



**MODEL: MASSEY FERGUSON 1532
OPTIONAL HEATER KIT (p/n 9PH20S36)**

HEATER INSTALLATION:

1. Using the hole pattern in the heater bracket (welded to the right unitized side frame) as a guide, temporarily install the 20,000 BTU MEGA BURNER heater to the heater bracket using three of the four 1/4" screws on the side of the heater. Remove plugs (if equipped) from heater inlet and outlet tubes.
2. For easier access, temporarily remove the vehicle's right side engine cover and the air intake pipe. Replace these components when heater installation is complete.
3. Remove plugs in bottom right side of the windshield cowl and install plastic bushings (supplied in heater kit) by pushing into the holes from the inside of the cab.

HEATER PLUMBING:

***** CAUTION *** To avoid injury caused by hot engine coolant, make sure the engine is completely cooled down before beginning installation of auxiliary heater.**

1. Drain the cooling system. For the return line from the heater, cut the lower radiator hose and install the supplied T-fitting with the large hose clamps in the location shown in FIG. 1.
2. Ref. FIG. 2. For the supply line to the heater, remove the temperature sending unit from the right side of the lower thermostat housing. Install the supplied universal sending unit adaptor to the thermostat housing where the sending unit was removed, using the small hex bushing and small washer, the adaptor and a large washer, a 3/8" NPT supply line nipple in the side port of the adaptor and replace the sending unit to the port on the end of the adaptor. Per FIG. 2, the 3/8" supply line nipple should be pointing up after installation—if it does not, remove the adaptor and install another plastic washer and try again. Note: Removing the vehicle's bypass hose should ease installation of the adaptor. Replace bypass hose when installation of the adaptor is complete.
3. Run the supplied heater hose from the 3/8" NPT supply line nipple up under the upper radiator hose then down along the right side of the radiator shroud and along the bottom of the engine compartment, through one of the holes in the windshield cowl then up to the heater. Cut to length and attach to engine supply line nipple and the heater using two small hose clamps. Secure the hose to the upper radiator hose with large plastic wire tie supplied.
4. Use the remaining hose to run from the T-fitting return line nipple along the bottom of the engine compartment with the supply line hose, through the remaining hole in the windshield cowl and up to the heater. Cut to length and attach to return line T and the heater using two small hose clamps. Replace the vehicle's right side engine cover and ensure the heater hoses exit the engine compartment under this cover. Secure the two hoses away from any moving objects using the supplied large wire ties. (see FIG. 3 on this page and fig. 4 on the next page.)

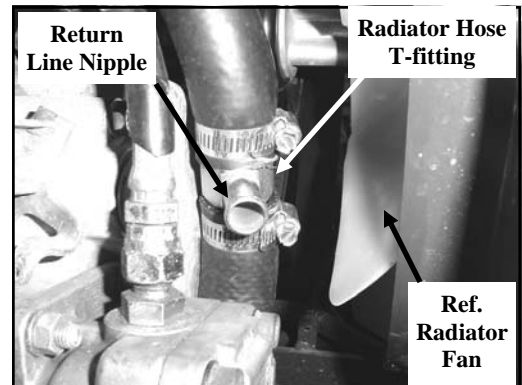


FIG. 1

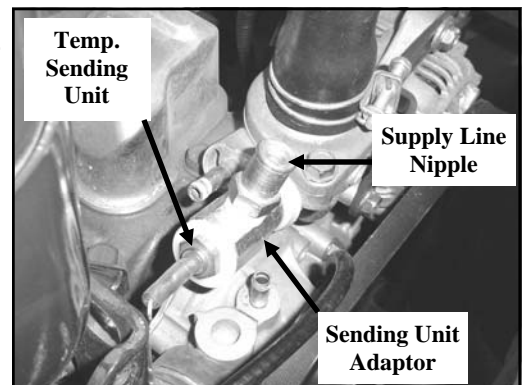


FIG. 2

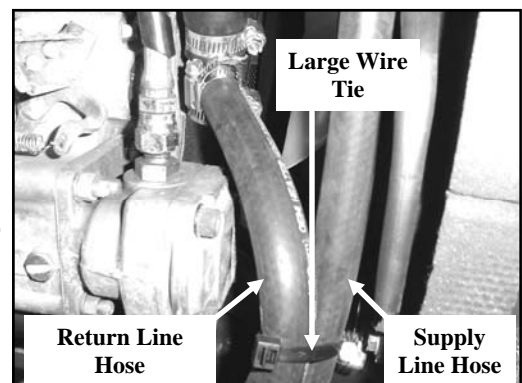


FIG. 3

HEATER PLUMBING (cont'd.) :

- Splice into the heater supply line approximately 3" above the supply line nipple and install the in-line shut-off valve with two small hose clamps (see FIG. 5). **NOTE:** The in-line shut-off valve quickly converts the heater to a summer time blower by preventing hot coolant from flowing to the heater core when in the closed position. Make sure the valve positioning does not interfere with the fan belt or radiator fan.
- Begin to refill the cooling system by first pre-filling the heater. Remove the heater from its mount. Allow the heater to hang from the hoses as low as possible. Remove heater supply line from the nipple, verify shut-off valve is open, and slowly add coolant through the hose until full. Refit the heater supply line and tighten clamp. Refill the cooling system, start the vehicle, and inspect the entire system for leaks. Check heater hoses and make sure they get warm. If not, temporarily place a clamp on the upper radiator hose to force coolant through the heater. As soon as the heater gets warm remove the clamp. Re-mount the heater to the heater bracket.

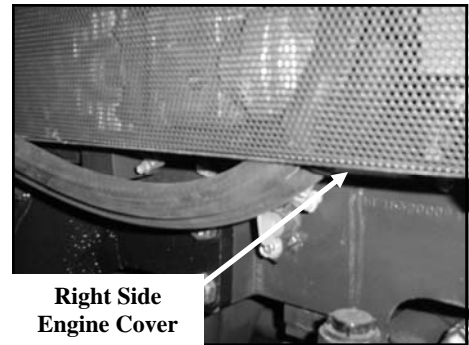


FIG. 4

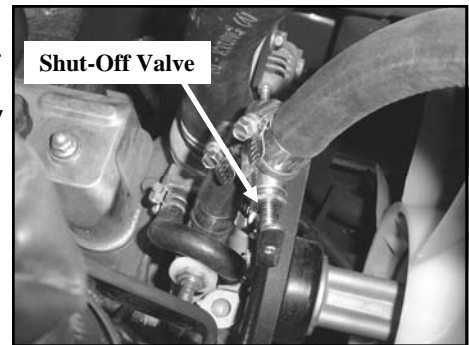
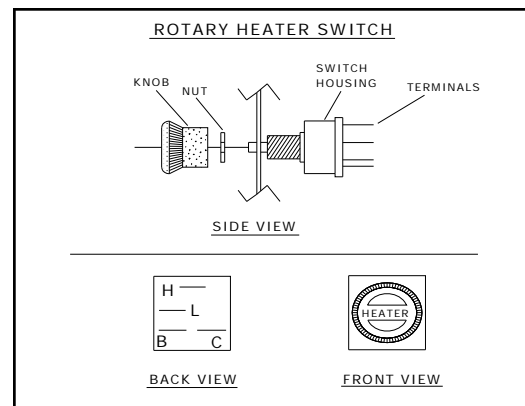
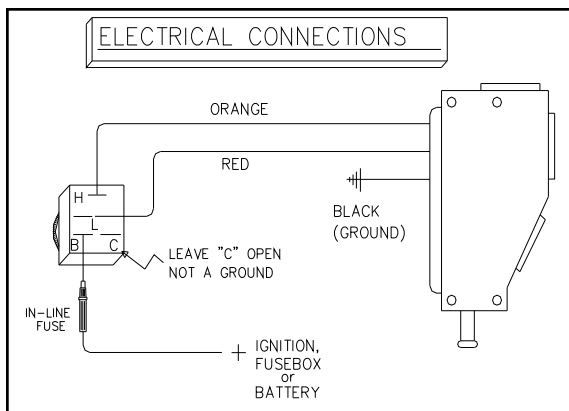


FIG. 5

ELECTRICAL CONNECTIONS:

- At the installer's discretion, mount the two speed rotary heater switch in desired location.
- Using the bullet connectors on the supplied 18 gauge wires, connect the wires to the orange and red wires on the heater. Route the wires to the switch location and cut to length. Connect the lead from the orange motor wire to the "H" terminal of the switch and the lead from the red motor wire to the "L" terminal using female push-on connectors. Connect the black wire from the motor to ground.
- Install a female push-on connector to one end of the remaining 18 gauge red wire. Connect to the "B" terminal on the back of the rotary switch. Route the other end of this wire to a positive feed (through the ignition or fuse box is recommended). Attach to the in-line fuse with a butt connector. Attach the other end of the in-line fuse to the power source.

WARNING * LEAVE the "C" switch terminal OPEN. This is NOT a ground connection.**



HEATER COMPONENTS:

1	20,000 BTU MEGA BURNER HEATER	9PH20	1	HEATER MANUAL	N/A
1	Rotary Heater Switch	9HR0046	1	Heater wire kit	N/A
1	12 ft heater hose	9HR0061	6	1" Hose clamps	9HR0060-1.0
1	In-Line Shut-off valve	9HR0044	2	1-1/2" Hose Clamps	9HR0060-1.5
1	Universal Sending Unit Adaptor	9HR0051A	2	16mm Nylon Washers	N/A
1	3/8" NPT nipple	9HR0045	2	12mm Nylon Washers	N/A
1	1" TEE	9HR0042	5	Large Wire Ties	N/A
			4	Small Wire Ties	N/A

**20,000 BTU MEGA BURNER HEATER
SERVICE PARTS**

<u>ITEM NO.</u>	<u>DESCRIPTION</u>	<u>CODE NO.</u>
1	HEATER CORE - 20,000 BTU	9PH20-1
2	FAN/MOTOR - 20,000 BTU	9PH20-2
3	VENT/LOUVER RECTANGLE	9HR-L

