



Jensen Steam Engine Dry Fuel Heated Engine Operating Instructions

Models: 60, 65, 75, 76, 85, 85G

Jensen Steam Engines -1-800-525-5245, Technical information
www.jensensteamengines.com

DRY FUEL FIRED STEAM ENGINE - CAUTION: Boiler, Steam Pipe, Cylinder, Firebox - **HOT - DO NOT TOUCH AFTER HEAT IS APPLIED.** Do not remove Safety Valve or Whistle until heat is removed and all pressure is released from boiler, either through whistle or engine

FUEL USED WITH THIS ENGINE MAY BE HARMFUL OR FATAL IF SWALLOWED. NOT TO BE USED BY CHILDREN WITHOUT ADULT SUPERVISION. CONTAINS METHENAMINE

In case of accidental ingestion, feed Sodium Bicarbonate with large amounts of water. Contact Physician

This Steam engine is operated by means of steam pressure generated by heating water in the boiler, using small fuel tablets placed in a tray beneath the boiler. The boiler is equipped with a safety valve and whistle* (top center). The engine is equipped with a throttle (on steam pipe) to control the speed of the engine from full throttle (handle parallel with the steam pipe) to complete stop (handle in cross position to the steam pipe) Place unit on a level surface which will not be harmed by heat or water. Be sure the safety valve is operable by pulling up spring loaded stem. By filling initially with hot water, a longer running period may be obtained.

* Except model #85 and #85G

TO OPERATE:

- #1 Open Whistle to vent air. Remove Safety Valve and pour distilled water (preferably warm or hot) into the boiler until view glass shows half full.
(**TIP:** a plastic squeeze bottle such as those used in restaurants is excellent for filling the boiler safely)
- #2 Replace Safety Valve, making sure washer is in place
- #3 Place fuel tablets flat in tray using quantities indicated for your engine model. **DO NOT** exceed maximum!
Style #60, #85, #85G - Recommended two (2) fuel tablets
Style # 65, 75 - Recommended three (3) fuel tablets
Light tablets and slide tray under boiler. Flame will spread over the entire tablet. Steam pressure will develop after several minutes as indicated by water or steam appearing at the exhaust or whistle. Rotate the flywheel to start. Rotation may be reversed on Model #65 by rotating the flywheel in the desired direction and on a model #75 by using the reversing lever located at the cylinder. Model #60, # 85 and #85G engines are not reversible.
- #4 Check water level between refills of fuel.
CAUTION - RELIEVE BOILER PRESSURE THROUGH WHISTLE BEFORE REMOVING SAFETY VALVE TO FILL BOILER.

MAINTENANCE:

All moving parts should be oiled occasionally. Cylinder walls may be oiled by placing a few drops of oil in the exhaust and turning the engine backwards. If engine will not run, check the following:

- #1 Tightness or binding - oil as needed.
- #2 Check for proper alignment between eccentric and crank. If incorrect, loosen allen screw to adjust and retighten.
Style #65 - Align allen screw in pulley with crank
Style #75 - Align small screw in eccentric assembly, opposite to crank screw
- #3 Should gauge glass leak, use rectangular wrench to tighten retaining ring.

