

Current production Caterpillar 3508 diesel engines are produced with full-flow filters, but are not factory-equipped with bypass filters. 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.

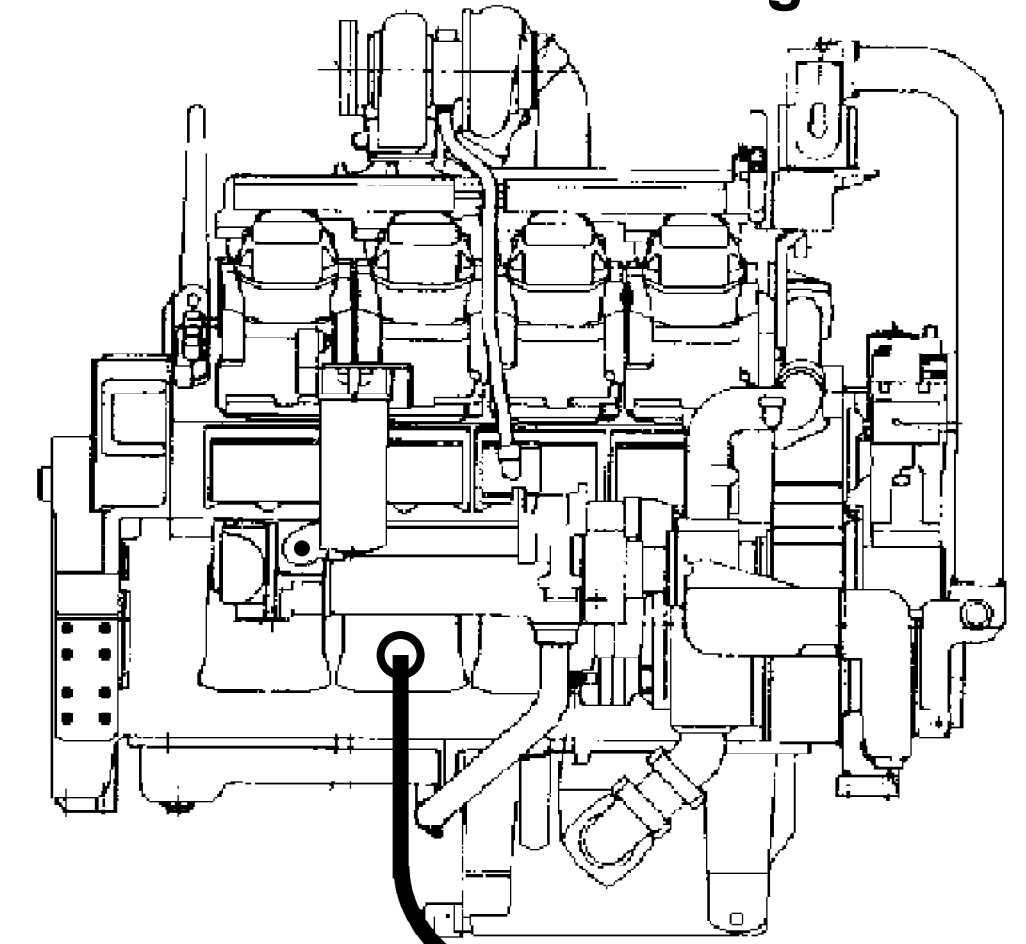
In some cases, this engine may be configured with element style full-flow filters installed inside a canister-style front-mounted housing. In either case, lube oil supply for the Spinner II unit is **best** made by connecting to an unused port on the cooler bypass valve (see preferred ports inset). Depending on the engine arrangement, oil is ported from the

bottom or the top of the valve. Select other port flange cover as the supply point (flange PN 4W5596 on bottom and flange PN 4B3140 on back); drill & tap a port into the flange.

Connect the Spinner II lube oil return port to a convenient pan fitting, above the normal lube oil level if possible. In some cases, there will be a 1" NPT fitting (Cat 3B0551) at either end of the pan. In other cases, a dipstick port cover (Cat 4N0996 or 4B3140) may be adapted. Another practical alternative is to drill and tap a crankshaft access door cover to accept a return line connection. Insure adequate clean-up of parts after any machining.

Refer to Service and Installation Instructions Bulletin # 70894.

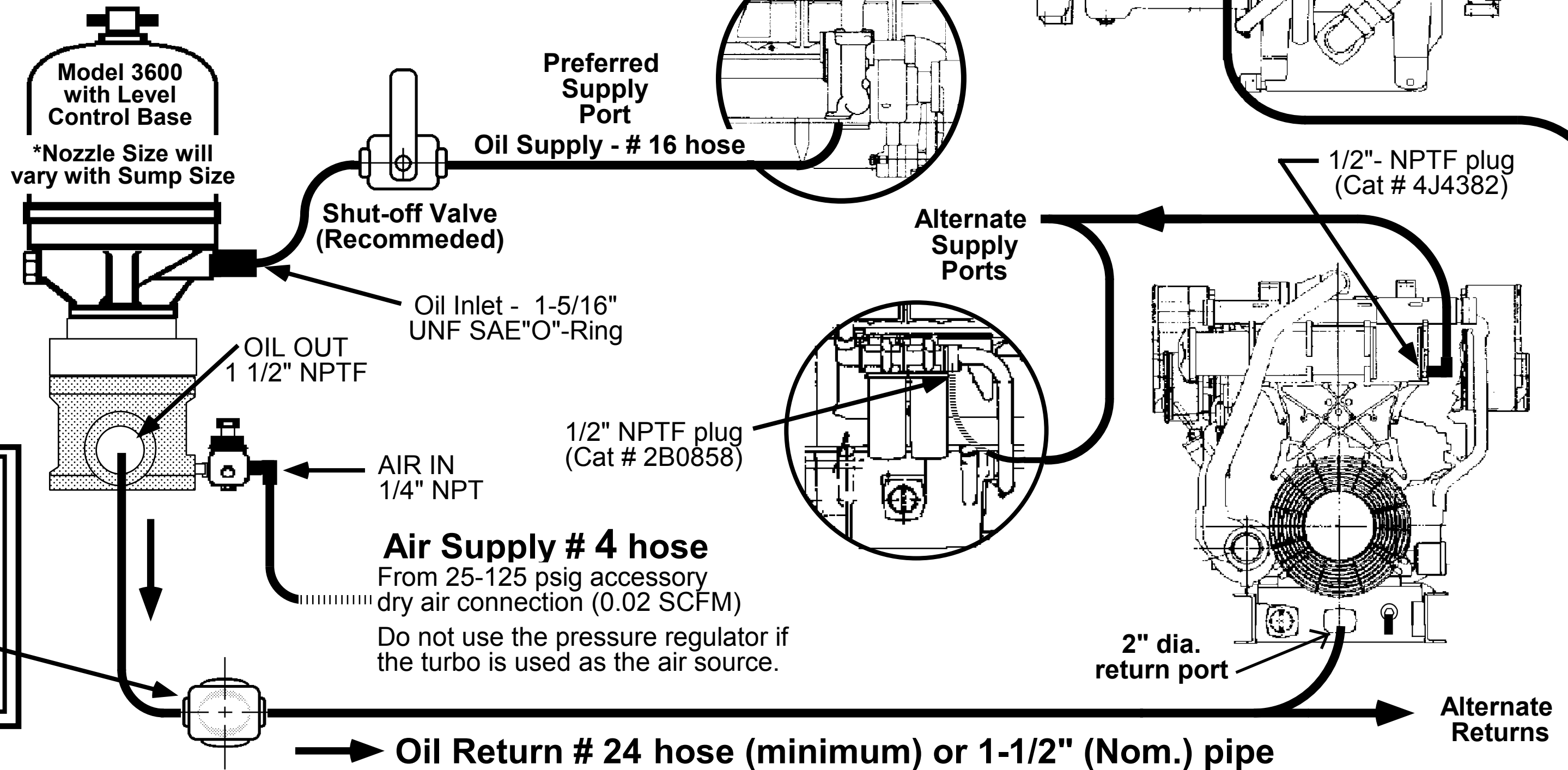
## Cat 3508 Diesel Engine



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 the following phone number: 800-231-7746 (TX:713-682-3651)

The Spinner II Model 3600 Centrifuge must **never** have a shut-off valve installed in the return line.

To prevent backflow during service of below-oil-level return locations, a min. 1" swing check valve may be installed.



4	07/01/09	Changed to 3600 Unit and changed required line sizes	CRB
3	19 JAN 01	Added 2" return port call-out	MP
2	21 Sep 1993	Changed preferred supply port	sr
1	6 July 1989	Changed preferred supply fitting to 3/8" NPT	sr
REV	DATE	CHANGE	BY

# INSTALLATION BULLETIN

**SPINNER II**  
 © Spinner II Products / T. F. Hudgins, Incorporated  
 Houston, Texas 77292-0946

## Spinner II Centrifuge Model 3600 Installation on Cat 3508 Diesel Engine

DRAWN	CHECKED	APPD	PROJECT	DATE	DWG
SAR	WM	WM		25-Oct-88	<b>A1-4097-4</b>