

This installation diagram is intended for matching a Spinner II TR Series Oil Cleaning Centrifuge to a Voith 863/864 Series Powershift. The centrifuge is applied as a lube oil bypass filter. Under no circumstances is the full-flow filter to be removed from the circuit at installation of the centrifuge.

Oil pressure in the lube circuit of the transmission is at a level in excess of the pressure required for optimum performance of the standard centrifuge. The addition of the inlet orifice fitting is made to control this higher pressure, reducing it to a level that provides the best centrifuge performance for all transmission operating conditions. Under no circumstances should this inlet orifice be modified or permanently removed.

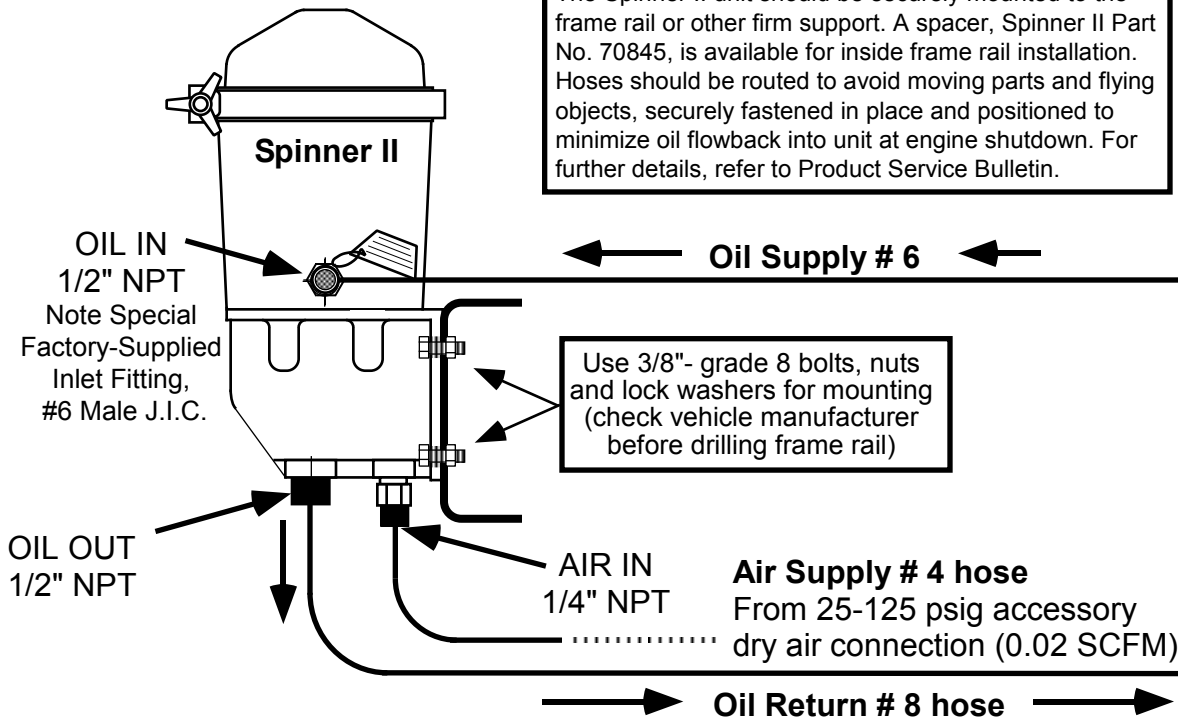
Oil supply is obtained at the filter head, as shown. Lube oil return is to the transmission pan port, as shown.

Voith HT 863/864 Powershift Transmissions

SUPPLY PORT
(Use port on Voith Filter Head PN 90.5947.20 or PN 90.6183.20, which is a G3/8-19 port *)



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 Product Service Bulletin.



RETURN PORT - #16 SAE O-ring
(Older models, use M33x2 Adapter)

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

* G3/8-19 port adapter: may use Aeroquip GG106-NP06-06

INSTALLATION BULLETIN

SPINNER II

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Houston, Texas 77292-0946

2	Use of Special Voith Filter Head for Supply	29 Mar 94	sr
rev	change	date	by
Installation of the Model 76 TR on Voith H863 and H864 Series Powershift Transmissions			
drawn	checked	approved	project
sr			date © 1 Apr 1993
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