



MT-54F Tamping Rammer

Starting Instructions

The following instructions are intended to assist the user in starting the MT-54F Tamping Rammer. Please read the entire instructions before starting.

Rammer Gearbox and Spring Cylinder Oil Bath

This unit uses an oil bath lubrication system. Perform the following:

1. Check the oil level through the oil level sight glass (Figure 1) at the rear of the tamper foot.

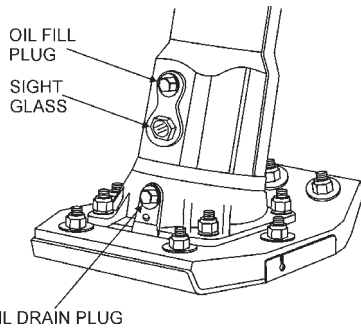



Figure 1. Foot Housing Sight Glass

2. If oil is not visible, add 10W-30 motor oil into the oil fill plug opening (Figure 1). The bath contains approximately 1.7 pints (800 cc.). The oil level should be kept at the half way point of the sight glass.

! WARNING Explosive Fuel Hazards

Gasoline is extremely flammable, and its vapors can cause an explosion if ignited. **DO NOT** start the engine near spilled fuel or combustible fluids.

DO NOT fill the fuel tank while the engine is running or hot. **DO NOT** overfill tank, since spilled fuel could ignite if it comes into contact with hot engine parts or sparks from the ignition system. Store fuel in approved containers, in well-ventilated areas and away from sparks and flames.



Season or Temperature	Grade of motor oil (higher than MS class)
Spring, Summer or Autumn +120° F to +15° F	SAE 30
Winter +40° F to +15° F	SAE 30
Below +15° F	SAE 10W-30

Fuel

1. Fill the fuel tank (Figure 2) with unleaded gasoline. **DO NOT** overfill, wipe up spilled fuel immediately.

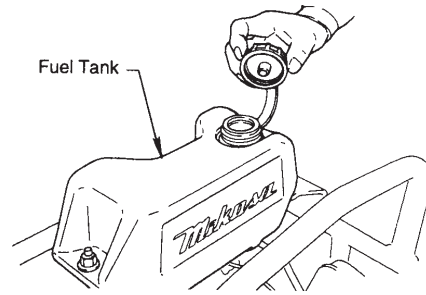


Figure 2. Fuel Tank

Engine Oil Check

1. To check the engine oil level, place the rammer on secure level ground with the engine stopped.
2. Remove the filler cap/dipstick from the engine oil filler hole (Figure 3) and wipe it clean.

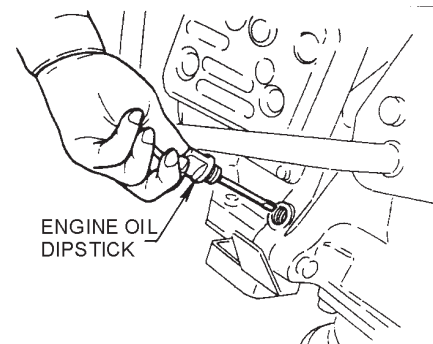


Figure 3. Engine Oil Dipstick

3. Insert and remove the dipstick without screwing it into the filler neck. Check the oil level shown on the dipstick.
4. If the oil level is low (Figure 4), fill to the edge of the oil filler hole with the recommended oil type.

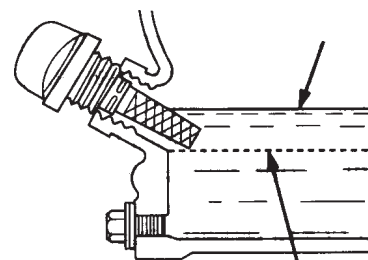


Figure 4. Engine Oil Dipstick (Oil Level)

Initial Start-up

When starting the MT-54F Tamping Rammer perform the following:

1. Open the **fuel shut-off valve** by moving the **fuel cock** lever to the **open** position (Figure 5).

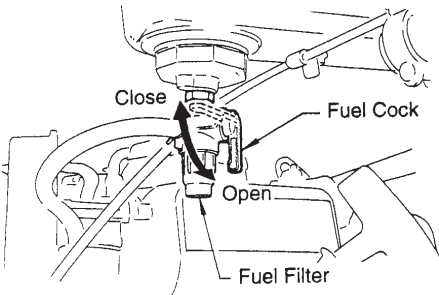


Figure 5. Fuel Cock

2. Set the engine ON/OFF switch (Figure 6) to the "ON" position (start).

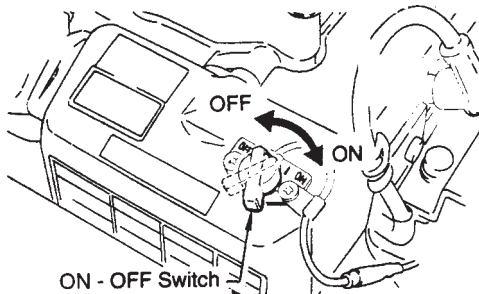


Figure 6. On Off Switch

3. Close the choke lever (Figure 7). Turning the choke lever 90 degrees clockwise closes the choke. In cold weather, start the unit with choke fully closed. In warm weather or when the engine is warm, the unit can be started with choke halfway or completely open.

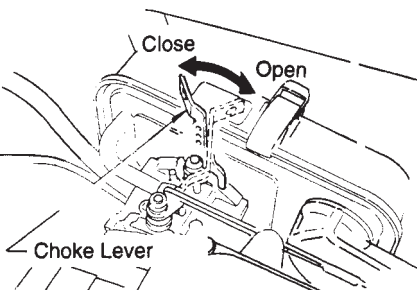


Figure 7. Choke Lever

4. Move the throttle lever (Figure 8) between 1/4 to 1/2 from the idle position.

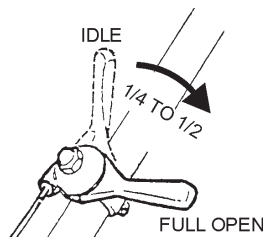


Figure 8. Throttle Lever (1/4 to 1/2)

5. Grip the recoil starter (Figure 9) handle and pull it until you feel a slight resistance. Then pull sharply and quickly. Return the recoil starter handle to the starter case before releasing.

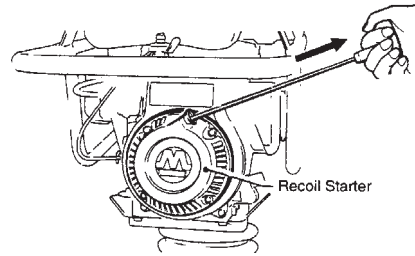


Figure 9. Recoil Starter

6. When the engine starts, move the choke lever slowly to the "FULL OPEN" position. Warm up the engine by running at low speed for three to five minutes, check for gas leakage or abnormal sounds.
7. If the engine does not start after repeated attempts, check the spark plug for excess fuel. Clean and replace the spark plug as needed, then move the choke lever (Figure 7) to the half open position to avoid flooding and repeat steps 1 thru 5.

Operation

1. To start the rammer tamping action, move the throttle lever (Figure 10) **quickly** from **IDLE** (close) to the **FULL OPEN** position. **DO NOT** move the throttle lever slowly as this may cause damage to the clutch or spring.

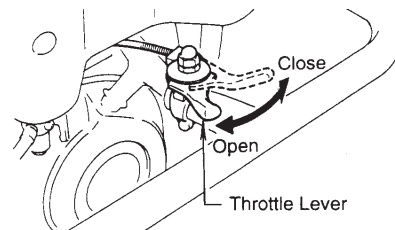


Figure 10. Throttle Lever (Full Open)

Stopping The Engine

Normal Shutdown

1. Move throttle lever quickly from the **FULL OPEN** to **IDLE** position (Figure 8) and run the engine for three minutes at low speed.
2. Close the **fuel shut-off valve** (Figure 5) by moving the fuel cock lever to the **CLOSED** position.
3. After the engine **cools**, turn the engine start/stop switch to the "OFF" position (Figure 6).

Emergency Showdown

1. Move the throttle lever quickly to the **IDLE** position, and turn the engine start/stop switch to the **OFF** position. Turn fuel valve lever to the **CLOSED** position.



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