

Navistar™ T444E 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.

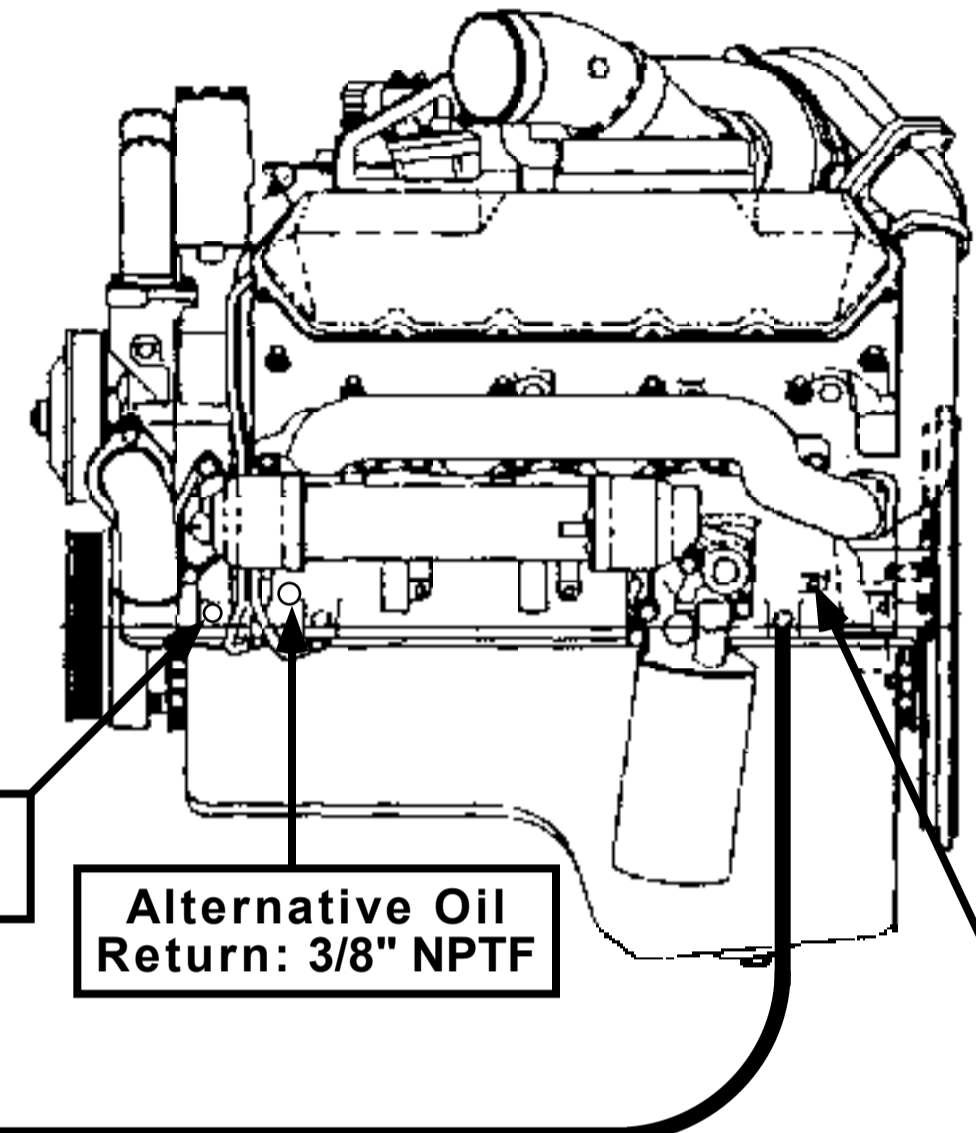
Lube oil supply for the Spinner II unit is available by connection into the 1/4" NPTF fitting on the lube filter head, as shown.

Connect the Spinner II lube oil return port to the 3/8"-18 NPTF port on the block, using #8 flare to 3/8"NPT adapter; a "T" brazed onto the turbo drain tube may also be used \*\*

Note alternative ports for supply and return.

On trucks equipped with compressed air brakes, use the dry air tank as air supply. For those trucks without air brakes, follow modifications described in Bulletin 86.020 with additional parts, and supply air from the boost side of the turbocharger.

## Navistar™ T444E Diesel



Alternative Oil Supply: 1/4" NPTF

Alternative Oil Return: 3/8" NPTF

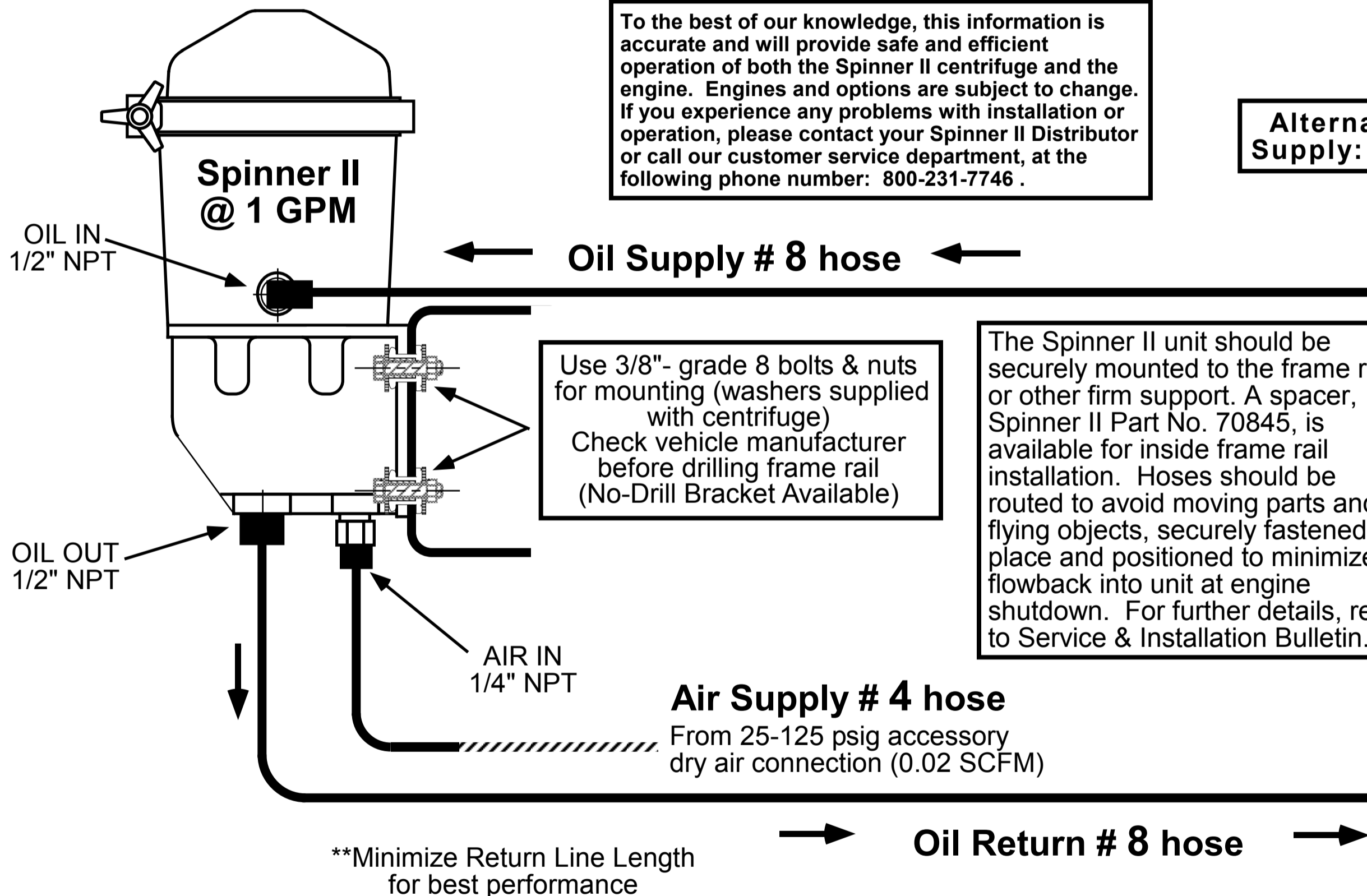
Oil Supply 1/4" NPTF (side of filter head)

Oil Return 3/8" NPTF (behind filter)

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 .

Use 3/8"- grade 8 bolts & nuts for mounting (washers supplied with centrifuge)  
Check vehicle manufacturer before drilling frame rail (No-Drill Bracket Available)

The Spinner II unit should be securely mounted to the frame rail or other firm support. A spacer, Spinner II Part No. 70845, is available for inside frame rail installation. Hoses should be routed to avoid moving parts and flying objects, securely fastened in place and positioned to minimize oil flowback into unit at engine shutdown. For further details, refer to Service & Installation Bulletin.



\*\*Minimize Return Line Length for best performance

# INSTALLATION BULLETIN

## SPINNER II

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

drawn SAR checked approved project

1	12 Mar 1997	Note additional ports-front of engine	sr
rev	date	change	by

### Spinner II Centrifuge Installation on Navistar™ T444E Diesel Engines

date © 2 Feb 1994 dwg **A1-4907-1**