

WM-70 PLASTER/MORTAR MIXER — START-UP PROCEDURE

This section is intended to assist the operator with the initial start-up of the WM-70 mixer (with gasoline engine or electric motor). It is extremely important that this section be read carefully before attempting to use the mixer in the field.



DO NOT use your mixer until this section is thoroughly understood.

WARNING

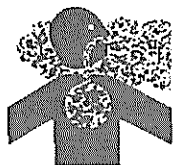
Explosive Fuel Hazard

Failure to understand the operation of the WM-70 series mixers could result in **severe damage** to the mixer or **personal injury**.

See Figure 5 for the location of any control referenced in this manual.

CAUTION

Respiratory Hazard



NEVER operate the mixer in a confined area or enclosed area structure that does not provide ample **free flow of air**.

Start-up Procedure(Gasoline Engine)

The following steps outline the procedure for starting the engine. Depending on the type of engine employed in the mixer the steps may vary slightly. If your mixer has an electric motor disregard this section.

1. Move the fuel shut-off lever (Figure 11) to the **ON** position.

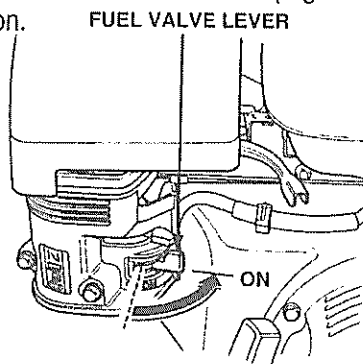


Figure 11. Fuel Shut-OFF Lever

2. To start a cold engine, move the choke lever (Figure 12) to the **CLOSED** position.

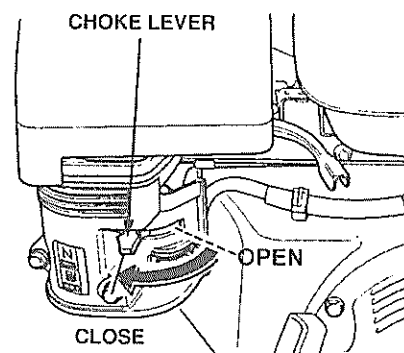


Figure 12. Choke Lever

3. Move the throttle lever (Figure 13) away from the slow position, about 1/3 of the way toward the fast position.

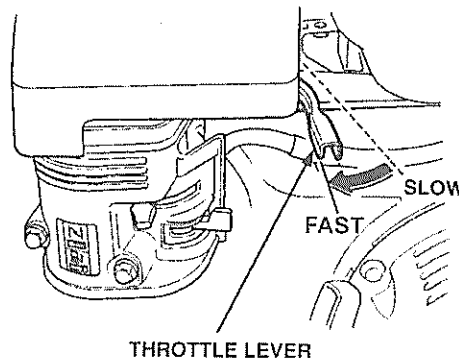


Figure 13. Throttle Lever

WM-70 PLASTER/MORTAR MIXER — START-UP PROCEDURE

Turn the engine switch (Figure 14) to the **ON** position.

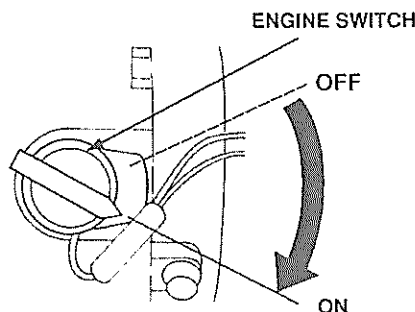


Figure 14. Engine ON/OFF Switch

5. The main **start/stop** switch located on the engine cover is (Figure 15) is used to start and stop the engine. Pull this switch outward to start the engine.

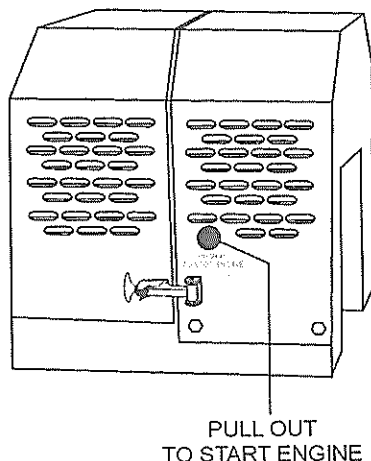


Figure 15. Start/Stop Switch (gasoline engine)

6. Place the **belt slip lever** (Figure 16) in the **START/STOP** (disengaged) position.

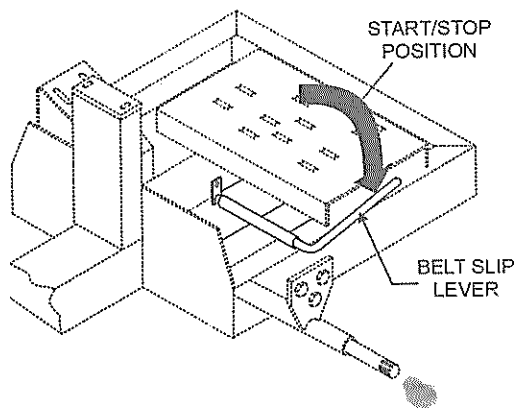


Figure 16. Belt Slip Lever (Start/Stop Position)

CAUTION

Preventing Drum Tipping

Make certain the **drum lock pin** (Figures 17 and 18) is placed to the **RIGHT** (when viewing the mixer from the towpole end) of the drum stop block which is welded to the front side of the drum. Also make sure lock pin is fully engaged (locked). This will prevent the drum from tipping.

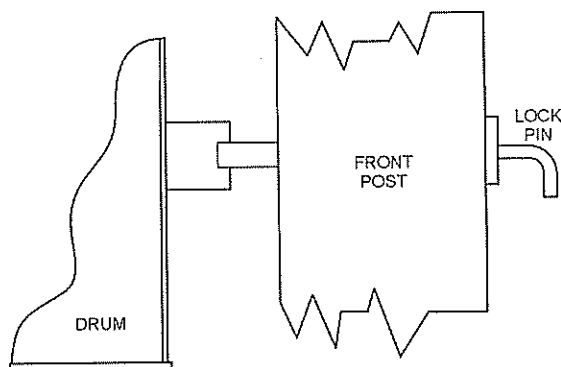


Figure 17. Drum Lock Pin (Side-View)

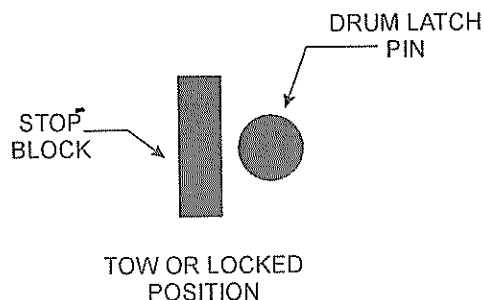


Figure 18. Drum Lock Pin (Right Position)

7. Pull the **starter grip** (Figure 19) lightly until you feel resistance, then pull briskly. Return the starter grip gently.

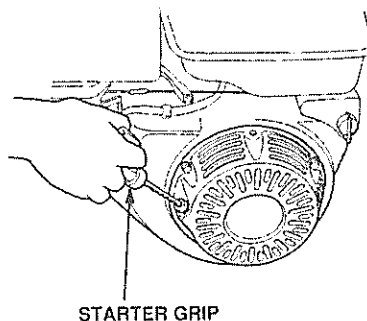


Figure 19. Starter Grip

WM-70 PLASTER/MORTAR MIXER — START-UP/SHUT-DOWN PROCEDURES

- Place the belt slip lever (Figure 20) in the *mix* position. This will tilt the engine placing tension on the V-belts enabling the shaft to rotate.

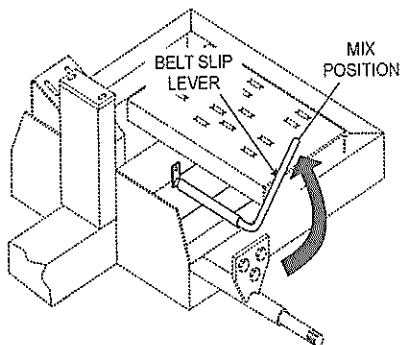


Figure 20. Belt Slip Lever (Mix Position)

Start-up Procedure(Electric Motor)

- Using an adequate size extension cord (see Table 6), connect one end of the extension cord to the plug on the electric motor, connect the other end to the power source. Make sure the motor is configured for the proper operating voltage.
- Set the electric motor's **ON/OFF** switch (Figure 7) to the **ON** position.

Mixing Dumping

- The paddle shaft inside the drum should be rotating at this time.
- Add a small amount water to the mixing drum.
- Lift the mixing bag compound onto the steel safety grate over the bag cutter and let the contents fall into the drum. Add more water if desired and mix compound to desired consistency.

- When charging, mixing, or dumping a batch of plaster or mortar the **drum lock pin** should be placed to the **left** (when viewing the mixer from the towpole end) of the drum stop block which is welded to the front side of the drum. See Figure 21.

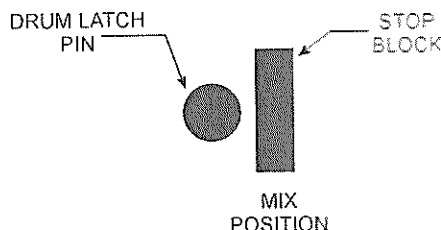


Figure 21. Drum Lock Pin (Left Position)

This will allow the operator to use both hands on the drum handle during dumping. Please note that when the lock pin is placed to the left, the drum will be maintained in the vertical position as the paddles rotate. To discharge the material the operator should hold the dump handle with **both hands** and rotate the drum to discharge the desired amount of material.



WARNING

Dump Handle Safety

Be sure to stand clear of the **dump handle** (Figure 22) when the mixer is operational. Any binding of material between the mixer blades and the drum will cause the drum handle to quickly move and could cause bodily harm.



Figure 22. Stand Clear of Dump Handle

WM-70 PLASTER/MORTAR MIXER — OPERATION

Stopping the Mixer (Gasoline Engine)

1. Place the **belt slip lever** in the **start/stop** position (Figure 20).
2. Push the main **start/stop** switch (Figure 15) inward to stop the engine.
3. Turn the fuel shut-off valve to the **OFF** position.
4. Disconnect the spark plug.
5. Clean mixer as referenced in the maintenance section of this manual.

Stopping the Mixer (Electric Motor)

1. Place the electric motor's **ON/OFF** switch (Figure 7) in the **OFF** position.
2. Disconnect the electric motor's extension cord from its power source.
3. Clean mixer as referenced in the maintenance section of this manual.

NOTE



It is recommended that the mixer's **Start/Stop switch** be used to stop the engine after every use.

Doing this will verify that the switch is working properly and presents no danger to the operator.



DANGER

DO NOT Disconnect the Start/Stop Switch

NEVER disable or disconnect the start/stop switch. It is provided for operator safety. **Serious Injury** may result if it is disabled, disconnected or improperly maintained.