F | | 2520-697-4286 | 2 SEAL, PLAIN, ENCASED: axle shaft (outer) (☆) (7966768) | ea | | | |
| | | | P | F | | | 2 SEAL, PLAIN, ENCASED: input shaft (M274A1 only) (Refer to 9, fig. 31 for M274) (☆) (65909-935864) | ea | | | |
| | | | P | F | | 2520-697-4305 | 1 SEAL, PLAIN, ENCASED: output shaft bearing cap (☆) (7966691) | ea | | | |
| | | | P | F | | 2520-697-4308 | 6 SEAL, PLAIN, ENCASED: shift rail oil (☆) (7966631) | ea | | | |
| | | | P | D | | 5330-954-1245 | 2 SEAL, PLAIN, ENCASED: wheel hub bearing (☆) (65909-922600) | ea | | | |




NON-SUPPLY ITEMS

2 – DROP GEAR HOUSING AND ASSOCIATED PARTS (Refer to fig. 24 for component parts)
4 – TRANSMISSION (Refer to figs. 31 through 37 for component parts)
5 – DROP GEAR HOUSING AND ASSOCIATED PARTS (Refer to fig. 24 for component parts)

Figure 30. Transmission and rear axle assembly – exploded view.




NON-SUPPLY ITEMS

1 — HOUSING ASSY (Refer to fig. 37 for component parts):
MODEL M274
MODEL M274A1

14 — RETAINER ASSY:
MODEL M274
MODEL M274A1 (65909-935886)

Figure 31. Transmission main drive gear and associated parts — exploded view.

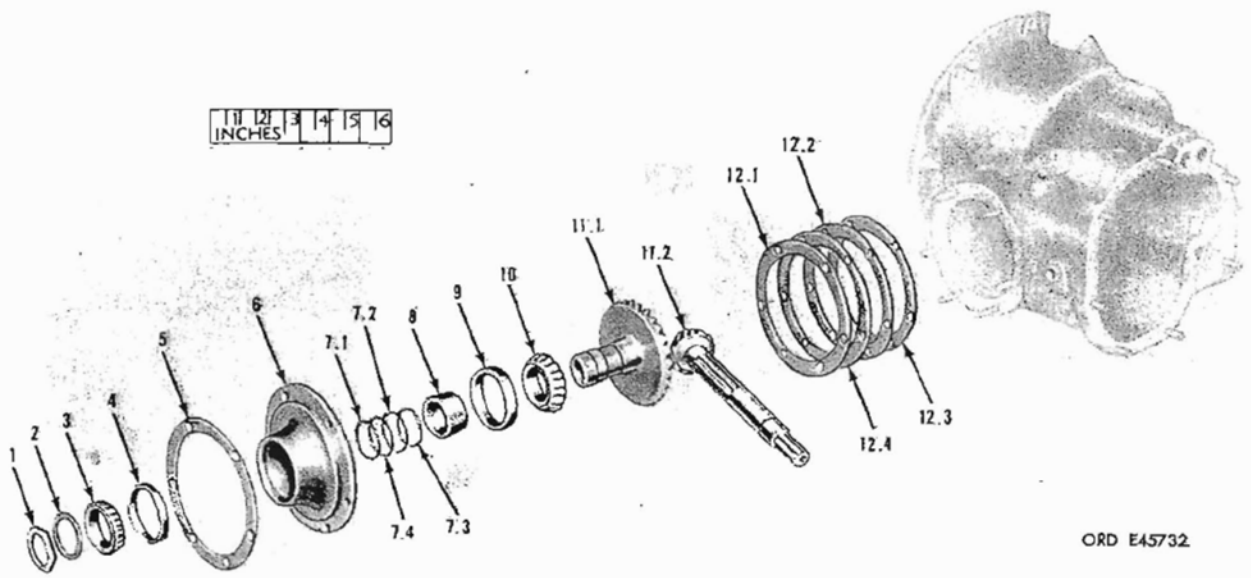
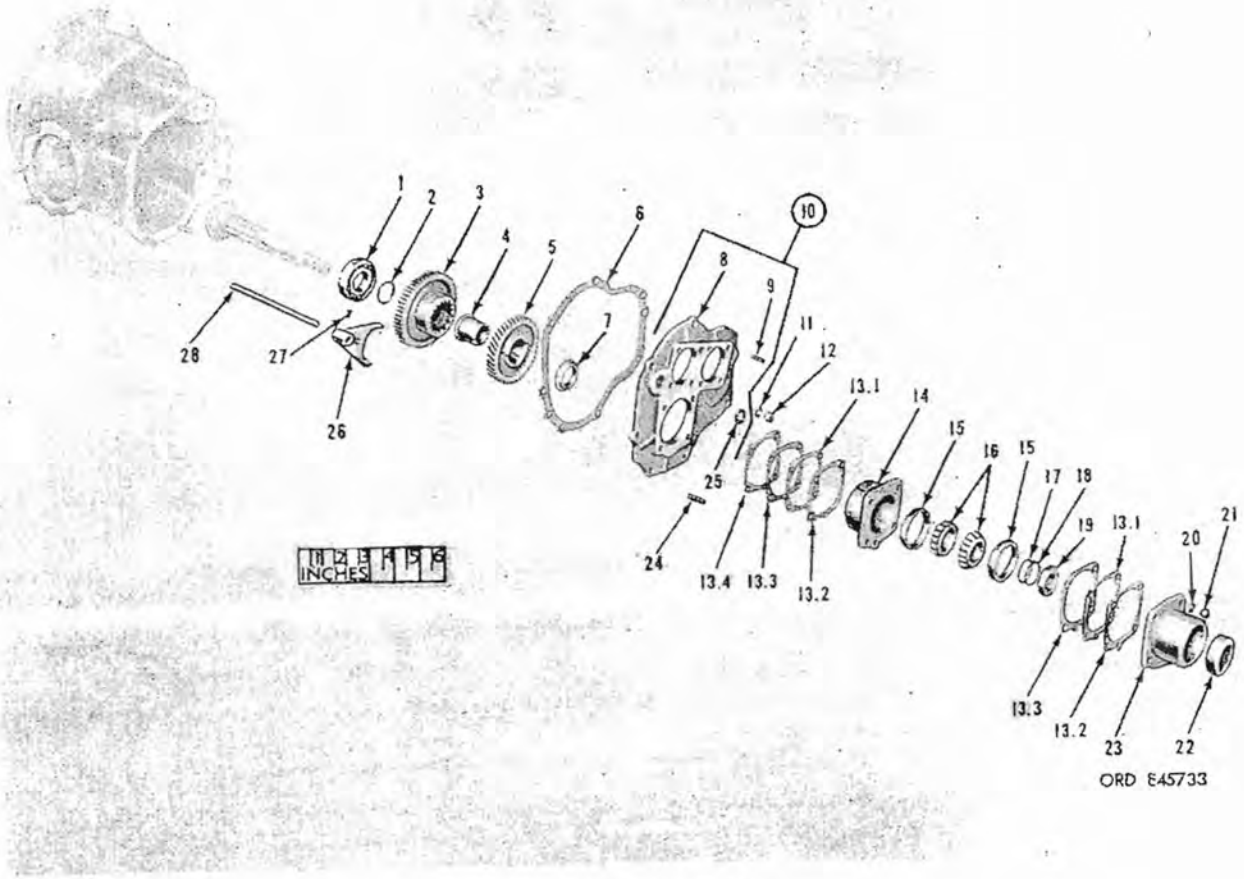



Figure 32. Rear axle pinion gear and associated parts — exploded view.

| (1) ILLUST (a) FIG NO | (1) ILLUST (b) ITEM NO | (2) SOURCE, MAINT AND RECOVERABILITY CODE (a) MATERIEL CODE | (b) SOURCE | (c) MAINTENANCE LEVEL | (d) RECOVERABILITY | (3) FEDERAL STOCK NO | (4) DESCRIPTION | (5) UNIT OF ISSUE | (6) QTY INC IN UNIT | (7) 15-DAY MAINT ALW PER 100 EQUIP (a) 3RD ECH (DIR SUP) | (7) 15-DAY MAINT ALW PER 100 EQUIP (b) 4TH ECH (GEN SUP) |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | Transmission Main Drive Gear and Associated Parts (fig. 31) | | | | |
| 31 | 2 | | P | F | | 3110-120-3084 | BEARING, ROLLER, NEEDLE: (709413) | ea | 1 | | |
| | 3 | | | | | | GEARSHAFT, SPUR: input: | | | | |
| | | | P | F | ✓ | 2520-561-9108 | Model M274 (8686929) | ea | 1 | | |
| | | | P | F | / | 2520-065-7540 | Model M274A1 (65909-935865) | ea | 1 | | |
| | 4 | | P | F | | 2520-697-3892 | GASKET: (☆GASKET AND SEAL SET - 2520-065-7539) (7966596) | ea | 1 | | |
| | 5 | | | | | | RETAINER, BEARING: | | | | |
| | | | P | F | | 2520-588-0006 | Model M274 (7760062) | ea | 1 | | |
| | | | P | F | | 2520-996-7277 | Model M274A1 (65909-927179) | ea | 1 | | |
| | 6 | | P | F | ✓ | 3110-144-8518 | BEARING, BALL, ANNULAR: (700078) | ea | 1 | | |
| | 7 | 5 | P | F | | 5340-281-6704 | RING, RETAINING: input shaft (15434-66071B) | ea | 1 | | |
| | 8 | | P | F | | 5340-698-4346 | RING, RETAINING: input shaft (7966658) | ea | 1 | | |
| | 9 | | | | | | SEAL, PLAIN, ENCASED: oil, input shaft: | | | | |
| | | | P | F | ✓ | 2520-571-6577 | Model M274 (8748919) | ea | 1 | | |
| | | | P | F | | | Model M274A1 (☆GASKET AND SEAL SET - 2520-065-7539) (65909-935864) | ea | 1 | | |
| | 10 | | | | | | RETAINER, BEARING: main drive gear, outer: | | | | |
| | | | P | F | | 2520-588-0005 | Model M274 (7760063) | ea | 1 | | |
| | | | P | F | | 2520-996-7278 | Model M274A1 (65909-927181) | ea | 1 | | |
| | 11 | | P | F | | 5310-012-0214 | WASHER, LOCK: split, 5/16 in. screw size (96906-35338-26) | ea | 4 | | |
| | 12 | | P | F | | 5310-012-0368 | NUT, PLAIN, HEXAGON: 5/16-24UNF-2B (96906-35690-525) | ea | 4 | | |
| | 13 | | P | F | | 5306-588-0020 | STUD, BALL: (7055683) | ea | 1 | | |
| | | | | | | | Rear Axle Pinion Gear and Associated Parts (fig. 32) | | | | |
| 32 | 1 | | P | F | | 5310-698-4409 | NUT, PLAIN, HEXAGON: (7966689) | ea | 1 | | |
| | 2 | | P | F | | 2520-697-4298 | WASHER, KEY: (7966808) | ea | 1 | | |
| | 3 | | P | F | / | 3110-100-3137 | CONE AND ROLLERS, TAPERED ROLLER BEARING: (705391) | ea | 1 | | |
| | 4 | | P | F | | 3110-100-0513 | CUP, TAPERED ROLLER BEARING: (7998565) | ea | 1 | | |
| | 5 | | P | F | | 2520-697-3813 | GASKET: (☆GASKET AND SEAL SET - 2520-697-4377, 2520-065-7541 and 2520-065-7539) (7966698) | | | | |
| | 6 | | P | F | | 2520-697-4412 | CAGE: drive gear bearing (7966917) | ea | 1 | | |
| | | | P | F | | 2520-561-9117 | SHIM SET: drive gear (5702426) | ea | ‡ | | |
| | 7.1 | | | | | | Composed of: | | | | |
| | 7.2 | | | | | | 2 SHIM: 0.003 in. thk (7966685) | | | | |
| | 7.3 | | | | | | 2 SHIM: 0.005 in. thk (7966686) | | | | |
| | 7.4 | | | | | | 2 SHIM: 0.010 in. thk (7966687) | | | | |
| | | | | | | | 1 SHIM: 0.030 in. thk (7966688) | | | | |
| | 8 | | P | F | | 2520-697-3861 | SPACER, SLEEVE: (7966684) | ea | 1 | | |
| | 9 | | P | F | | 3110-100-0512 | CUP, TAPERED ROLLER BEARING: (706817) | ea | 1 | | |
| | 10 | | P | F | ✓ | 3110-101-0786 | CONE AND ROLLERS, TAPERED ROLLER BEARING: (705389) | ea | 1 | | |
| | | | P | F | | 2520-698-6593 | GEAR SET, BEVEL, MATCHED: (7966817) | ea | 1 | | |
| | 11.1 | | | | | | Composed of: | | | | |
| | 11.2 | | | | | | 1 GEAR, DRIVE, BEVEL: (94537-914381) | | | | |
| | | | | | | | 1 PINION, DRIVE, BEVEL: (94537-914278) | | | | |
| | 12 | | P | F | | 2520-561-9117 | SHIM SET: drive gear (8686934) | ea | ‡ | | |
| | 12.1 | | | | | | Composed of: | | | | |
| | 12.2 | | | | | | 2 SHIM: 0.003 in. thk (94537-914364) | | | | |
| | 12.3 | | | | | | 2 SHIM: 0.005 in. thk (94537-914365) | | | | |
| | 12.4 | | | | | | 2 SHIM: 0.010 in. thk (94537-914366) | | | | |
| | | | | | | | 1 SHIM: 0.030 in. thk (94537-914367) | | | | |



✓ No NT PAC
(X) Yes " "

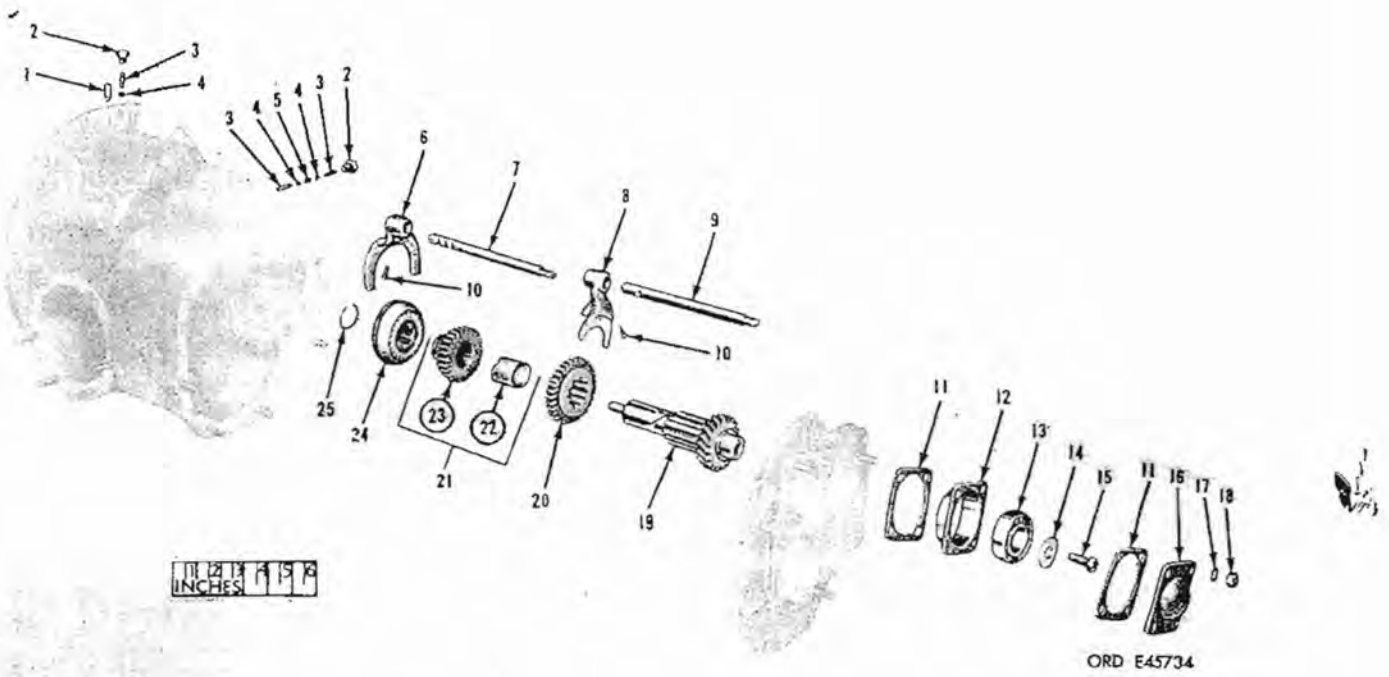



NON-SUPPLY ITEM

10 — COVER ASSY (8336251)

Figure 33. Rear axle drive gear and associated parts — exploded view.

| (1) ILLUST (a) FIG NO | (1) ILLUST (b) ITEM NO | (2) SOURCE, MAINT AND RECOVERABILITY CODE (a) MATERIEL CODE | (b) SOURCE | (c) MAINTENANCE LEVEL | (d) RECOVERABILITY | (3) FEDERAL STOCK NO | (4) DESCRIPTION | (5) UNIT OF ISSUE | (6) QTY INC IN UNIT | (7) 15-DAY MAINT ALW PER 100 EQUIP (a) 3RD ECH (DIR SUP) | (7) 15-DAY MAINT ALW PER 100 EQUIP (b) 4TH ECH (GEN SUP) |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | Rear Axle Drive Gear and Associated Parts (fig. 33) | | | | |
| 33 | 1 | | P | F | | 3110-144-8534 | BEARING, BALL, ANNULAR: (700080) | ea | 1 | | |
| | 2 | | P | F | | 5340-698-4194 | RING, RETAINING: (7966701) | ea | 1 | | |
| | 3 | | P | F | | 2520-508-2313 | GEAR, SPUR: low speed (7966666) | ea | 1 | | |
| | 4 | | P | F | | 2520-697-3798 | BEARING, SLEEVE: (7966669) | ea | 1 | | |
| | 5 | | P | F | | 2520-508-2314 | GEAR, SPUR: high speed (7966667) | ea | 1 | | |
| | 6 | | P | F | | 2520-508-2310 | GASKET: (✡ GASKET AND SEAL SET — 2520-065-7539) (7966598) | ea | 1 | | |
| | 7 | | P | F | | 2520-697-3807 | WASHER, THRUST: (7966670) | ea | 1 | | |
| | 8 | | P | F | | 2520-508-2294 | COVER ASSEMBLY: end (7966646) | ea | 1 | | |
| | 9 | | P | F | | 5307-698-4414 | STUD, PLAIN: main and intermediate shaft bearing retainer (5/16-24NF-3 x 5/16-18NCS x 1-1/4 in. lg) (7966528) | ea | 8 | | |
| | 11 | | P | F | | 5310-637-9541 | WASHER, LOCK: split, 3/8 in. screw size (96906-35338-46) | ea | 7 | | |
| | 12 | | P | F | | 5310-543-5653 | NUT, PLAIN, HEXAGON: 3/8-24UNF-2B (96906-35690-625) | ea | 7 | | |
| | | | P | F | | 2520-561-9115 | SHIM SET: output shaft bearing (5702427) | ea | * | | |
| | 13.1 | | | | | | Composed of: | | | | |
| | 13.2 | | | | | | 2 SHIM: 0.003 in. thk (7966704) | | | | |
| | 13.3 | | | | | | 2 SHIM: 0.005 in. thk (7966705) | | | | |
| | 13.4 | | | | | | 2 SHIM: 0.010 in. thk (7966706) | | | | |
| | | | | | | | 2 SHIM: 0.030 in. thk (7966707) | | | | |
| | 14 | | P | F | | 2520-508-2330 | RETAINER, BEARING: output shaft (7966690) | ea | 1 | | |
| | 15 | | P | F | | 3110-100-0639 | CUP, TAPERED ROLLER BEARING: (706799) | ea | 2 | | |
| | 16 | | P | F | | 3110-289-6482 | CONE AND ROLLER: (7966696) | ea | 2 | | |
| | 17 | | P | F | | 5310-698-4440 | WASHER, FLAT: (7966693) | ea | 1 | | |
| | 18 | | P | F | | 2520-697-4399 | WASHER, KEY: (7966803) | ea | 1 | | |
| | 19 | | P | F | | 5310-698-4420 | NUT, PLAIN, HEXAGON: (7966714) | ea | 1 | | |
| | 20 | | P | F | | 5310-012-0214 | WASHER, LOCK: split, 5/16 in. screw size (96906-35338-26) | ea | 4 | | |
| | 21 | | P | F | | 5310-012-0368 | NUT, PLAIN, HEXAGON: 5/16-24UNF-2B (96906-35690-525) | ea | 4 | | |
| | 22 | | P | F | | 2520-697-4305 | SEAL, PLAIN ENCASED: output shaft (✡ GASKET AND SEAL SET — 2520-065-7539) (7966691) | ea | 1 | | |
| | 23 | | P | F | | 2520-508-2327 | RETAINER, BEARING: (7966694) | ea | 1 | | |
| | 24 | | P | F | | 5307-698-4402 | STUD, PLAIN: output shaft bearing retainer (5/16-18NC x 5/16-24NC-3 x 1-1/2 in. lg) (7966648) | ea | 4 | | |
| | 25 | | P | F | | 2520-697-4308 | SEAL, PLAIN, ENCASED: gear shifter shaft (✡ GASKET AND SEAL SET — 2520-065-7539) (7966631) | ea | 2 | | |
| | 26 | | P | F | | 2520-508-2308 | FORK, RANGE SHIFT: high and low range (7966673) | ea | 1 | | |
| | 27 | | P | F | | 5305-698-3899 | SETSCREW: (7966632) | ea | 3 | | |
| | 28 | | P | F | | 2520-508-2353 | SHAFT: gear shift (high and low range) (7966629) | ea | 1 | | |

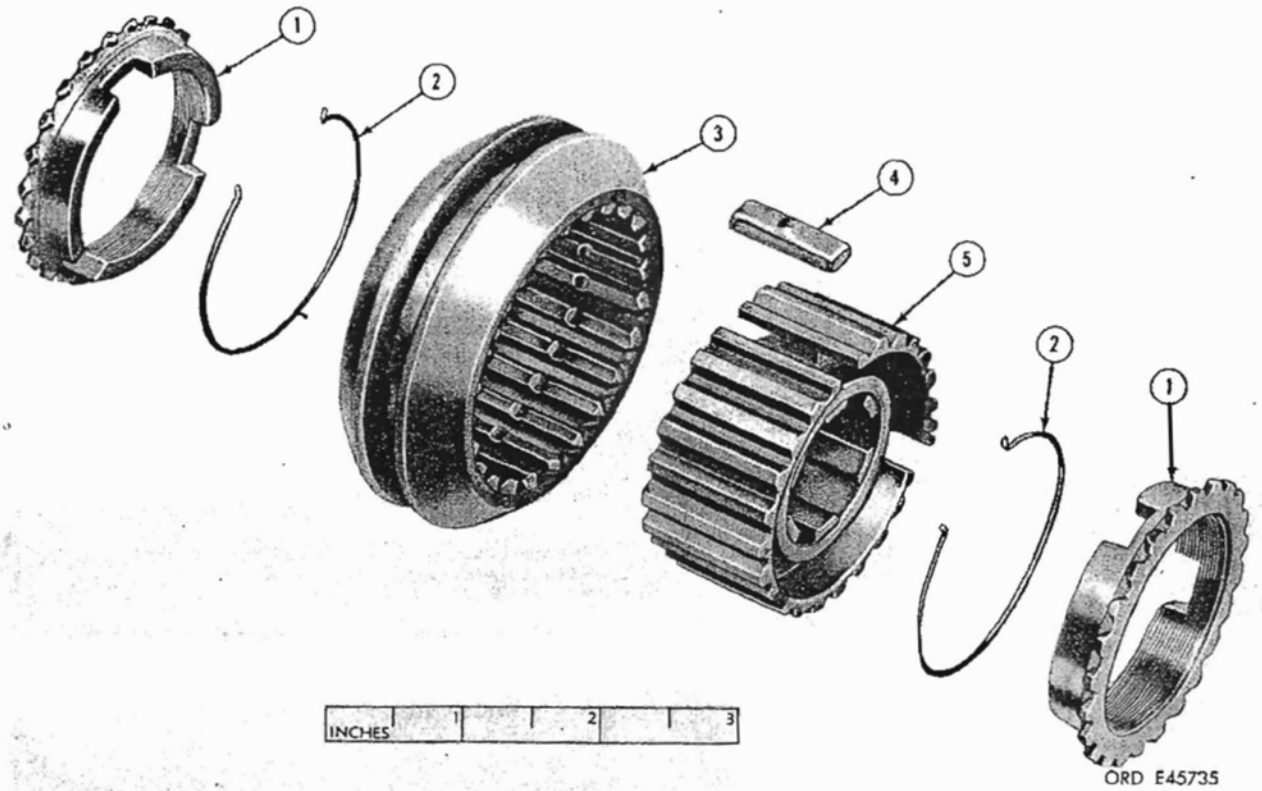



NON-SUPPLY ITEMS

22 – BEARING (8336249)
23 – GEAR (8336250)

Figure 34. Transmission main shaft and associated parts – exploded view.

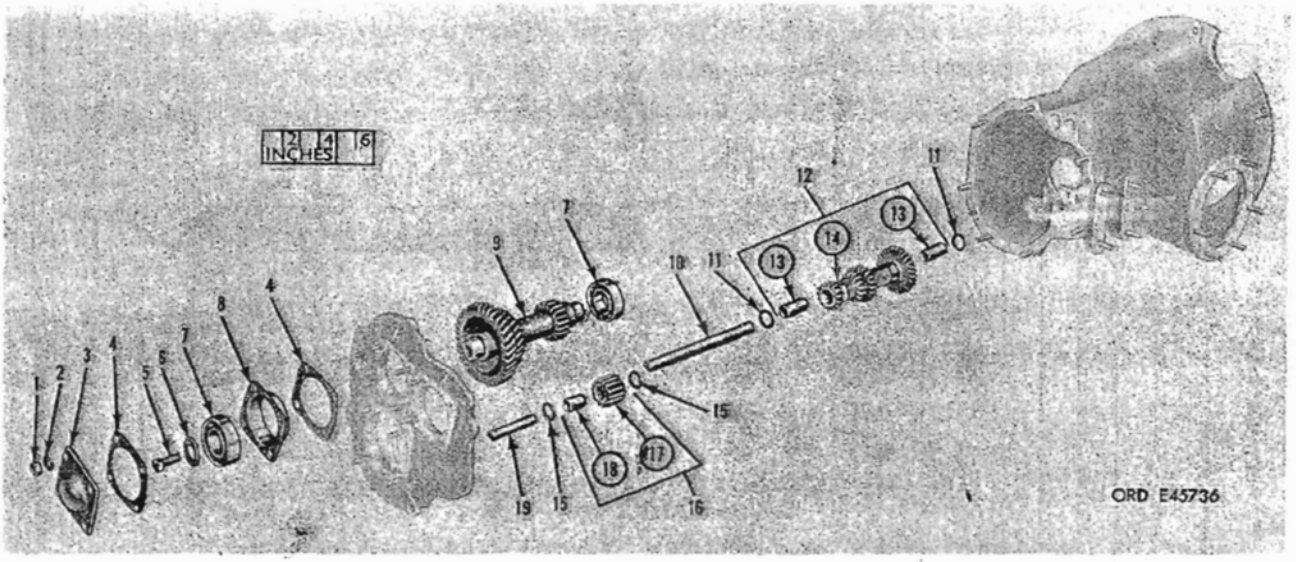
| (1) ILLUST | | (2) SOURCE, MAINT AND RECOVERABILITY CODE | | | | (3) | (4) | (5) | (6) | (7) 15-DAY MAINT ALW PER 100 EQUIP | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| (a) FIG NO | (b) ITEM NO | (a) MAT'L/EL CODE | (b) SOURCE | (c) MAINTENANCE LEVEL | (d) RECOVERABILITY | FEDERAL STOCK NO | DESCRIPTION | UNIT OF ISSUE | QTY INC IN UNIT | (a) 3RD ECH (DIR SUPT) | (b) 4TH ECH (GEN SUPT) |
| | | | | | | | Transmission Main Shaft and Associated Parts (fig. 34) | | | | |
| 34 | 1 | | P | O | | 4820-353-1205 | VENT ASSEMBLY: (Model M274) (7966661) | ea | 1 | | |
| | 2 | | | | | | PLUG, POPPET: shifter shaft: | | | | |
| | | | P | F | | 4730-769-6481 | Model M274 (7696481) | ea | 2 | | |
| | | | P | F | | 4730-769-6481 | Model M274A1 (7696481) | ea | 3 | | |
| | 3 | | P | F | | 2520-569-0810 | SPRING, HELICAL, COMPRESSION: transmission shift shaft (IUE, then use SPRING - 2520-627-2861) (No Number) | ea | 3 | | |
| | 3 | | P | F | | 2520-627-2861 | SPRING, HELICAL, COMPRESSION: transmission shift shaft (use only after stock of SPRING - 2520-569-0810 is exhausted) (7089670) | ea | 3 | | |
| | 4 | | P | F | | 3110-100-6151 | BALL, BEARING: (145629) | ea | 3 | | |
| | 5 | | P | F | | 5315-569-0975 | PIN, STRAIGHT, HEADLESS: (7966675) | ea | 1 | | |
| | 6 | | P | F | | 2520-536-2789 | FORK, GEAR SHIFT: transmission (second and high) (8687099) | ea | 1 | | |
| | 7 | | | | | | SHAFT, GEAR SHIFT: second and high: | | | | |
| | | | P | F | | 2520-536-2788 | Model M274 (8687087) | ea | 1 | | |
| | | | P | F | | 2520-996-7275 | Model M274A1 (65909-933612) | ea | 1 | | |
| | 8 | | P | F | | 2520-508-2307 | SHIFTER FORK: first and reverse (7966672) | ea | 1 | | |
| | 9 | | P | F | | 2520-508-2352 | SHAFT, GEAR SHIFT: first and reverse (7966628) | ea | 1 | | |
| | 10 | | P | F | | 5305-698-3899 | SETSCREW: 1/4-28NF-3 x 1/2 in. lg (7966632) | ea | 2 | | |
| | 11 | | P | F | | 2520-697-3878 | GASKET: ( ✡ GASKET AND SEAL SET - 2520-065-7539) (7966599) | ea | 2 | | |
| | 12 | | P | F | | 2520-508-2334 | RETAINER, BEARING: output shaft (7966708) | ea | 1 | | |
| | 13 | | P | F | | 3110-144-8518 | BEARING, BALL, ANNULAR: main shaft (700078) | ea | 1 | | |
| | 14 | 10 | P | F | | 5310-655-9648 | WASHER, FLAT: (8764611) | ea | 1 | | |
| | 15 | | C | F | | 5306-678-4778 | BOLT, SELF-LOCKING: hex-hd, 3/8-24 x 7/8 in. lg (8764610) | ea | 1 | | |
| | 16 | | P | F | | 2520-508-2333 | RETAINER, BEARING: (7966695) | ea | 1 | | |
| | 17 | | P | F | | 5310-012-0214 | WASHER, LOCK: split, 5/16 in. screw size (96906-35338-26) | ea | 4 | | |
| | 18 | | P | F | | 5310-012-0368 | NUT, PLAIN, HEXAGON: 5/16-24UNF-2B (96906-35690-525) | ea | 4 | | |
| | 19 | | | | | | GEARSHAFT, HELICAL: main shaft: | | | | |
| | | | P | F | | 2520-561-9118 | Model M274 (8686930) | ea | 1 | | |
| | | | P | F | | 2520-996-7279 | Model M274A1 (65909-933698) | ea | 1 | | |
| | 20 | | P | F | | 2520-697-3866 | GEAR, SPUR: first and reverse (7966711) | ea | 1 | | |
| | 21 | | P | F | | 2520-561-9110 | GEAR, SPUR: second speed (8686931) | ea | 1 | | |
| | 24 | | P | F | | 2520-561-9111 | SYNCHRONIZER ASSEMBLY: (Refer to fig. 35 for component parts) (8686932) | ea | 1 | | |
| | 25 | | C | F | | 5340-360-8138 | RING, RETAINING: (7372452) | ea | 1 | | |




NON-SUPPLY ITEMS

1 – RING (65909-6266117)
2 – SPRING (65909-5307456)
3 – SLEEVE (8336241)
4 – PLATE (8336240)
5 – HUB (8336239)

Figure 35. Synchronizer assembly.



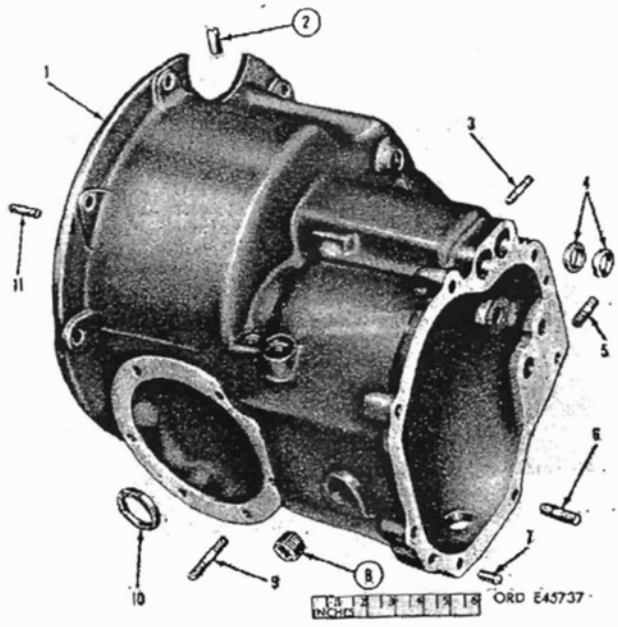

NON-SUPPLY ITEMS

13 – BEARING (8336235)
14 – GEAR (8336245)
17 – GEAR (8336243)
18 – BEARING (8336244)

Figure 36. Transmission intermediate shaft, gears, and associated parts – exploded view.

| (1) ILLUST | | (2) SOURCE, MAINT AND RECOVERABILITY CODE | | | | (3) | (4) | (5) | (6) | (7) 15-DAY MAINT A(W PER 100 EQUIP | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| (a) FIG NO | (b) ITEM NO | (a) MATERIEL CODE | (b) SOURCE | (c) MAINTENANCE LEVEL | (d) RECOVERABILITY | FEDERAL STOCK NO | DESCRIPTION | UNIT OF ISSUE | QTY INC IN UNIT | (a) 3RD ECH (DIR SUP) | (b) 4TH ECH (GEN SUP) |
| | | | | | | | Transmission Intermediate Shaft, Gears, and Associated Parts (fig. 36) | | | | |
| 36 | 1 | | P | F | | 5310-012-0368 | NUT, PLAIN, HEXAGON: 5/16-24UNF-2B (96906-35690-525) | ea | 4 | | |
| | 2 | | P | F | | 5310-012-0214 | WASHER, LOCK: split, 5/16 in. screw size (96906-35338-26) | ea | 4 | | |
| | 3 | | P | F | | 2520-508-2333 | RETAINER, BEARING: (7966695) | ea | 1 | | |
| | 4 | | P | F | | 2520-697-3878 | GASKET: ( ✡ GASKET AND SEAL SET — 2520-065-7539) (7966599) | ea | 2 | | |
| | 5 | | C | F | | 5306-678-4778 | BOLT, SELF-LOCKING: hex-hd, 3/8-24 x 7/8 in. lg (8764610) | ea | 1 | | |
| | 6 | 10 | P | F | | 5310-655-9648 | WASHER, FLAT: (8764611) | ea | 1 | | |
| | 7 | | P | F | | 3110-144-8518 | BEARING, BALL, ANNULAR: intermediate shaft (700078) | ea | 2 | | |
| | 8 | | P | F | | 2520-508-2334 | RETAINER, BEARING: (7966708) | ea | 1 | | |
| | 9 | | | | | | GEARSHAFT, BEVEL SPUR: intermediate: | | | | |
| | | | P | F | | 2520-508-2318 | Model M274 (7966668) | ea | 1 | | |
| | | | P | F | | 2520-996-7274 | Model M274A1 (65909-933697) | ea | 1 | | |
| | 10 | | P | F | | 2520-508-2351 | SHAFT: countershaft cluster gear (7966637) | ea | 1 | | |
| | 11 | | P | F | | 2520-697-4299 | WASHER, THRUST: (7966639) | ea | 2 | | |
| | 12 | | P | F | | 2520-508-2311 | GEAR: countershaft cluster (7966635) | ea | 1 | | |
| | 15 | | P | F | | 5310-697-3851 | WASHER, THRUST: (7966640) | ea | 2 | | |
| | 16 | | P | F | | 2520-508-2312 | GEAR, SPUR: reverse idler (7966636) | ea | 1 | | |
| | 19 | | P | F | | 2520-508-2340 | SHAFT: reverse idler gear (7966638) | ea | 1 | | |

| (1) ILLUST | | (2) SOURCE, MAINT AND RECOVERABILITY CODE | | | | (3) | (4) | (5) | (6) | (7) 15-DAY MAINT ALW PER 100 EQUIP | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| (a) FIG NO | (b) ITEM NO | (a) MATERIEL CODE | (b) SOURCE | (c) MAINTENANCE LEVEL | (d) RECOVERABILITY | FEDERAL STOCK NO | DESCRIPTION | UNIT OF ISSUE | QTY INC IN UNIT | (a) 3RD ECH (DIR SUP) | (b) 4TH ECH (GEN SUP) |
| | | | | | | | Transmission and Rear Axle Housing Assembly (fig. 37) | | | | |
| 37 | 1 | | | | | | HOUSING ASSEMBLY: | | | | |
| | | | P | F | | 2520-697-4331 | Model M274 (7966802) ---------- | ea | 1 | | |
| | | | P | F | | 2520-996-7276 | Model M274A1 (65909-933590) ---------- | ea | 1 | | |
| | 3 | | P | F | | 5307-698-4388 | STUD, PLAIN: drop gear housing to transmission housing (5/16-18NC x 5/16-24NF-3 x 1-1/2 in. lg) (7966649) | ea | 6 | | |
| | 4 | | P | F | | 2520-697-4308 | SEAL, PLAIN, ENCASED: ( ☆ GASKET SET - 2520-065-7539) (7966631) | ea | 4 | | |
| | 5 | | P | F | | 5307-569-0957 | STUD, PLAIN: steering bracket (3/8-16NC x 3/8-24NF-3 x 1-1/2 in. lg) (7966508) | ea | 4 | | |
| | 6 | | P | F | | 5307-698-4400 | STUD, PLAIN: (3/8-17NCS x 3/8-24NF-3 x 1-3/8 in. lg) (7966647) | ea | 7 | | |
| | 7 | | P | F | | 5315-014-1217 | PIN, STRAIGHT, HEADLESS: 5/16 x 5/8 in. lg (141217) | ea | 2 | | |
| | 9 | | P | F | | 5307-698-4406 | STUD, PLAIN: drop gear housing to transmission housing (5/16-18NCS x 5/16-24NF-3 x 1-3/4 in. lg) (7966650) | ea | 4 | | |
| | 10 | | P | F | | 2520-697-4206 | SEAL, PLAIN, ENCASED: (☆ GASKET AND SEAL SET - 2520-697-4337, 2520-065-7541 and 2520-065-7539) (7966787) | ea | 1 | | |
| | 11 | | P | F | | 5307-587-1439 | STUD, PLAIN: drive gear bearing retainer (5/16-18NC x 5/16-24NF x 1.685 in. lg) (7055670) | ea | 4 | | |

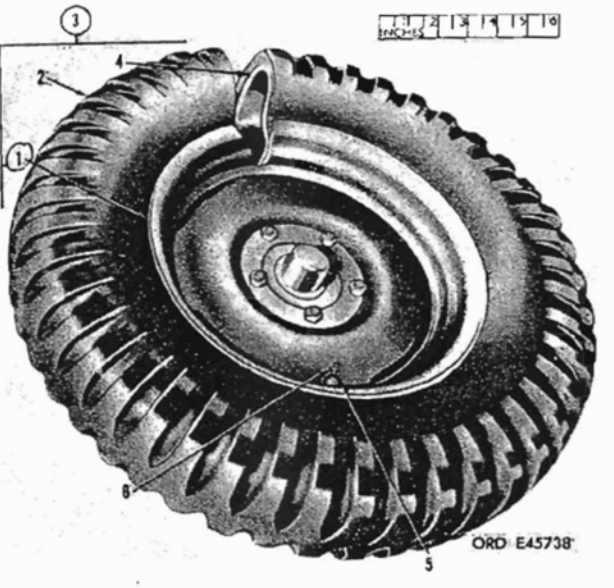



NON-SUPPLY ITEMS

2 - BUSHING (7760079) 8 - PLUG (444667)

Figure 37. Transmission and rear axle housing assembly - exploded view.

| (1) ILLUST | | (2) SOURCE, MAINT AND RECOVERABILITY CODE | | | | (3) | (4) | (5) | (6) | (7) 15-DAY MAINT ALW PER 100 EQUIP | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| (a) FIG NO | (b) ITEM NO | (a) MATERIEL CODE | (b) SOURCE | (c) MAINTENANCE LEVEL | (d) RECOVERABILITY | FEDERAL STOCK NO | DESCRIPTION | UNIT OF ISSUE | QTY INC IN UNIT | (a) 3RD ECH (10R SUP) | (b) 4TH ECH (GEN SUP) |
| | | | | | | | Wheel and Tire Assembly (fig. 38) | | | | |
| 38 | 1 | X | P | O | S | 2530-697-4310 | WHEEL, PNEUMATIC TIRE: industrial type (7966747) ---- | ea | 4 | | |
| | 2 | X | P | O | R | 2610-569-0815 | TIRE, PNEUMATIC: 7.50-10 (96906-35388-89) ---------- | ea | 4 | | |
| | 4 | X | P | O | R | 2610-591-2859 | INNER TUBE, PNEUMATIC TIRE: (IUE, then use INNER TUBE - 2610-569-0817) (No Number) | ea | 4 | | |
| | | X | P | O | R | 2610-569-0817 | INNER TUBE, PNEUMATIC TIRE: (use only after stock of INNER TUBE - 2610-591-2859 is exhausted) (96906-35392-82) | ea | 4 | | |
| | 5 | | C | O | | 2640-050-1229 | VALVE CORE, PNEUMATIC TIRE: (501229) ---------- | ea | 4 | | |
| | 6 | | C | O | | 2640-052-0944 | CAP, TIRE VALVE: (520944) ---------- | ea | 4 | | |
| | | | | | | | NON-ILLUSTRATED ITEMS | | | | |
| | | 5 | P | O | | 5310-050-3351 | NUT, ELASTIC STOP: 3/8-24 (wheel mounting) (503351) | ea | 20 | | |
| | | | P | O | | 2640-219-8388 | SLEEVE: mounting, tire valve (520894) ---------- | ea | 4 | | |
| | | | P | O | | 5310-698-4499 | WASHER, FLAT: 3/8 in. bolt size (wheel mounting) (7966785) | ea | 20 | | |

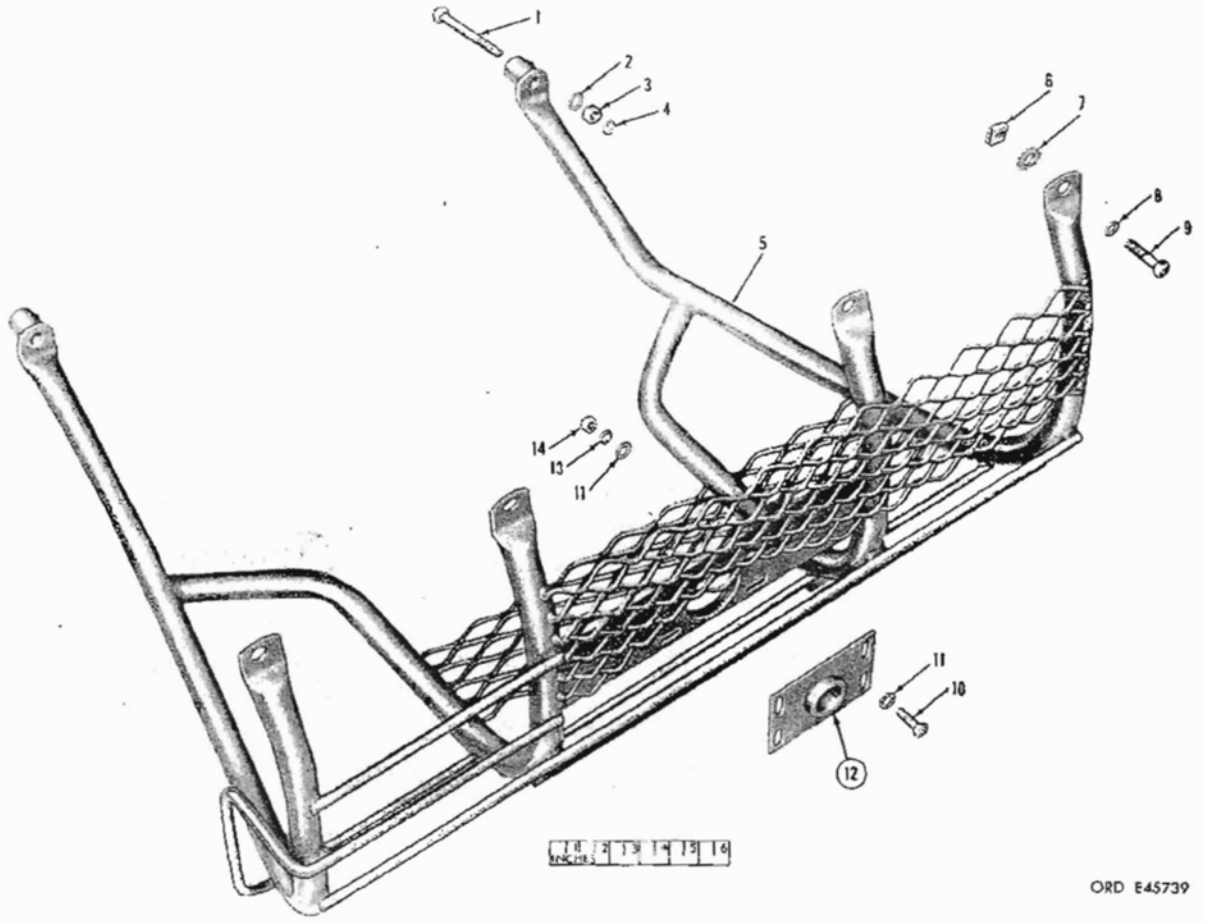



NON-SUPPLY ITEM

3 - WHEEL AND TIRE ASSY (811097)

Figure 38. Wheel and tire assembly.

| (1) ILLUST | | (2) SOURCE, MAINT AND RECOVERABILITY CODE | | | | (3) FEDERAL STOCK NO | (4) DESCRIPTION | (5) UNIT OF ISSUE | (6) QTY INC IN UNIT | (7) 15-DAY MAINT ALW PER 100 EQUIP | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| (a) FIG NO | (b) ITEM NO | (a) MATERIEL CODE | (b) SOURCE | (c) MAINTENANCE LEVEL | (d) RECOVERABILITY | | | | | (a) 3RD ECH (DIR SUP) | (b) 4TH ECH (GEN SUP) |
| | | | | | | | Engine Guard Assembly (Model M274) (fig. 39) | | | | |
| 39 | 1 | | P | F | | 5305-206-0001 | BOLT, MACHINE: hex-hd, 7/16-20UNF x 4-1/2 in. lg (187612) | ea | 2 | | |
| | 2 | | | | | | WASHER, LOCK: (Refer to 2, fig. 44) (120383) -------- | | 2 | | |
| | 3 | | | | | | NUT, PLAIN, HEXAGON: (Refer to 3, fig. 44) (120370) - | | 2 | | |
| | 4 | | | | | | NUT, STAMPED: (Refer to 4, fig. 44) (107824) -------- | | 2 | | |
| | 5 | | P | O | | 2510-565-5162 | GUARD: engine (8687002) ---------- | ea | 1 | | |
| | 6 | | P | O | | 5310-045-0510 | NUT, PLAIN, SQUARE: 3/8-24UNF-2B (450510) ---------- | ea | 4 | | |
| | 7 | | P | O | | 5310-011-4606 | WASHER, LOCK: ext-teeth, 3/8 in. bolt size (96906-35335-7) | ea | 4 | | |
| | 8 | | P | O | | 5310-012-0381 | WASHER, LOCK: split, 3/8 in. screw size (96906-35337-27) | ea | 4 | | |
| | 9 | | P | O | | 5305-806-0218 | SCREW, CAP, HEXAGON HEAD: 3/8-24UNF-2A x 7/8 in. lg (96906-35292-59) | ea | 4 | | |
| | 10 | | P | O | | 5306-576-5809 | BOLT, MACHINE: 5/16-24UNF x 7/8 in. lg (96906-35292-33) | ea | 4 | | |
| | 11 | | P | O | | 5310-616-3023 | WASHER, FLAT: 5/16 in. bolt size (96906-15795-212) ----- | ea | 8 | | |
| | 13 | | P | O | | 5310-012-0214 | WASHER, LOCK: 5/16 in. screw size (96906-35338-26) -- | ea | 4 | | |
| | 14 | | P | D | | 5310-012-0368 | NUT, PLAIN, HEXAGON: 5/16-24UNF-2B (96906-35690-525) | ea | 4 | | |

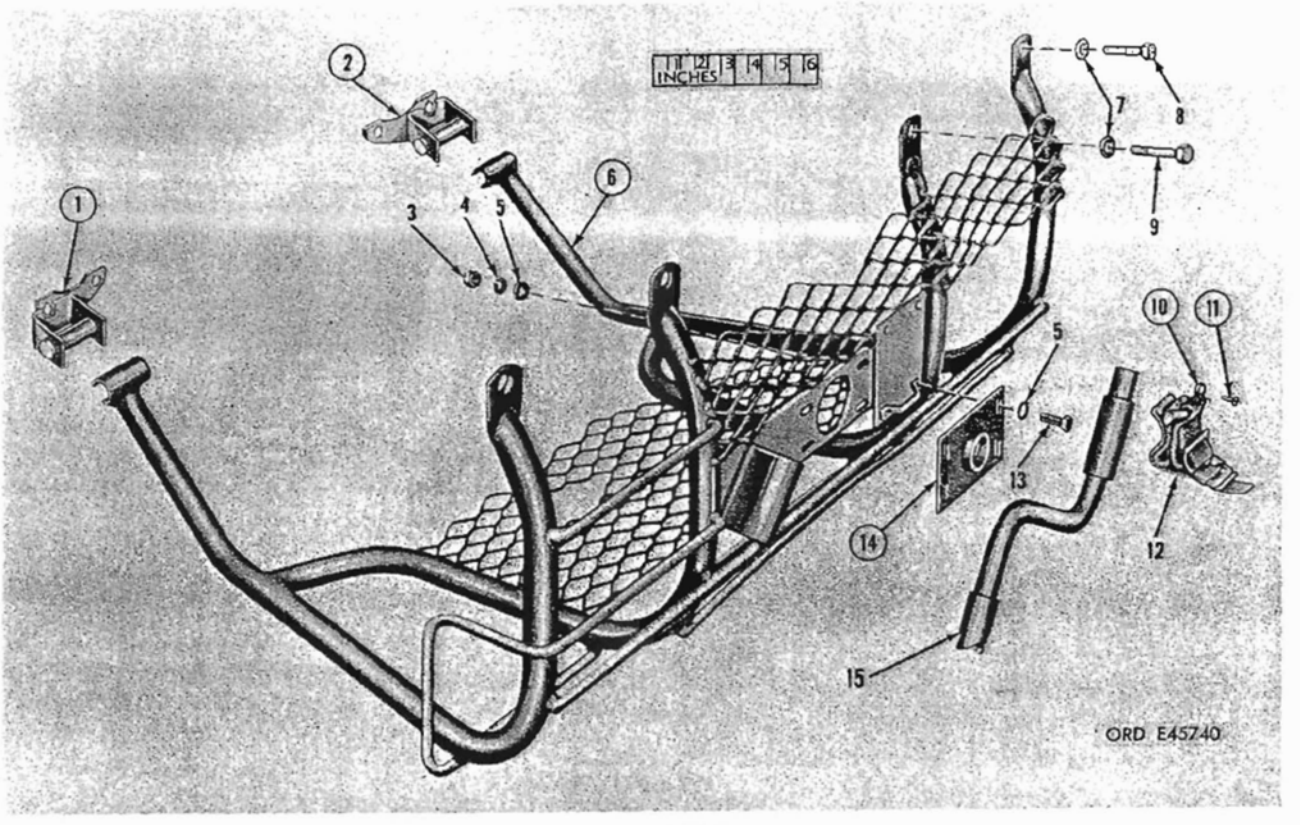



NON-SUPPLY ITEM

12 – PLATE (8336337)

Figure 39. Engine guard assembly (Model M274).

| (1) ILLUST | | (2) SOURCE, MAINT AND RECOVERABILITY CODE | | | | (3) | (4) | (5) | (6) | (7) 15-DAY MAINT ALW PER 100 EQUIP | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| (a) FIG NO | (b) ITEM NO | (a) MATERIEL CODE | (b) SOURCE | (c) MAINTENANCE LEVEL | (d) RECOVERABILITY | FEDERAL STOCK NO | DESCRIPTION | UNIT OF ISSUE | QTY INC IN UNIT | (a) 3RD ECH (DIR SUP) | (b) 4TH ECH (GEN SUP) |
| | | | | | | | Engine Guard Assembly (Model M274A1) (fig. 40) | | | | |
| 40 | 3 | | P | O | | 5310-012-0368 | NUT, PLAIN, HEXAGON: 5/16-24UNF-2B (96906-35690-525) | ea | 4 | | |
| | 4 | | P | O | | 5310-012-0214 | WASHER, LOCK: 5/16 in. screw size (96906-35338-26) -- | ea | 4 | | |
| | 5 | | P | O | | 5310-616-3023 | WASHER, FLAT: 11/32 id, 11/16 od, 0.065 in. thk (96906-15795-212) | ea | 8 | | |
| | 7 | | P | O | | 5310-012-0381 | WASHER, LOCK: 3/8 in. screw size (96906-35337-27) --- | ea | 4 | | |
| | 8 | | P | O | | 5305-637-4046 | SCREW, CAP, HEXAGON HEAD: 3/8-24UNF-2A x 1.00 in. lg (120647) | ea | 3 | | |
| | 9 | | P | O | | 5305-012-0677 | SCREW, CAP, HEXAGON HEAD: 3/8-24UNF-2A x 1-1/2 in. lg (120677) | ea | 1 | | |
| | 12 | | P | O | | 2540-953-4887 | STRAP ASSEMBLY: (65909-928467) ---------- | ea | 1 | | |
| | 13 | | P | O | | 5306-576-5809 | BOLT, MACHINE: 5/16-24UNF-2A x 7/8 in. lg (96906-35292-33) | ea | 4 | | |
| | 15 | | P | F | | 2990-630-5593 | CRANK, HAND: starting and wheel nut, assy (8336133) - | ea | 15 | | |

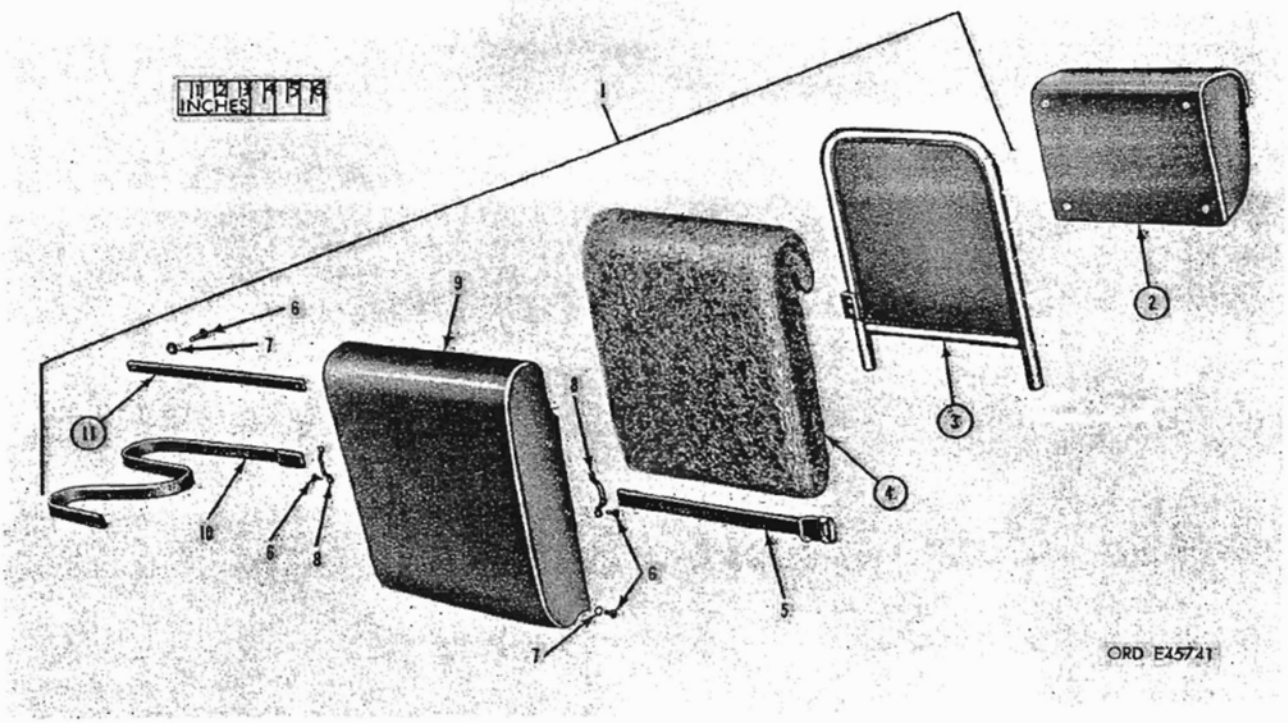



NON-SUPPLY ITEMS

1 – BRACKET (65909-924222)
2 – BRACKET (65909-924225)
6 – GUARD (65909-954300)
10 – LOOP (7697591)
11 – SCREW (155937)
14 – PLATE (8336337)

Figure 40. Engine guard assembly (Model M274A1).

| (1) ILLUST (a) FIG NO | (1) ILLUST (b) ITEM NO | (2) SOURCE, MAINT AND RECOVERABILITY CODE (a) MATERIEL CODE | (b) SOURCE | (c) MAINTENANCE LEVEL | (d) RECOVERABILITY | (3) FEDERAL STOCK NO | (4) DESCRIPTION | (5) UNIT OF ISSUE | (6) QTY INC IN UNIT | (7) 15-DAY MAINT ALW PER 100 EQUIP (a) 3RD ECH (DIR SUP) | (7) 15-DAY MAINT ALW PER 100 EQUIP (b) 4TH ECH (GEN SUP) |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | Seat Back Assembly and Associated Parts (fig. 41) | | | | |
| 41 | 1 | | P | O | | 2540-562-8649 | BACK REST, SEAT: Model M274 (8686978) | ea | 1 | | |
| | | | P | O | | 2540-953-4858 | Model M274A1 (65909-962140) | ea | 1 | | |
| | 5 | | P | O | | 5340-506-1501 | STRAP, LEATHER: (Model M274) (592636) | ea | 1 | | |
| | 6 | | | | | | SCREW, TAPPING, THREAD FORMING: | | | | |
| | | | P | O | | 5305-011-1687 | Model M274 (111687) | ea | 18 | | |
| | | | P | O | | 5305-011-1687 | Model M274A1 (445563) | ea | 17 | | |
| | 7 | | | | | | WASHER, FINISHING: no. 10 screw size: | | | | |
| | | | P | O | | 5310-014-0241 | Model M274 (140241) | ea | 14 | | |
| | | | P | O | | 5310-014-0241 | Model M274A1 (140241) | ea | 13 | | |
| | 8 | 10 | P | O | | 3540-653-7275 | LOOP: footman (7697591) | ea | 2 | | |
| | 9 | | P | F | | 2540-562-8650 | COVER ASSEMBLY: (8686977) | ea | 1 | | |
| | 10 | | P | O | | 5340-505-6241 | STRAP, WEBBING: (Model M274) (547617) | ea | 1 | | |

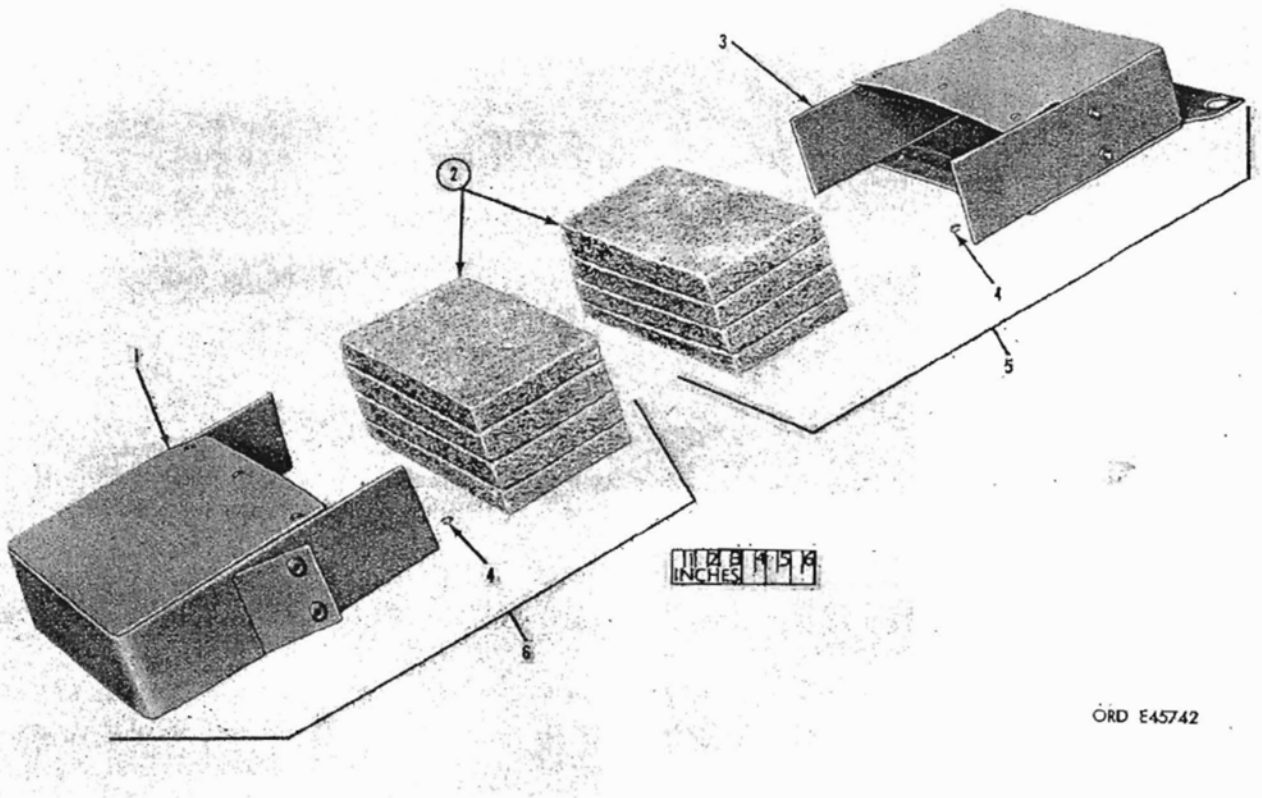



NON-SUPPLY ITEMS

2 – ENVELOPE ASSY (Model M274A1 only) (65909-962257)
3 – BACK:
MODEL M274 (94537-699056)
MODEL M274AI (65909-962094)
4 – PAD (8336282)
11 – REINFORCEMENT:
MODEL M274 (94537-699427)
MODEL M274A1 (65909-962181)

Figure 41. Seat back assembly and associated parts – exploded view.

| (1) ILLUST | | (2) SOURCE, MAINT AND RECOVERABILITY CODE | | | | (3) | (4) | (5) | (6) | (7) 15-DAY MAINT ALW PER 100 EQUIP | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| (a) FIG NO | (b) ITEM NO | (a) MAINTENANCE CODE | (b) SOURCE | (c) MAINTENANCE LEVEL | (d) RECOVERABILITY | FEDERAL STOCK NO | DESCRIPTION | UNIT OF ISSUE | QTY INC IN UNIT | (a) 3RD ECH (DIR SUPT) | (b) 4TH ECH (GEN SUPT) |
| | | | | | | | Seat Cushion Assembly (fig. 42) | | | | |
| 42 | 1 | | P | F | | 2540-562-8652 | COVER ASSEMBLY: seat cushion (front half) (8686974) - | ea | 1 | | |
| | 3 | | P | F | | 2540-562-8648 | COVER ASSEMBLY: seat cushion (rear half) (8686979) -- | ea | 1 | | |
| | 4 | | P | O | | 5340-368-4937 | CLIP: (7697531) ---------- | ea | 4 | | |
| | 5 | | X2 | O | R | 2540-562-8651 | CUSHION, SEAT, VEHICULAR: rear half (8686976) ------- | ea | 1 | | |
| | 6 | | X2 | O | R | 2540-562-8654 | CUSHION, SEAT, VEHICULAR: front half (8686975) ------ | ea | 1 | | |




NON-SUPPLY ITEM

2 – PAD (8336281)

Figure 42. Seat cushion assembly – exploded view.

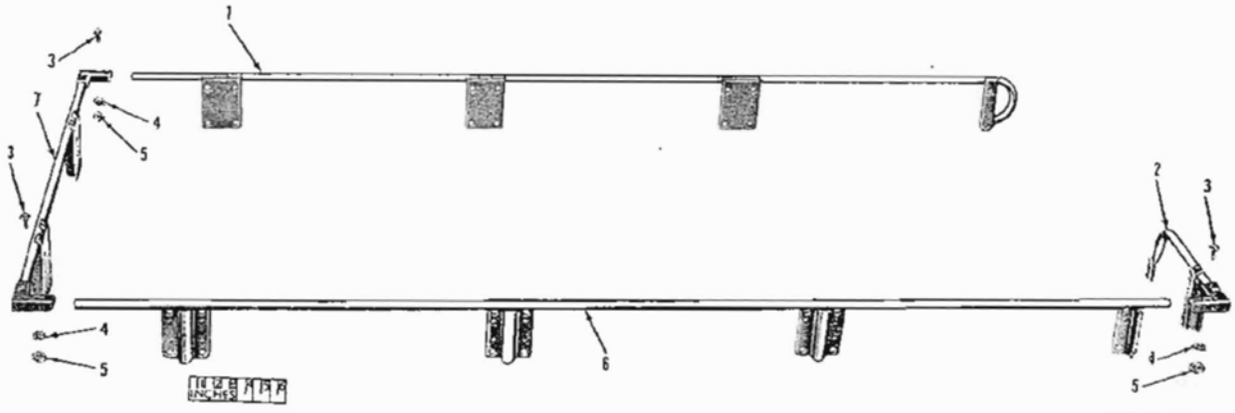
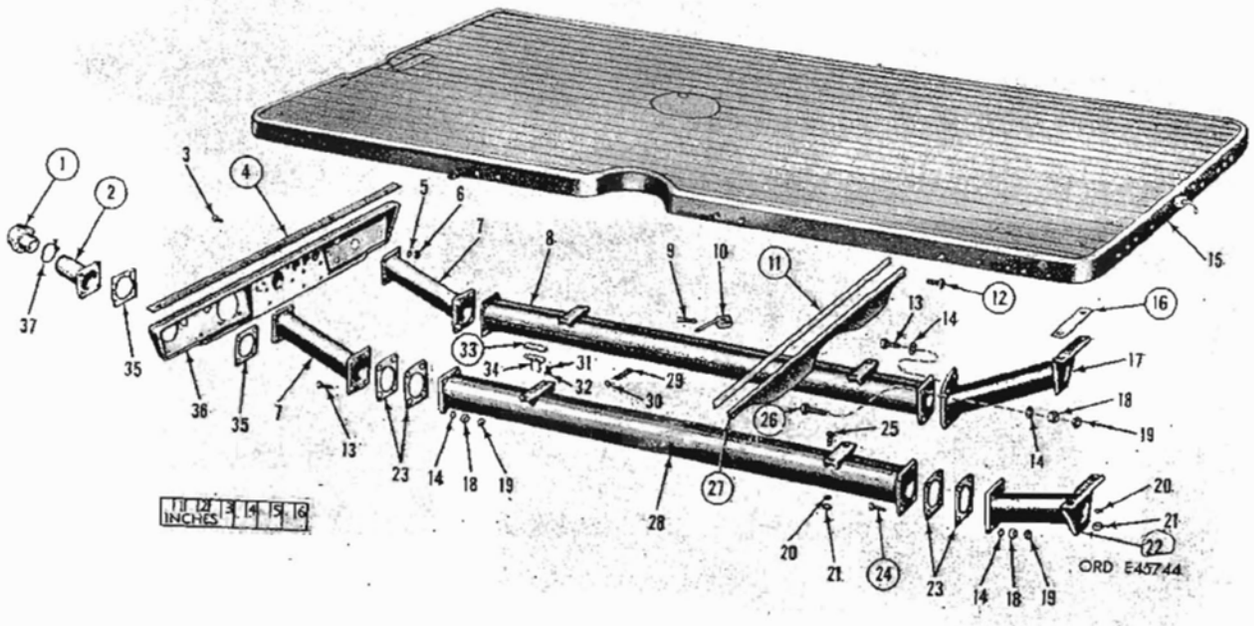



Figure 43. Handrail assembly.



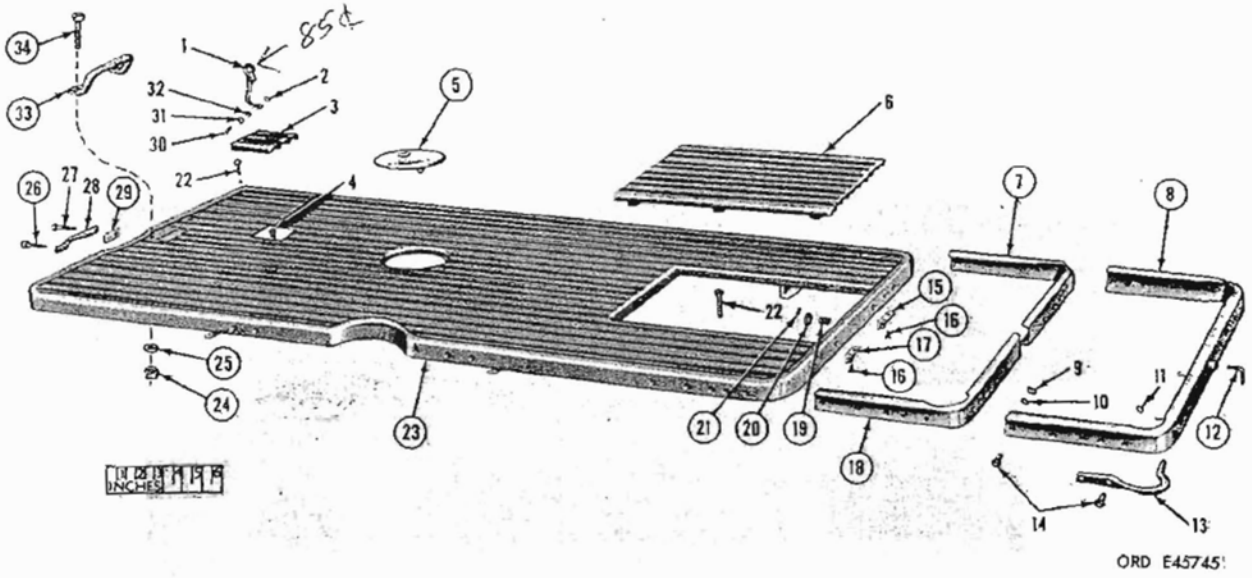

NON-SUPPLY ITEMS

1 – PRECLEANER ASSY (8336344)
2 – TUBE (7966930)
4 – SHIM (94537-692023)
11 – SHIM (94537-692036)
12 – RIVET (94537-815090)
16 – SHIM (94537-692078)
24 – BOLT (Model M274A1)(181681)
26 – SCREW (96906-35298-99)
27 – SUPPORT (94537-692034)
33 – PLATE (94537-914792)

Figure 44. Platform, frame, and associated parts – exploded view.

| (1) ILLUST | | (2) SOURCE, MAINT AND RECOVERABILITY CODE | | | | (3) | (4) | (5) | (6) | (7) 15-DAY MAINT ALW PER 100 EQUIP | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| (a) FIG NO | (b) ITEM NO | (a) MATERIAL CODE | (b) SOURCE | (c) MAINTENANCE LEVEL | (d) RECOVERABILITY | FEDERAL STOCK NO | DESCRIPTION | UNIT OF ISSUE | QTY INC IN UNIT | (a) 3RD ECH (DIR SUP) | (b) 4TH ECH (GEN SUP) |
| | | | | | | | Handrail Assembly (fig. 43) | | | | |
| 43 | 1 | | X2 | O | | 2510-571-6966 | HANDRAIL ASSEMBLY: left (8716895) | ea | 1 | | |
| | 2 | | P | O | | 2510-678-3176 | HANDRAIL ASSEMBLY: front (7045717) | ea | 1 | | |
| | 3 | | P | O | | 5306-571-6985 | BOLT, ASSEMBLED WASHER: 3/8-24 x 1-1/4 in. lg (8716890) | ea | 20 | | |
| | 4 | | P | O | | 5310-011-4606 | WASHER, LOCK: 3/8 in. bolt size (96906-35335-7) | ea | 20 | | |
| | 5 | | P | O | | 5310-045-0510 | NUT, PLAIN, SQUARE: 3/8-24UNF-2B (450510) | ea | 20 | | |
| | 6 | | X2 | O | | 2510-571-6965 | HANDRAIL ASSEMBLY: right (8716894) | ea | 1 | | |
| | 7 | | P | O | R | 2510-508-2274 | HANDRAIL, METAL: rear (7966724) | ea | 1 | | |
| | | | | | | | Platform, Frame, and Associated Parts (fig. 44) | | | | |
| 44 | 3 | | P | F | | 5305-637-4046 | SCREW, CAP, HEXAGON HEAD: 3/8-24UNF-2A x 1.00 in. lg (platform support tube to front support) (120647) | ea | 8 | | |
| | 5 | | P | F | | 5310-637-9541 | WASHER, LOCK: 3/8 in. screw size (platform support tube to front support) (96906-35338-46) | ea | 8 | | |
| | 6 | | P | F | | 5310-543-5653 | NUT, PLAIN, HEXAGON: 3/8-24UNF (platform support tube to front support) (96906-35690-625) | ea | 8 | | |
| | 7 | | X2 | F | S | 2510-508-5653 | TUBE ASSEMBLY: (8336063) | ea | 2 | | |
| | 8 | | X2 | F | S | 2510-508-2209 | TUBE ASSEMBLY: (8336055) | ea | 1 | | |
| | 9 | | P | O | | 5315-842-3651 | PIN, COTTER: 3/32 x 3/4 in. lg (96906-24665-295) | ea | 2 | | |
| | 10 | | P | O | | 2540-508-2366 | HOOK ASSEMBLY: stowage seat (8336033) | ea | 2 | | |
| | 13 | | P | F | | 5305-285-5156 | SCREW, CAP, HEXAGON HEAD: 7/16-20UNF-2A x 3-1/2 in. lg (96906-35298-97) | ea | 11 | | |
| | 14 | | P | F | | 5310-194-0743 | WASHER, LOCK: split, 7/16 in. bolt size (96906-35338-28) | ea | 16 | | |
| | 15 | | P | O | | 2510-571-6967 | PLATFORM ASSEMBLY: (Model M274) (Refer to fig. 45 for component parts) (8716896) | ea | 1 | | |
| | 17 | | X2 | F | S | 2510-562-8653 | SUPPORT: right rear (8336065) | ea | 1 | | |
| | 18 | | C | F | | 5310-276-3418 | NUT, PLAIN, HEXAGON: 7/16-20NF-2 (5333811) | ea | 15 | | |
| | 19 | | P | F | | 5310-010-7824 | NUT, STAMPED: 7/16-20UNF-3B (107824) | ea | 15 | | |
| | 20 | | P | O | | 5310-044-6212 | WASHER, FLAT: 7/16 id, 7/8 od, 0.083 in. thk (446212) | ea | 25 | | |
| | 21 | | P | O | | 5310-298-9284 | NUT, SELF-LOCKING, HEXAGON: 3/8-16UNC-2B (442827) | ea | 17 | | |
| | 22 | | X2 | F | S | 2510-508-2279 | SUPPORT ASSEMBLY: left rear (8336064) | ea | 1 | | |
| | 23 | | P | F | | 2510-697-3822 | GASKET: (IUE, then use GASKET - 2510-678-3175) (No Number) | ea | 4 | | |
| | 23 | | P | F | | 2510-678-3175 | GASKET: (use only after stock of GASKET - 2510-697-3822 is exhausted) (7045737) | ea | 4 | | |
| | 25 | | P | O | | 5310-207-4535 | SCREW, CAP, HEXAGON HEAD: 3/8-16UNC-2A x 1-1/4 in. lg (96906-35291-62) | ea | 8 | | |
| | 28 | | X2 | F | S | 2510-508-2278 | TUBE ASSEMBLY: (8336054) | ea | 1 | | |
| | 29 | | P | O | | 2520-697-3850 | SPRING, HELICAL, COMPRESSION: (7966610) | ea | 2 | | |
| | 30 | | P | O | | 5310-582-5977 | WASHER, FLAT: 13/32 id, 13/16 od, 0.065 in. thk (96906-15795-214) | ea | 2 | | |
| | 31 | | P | O | | 5310-012-0214 | WASHER, LOCK: split, 5/16 in. screw size (96906-35338-26) | ea | 2 | | |
| | 32 | | P | O | | 5310-012-0368 | NUT, PLAIN, HEXAGON: 5/16-24UNF-2B (96906-35690-525) | ea | 2 | | |
| | 34 | | X2 | O | | 2530-587-1410 | FLANGED SLEEVE: anchor pin (7760067) | ea | 1 | | |
| | 35 | | P | F | | 2940-698-2839 | GASKET: (7966799) | ea | 2 | | |
| | 36 | | X2 | F | S | 2510-508-2276 | SUPPORT ASSEMBLY: (8336058) | ea | 1 | | |
| | 37 | | P | O | | 4730-278-2064 | CLAMP, HOSE: (502922) | ea | 1 | | |
| | | | | | | | NON-ILLUSTRATED ITEMS | | | | |
| | | | P | O | | 5310-012-0361 | NUT, PLAIN, HEXAGON: no. 10-24NC-2B (fuel line bracket to bed cross member) (96906-35649-102) | ea | 1 | | |
| | | 5 | P | O | | 4730-203-0470 | PLUG, PIPE: frame tube drain (81336-45-6005-150-003) | ea | 2 | | |
| | | | P | O | | 5305-015-9920 | SCREW, MACHINE: no. 10-24NC-2A x 1/2 in. lg (fuel line bracket to bed cross member) (159920) | ea | 2 | | |
| | | | P | O | | 5310-045-3296 | WASHER, LOCK: no. 10 screw size (fuel line bracket to bed cross member) (96906-35338-43) | ea | 2 | | |

| (1) ILLUST | | (2) SOURCE, MAINT AND RECOVERABILITY CODE | | | | (3) | (4) | (5) | (6) | (7) 15-DAY MAINT ALW PER 100 EQUIP | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| (a) FIG NO | (b) ITEM NO | (a) MATERIEL CODE | (b) SOURCE | (c) MAINTENANCE LEVEL | (d) RECOVERABILITY | FEDERAL STOCK NO | DESCRIPTION | UNIT OF ISSUE | QTY INC IN UNIT | (a) 3RD ECH (DIR SUP) | (b) 4TH ECH (GEN SUP) |
| | | | | | | | Platform Assembly (fig. 45) | | | | |
| 45 | 1 | | P | O | | 2590-697-4324 | FASTENER, CYLINDER, SPRING LOADED: driver's seat (7966498) | ea | 1 | | |
| | 2 | | P | O | | 5310-616-1288 | NUT, PLAIN, HEXAGON: 1/4-20UNC-2B (96906-35690-405) - | ea | 2 | | |
| | 3 | | X2 | O | | 2530-571-6969 | LID ASSEMBLY: steering access:<br>Model M274 (Refer to fig. 46 for component parts) (8716889) | ea | 1 | | |
| | | | | | | | Model M274A1 (Refer to fig. 47 for component parts) (65909-954281) | | 1 | | |
| | 4 | | P | O | | 5305-019-1720 | SCREW, MACHINE: 5/16-24UNF-2A x 7/8 in. lg (96906-35193-85) | ea | 2 | | |
| | 6 | | P | O | R | 2510-508-2270 | COVER ASSEMBLY: engine access:<br>Model M274 (Refer to fig. 50 for component parts) (7966719) | ea | 1 | | |
| | | | | | | | Model M274A1 (Refer to fig. 51 for component parts) (65909-962087) | | 1 | | |
| | 9 | | P | O | | 5310-045-0510 | NUT, PLAIN, SQUARE: 3/8-24UNF-2B (213537) ---------- | ea | 2 | | |
| | 10 | | P | O | | 5310-011-4606 | WASHER, LOCK: 3/8 in. bolt size (96906-35335-7) ----- | ea | 2 | | |



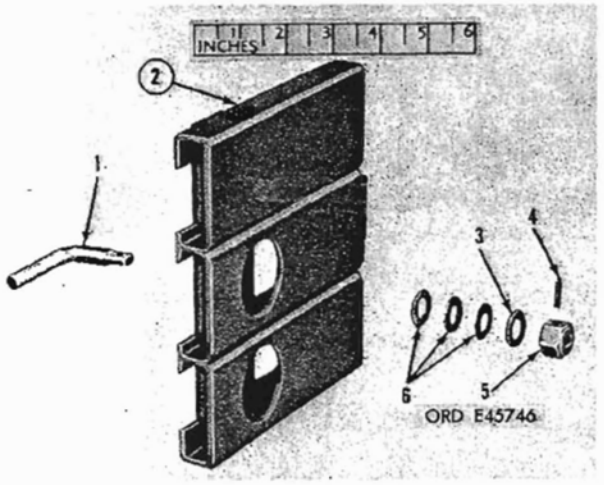

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NON-SUPPLY ITEMS

5 – COVER ASSY:
MODEL M274 (Refer to fig. 48 for component parts) (94537-699620)
MODEL M274 (Refer to fig. 49 for component parts) (65909-962065)
7 – SHIM (94537-699068)
8 – CHANNEL (94537-699255)
12 – PIN (65909-952950)
15 – CATCH (94537-815684)
16 – RIVET (94537-815440)
17 – CATCH (94537-692051)
18 – SHIM (94537-699067)
19 – SPRING (664555)
20 – WASHER (96906-15795-212)
21 – PIN (96906-9048-073)
23 – PLATFORM:
MODEL M274 (94537-699210)
MODEL M274A1 (65909-961872)
24 – NUT (Model M274A1 only) (442827)
25 – WASHER (Model M274A1 only) (96906-15795-214)
26 – SCREW (96906-35292-70)
29 – SHIM (8336438)
33 – GUARD ASSY (Model M274A1 only) (65909-954246)
34 – BOLT (Model M274A1 only) (96906-35291-72)

Figure 45. Platform assembly – exploded view.

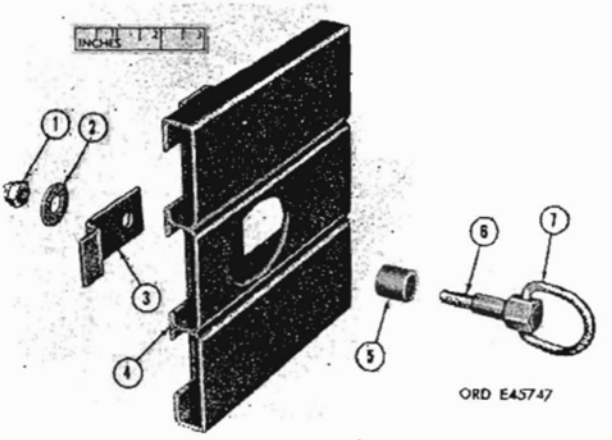
| (1) ILLUST | | (2) SOURCE, MAINT AND RECOVERABILITY CODE | | | | (3) | (4) | (5) | (6) | (7) 15-DAY MAINT ALW PER 100 EQUIP | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| (a) FIG NO | (b) ITEM NO | (a) MATERIEL CODE | (b) SOURCE | (c) MAINTENANCE LEVEL | (d) RECOVERABILITY | FEDERAL STOCK NO | DESCRIPTION | UNIT OF ISSUE | QTY INC IN UNIT | (a) 3RD ECH (OIR SUP) | (b) 4TH ECH (CEN SUP) |
| 45 | 11 | | P | 0 | | 5310-050-3351 | NUT, SELF-LOCKING, HEXAGON: 3/8-24UNF-2B (503351) --- | ea | 8 | | |
| | 13 | | X2 | 0 | | 2510-571-6962 | LOOP, LIFTING, REAR: (8716891) ---------- | ea | 2 | | |
| | 14 | | P | 0 | | 5306-571-6985 | BOLT, ASSEMBLED WASHER: 3/8-24 x 1-1/4 in. lg (8716890) | ea | 8 | | |
| | 22 | | P | 0 | | 5310-019-2444 | SCREW, MACHINE: 3/8-16 x 3-3/8 in. lg (192444) ------ | ea | 9 | | |
| | 27 | | P | 0 | | 5305-012-6167 | SCREW, CAP, HEXAGON HEAD: 3/8-24UNF-2A x 4.00 in. lg (96906-35292-74) | ea | 2 | | |
| | 28 | | X2 | 0 | | 2510-571-6964 | LOOP: lifting (8716893) ---------- | ea | 1 | | |
| | 30 | | P | 0 | | 5305-337-2576 | SCREW, CAP, HEXAGON HEAD: 1/4-20UNC-2A x 5/8 in. lg (96906-35291-5) | ea | 2 | | |
| | 31 | | P | 0 | | 5310-194-1540 | WASHER, FLAT: 3/8 in. screw size (96906-15795-210) -- | ea | 2 | | |
| | 32 | | P | 0 | | 5310-012-1637 | WASHER, LOCK: 1/4 in. screw isze (96906-35337-25) --- | ea | 2 | | |
| | | | | | | | Steering Access Lid Assembly (Model M274) (fig. 46) | | | | |
| 46 | 1 | | P | 0 | | 2540-697-3990 | ROD: lock (7966720) ---------- | ea | 1 | | |
| | 3 | | P | 0 | | 5310-550-1459 | WASHER, SPRING TENSION: 11/32 id, 11/16 od, 0.065 in. thk (8329984) | ea | 1 | | |
| | 4 | | P | 0 | | 5315-058-5921 | PIN, SPRING: (585921) ---------- | ea | 1 | | |
| | 5 | | P | 0 | | 2510-697-3987 | LOCK: rod (7966721) ---------- | ea | 1 | | |
| | 6 | | P | 0 | | 5310-616-3023 | WASHER, FLAT: 11/32 id, 11/16 od, 0.064 in. thk (120393) | ea | 3 | | |




NON-SUPPLY ITEM

2 - LID (65909-693372)

Figure 46. Steering access cover assembly (Model M274) - exploded view.

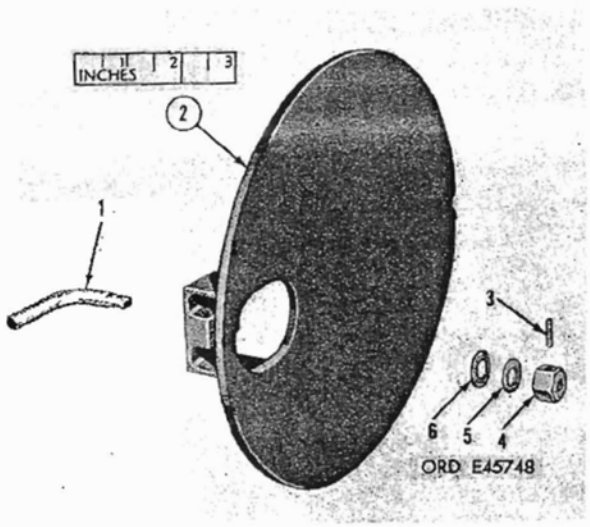



NON-SUPPLY ITEMS

1 - NUT (443334)
2 - WASHER (96906-15795-212)
3 - LATCH (65909-961969)
4 - LID (65909-954282)
5 - SPACER
6 - PIN (65909-954284)
7 - "D" RING (65909-954285)

Figure 47. Steering access cover assembly (Model M274A1) - exploded view.

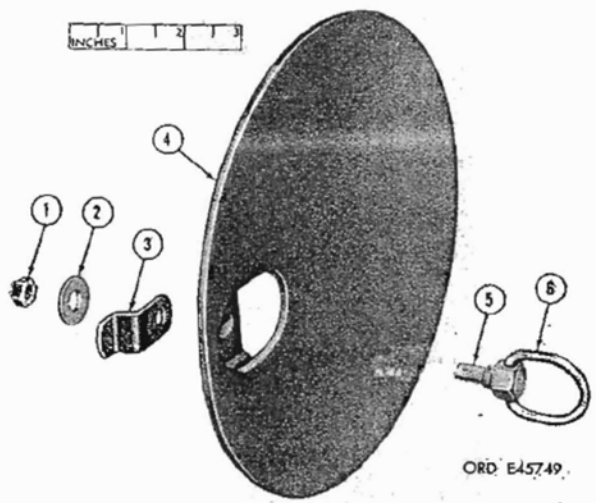
| (1) ILLUST | | (2) SOURCE, MAINT AND RECOVERABILITY CODE | | | | FEDERAL STOCK NO | DESCRIPTION | (5) UNIT OF ISSUE | (6) QTY INC IN UNIT | (7) 15-DAY MAINT ALW PER 100 EQUIP | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| (a) FIG NO | (b) ITEM NO | (a) MATERIEL CODE | (b) SOURCE | (c) MAINTENANCE LEVEL | (d) RECOVERABILITY | | | | | (a) 3RD ECH (DIR SUP) | (b) 4TH ECH (GEN SUP) |
| | | | | | | | Gun Mount Opening Cover Assembly (Model M274) (fig. 48) | | | | |
| 48 | 1 | | P | O | | 2540-697-3990 | ROD: lock (7966720) | ea | 1 | | |
| | 3 | | P | O | | 5315-058-5921 | PIN, SPRING: (585921) | ea | 1 | | |
| | 4 | | P | O | | 2510-697-3987 | LOCK: rod (7966721) | ea | 1 | | |
| | 5 | | P | O | | 5310-550-1459 | WASHER, SPRING TENSION: 11/32 id, 11/16 od, 0.065 in. thk (8329984) | ea | 1 | | |
| | 6 | | P | O | | 5310-616-3023 | WASHER, FLAT: 11/32 id, 11/16 od, 0.065 in. thk (120393) | ea | 1 | | |




NON-SUPPLY ITEM

2 - COVER (65909-699619)

Figure 48. Gun mount opening cover assembly (Model M274) - exploded view.

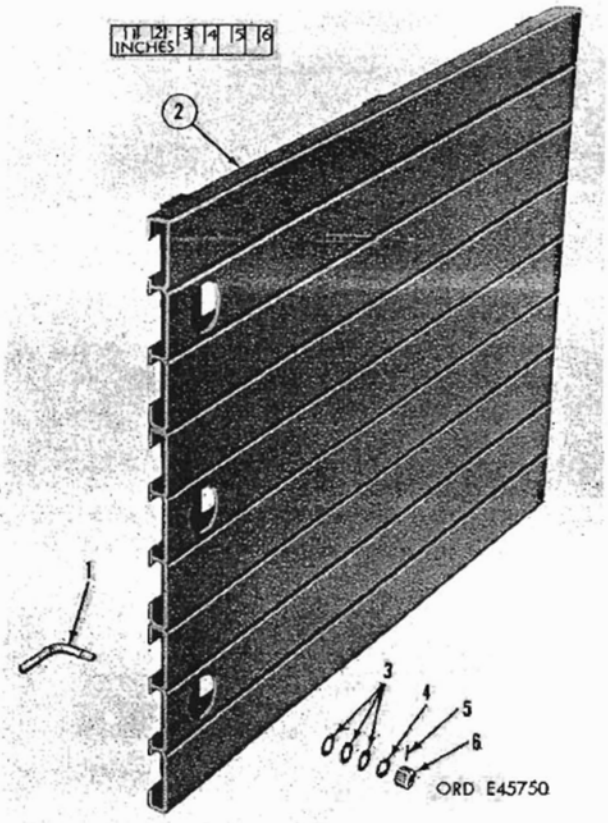



NON-SUPPLY ITEMS

1 - NUT (443334)
2 - WASHER (96906-15795-212)
3 - LATCH (65909-962063)
4 - COVER (7045601)
5 - PIN (65909-955257)
6 - "O" RING (65909-954285)

Figure 49. Gun mount opening cover assembly (Model M274A1) - exploded view.

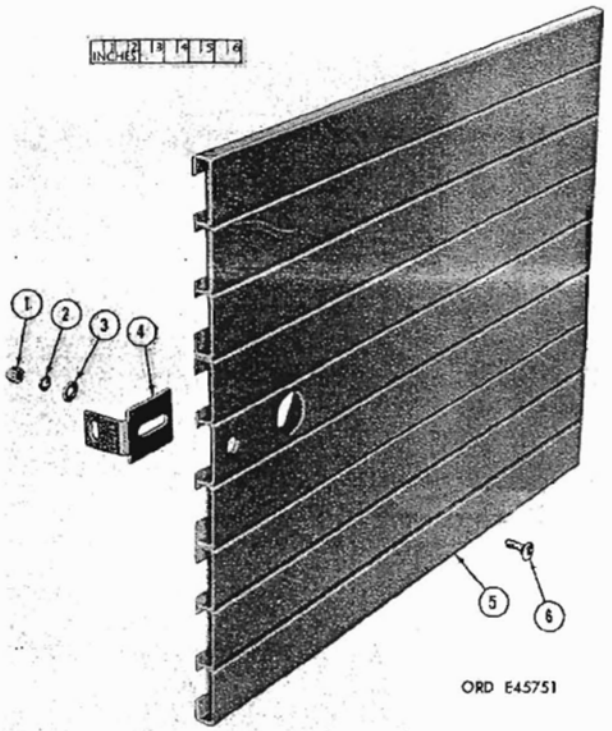
| (1) ILLUST | | (2) SOURCE, MAINT AND RECOVERABILITY CODE | | | | (3) | (4) | (5) | (6) | (7) 15-DAY MAINT ALW PER 100 EQUIP | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| (a) FIG NO | (b) ITEM NO | (a) MATERIEL CODE | (b) SOURCE | (c) MAINTENANCE LEVEL | (d) RECOVERABILITY | FEDERAL STOCK NO | DESCRIPTION | UNIT OF ISSUE | QTY INC IN UNIT | (a) 3RD ECH (DIR SUP) | (b) 4TH ECH (GEN SUP) |
| | | | | | | | Engine Access Cover Assembly (Model M274) (fig. 50) | | | | |
| 50 | 1 | | P | 0 | | 2540-697-3990 | ROD: lock (7966720) | ea | 2 | | |
| | 3 | | P | 0 | | 5310-616-3023 | WASHER, FLAT: 11/32 id, 11/16 od, 0.065 in. thk (120393) | ea | 6 | | |
| | 4 | | P | 0 | | 5310-550-1459 | WASHER, SPRING TENSION: 11/32 id, 11/16 od, 0.065 in. thk (8329984) | ea | 2 | | |
| | 5 | | P | 0 | | 5315-058-5921 | PIN, SPRING: (585921) | ea | 2 | | |
| | 6 | | P | 0 | | 2510-697-3987 | LOCK: rod (7966721) | ea | 2 | | |




NON-SUPPLY ITEM

2 – COVER (65909-698832)

Figure 50. Engine access cover assembly (Model M274) – exploded view.

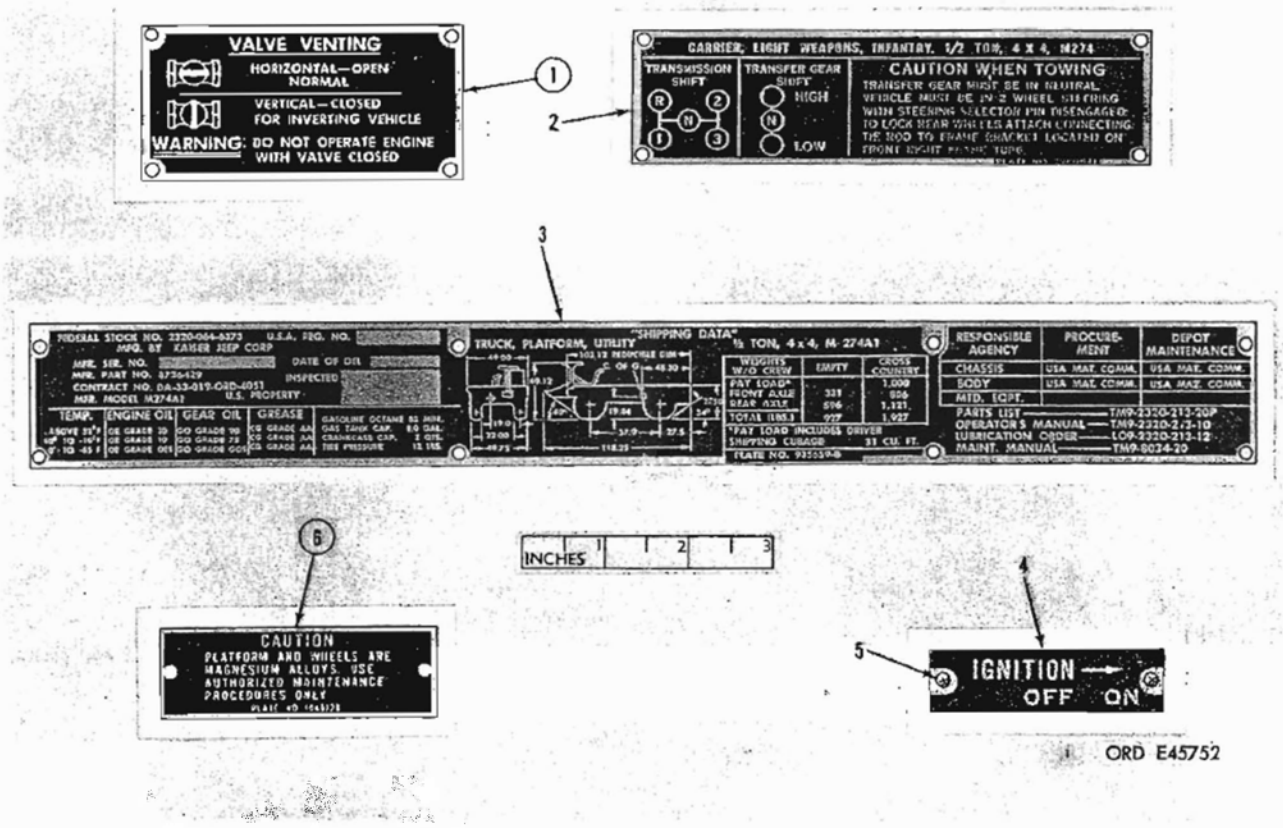



NON-SUPPLY ITEMS

1 – NUT (96906-35690-505)
2 – WASHER (96906-35338-26)
3 – WASHER (96906-15795-212)
4 – BRACKET (65909-962084)
5 – COVER (65909-962083)
6 – SCREW (96906-35192-84)

Figure 51. Engine access cover assembly (Model M274A1) – exploded view.

| (1) ILLUST | | (2) SOURCE, MAINT AND RECOVERABILITY CODE | | | | (3) | (4) | (5) | (6) | (7) 15-DAY MAINT ALW PER 100 EQUIP | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| (a) FIG NO | (b) ITEM NO | (a) MATERIEL CODE | (b) SOURCE | (c) MAINTENANCE LEVEL | (d) RECOVERABILITY | FEDERAL STOCK NO | DESCRIPTION | UNIT OF ISSUE | QTY INC IN UNIT | (a) 3RD ECH (DIR SUP) | (b) 4TH ECH (GEN SUP) |
| | | | | | | | Data Plates (fig. 52) | | | | |
| 52 | 2 | | P | O | | 2590-697-4087 | PLATE, IDENTIFICATION: (Model M274) (7966641) ------- | ea | 1 | | |
| | 3 | | P | O | | 2590-697-4205 | PLATE, IDENTIFICATION: (Model M274) (7966642) ------- | ea | 1 | | |
| | 4 | | P | O | | 2590-565-5165 | PLATE, INSTRUCTION: (8670003) ---------- | ea | 1 | | |
| | 5 | | P | O | | 5305-016-1790 | SCREW, TAPPING, THREAD FORMING: cross-recess-pan-hd, no. 6 (161790) | ea | 2 | | |




NON-SUPPLY ITEMS

1 — PLATE (Model M274A1 only) (65909-924822)
6 — PLATE (7049728)

Figure 52. Data plates.

| (1) ILLUST | | (2) SOURCE, MAINT AND RECOVERABILITY CODE | | | | (3) | (4) | (5) | (6) | (7) MINIMUM ALLOW | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| (a) FIG NO | (b) ITEM NO | (a) MATERIEL CODE | (b) SOURCE | (c) MAINTENANCE LEVEL | (d) RECOVERABILITY | FEDERAL STOCK NO | DESCRIPTION | UNIT OF ISSUE | QTY INC IN UNIT | (a) 3RD ECH (DIR SUP) | (b) 4TH ECH (GEN SUP) |
| | | | | | | | **SECTION III**<br>**FIELD MAINTENANCE SPECIAL TOOLS**<br>Note.<br>The special tools listed below are designed for use with the materiel covered herein and are listed for information only. They do not reflect entire contents of established special tool kits. Only special tools which are applicable for actual support of material covered herein are included. Refer to SM 9-4-5180-V23 for complete listing of special tools and requisitioning authority. | | | | |
| 53 | 1 | | P | O | | 5120-601-2224 | SOCKET, SOCKET WRENCH: 1/2 in. drive, hex, 1-1/2 in. wrench opening (transmission output shaft front bearing locknut) (7010302) | ea | | | |
| | 2 | | P | O | | 5120-601-2227 | PULLER, OIL SEAL: w/jam nut, tapered end screw, 0.560 in. dia, 3-3/4 in. lg (transmission shift rail oil seal) (7010309)<br>Composed of:<br>1 BODY:(7010311)<br>1 SCREW: (7010301)<br>1 NUT: (176050) | ea | | | |
| | 2.1<br>2.2<br>2.3 | | | | | | | | | | |
| | 3 | | P | O | | 5120-601-2229 | REPLACER, OIL SEAL: 0.510 in. dia, 2-1/2 in. lg transmission shift rail oil seal) (7010314) | ea | | | |
| | 4 | | P | O | | 5120-601-2225 | REPLACER, OIL SEAL: 0.757 in. and 1.618 in. dial, 0.62 in. lg (front and rear axle shaft outer seal or transmission input shaft oil seal) (used w/HANDLE – 5120-601-2234) (7010305) | ea | | | |
| | 5 | | P | O | | 5120-601-2223 | REPLACER, NEEDLE BEARING: 0.757 in. and 1.490 in. dia, 1.26 in. lg (steering bellcrank needle bearings) (used w/HANDLE – 5120-601-2234) (7010301) | ea | | | |
| | 6 | | P | O | | 5120-601-2234 | HANDLE, REPLACER: knurl, 6.00 in. lg (used w/REPLACERS) (7010321) | ea | | | |

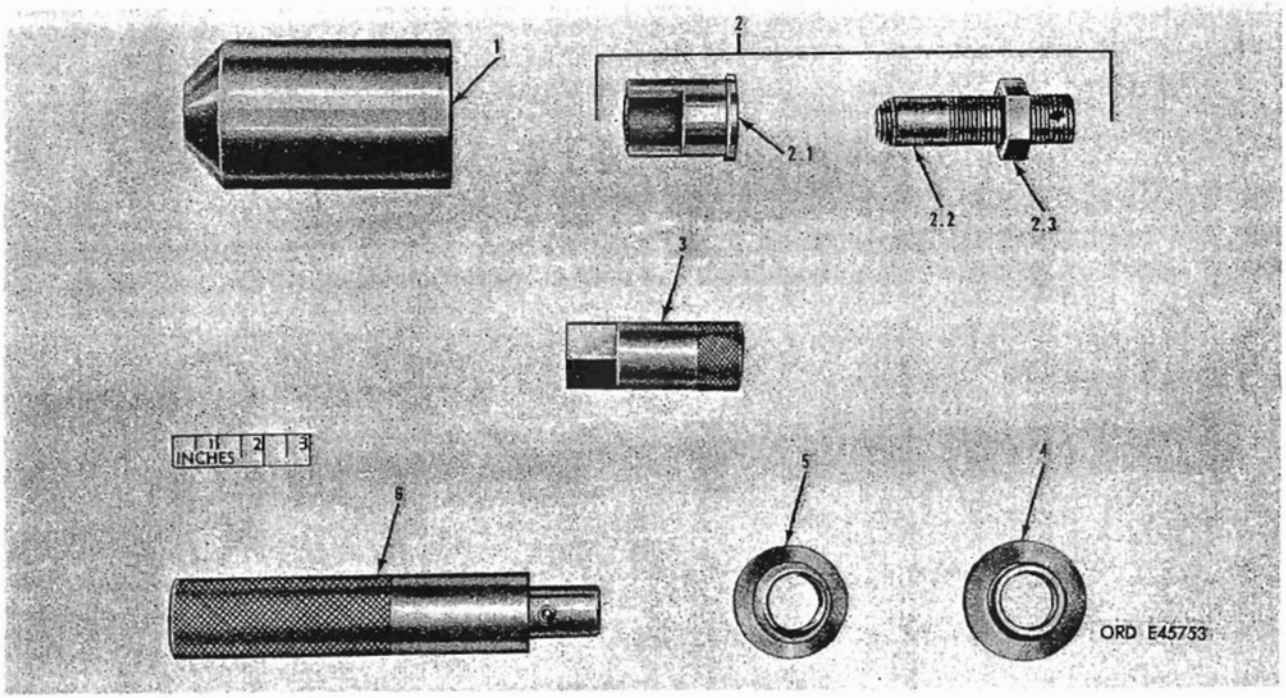



Figure 53. Special tools.

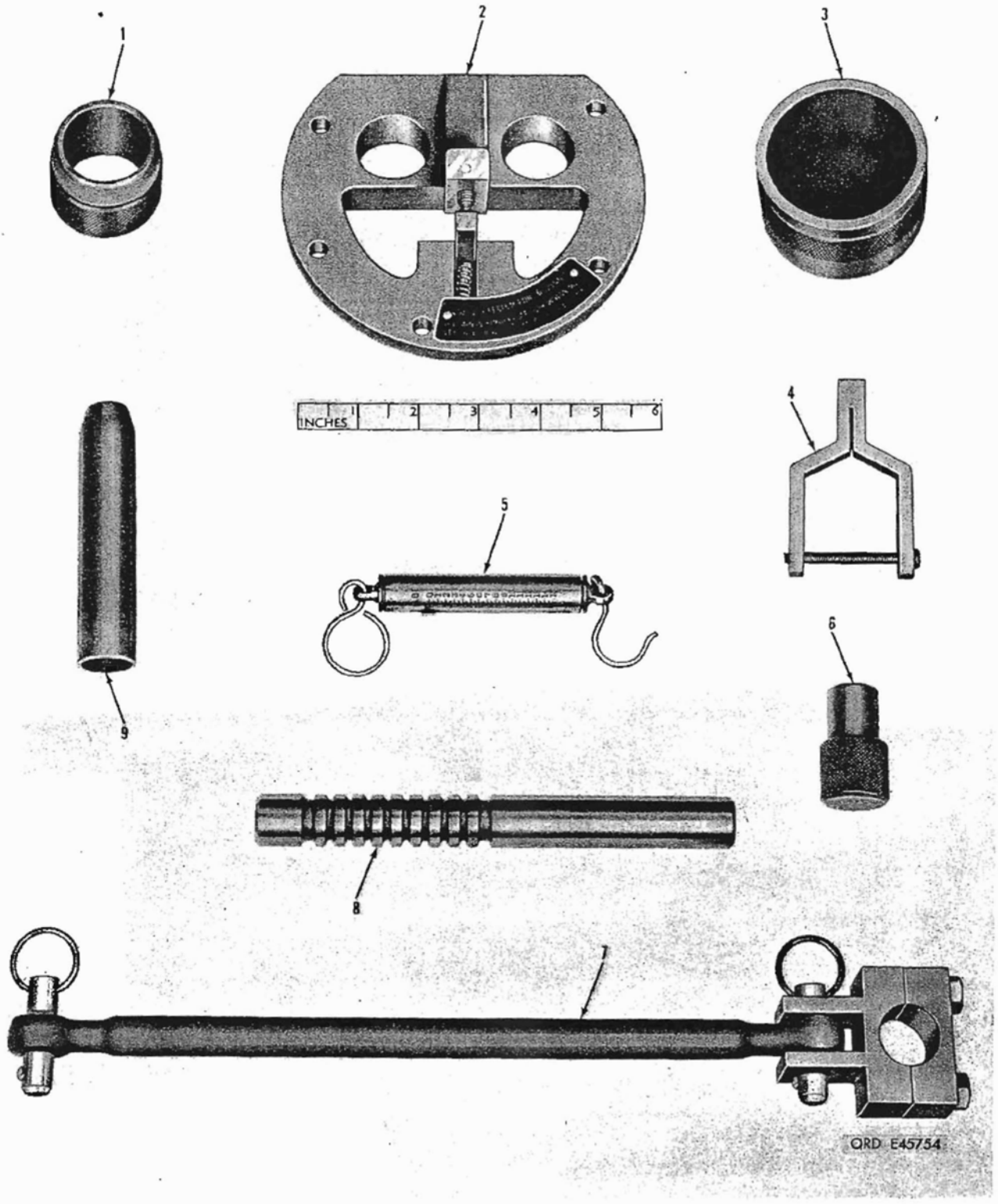



Figure 54. Special tools.

| (1) ILLUST | | (2) SOURCE, MAINT AND RECOVERABILITY CODE | | | | (3) | (4) | (5) | (6) | (7) MINIMUM ALLOW | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| (a) FIG NO | (b) ITEM NO | (a) MATERIEL CODE | (b) SOURCE | (c) MAINTENANCE LEVEL | (d) RECOVERABILITY | FEDERAL STOCK NO | DESCRIPTION | UNIT OF ISSUE | QTY INC IN UNIT | (a) 3RD ECH (DIR SUP) | (b) 4TH ECH (GEN SUP) |
| | | | | | | | Special Tools (fig. 54) | | | | |
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| | 2 | | | | | 4910-713-1015 | FIXTURE: axle pinion depth setting (7045667) -------- | ea | | | |
| | 3 | | | | | 5120-601-2226 | REPLACER: (wheel hub oil seal) (7010306) ---------- | ea | | | |
| | 4 | | | | | 4910-713-1013 | FIXTURE: (axle ring and pinion backlash setting) (7045666) | ea | | | |
| | 5 | | | | | 6670-347-5922 | SCALE: (differential pinion bearing preload) (5959157) | ea | | | |
| | 6 | | | | | 5210-601-2231 | REPLACER: (steering gear sector shaft bushings) (7010318) | ea | | | |
| | 7 | | | | | 4910-671-6614 | FIXTURE, STEERING LOCK-UP: steering lock-up during wheel alinement, 12-1/4 in. center to center of ends (7059970) | ea | | | |
| | 8 | | | | | 5120-601-2230 | BURNISHER: (steering gear sector shaft bushings) (7010317) | ea | | | |
| | 9 | | | | | 4910-766-7750 | GUIDE SHAFT: (transmission input shaft oil seal) (8744081) | ea | | | |

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