

This installation diagram is intended for matching the Spinner II TR Series Oil Cleaning Centrifuge to an HT 700 Series Powershift *without* retarder. If the transmission is equipped with a retarder, please refer to Bulletin A1- 4507. 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 Model 76 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.

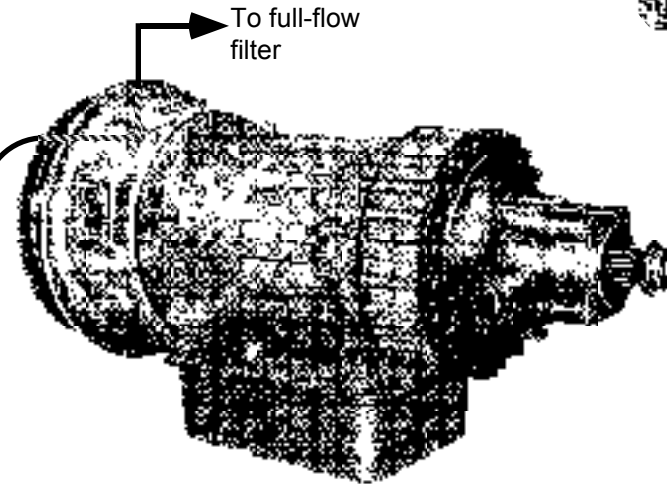
Oil supply is obtained from the same remote mounted circuit that supplies the full-flow filter. Lube oil return is to the transmission pan, as shown.

## Allison HT Series In-Line Drive Powershift Transmission

RETURN PORT



SUPPLY PORT



To full-flow filter

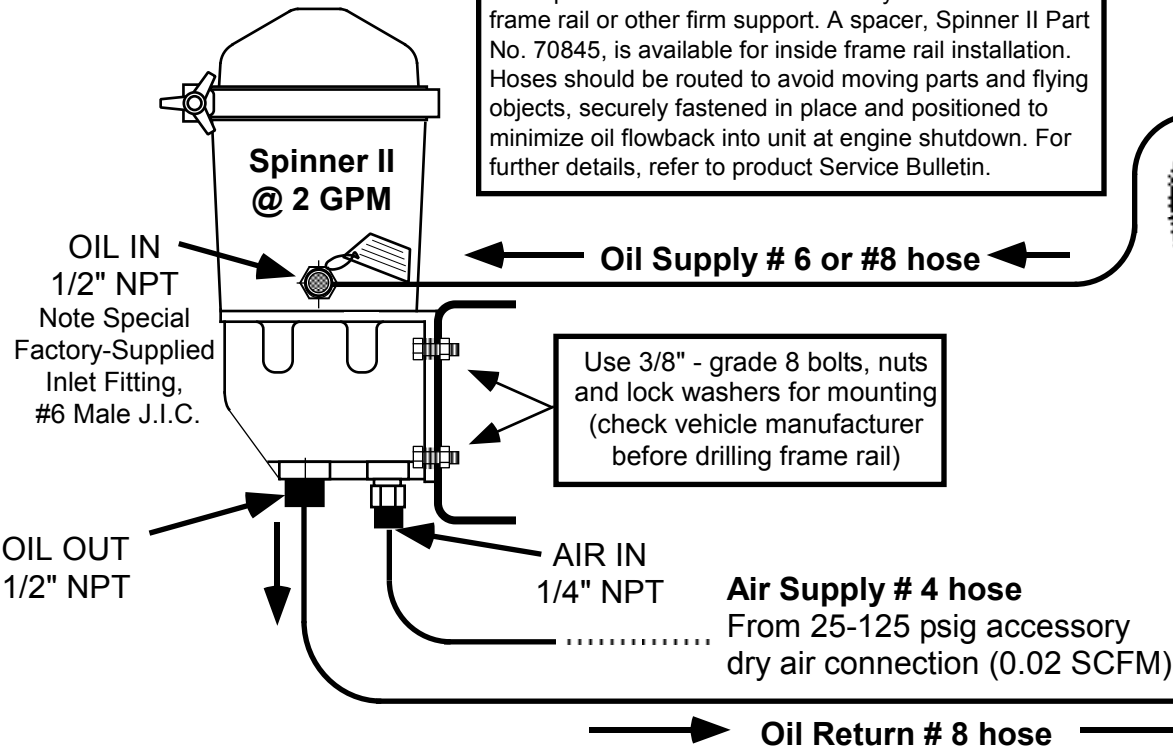
Maintain  
Other  
Return Flows

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.

Use 3/8" - grade 8 bolts, nuts and lock washers for mounting (check vehicle manufacturer before drilling frame rail)

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

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Houston, Texas 77292-0946

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