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FIELD AND DEPOT MAINTENANCE CARBURETOR ASSEMBLY 2910-607-3530 (TILLOTSON MODEL MD-107A)



HEADQUARTERS, DEPARTMENT OF THE ARMY
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CHAPTER 1

INTRODUCTION

Section I. GENERAL

1. Scope

- a. This manual contains instructions for field and depot maintenance of the Tillotson Model MD-107A carburetor. It contains a description of, and procedure for, disassembly, inspection, repair, rebuild, and assembly of the carburetor.
- b. The appendix contains a list of current references, including supply manuals, forms, technical manuals, and other available publications applicable to the carburetor.
- c. This first edition is being published in advance of complete technical review. Any errors or omissions will be brought to the attention of the Commanding Officer, Raritan Arsenal, Metuchen, N. J. ATTN: ORDJR-CPRA, using DA Form 468 (Unsatisfactory Equipment Report).
- d. The pertinent vehicle operator's manual contains operating and lubricating instructions for the materiel and all maintenance operations allocated to the operators in performing maintenance work within their scope.
 - e. The pertinent vehicle organizational

maintenance manual contains instructions for the maintenance of the materiel within the scope of organizational maintenance.

2. Field and Depot Maintenance Allocation

Refer to maintenance allocation chart in pertinent vehicle organizational maintenance manual.

Forms, Records and Reports

- a. General. Refer to pertinent vehicle operator's manual and organizational maintenance manual.
- b. Report of Unsatisfactory Equipment and Materials. Any deficiencies detected in the equipment covered herein which occur under the circumstances indicated in AR 700-38 should be immediately reported in accordance with the applicable instructions in those regulations.
- c. Authorized Forms. The forms generally applicable to units maintaining this materiel are listed in the appendix. For a listing of all forms, refer to DA Pam 310-2. For instructions on use of these forms, refer to FM 9-10.

Section II. DESCRIPTION AND DATA

4. Description

a. The Tillotson Model MD-107A carburetor (fig. 1) is an adjustable needle, horizontal draft, single-barrel type, constructed of cast aluminum. The fuel inlet and float are located in a separate fuel bowl attached to the carburetor body. Fuel level in the bowl is controlled by the float, which pivots on the float lever pinion screw and forces the inlet needle valve against its seat when a predetermined level has been reachd. Fuel flow is controlled by an adjustable needle as the fuel passes into the main discharge nozzle. The manual choke per-

mits quicker engine starting and faster engine warm up period.

b. Two adjusting nedles, the idle adjusting needle and the main adjusting needle, are provided to obtain maximum engine performance. The idle adjusting needle governs idle mixture at closed throttle. The main adjusting needle controls power range mixture.

5. Tabulated Data

Make	Tillotson
Model	MD-107A
Type	horizontal draft
Venturi	5% inch

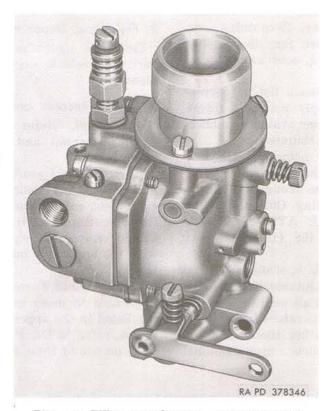


Figure 1. Tillotson carburetor—model MD-107A.

CHAPTER 2

PARTS, SPECIAL TOOLS, AND EQUIPMENT FOR FIELD AND DEPOT MAINTENANCE

6. General

Tools, equipment, and maintenance parts over and above those available to the using organization are supplied to ordnance field maintenance units and depot shops for maintaining, repairing, and/or rebuilding the materiel.

7. Repair Parts

Repair parts supplied for the Tillotson

Model MD-107A carburetor are listed in TM 9-2910-202-35P, which is the authority for requisitioning replacements.

8. Special Tools and Equipment

No special tools and equipment are required for maintenance of the Tillotson Model MD-107A carburetor.

CHAPTER 3 TROUBLESHOOTING

Section I. GENERAL

9. Purpose

Note. Information in this chapter is for use of ordnance maintenance personnel in conjunction with and as a supplement to the troubleshooting section in the pertinent vehicle organizational maintenance manual. It provides continuation of instructions where a remedy in the organizational maintenance manual refers to ordnance maintenance personnel for corrective action.

Operation of a deadlined vehicle without a preliminary examination can cause further damage to a disabled component and possible injury to personnel. By careful inspection and troubleshooting, such damage and injury can be avoided and, in addition, the causes of faulty operation of a vehicle or component can often be determined without extensive disassembly.

10. General Instructions and Procedures

This chapter contains inspection and troubleshooting procedures to be performed while a disabled component is still mounted in the vehicle and after it has been removed.

a. The inspections made while the component is mounted in the vehicle are for the most part visual and are to be performed before attempting to operate the vehicle. The object of these inspections is to determine the condi-

tion of the component, and if found defective, to take precautions to prevent any further damage.

- b. The troubleshooting performed, while the component is mounted in the vehicle, is that which is beyond the normal scope of the using organization. Check the troubleshooting section of the pertinent vehicle organizational maintenance manual, then proceed as outlined in this chapter.
- c. Inspection after the component is removed from the vehicle is performed to verify the diagnosis made when the component was in the vehicle, to uncover further defects, or to determine malfunctions if the component alone is received by the ordnance establishment. This inspection is particularly important in the last case because it is often the only means of determining the malfunction without completely disassembling the component.
- d. Troubleshooting a disabled component after it has been removed from the vehicle consists of subjecting it to tests while mounted on a suitable engine on a test stand or vehicle. This chapter also discusses those symptoms which can be diagnosed by using the testing equipment and interprets the result in term of probable causes.

Section II. TROUBLESHOOTING PROCEDURES

11. Troubleshooting Before Removal and Before Operation

The procedures in table I are intended to help analyze and eliminate the causes of malfunctioning before removal and before operation.

Table I. Troubleshooting

Malfunction	Probable causes	Corrective action
Throttle plate will not travel from full open to closed position.	Rust, carbon deposits, or gummy deposits on throttle plate and throttle shaft.	Clean parts thoroughly (par. 22).
Choke plate will not travel from full open to closed position.	Bent or distorted throttle shaft. Bent or warped throttle plate. Rust, carbon deposits, or gummy deposits on choke plate and choke shaft.	Replace throttle shaft (pars. 20 and 25) Replace throttle plate (pars. 20 and 25) Clean parts thoroughly (par. 22).
	Bent or distorted choke shaft. Bent or warped choke plate.	Replace choke shaft (pars. 19 and 26). Replace choke shaft (pars. 19 and 26).

12. Troubleshooting Before Removal and During Operation

The procedures in table II are intended to help eliminate the causes of malfunctioning before removal and during operation.

Table II. Troubleshooting

Malfunction	Probable causes	Corrective action
Engine will not start.	Flooded carburetor.	Open throttle and crank the engine for a few revolutions to exhaust excess fuel. If necessary, adjust float for correct fuel level (par. 30).
	Carburetor improperly adjusted.	Adjust carburetor (pars. 33-35).
Engine starts, but does not continue to operate.	Float inoperative or binding.	Inspect float and float lever pinion screw for binding (par. 23). Adjust float set- ting (par. 30).
	Carburetor improptrly adjusted. Obstruction in internal fuel passages.	Adjust carburetor (pars. 33-35). Clean fuel passages thoroughly (par. 22).

CHAPTER 4 REPAIR AND REBUILD OF CARBURETOR

Section I. DISASSEMBLY

Note. The key letters shown below in parentheses refer to figure 9.

13. General

Refer to pertinent vehicle organizational maintenance manual for removal and installation of the carburetor, which includes the replacement of mounting gasket (T).

14. Remove Air Horn (fig. 2)

Remove the two screw and lockwasher assemblies (A) securing the air horn (B) to the body (Q) and remove air horn. Remove and discard air horn gasket (C).

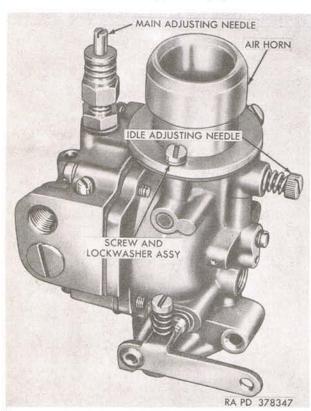


Figure 2. Air horn and adjusting needles.

Remove Main Adjusting Needle and Fuel Bowl

a. Remove Main Adjusting Needle. Remove main adjusting needle plug screw (KK) and gasket (JJ) from packing nut (HH) and discard gasket. Remove main adjusting needle (GG, and fig. 2) from packing nut. Remove packing nut from main adjusting needle gland (EE) and remove and discard packing (FF). Remove gland and gland gasket (LL) from fuel bowl (Z). Discard gasket.

b. Remove Fuel Bowl. Remove four screw and lockwasher assemblies (AA) securing the fuel bowl (Z) to the body (Q) and remove bowl. Remove and discard fuel bowl gasket (U).

16. Remove Float

Remove float lever pinion screw (MM, and fig. 3) securing the float (X) in the fuel bowl (Z) and remove float.

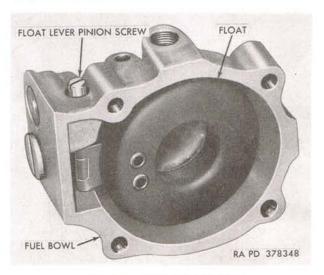


Figure 3. Fuel bowl and float.

17. Remove Inlet Needle Valve

Remove large fuel bowl plug screw (DD) from fuel bowl (Z) and remove inlet needle valve and valve spring, as shown in figure 4. Remove remainder of inlet needle valve and seat assembly (CC) from fuel bowl. Remove and discard seat gasket (BB). Remove small fuel bowl plug screw (Y) from fuel bowl.

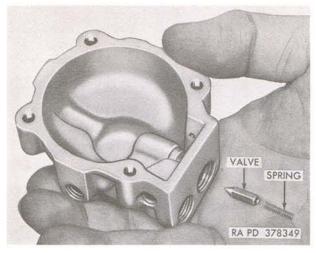


Figure 4. Inlet needle valve and spring.

18. Remove Idle Tube and Main Nozzle

a. Remove Idle Tube. Remove idle tube (H) from body (Q), as shown in figure 5. Remove and discard tube gasket (K).

b. Remove Main Nozzle. Remove main nozzle plug screw (W) and main nozzle (V) from body, as shown in figure 5.

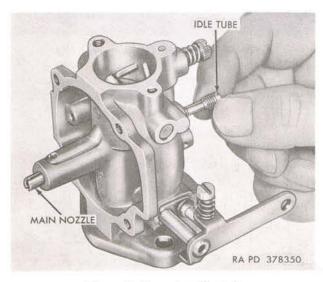


Figure 5. Removing idle tube.

Remove Idle Adjusting Needle, Choke Plate, and Choke Shaft and Lever

a. Remove Idle Adjusting Needle. Remove idle adjusting needle (G) and spring (F) from body (Q).

b. Remove Choke Plate. Hold the choke lever in fully closed position and scribe a line across the choke plate along the edge of the choke shaft, as shown in figure 6, to insure correct positioning of the plate at assembly. Remove screw and lockwasher assembly (D) securing plate (E) to shaft of choke shaft and lever assembly (L) and remove plate. Be careful not to bind plate in body.

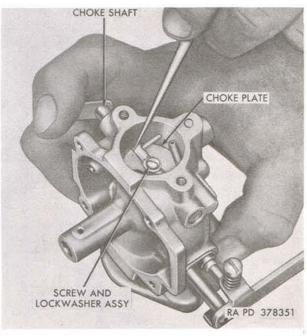


Figure 6. Scribing choke plate—using a scriber.

c. Remove Choke Shaft and Lever Assembly. Remove shaft and lever assembly (L) from body. Remove screw (M) from end of lever.

Remove Throttle Plate and Throttle Shaft and Lever

a. Remove Throttle Plate. Hold the throttle shaft and lever (QQ) in the fully closed position and scribe a line across the throttle plate along the edge of the throttle shaft as shown in figure 7 to insure correct positioning of plate at assembly. Remove screw and lockwasher assembly (S) securing throttle plate (R) to throttle shaft and lever (QQ) and remove plate. Be careful not to bind plate in body (Q).

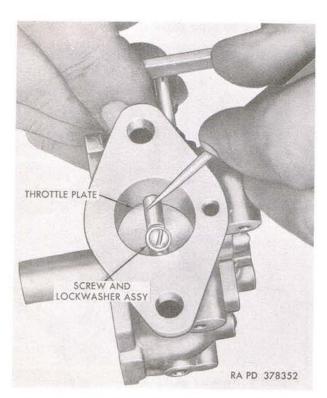


Figure 7. Scribing throttle plate—using a scriber.

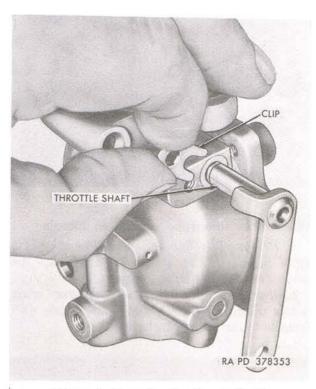


Figure 8. Removing throttle shaft clip.

b. Remove Throttle Shaft and Lever. Remove idle speed regulating screw (SS) and spring (RR) from end of throttle shaft and lever (QQ). Remove throttle stop pin (TT), lockwasher (UU), and throttle shaft clip (VV, and fig. 8) from body. Remove shaft and lever from body as shown in figure 8. Remove and discard shaft seal (PP).

Remove Expansion Plugs and Throttle Shaft Bushings

The expansion plugs (J, N, and WW) and throttle shaft bushings (P and NN) need not be removed from the body (Q) unless the bushings are damaged (par. 23). If the bushings must be replaced, use a suitable tool to drive the bushings out of the body.

Section II. CLEANING, INSPECTION, AND REPAIR

Note. The key letters shown below in parentheses refer to figure 9.

22. Cleaning

a. Use dry-cleaning solvent or mineral spirits paint thinner to clean grease, oil, and dirt from all metal parts. Remove any gasket material adhering to surfaces. Be sure to remove all carbon deposits which might be found on the valve plate or in the throttle bore.

Note. Never use a wire, drill, or similar object to clean passages.

b. After parts are cleaned, dry the parts with dry compressed air. Thoroughly blow out and dry all passages in the body (Q) with compressed air.

23. Inspection and Repair

- a. Float. Inspect the float (X) for cracks, pin holes, or loose float lever or other damage. Inspect the lever arm on the float for distortion or wear. Inspect float lever pinion screw for damaged thread or wear at the bearing surfaces. Replace damaged parts.
- b. Inlet Needle Valve. Inspect the inlet needle valve, valve spring, and valve seat for signs of wear or corrosion. Inspect the point of the valve for ridges or other damage; replace valve assembly, if any are found.
- c. Main Adjusting Needle. Inspect the main adjusting needle (GG) for signs of wear or damage. Make sure the point of the needle is

free of ridges or burs; replace needle, if any are found.

- d. Idle Tube and Main Nozzle. Inspect the idle tube (H) and main nozzle (V) for foreign particles. Make sure all dirt has been removed.
- e. Choke Plate and Throttle Plate. Inspect choke and throttle plates (E and R) for bends, burs, or damaged edges. Make sure plates are free of carbon deposits. Very small burs can be cleaned up with a file; otherwise replace plates.
- f. Choke Shaft and Throttle Shaft. Inspect shafts of the choke shaft and lever assembly and throttle shaft and lever (L and QQ) for signs of wear or damage. Inspect shafts for straightness and freedom from scratches. Replace damaged shafts. Check the throttle shaft for dimensions specified in paragraph 37.
- g. Throttle Shaft Bushings. Inspect throttle shaft bushings (P and NN) for signs of wear or damage. Check the bushings for dimensions specified in paragraph 38. If necessary to remove the bushings from body (Q) refer to paragraph 21.
- h. Fuel Bowl and Body. Inspect fuel bowl and body (Z and Q) for cracks, dents, or other signs of damage. Replace bowl or body if any of these conditions are found. Make sure all passages are free of foreign particles.

Section III. ASSEMBLY

Note. The key letters shown below in parentheses refer to figure 9.

24. Install Throttle Shaft Bushing and Expansion Plugs

If the throttle shaft bushings (P and NN) were removed (par. 21), install new bushings in body (Q) and press in place using a suitable adapter and arbor press. If removed, install expansion plugs (J, N, and WW) in body.

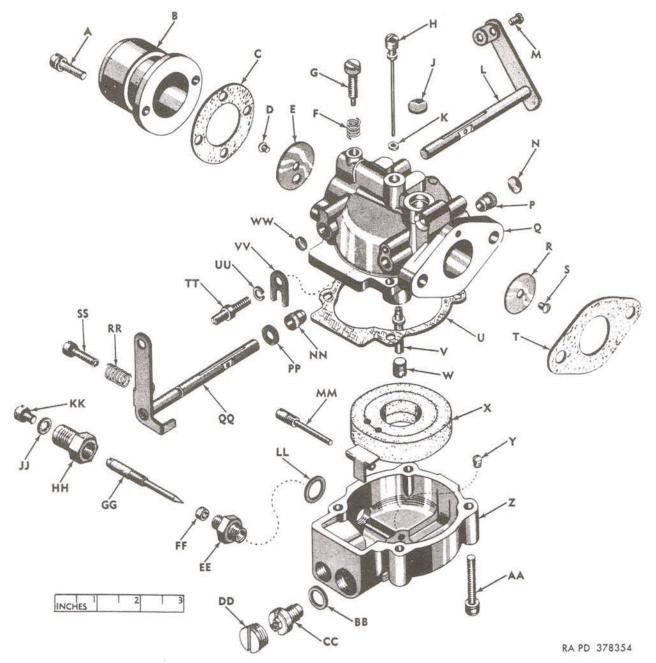


Figure 9. Carburetor-exploded view (inlet needle valve and valve spring not shown).

Body TL-011302

A—No. 8-32 x ½-inch fil-hd screw and lockwasher assembly TL-08315

B—Air horn TL-011295

C—Air horn gasket TL-09462

D—Screw and lockwasher assembly TL-08942

E—Choke plate TL—08862

F—Idle adjusting needle spring TL-05725

G—Idle adjusting needle TL-06910

H—Idle tube TL-08515

J—Expansion plug TL-02531

K—Idle tube gasket TL-07900

L—Choke shaft and lever assembly TL-011348

M—No. 6-32 x 5/16 round-hd screw TL-058

N—Expansion plug TL-03489

P—Throttle shaft bushing TL-09780

T—Mounting gasket TL-05591
U—Fuel bowl gasket TL-07903
V—Main nozzle TL-011291
W—Main nozzle plug screw TL-02395
X—Float TL-011294
Y—Fuel bowl plug screw (small) TL-03311
Z—Fuel bowl TL-08332
AA—No. 8-32 x 1-inch fil-hd screw and lockwasher assembly TL-06062
BB—Inlet needle valve seat gasket TL-02510
CC—Inlet needle valve and seat assembly TL-011290
(Continued on next page)

-Throttle plate TL-08646 -Screw and lockwasher assembly TL-08942 DD—Fuel bowl plug screw (large) TL-07896
EE—Main adjusting needle gland TL-0702
FF—Packing TL-0705
GG—Main adjusting needle TL-011292
HH—Packing nut TL-02695
JJ—Main adjusting needle plug screw gasket TL-0685
KK—Main adjusting needle plug screw TL-02698
LL—Main adjusting needle gland gasket TL-0676
MM—Float lever Pinion screw TL-07901

Install Throttle Shaft and Lever and Throttle Plate

a. Install Throttle Shaft and Lever. Install idle speed regulating screw spring (RR) over regulating screw (SS) and install screw on end of throttle shaft and lever (QQ). Install a new throttle shaft seal (PP) in groove on throttle shaft and install shaft in body (Q). Install throttle shaft clip (VV) with the Ushaped end covering the seal and engaging the groove in shaft. Position a No. 8 lockwasher (UU) on throttle stop pin (TT) and install pin securing clip to body.

b. Install Throttle Plate. Hold the throttle shaft of the throttle shaft and lever (QQ) and insert the throttle plate (R) into slot of shaft alining scribe marks made at disassembly (par. 20a). Install a screw and lockwasher assembly (S) securing plate to shaft. Before tightening the screw, hold the throttle lever in fully closed position and observe the amount of light clearance around the circumference of the plate. Move the plate slightly, if necessary, so that a minimum margin of light appears evenly around the plate, then tighten the screw.

Install Choke Shaft and Lever, Choke Plate, and Idle Adjusting Needle

a. Install Choke Shaft and Lever Assembly. Install choke shaft and lever assembly (L) in body. Install a No. 6-32 x 5/16 roundhead screw (M) in lever.

b. Install Choke Plate. Hold the choke shaft and insert the choke plate (E) into slot of shaft alining scribe marks made at disassembly (par. 19b). Install a screw and lockwasher assembly (D) securing plate to shaft. Before tightening the screw, hold the choke lever in fully closed position and observe the amount of light clearance around the circumference of the plate. Move the plate slightly, if necessary, so that a minimum margin of

NN—Throttle shaft bushing TL-07901
PP—Throttle shaft seal TL-011072
QQ—Throttle shaft and lever TL-011299
RR—Idle speed regulating screw spring TL-0788
SS—Idle speed regulating screw TL-05095
TT—Throttle stop pin TL-09901
UU—No. 8 lockwasher TL-0992
VV—Throttle shaft clip TL-09678
WW—Expansion plug TL-02519

light appears evenly around the plate then tighten the screw.

c. Install Idle Adjusting Needle. Install idle adjusting needle spring (F) over idle adjusting needle (G) and install idle needle in body (Q).

27. Install Main Nozzle and Idle Tube

a. Install Main Nozzle. Install main nozzle
 (V) and main nozzle plug screw (W) in body
 (Q).

b. Install Idle Tube. Position a new idle tube gasket (K) on idle tube (H) and install tube in body.

28. Install Inlet Needle Valve

Install small fuel bowl plug screw (Y) in fuel bowl (Z). Install a new inlet needle valve seat gasket (BB) on valve and seat assembly (CC) and install seat in fuel bowl. Install inlet needle valve and valve spring (fig. 4) in seat. Install large fuel bowl plug screw (DD) in bowl.

29. Install Float

Install float (X) in fuel bowl (Z) with lever arm on top of inlet needle valve and spring. Install float lever pinion screw (MM) through bowl and lever arm securing float in bowl.

30. Adjust Float

(figs. 10 and 11)

With the fuel bowl in an inverted position, as shown in figure 10, and the weight of the float resting on the inlet needle valve, measure the distance from the mating surface of the bowl to the top of the float. Take the measurement at the end of the float farthest from the float lever. The distance indicates the closed position and should be 1/64 inch. If necessary, adjust the float by bending the tab on the float lever with a screwdriver as shown in figure 11.

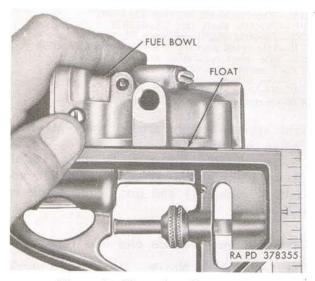
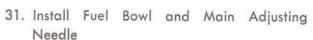


Figure 10. Measuring float position.



a. Install Fuel Bowl. Install a new fuel bowl gasket (U) on bowl (Z) and install bowl on body (Q). Install four No. 8-32 x 1 inch fillister-head screw and lockwasher assemblies (AA) securing bowl to body.

b. Install Main Adjusting Needle. Install a new main adjusting needle gland gasket (LL) on gland (EE) and install gland in fuel bowl. Install a new packing (FF) in packing nut (HH) and install main adjusting needle (GG)

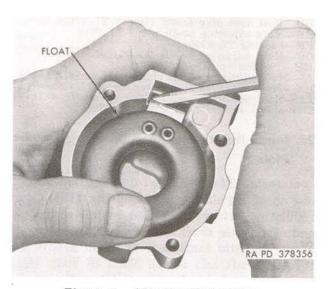


Figure 11. Adjusting float position.

in nut. Install nut and needle on needle gland being careful that the needle is not tightened on seat in gland. The main adjusting needle plug screw (KK) is not installed until after adjustment (par. 34).

32. Install Air Horn

Install a new air horn gasket (C) on air horn (B) and install air horn on body (Q). Install two No. 8-32 x ½ inch fillister-head screw and lockwasher assemblies (A), securing horn to body.

Section IV. ADJUSTMENT

33. Initial Adjustment

Completely close the idle adjusting needle (fig. 2) by turning in without forcing until seated. Then turn back in the opposite direction three-fourths of a turn. Proceed in a like manner with the main adjusting needle (fig. 2) except open one and one-half turns after first being closed. Install on engine. (Refer to pertinent vehicle organizational maintenance manual.) Start engine and run until thoroughly warm.

34. Main Adjusting Needle Adjustment

With engine running at a constant speed of approximately one-half open throttle lever position, slowly turn main adjusting needle (fig. 2) inward until engine begins to lose speed. Then slowly turn out in opposite direction (usually one-eighth to one-quarter of a turn) until maximum speed and power is obtained. Install a new plug screw gasket (JJ, fig. 9) on plug screw (KK, fig. 9) and install screw in packing nut (HH, fig. 9).

35. Idle Adjusting Needle Adjustment

With engine runing at a constant speed and throttle lever in closed position, slowly turn idle adjusting needle (fig. 2), inward until engine begins to lose speed and miss or flutter. Then slowly turn out in opposite direction, usually about one-eighth of a turn, until engine functions smoothly and steadily.

Section V. REPAIR AND REBUILD STANDARDS

36. General

The repair and rebuild standards included herein give the minimum, maximum, and key clearances of new or rebuilt parts. They also give wear limits which indicate that point to which a part or parts may be worn before replacement, in order to receive maximum service with minimum replacement. mally, all parts which have not been worn beyond the dimensions shown in the "wear limits" column or damaged from corrosion will be approved for service. An asterisk (*) in the "wear limits" column indicates that the part or parts should be replaced when worn beyond the limits given in the "sizes and fits of new parts" column. In the "sizes and fits of new parts" column, the letter L indicates a loose fit (clearance) and the letter T indicates a tight fit (interference).

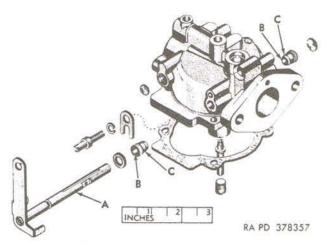


Figure 12. Repair and rebuild standard points of measurement.

37. Throttle Shaft and Lever

(par. 20)

Fig.	Ref.			Sizes and fits	Wear
No.	letter		A []	of new parts	limits
12	A	Shaft	diameter	0.218 to 0.217	
12	A-B	Fit in	bushing.	0.001L to 0.0035L	0.004L

38. Throttle Shaft Bushing

(par. 23)

Fig.	Ref.		Sizes and fits	Wear
Fig. $No.$	letter		of new parts	limits
12	C	Outside diameter	0.283 to 0.279	
12	C-D	Fit in body bore	0.003T to 0.004L	*
			Knurl: Fit in bore	
			0.006T to 0.012T	

APPENDIX I

REFERENCES

1. Publication Indexes

The following indexes should be consulted frequently for latest changes or revisions of references given in this appendix and for new publications relating to material covered in this manual.

Index of Army Motion Pictures, Film Strips, Slides, and Phono-Recordings		Pam	108-1
Military Publications:			
Index of Administrative Publications	DA	Pam	310-1
Index of Blank Forms			
Index of Graphic Training Aids and Devices			
Index of Supply Manuals—Ordnance Corps		Pam	310–29
Work Orders	DA	Pam	310-4
Index of Training Publications	DA	Pam	310-3
2. Supply Manuals			
The following supply manuals of the Department of the Army sup this materiel:	ply r	nanua	al pertain to
a. Repair and rebuild.			
Antifriction Bearings and Related Items	ORI) 5 S	NL H-12
Note. Portions superseded by SM 9-1-3110, 30 June 1956 will not be reprinted.			
Engine Accessories:			
(Class 2910 Engine Fuel System Components, Nonaircraft)	SM	9-1-2	2910
(Class 2930 Engine Cooling System Components, Nonaircraft)	SM	9-1-2	2930
List of All Service Parts and Field and Depot Maintenance Allowances			
for Carburetor, Tillotson Model MD-107A	TM	9-29	10-202-35P
Motor Vehicles, Trailers, and Cycles			
Oil Seals			
Organizational Spare Parts and Special Tools Carrier, Light Weapons,		3 3-8	
Infantry, ½-Ton, 4 x 4, M274		9-80	34-20P
Pipe and Hose Fittings.			
Standard Hardware			
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3. Forms

The following forms pertain to this materiel.

- DA Form 5-31 Shop Job Order Register
- DA Form 9-79, Parts Requisition
- DA Form 9-80, Job Order File
- DA Form 9-81, Exchange Part or Unit Identification Tag
- DA Form 468, Unsatisfactory Equipment Report
- DA Form 865, Work Order
- DA Form 1546, Request for Issue or Turn-in.

4. Other Publications

The following publications contain information pertinent to major item materiel and associated equipment:

a. Destruction to Prevent Enemy Use.

Ordnance S	Service i	n the	Field	FM	9-	-5
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b. General.	
Department of the Army Publications Media and Numbering	AR 310-2
Motor Vehicles	AR 700-2300-1
Unsatisfactory Equipment Report.	AR 700-38
Military Symbols	
Military Terms, Abbreviations, and Symbols:	
Authorized Abbreviations	AR 320-50
Dictionary of United States Army Terms.	SR 320-5-1
Military Training	FM 21-5
Ordnance Maintenance and General Supply in the Field	FM 9-10
Packaging and Packing for Shipment and Storage of Spare Parts for	
Military Vehicle	MIL-P-11443
Packaging General Supplies.	ORDM 3-5
Techniques of Military Instruction	FM 21-6
c. Operation.	
Operator's Manual: ½-Ton, 4 x 4, Infantry Light Weapons Carrier M274	TM 9-8034-10

d. Maintenance and Repair.

Disposal of Supplies and Equipment; Uneconomically Repairable Ord-		
nance Vehicle		755-2300-2
Maintenance of Supplies and Equipment: Expenditure Limits for Repair		
of Tactical Type Transport Vehicles	AR	750-2300-7

By Order of Wilbur M. Brucker, Secretary of the Army:

MAXWELL D. TAYLOR, General, United States Army, Chief of Staff.

Official:

HERBERT M. JONES,
Major General, United States Army,
The Adjutant General.

Distribution:

Active Army:

ASA (2) Technical Stf, DA (1) except CofOrd (19) Ord Bd (2) USCONARC (3) USARADCOM (2) USARADCOM Rgn (2) OS Maj Comd (2) Log Comd (3) MDW (1) Armies (3) Corps (2) Div (2) Ord Gp (2) Ord Bn (2) except TOE 9-45, 9-375 (None) Ord Co (2) except TOE 9-12, 9-17, 9-46, 9-47, 9-57, 9-229, 9-347, 9-367, 9-376, 9-377, 9-387 (None) Ft & Camps (2) except Ft Bragg (4), Ft Hood, Ft Bliss, Ft Sill, Ft Sam Houston (9) Ord Ammo Comd (1) Ord Tk Autmy Comd (65) Svc Colleges (2)

Br Svc Sch (2) except USA Ord Sch (50) PMST Sr Div Ord Units (1) Gen Depots (2) Ord Sec, Gen Depots (5) Ord Depots (10) except Rossford Ord Depot (12), Anniston Ord Depot (18) Port of Emb (OS) (2) Trans Terminal Comd (2) Army Terminals (2) OS Sup Agey (1) Ord PG (10) Ord Arsenals (5) except Raritan Arsenal (53), Frankford Arsenal (15), Benicia Arsenal (20) Fld Comd, AFSWP (1) Mil Dist (1) USA Corps (Res) (1) Sectors, USA Corps (Res) Ord Proc Dist (10) MAAG (1) Mil Mis (1) JBUSMC (2) JUSMAG (Greece) (2)

NG: State AG (6); units—same as Active Army except allowance is one copy to each unit. USAR: None.

For explanation of abbreviations used, see AR 320-50.

