

PERMANENT OIL DRAIN HOSE AND FITTING

INSTALLATION INSTRUCTIONS

1. Run engine at idle speed for about 5 minutes to warm the engine oil.

⚠ WARNING



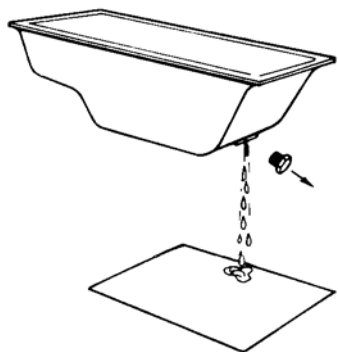
Explosion hazard. Take necessary precautions to ventilate area around battery of potentially explosive gases. Continue ventilation during oil changing procedure. Failure to do so can result in explosion. Injury or death can occur.

⚠ CAUTION



Burn hazard. Heated oil can cause burns. Wear protective gloves, clothing and safety glasses during the oil change process. Failure to do so may result in personal injury.

2. Turn off engine and drain engine oil using a Jabsco drill pump and hose kit (Model 17215-0000). To pump the oil out of engine, insert the probe to the inside bottom of the engine through the dipstick tube. (You may also drain your engine oil by whatever method you have previously used).
3. Remove the oil drain plug from your engine, catching the final drips of oil with a cardboard sheet.

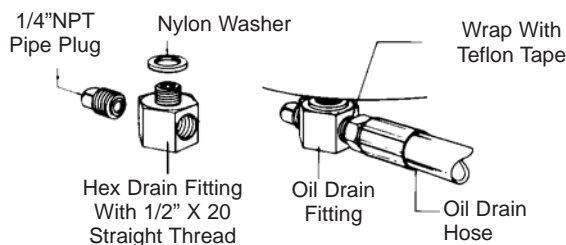


4. Wrap threads of hex drain fitting with Teflon* tape, or apply thread compound. Make sure nylon washer is in place between engine pan and hex drain fitting. Install hex drain fitting in pan securely. Wrap threads of black drain hose fitting with Teflon tape or apply thread compound. Install black drain hose in

hole in oil drain fitting which will provide the most direct path to convenient hanger location on vertical bulkhead or firewall. Wrap plug with Teflon tape or apply thread compound and install in remaining hole, securely. Install cap securely on free end of drain hose.

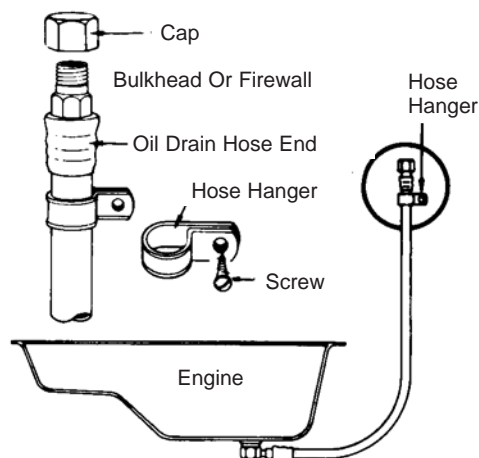
⚠ CAUTION

Oil drain fitting and oil drain hose must be tightened securely to prevent fittings from loosening and causing an oil leak that can damage engine. Install cap securely on free end of drain hose.



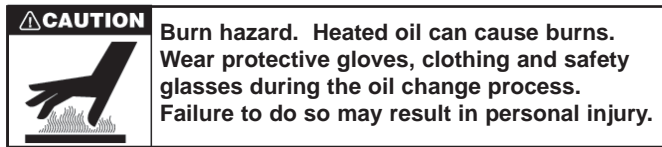
5. Locate drain hose on vertical bulkhead or firewall and secure with plastic hose hanger. Do not kink hose or locate so that it touches the engine. See that all fittings are tightened securely. Installation is now complete.

REFILL ENGINE WITH REQUIRED QUANTITY OF MOTOR OIL.



FUTURE OIL CHANGES

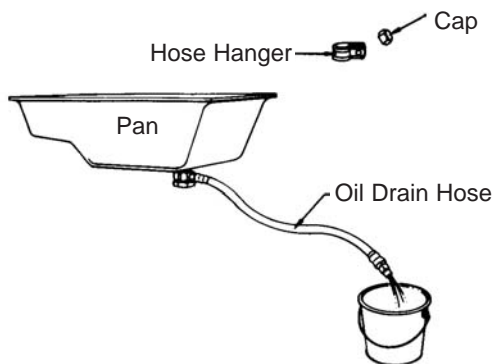
Now that your Jabsco drain hose and fitting is installed, future oil changes will be simplified using the following procedures:



GRAVITY DRAIN

If space allows, the engine oil may be drained by gravity.

1. Run engine for about 5 minutes, then turn off. (See previous warning notes).
2. Remove the hose from it's hanger.
3. Remove the tube cap, place the hose below the level of the engine drain fitting and allow warm oil to drain into a container.
4. After oil is drained, securely recap the tube and mount it back in the hanger. Be sure hose is securely mounted.
5. Refill engine with required quantity of motor oil.



In many installations, the above mentioned gravity drain method is not possible in which case the following will apply: Use the Jabsco electric drill pump kit (Model 17215-0000).

1. Run engine for about 5 minutes, then turn off. (See previous warning notes).
2. Attach a short length of 1/2" ID Neoprene hose to suction port of drill pump.
3. Attach discharge hose to discharge port of drill pump.
4. Slip pump suction hose over threaded metal fitting of drain hose, after removing cap.
5. Pump oil from engine.

Jabsco



ITT Industries
Engineered for life



U.S.A.
ITT Jabsco
1485 Dale Way, P.O. Box 2158
Costa Mesa, CA 92628-2158
Tel: (714) 545-8251
Fax: (714) 957-0609

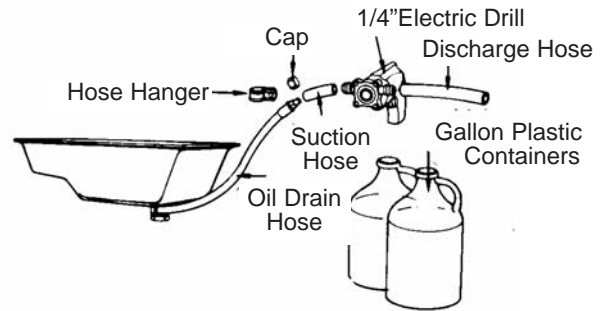
UNITED KINGDOM
ITT Jabsco
Bingley Road, Hoddesdon
Hertfordshire EN11 0BU
Tel: +44 (0) 1992 450145
Fax: +44 (0) 1992 467132

CANADA
ITT Fluid Products
55 Royal Road
Guelph, Ontario N1H 1T1
Tel: (519) 821-1900
Fax: (519) 821-2569

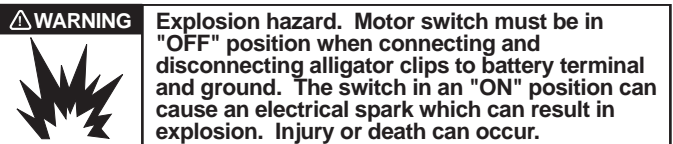
JAPAN
NHK Jabsco Company Ltd.
3-21-10, Shin-Yokohama
Kohoku-Ku, Yokohama, 222
Tel: 045-4758906
Fax: 045-475-8908

GERMANY
Jabsco GmbH
Oststrasse 28
22844 Norderstedt
Tel: +49-40-53 53 73 -0
Fax: +49-40-53 53 73 -11

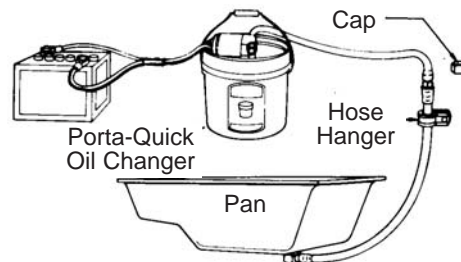
6. Remove pump from oil drain hose, replace cap and secure hose with hose hanger to bulkhead. Be sure hose is securely mounted.
7. Refill engine with required quantity of motor oil.



Use the 12 volt dc Jabsco Porta-Quick Oil Changer (Model 17800-1000).



1. Run engine for about 5 minutes, then turn off. (See previous warning notes).
2. Remove plastic adaptor from suction hose of Porta-Quick oil changer.
3. Slip Porta-Quick suction hose over threaded metal fitting of oil drain hose, after removing cap.
4. Connect alligator clips to a 12 volt dc battery.
5. Switch on to pump oil from engine to the Porta-Quick container. Motor will speed up when oil is removed from engine. Switch off immediately.
6. Disconnect the oil drain hose, replace cap and secure hose with hose hanger to bulkhead. Be sure hose is securely mounted.
7. Refill engine with required quantity of motor oil.
8. Used engine oil may be disposed of at any service station.



THE PRODUCT DESCRIBED HEREIN IS SUBJECT TO THE JABSCO ONE YEAR LIMITED WARRANTY, WHICH IS AVAILABLE FOR YOUR INSPECTION UPON REQUEST.