

NOTE: Before installing the unit, be sure you have located the shelter in a dry, level, readily accessible spot, whenever possible. Locate it so the exhaust pipe openings in the sides of the shelter will face away from radio operating personnel. The 10-gallon fuel tank can be placed outside the shelter and connected to the fuel pump with copper rubber fuel line furnished.

5. FOR GENERAL USE.

Where Shelter HO-19 is not provided, install the Kohler unit in a shed or building, located on dry, level ground. Remove the crate entirely and mount the unit on wooden stringers or on a concrete foundation. The engine base has four holes bored in it to accommodate foundation bolts for the installation. Figure 4 shows a typical installation in a building with the exhaust and fuel tank fittings in place. Locate the unit near the wall of the building so the exhaust pipe will be short and straight. A long exhaust pipe, or one with a number of elbows in it, frequently becomes clogged with carbon and decreases operating efficiency. Pitch the exhaust pipe slightly downward from the exhaust manifold connection, so moisture condensing in the pipe will not run back into the engine cylinders.

6. VENTILATION.

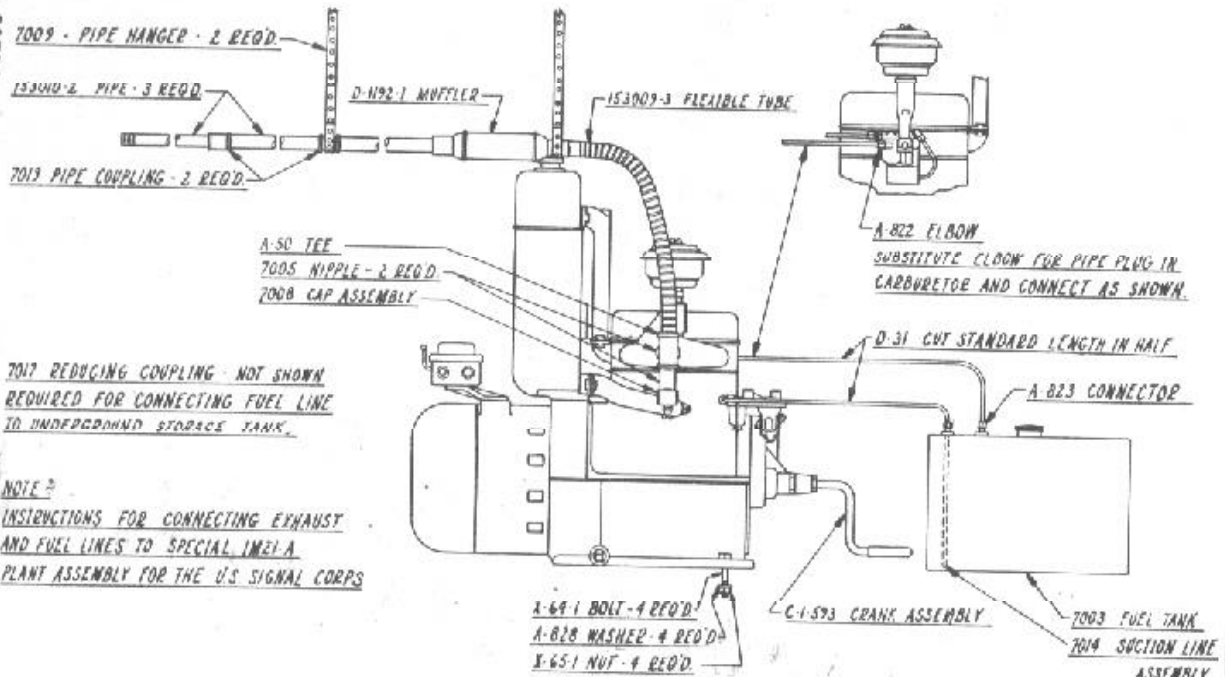
For the most efficient operation this equipment must have adequate ventilation. This is especially important in climates where temperatures exceed 80° F. If possible use only a building in which ventilation can be controlled by doors and windows.

CAUTION: Exhaust fumes are poisonous. Be sure that all joints in the exhaust fittings are tight. Plug the opening around the exhaust pipe where it passes through the wall of the building. Avoid contact between wood and tank.

7. WIRING SYSTEM REQUIREMENTS.

If this equipment is used to operate a lighting system the wiring installed should be adequate to handle future load requirements as well as current needs. Serious damage may result from overloading wires by forcing them to carry more current than they were designed to carry. A table of recommended wire sizes is furnished below as a guide in selecting the proper wire for a small lighting system.

TL-90704



NOTE:
INSTRUCTIONS FOR CONNECTING EXHAUST AND FUEL LINES TO SPECIAL IMEL-A PLANT ASSEMBLY FOR THE U.S. SIGNAL CORPS

Installation

Figure 4. Typical installation of unit in building.