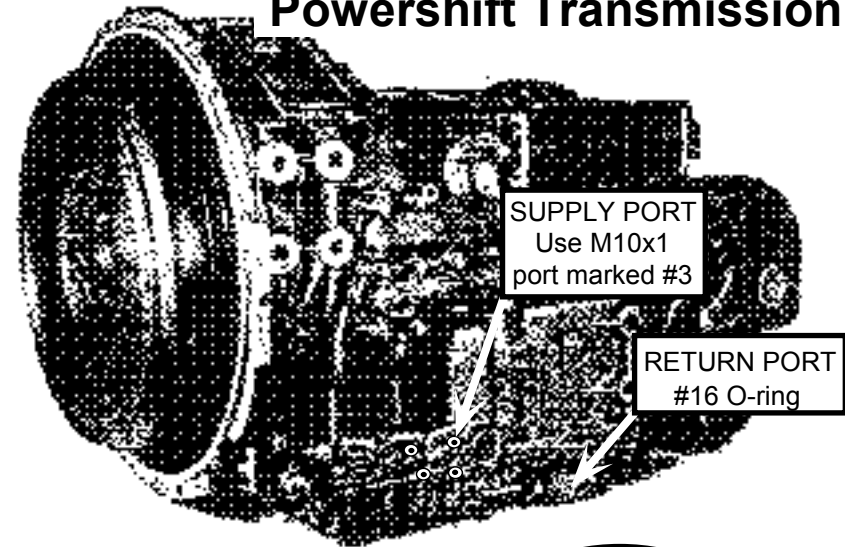


A Spinner II Oil Cleaning Centrifuge, rated for 1 gpm @ 60 psi, is released for application as a lube oil bypass filter in this ZF HP 500/590 transmission. At no time is the full-flow filter to be removed from the transmission at installation of the centrifuge.

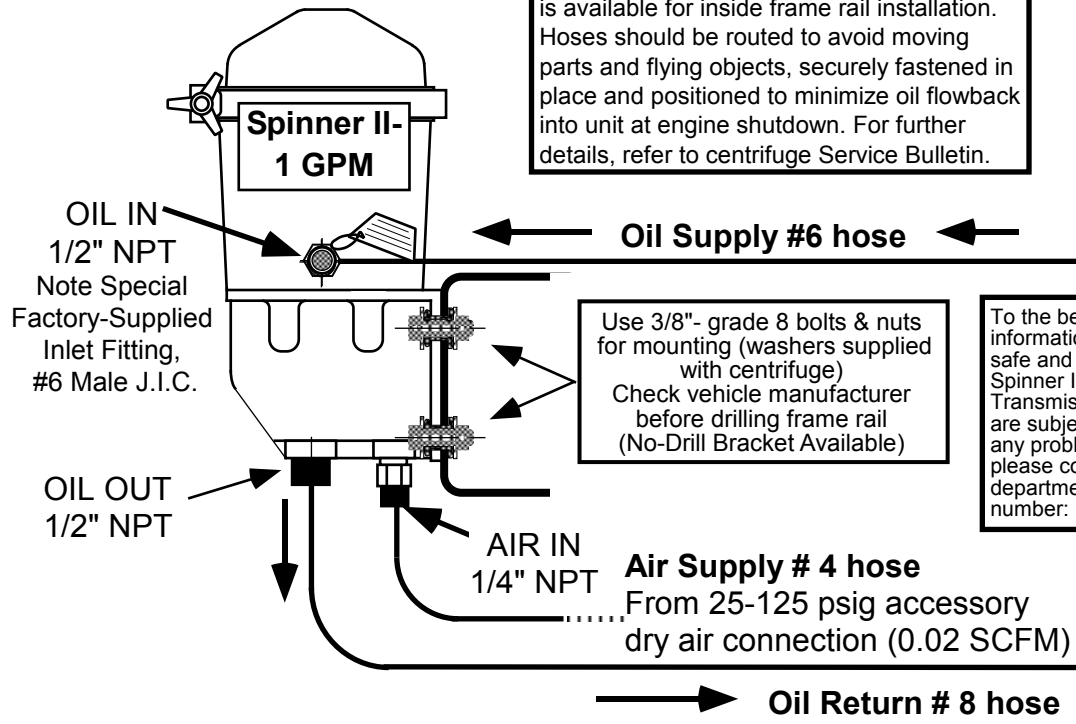
Oil supply is obtained from the upstream side of the torque convertor circuit, accessed at the pressure test port #3 ("upstream of convertor") port by installation of an M10 to flare #6 adapter, applied with 11 ft-lb torque, max. (may apply Aeroquip #GG108-NP04-10 straight adapter plus Aeroquip #2071-4-6S elbow increaser, both available from Spinner II Products).

Lube oil return is into the transmission pan, as shown into #16 O-ring port or others that may exist. Use of #8 hose fittings allows application of #8 flare to #16 O-ring adapter.

ZF HP500/590 Series Powershift Transmission

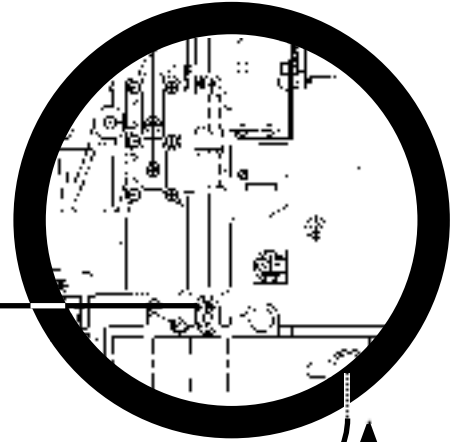


The Spinner II unit should be securely mounted to the frame rail or other firm support. A spacer, Spinner II Part No. 70845, is available for inside frame rail installation. Hoses should be routed to avoid moving parts and flying objects, securely fastened in place and positioned to minimize oil flowback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



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

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 transmission. Transmissions, their design and options are subject to change. If you experience any problems with installation or operation, please contact our customer service department, at the following phone number: 800-231-7746 (713-682-3651)



Caution: no valves may be installed in this line

INSTALLATION BULLETIN

SPINNER II

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

2	Update for ZF Approval	16 May 94	sr
rev	change	date	by
Installation of the Spinner II Centrifuge on ZF HP500/590 Powershift Transmissions			
project	date © 25 Jan 1993	dwg	A1-4837-2

drawn sr	checked	approved
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