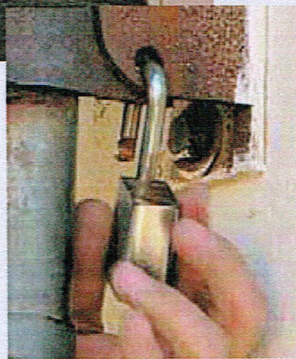
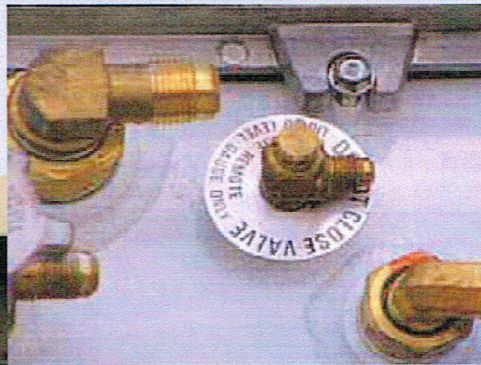
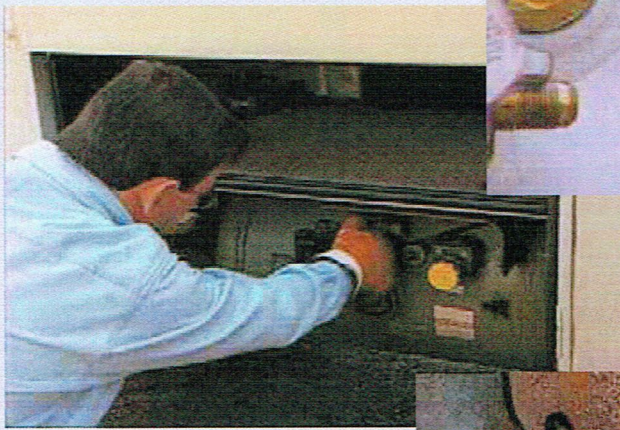


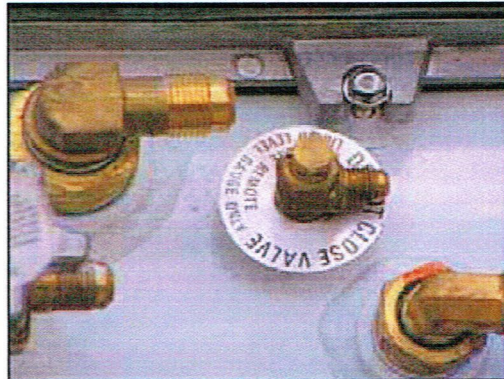
REFUELING ASME MOTOR FUEL AND RV TANKS



REFUELING ASME MOTOR FUEL & RV TANKS

Propane dispensers are used to refuel automobiles, fleet vehicles and RV tanks.

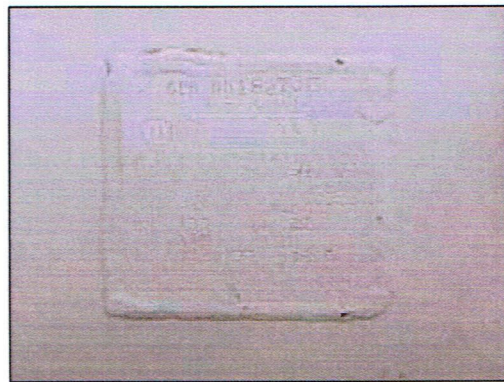
In order to safely fill ASME motor fuel tanks and mobile fuel tanks on RVs, they must be inspected to be sure they have all the correct markings and appurtenances, are in good condition, and safe for filling.



Markings and Appurtenances

A **data plate** lists the working pressure and other information about the tank. If the data plate is missing or illegible or shows a working pressure other than 250 or 312 psi, the tank must not be filled.

A **fixed maximum liquid level gauge** is installed in the ASME tank at the maximum liquid filling line.



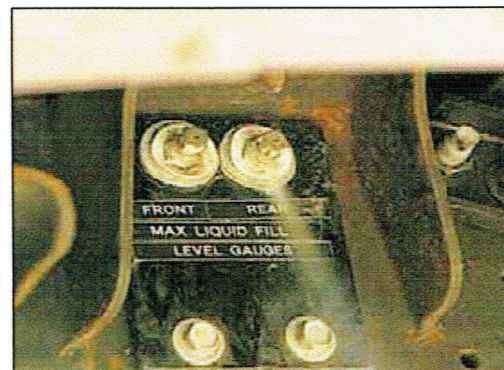
Motor fuel tank **float gauges** are used to confirm the liquid level before and after filling and to alert the driver to the approximate liquid fuel level. They are not used for filling. Float gauges are protected by a separate heavy metal guard or ring.

Once the motor fuel tank has been inspected, it can be safely refilled.

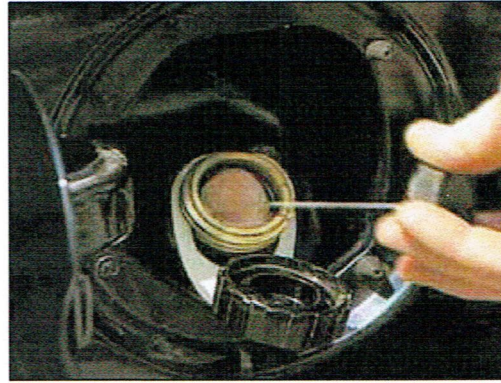
Filling Motor Fuel Tanks

First, be sure no one is inside the vehicle and that the ignition is turned off. Customers are restricted from the immediate area around the liquid propane transfer operation and all ignition sources must be at least 25 feet from the dispenser. Proceed as follows.

- Set the propane **meter** to zero.
- Connect the motor fuel **hose** to the tank fill valve.



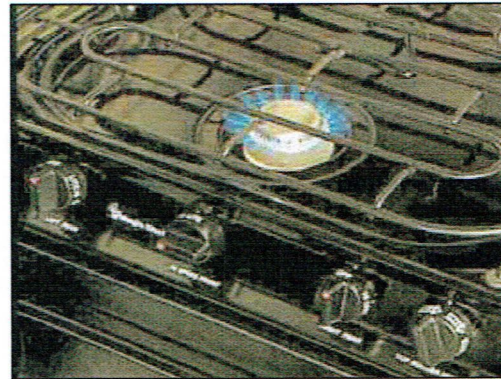
- Open the vent valve on the **fixed maximum liquid level gauge**.
- Start the **pump** and slowly open the **valve** on the end of the hose.
- When a steady white mist or fog is first emitted from the fixed maximum liquid level gauge, immediately close the **hose end valve**.
- Close the **fixed maximum liquid level gauge**.
- Shut off the **pump**.
- Slowly loosen the **filler adapter** to vent liquid propane trapped between the filler adapter and the motor fuel tank filler valve. Wait until propane stops venting before completely disconnecting the adapter.
- Check the valve for **leaks** and replace the dust cap.



Filling Mobile Fuel Tanks (RVs)

Filling procedures for mobile fuel tanks used on RVs, catering trucks, or in roofing applications are similar to those for motor fuel tanks with one important addition.

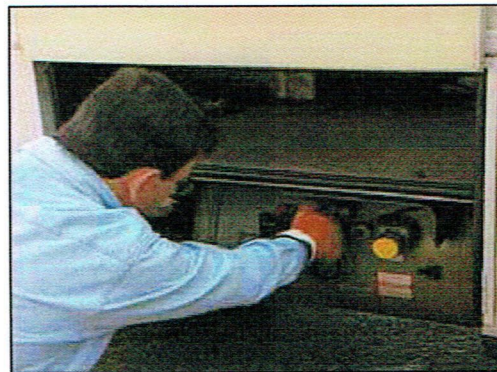
Mobile fuel and RV tanks are used to supply propane appliances that are possible ignition sources.



Therefore, it is critically important that **appliance pilots** and **electronic ignition systems** must be turned off.

Notify the vehicle operator that you are turning the propane fuel supply off at the service valve. Be sure that pilots and ignition systems are off.

- Set the propane **meter** to zero.
- Connect the motor fuel **hose** to the **tank fill valve**.
- Open the **vent valve** on the **fixed maximum liquid level gauge**.
- Start the **pump** and slowly open the **hose end valve**.



- When a steady white mist or fog is first emitted from the fixed maximum liquid level gauge, immediately close the **hose end valve**.
- Close the **fixed maximum liquid level gauge**.
- Shut off the **pump**.
- Slowly loosen the **filler adapter** to vent liquid propane trapped between the filler adapter and the motor fuel tank filler valve. Wait until propane stops venting before completely disconnecting the filler adapter.
- When venting has stopped, disconnect and stow the **hose assembly**.
- Replace the **filler valve cap**.

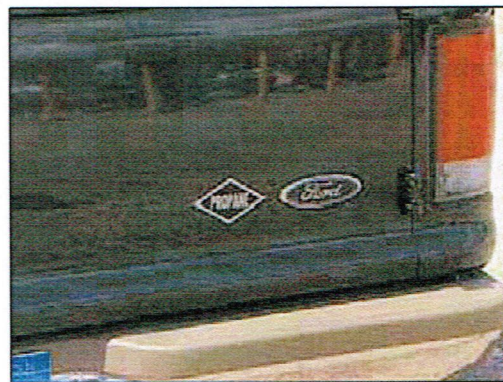


If it is not your company's policy to light customer **pilot lights**, you should advise the customer to have a professional service company or gas distributor light the pilot lights, and that if the customer does this without professional help, the appliance manufacturer's instructions must be carefully followed.

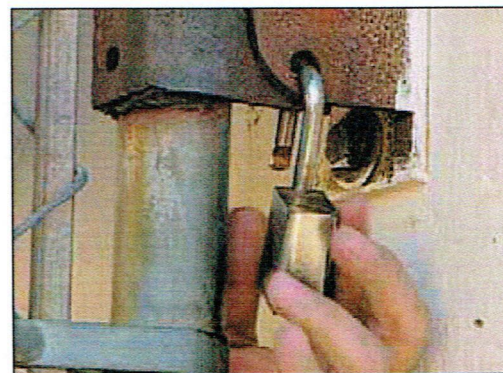
A propane decal is required on vehicles equipped with motor and/or mobile fuel tanks.

This decal alerts emergency response personnel that propane containers are present.

Location requirements for the decal are either the **lower right rear** of the vehicle near the bumper for motor fuel tanks or near the **access panel door** or **fender skirt** for mobile fuel tanks.



When the dispenser is not in use, or at any time that a qualified dispenser operator is not in attendance, it should be shut down and secured in keeping with company operating procedures.



The **shutdown** procedure should ensure that

- Dispenser operating valves are closed.
- Transfer hoses are secured in storage cabinets or their designated locations,
- The dispenser cabinet or fence gates are closed and locked.

Becoming familiar with both the motor fuel system and safe filling procedures will assure your safety as well as that of your customers.