

Ordnance Field Service Base Shop Data**CAR, SCOUT, M3A1**

WITH HERCULES ENGINE

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ORDNANCE FIELD SERVICE
BASE SHOP DATA (BSD)

1. Scope. - Base Shop Data have been prepared for the purpose of acquainting using personnel with the RIA shop methods of dismantling the units described, making the necessary repairs, and reassembling the components into a serviceable unit.

2. General Information.

a. Each BSD, pertaining to a particular component or sub-assembly, is stapled into a unit and is provided with a colored front sheet showing a number in the lower right hand corner which corresponds to the alphabetically arranged "List of Contents".

b. Plant Lay Out is covered by a separate BSD and includes personnel, shops, tools and equipment required to take care of a predetermined production. Copies of this BSD can be obtained from the Office of the Chief of Ordnance, MOPD, Washington, D.C.

c. Tool Drawings specified on BSD sheets indicate RIA tool drawings which will be made available on request to the MOPD.

3. Procedure.

a. Disassembly. - Disassemble the unit in the sequence described in the BSD and tag the components, if necessary, to facilitate reassembly. Thoroughly clean all components.

b. Repair. - Repair or replace all parts which are worn to such an extent that they prevent proper functioning of the unit. Smooth all rough spots, remove all rust, burrs, and sharp corners by means of a smooth file, fine abrasive cloth or an oil stone.

c. Reassembly. - Proceed in the sequence shown in the BSD. Be sure all parts are free from dust or dirt. Cover all steel parts in contact with a light film of lubricating oil prior to assembly.

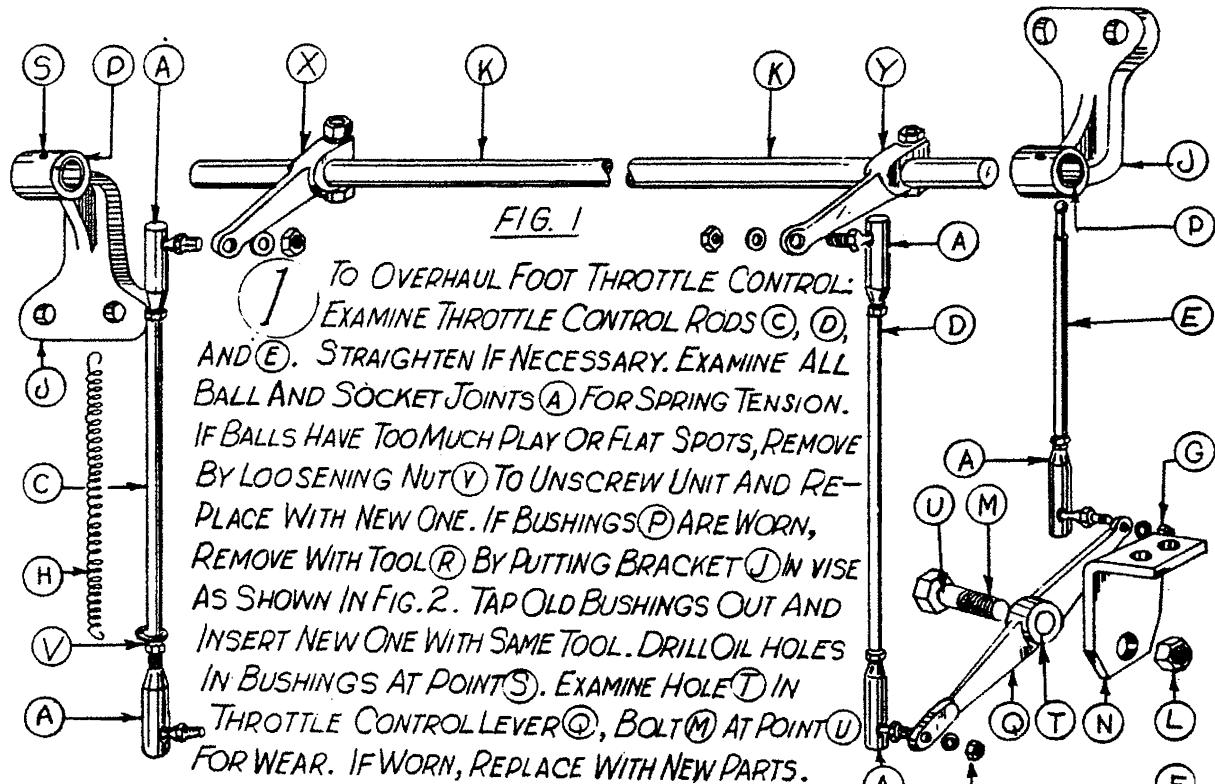
4. General Instructions.

a. Cotter pins must be properly spread. Bolts, nuts, and screws must be tight and should be locked if there is danger of their becoming loose in service. Cap screws, drilled for locking wire, must be securely wired. Lock washers must be applied where required. Rivets must be tight and completely fill the rivet holes. Adjustments must be securely locked by the locking facilities when provided. New packings and gaskets must be used in reassembling.

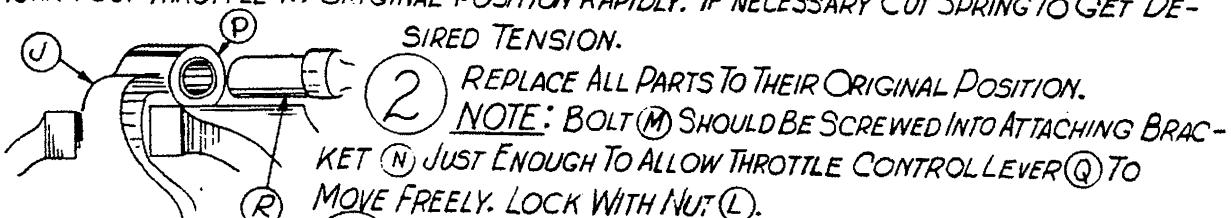
b. Lubrication facilities must function properly, be readily accessible for servicing, and permit uninterrupted passage of the lubricant. Fittings and passages must be free from dirt and possible metal chips prior to assembly and before the lubricant is applied. Anti-friction bearings must be packed at assembly with sufficient wheel bearing grease to fill the space between the balls or rollers. Gear cases shall be filled with the proper lubricant to the proper operating level. Lubrication fittings must be painted red so that they can be readily located. "Detailed Lubrication Instructions", which include the type and grade of the lubricant to be used, are issued as Ordnance Field Service Bulletins, 6 Series (OFSB 6-) and should be followed.

BASE SHOP DATA - ISSUE OF 9/4/48 R

VEHICLE M3A1 Scout Car	UNIT E	OVERHAUL MECHANICAL ACCESSORIES	SUB ASSEMBLY ACCELERATOR PEDAL AND LINKAGE	SHEET E3 1 OF 1
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CLEAN AND OIL ALL MOVEABLE PARTS. TENSION ON SPRING **H** SHOULD BE ENOUGH TO RETURN FOOT THROTTLE TO ORIGINAL POSITION RAPIDLY. IF NECESSARY CUT SPRING TO GET DESIRED TENSION.



TOOL DWG NO
908773

FIG. 2

3 DISMANTLE THE FOOT THROTTLE CONTROL AT POSITION SHOWN IN ILLUSTRATION.

NOTE: DO NOT REMOVE BRACKET **X** AND **Y** UNLESS BADLY BENT. IF THEY CAN BE SALVAGED, MARK POSITION ON THE SHAFT WHEN REMOVING.

TOOLS REQUIRED

TOOL DWG. NO.	SHEET	OPER	DET
908773	1	1	(R)

M3A1SC-BH-E3-1 (1)

B.S.D. No.

Accelerator (Pedal Linkage)

1

