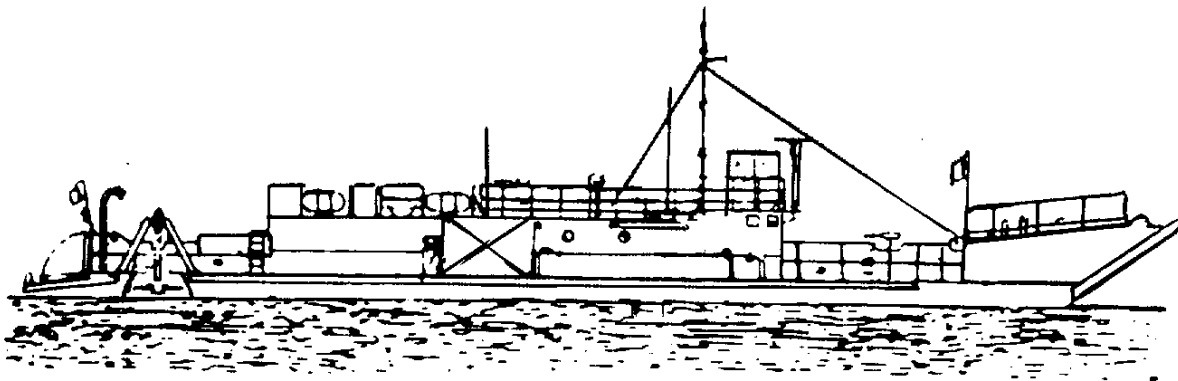


TECHNICAL MANUAL
OPERATOR'S, ORGANIZATIONAL,
AND DIRECT SUPPORT
MAINTENANCE MANUAL

DIRECT SUPPORT
MAINTENANCE
INSTRUCTIONS

GENERAL SUPPORT
MAINTENANCE
INSTRUCTIONS

LANDING CRAFT UTILITY
LCU 1671-1679
NSN 1905-01-009-1056



HEADQUARTERS, DEPARTMENT OF THE ARMY

8 APRIL 1985

HEADQUARTERS
DEPARTMENT OF THE ARMY
WASHINGTON, D.C., 8 April 1985

OPERATOR'S ORGANIZATIONAL, DIRECT SUPPORT,
AND GENERAL SUPPORT MAINTENANCE MANUAL

LANDING CRAFT UTILITY

LCU 1671-1679 NSN 1905-01-009-1056

REPORTING ERRORS AND RECOMMENDING IMPROVEMENTS

You can help improve this manual. If you find any mistake or if you know of a way to improve the procedures, please let us know. Mail your letter, DA Form 2028 (Recommended Changes to Publications and Blank Forms), or DA Form 2028-2 located in the back of this manual direct to: Commander, U. S. Army Troop Support Command, ATTN: AMSTS-MPS, 4300 Goodfellow Boulevard, St. Louis, MO 63120-1798. A reply will be furnished directly to you.

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CHAPTER 5. DIRECT SUPPORT MAINTENANCE INSTRUCTIONS (Continued).....	5-905
CHAPTER 6. GENERAL SUPPORT MAINTENANCE INSTRUCTIONS.....	6-1
INDEX.....	Index-1

5-68. ANCHOR WINCH ENGINE - MAINTENANCE INSTRUCTIONS.

The following is an index to the Anchor Winch Engine maintenance instructions:

<u>Description</u>	<u>Paragraph</u>
Engine Assembly	5-69
Governor.....	5-70
Blower	5-71
Fuel Injector.....	5-72
Fresh Water Pump.....	5-73
Water Manifold	5-74
Thermostat and Housing	5-75
Exhaust Manifold	5-76
Flywheel and Housing	5-77
Lube Oil Pump	5-78
Cylinder Block.....	5-79
Hydrostarter Piping	5-80
Hydrostarter Reservoir	5-81

The following is an index to the Hydrostarter Maintenance procedures.

<u>Description</u>	<u>Paragraph</u>
Hydrostarter	5-21
Accumulator.....	5-22
Engine Driven Pump.....	5-23
Solenoid.....	5-24

5-69. ENGINE ASSEMBLY - REMOVAL AND RUN-IN MAINTENANCE INSTRUCTIONS.

This task covers:

- a. Removal
 - b. Engine Run-In Instructions
 - c. Installation
-

INITIAL SETUP**Test Equipment**

NONE

References

Vol-10 F0-1 Machinery/Vehicle Deck
Access

Special Tools

Cutting tools
Welding tools
Crane (10 ton)
Miscellaneous chains

**Equipment
Condition
Paragraph****Condition Description**

5-65.1 Disconnect Clutch Assembly
Removed

5-66 Torque Converter Removed

Material/Parts

NONE

Special Environmental Conditions

Do not drain oil into bilges. Use
oil/water separation and recovery
system to collect oil.

Personnel Required

6

General Safety Instructions

Observe normal precautions when
handling heavy equipment.

LOCATION

ITEM

ACTION

REMARKS

NOTE

Anchor Winch Engine weight is 2, 880 lbs. (1306 kg) dry.

5-69. ENGINE ASSEMBLY - REMOVAL AND RUN-IN - MAINTENANCE INSTRUCTIONS
(Continued).

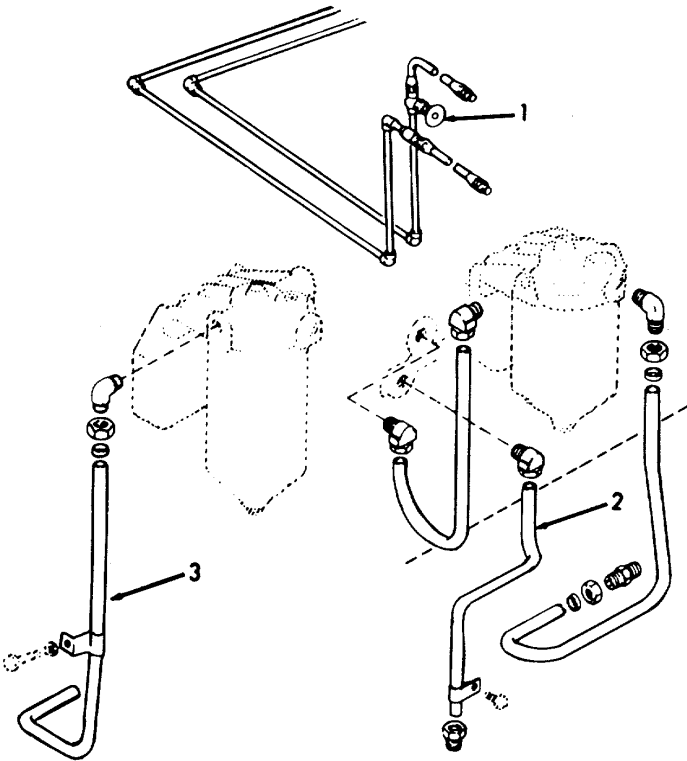
LOCATION	ITEM	ACTION	REMARKS
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WARNING

- To prevent the possibility of a fire when using cutting or welding equipment, place a crewman above and below the deck with a fire extinguisher.
- Keep clear of the area directly below the deck section being removed.

REMOVAL

- | | | | |
|---------------|--|-------------|---------------------------------------|
| 1. Fuel Lines | a. Valve (1) | Close. | |
| | b. Fuel drain tube (2), and strainer to fuel pump tube (3) | Disconnect. | Drain fuel into a suitable container. |



5-69. ENGINE ASSEMBLY - REMOVAL AND RUN-IN - MAINTENANCE INSTRUCTIONS
(Continued).

LOCATION	ITEM	ACTION	REMARKS
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REMOVAL (Cont)

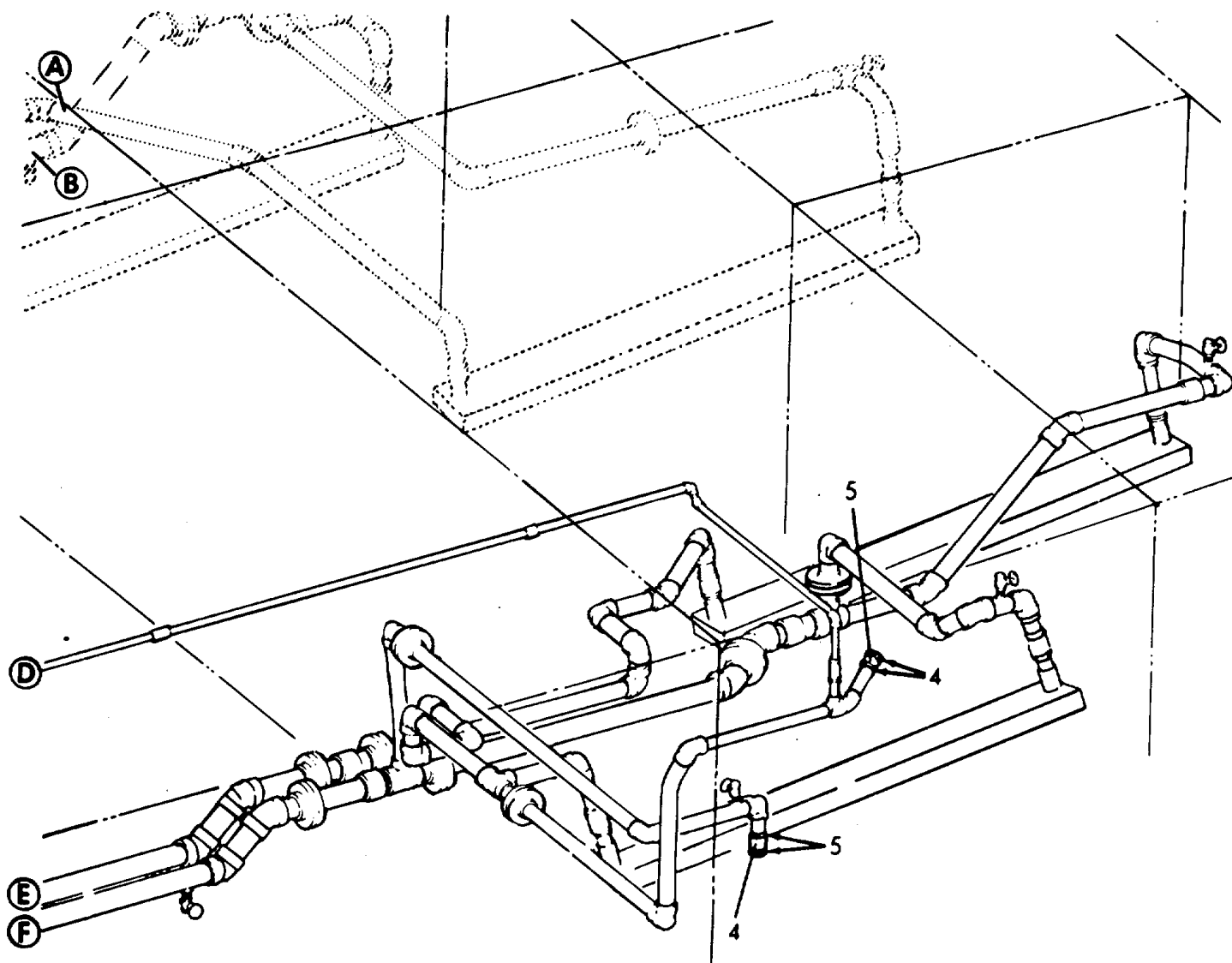
2. Cooling
Lines

a. Hose
clamps
(4)

Loosen.

b. Hoses
(5)

Remove.



5-69. ENGINE ASSEMBLY - REMOVAL AND RUN-IN - MAINTENANCE INSTRUCTIONS
(Continued).

LOCATION	ITEM	ACTION	REMARKS
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REMOVAL (Cont)

3. Exhaust
Piping

a. Screws
(6 and 7),
and lock-
washers
(8)

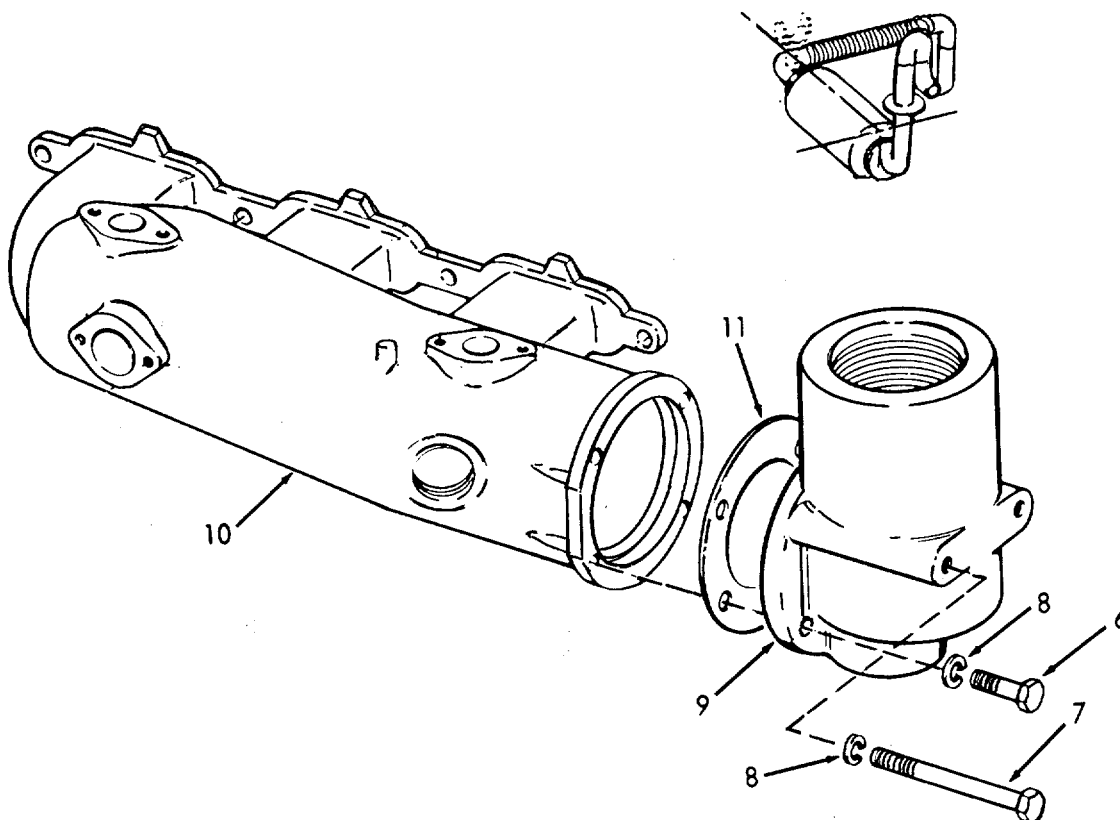
Remove.

b. Exhaust
elbow
(9),
and
manifold
(10)

Separate.

c. Asbestos
gasket
(11)

Remove.



5-69. ENGINE ASSEMBLY - REMOVAL AND RUN-IN - MAINTENANCE INSTRUCTIONS
(Continued).

LOCATION	ITEM	ACTION	REMARKS
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REMOVAL (Cont)

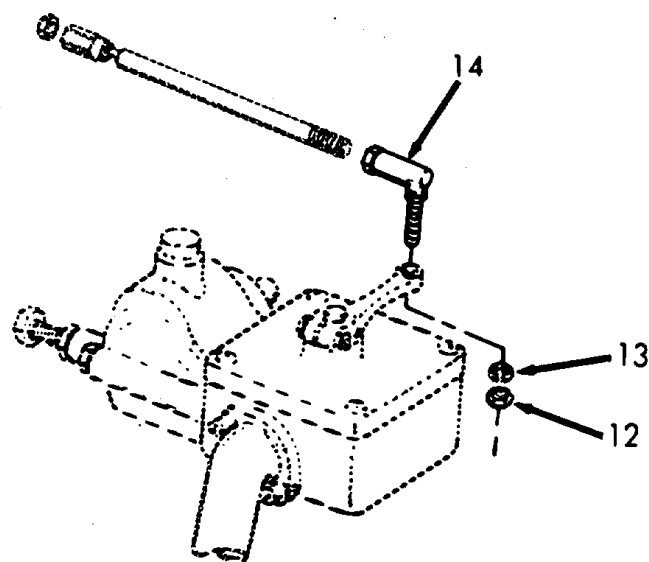
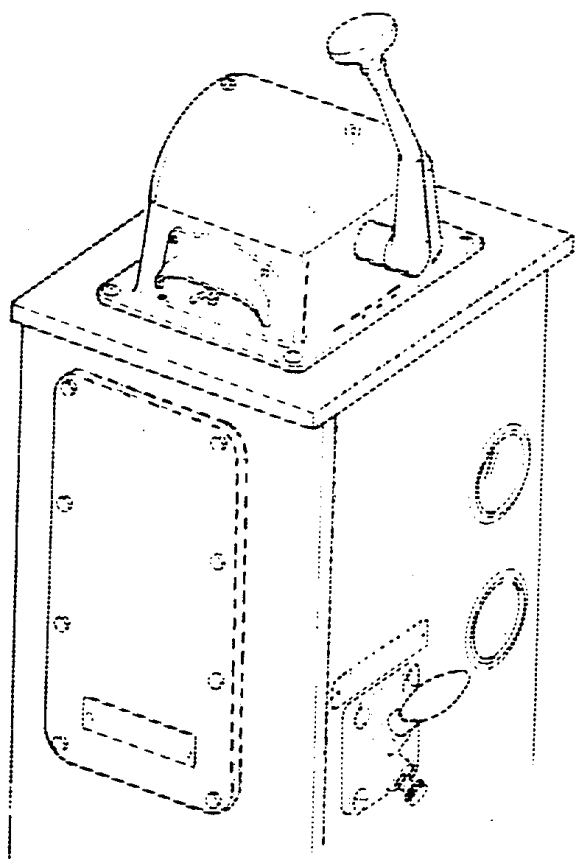
4. Stop
Cable

a. Nut
(12),
and
lock-
washer
(13)

Remove.

b. Ball
joint
(14)

Remove.

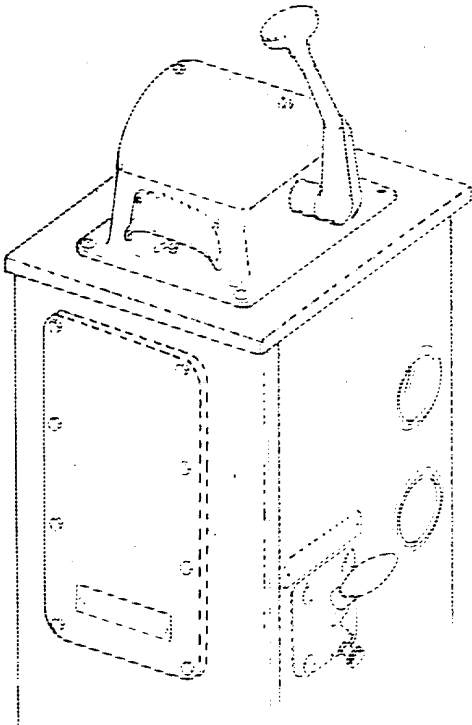
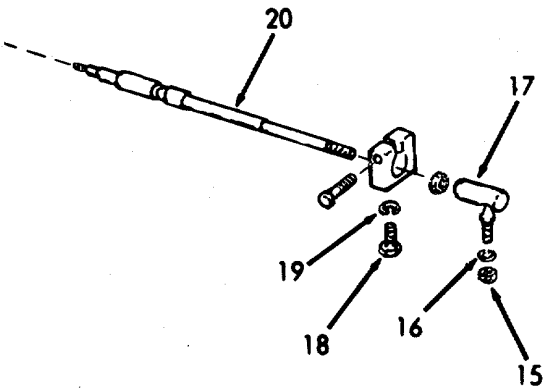


5-69. ENGINE ASSEMBLY - REMOVAL AND RUN-IN - MAINTENANCE INSTRUCTIONS
(Continued).

LOCATION	ITEM	ACTION	REMARKS
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REMOVAL (Cont)

5. Shutdown Lever	a. Nut (15), and lock- washer (16)	Remove.
	b. Ball joint (17)	Remove.
	c. Screws (18), and lock- washers (19)	Remove.
	d. Control cable (20)	Remove.



5-69. ENGINE ASSEMBLY - REMOVAL AND RUN-IN - MAINTENANCE INSTRUCTIONS
(Continued).

LOCATION	ITEM	ACTION	REMARKS
----------	------	--------	---------

REMOVAL (Cont)

- | | | | |
|----------------------------|---|---------------------|--|
| 6. Control Pedestal Wiring | Wiring | Tag and disconnect. | |
| 7. Hydraulic Piping | a. Flexible hose (21) to top of hydraulic tank | Remove. | |
| | b. Flexible hose (22) to bottom of hydraulic tank | Remove. | |

