

SPINNER II® Installation Notes

ENGINE: Detroit Diesel DD13, DD15 & DD16

Installation Bulletin: A1-6464

Spinner II Product: Two gpm flow rate centrifuge

General: The DD13, DD15 and DD16 engines are produced with a cartridge type oil filter. If a bypass filter has been installed, it must be removed from the engine prior to installation of the Spinner II® centrifuge, and ports other than those identified in this bulletin must be plugged.

The Spinner II® unit should be securely mounted to the frame rail or other firm support. Hoses should be routed to avoid moving parts and flying objects, securely fastened in place and positioned to minimize oil flow back into the unit at engine shutdown. For further details refer to the Service and Installation Bulletin. Use 3/8" Grade 5 bolts and nuts for mounting. The mounting washers are supplied with the centrifuge. Check vehicle manufacturer before drilling frame rail.

Supply Location: There are two convenient supply ports on the oil filter housing. The port that points downward (#1 in the photo) and slightly towards the front of the engine is the preferred port. There is a second port which is just above this and will be pointing directly at you (#2 in the photo). It has a small valve behind it that will prevent oil flow. If the bottom port (#1) is not available as has been seen on some recent builds that have a different style housing then port #2 will need to be used. The piece that holds the small valve will need to be removed so that this port is totally unobstructed to flow. Refer to the arrows on the following picture and on the inset photo at the top left.

These ports are M33X2 in size and any SAE O-ring boss of this size will fit. The port will need to be adapted down to a #8 size fitting. Parker 16M33F80MX and 16-8 TRTXN fittings will work and leave a #8 37° JIC male connection. Run a #8 size hose to the inlet of the centrifuge.

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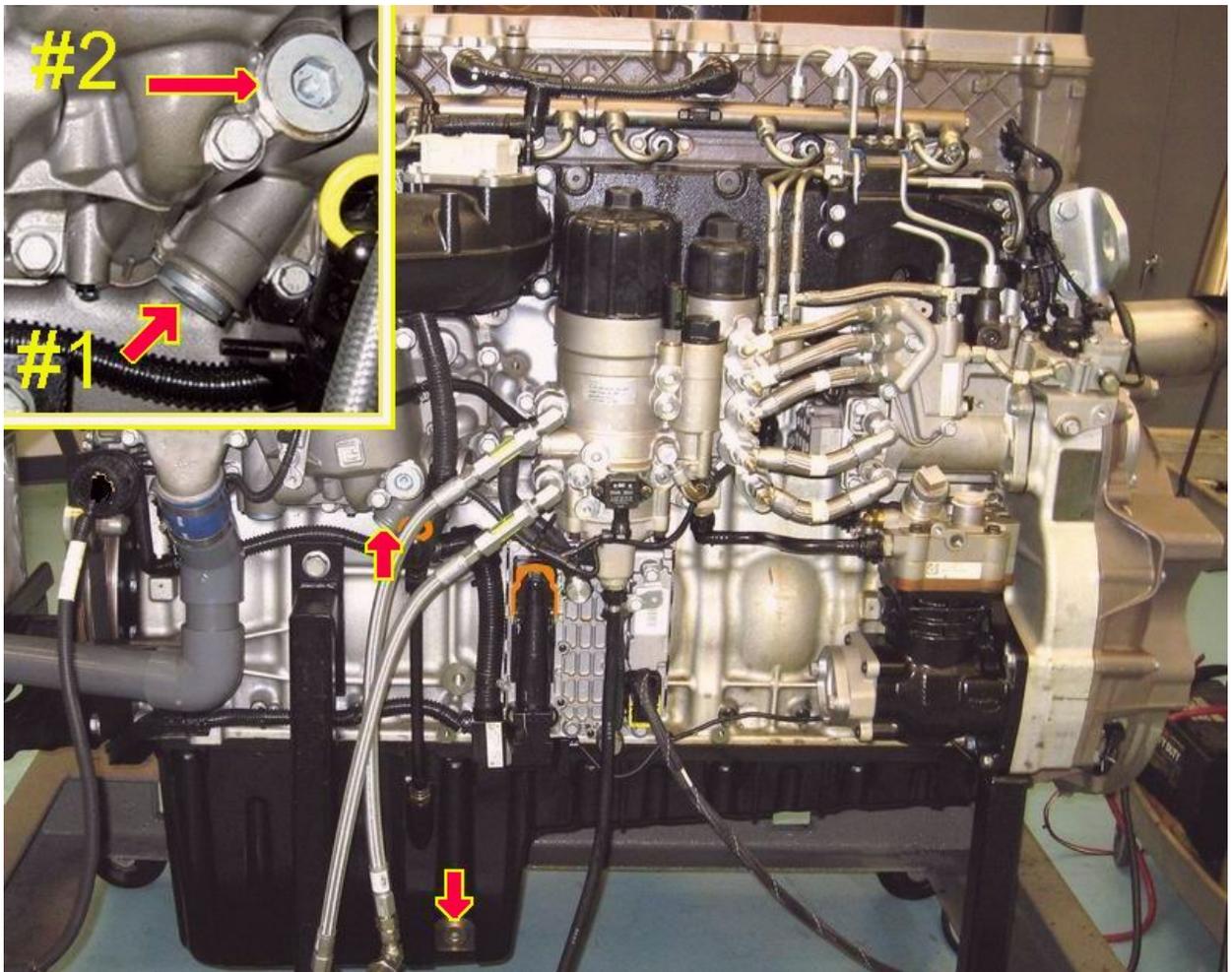
Return Location:

The best return port is in the side of the oil pan. There are at least six different oil pan configurations so the one you are working on may have other ports that are not shown here.

The drain port is M27X2 and is located on the side of the oil pan. Refer to the arrow on the following picture. Parker 12M27F80MX and 12-8 TRTXN fittings will work and leave a #8 37° JIC male connection. Run a #8 size hose from the outlet of the centrifuge to this fitting.

Air Supply:

Use #4 hose. The centrifuge has a ¼" NPT female port. Pressure from 25-125 psig accessory dry air connection (0.02 SCFM), direct from the air tank is preferred. If using the turbo consult your distributor or Spinner II®.



To the best of our knowledge this information is accurate and will provide safe and efficient operation of both the Spinner II® centrifuge and the engine. Engines and options are subject to change. If you experience any problems with installation or operation, please contact your Spinner II® distributor or call our customer service department at 800-231-7746.