

# Installation Notes for John Deere 310G Backhoe

KIT 01-30006

DOC 19-00032

**Note:** Even though a banjo fitting has been provided, some engines have been known to have different size drain plugs, requiring a different size banjo fitting. If the banjo fitting provided does not match to the specific drain plug size contact your local puraDYN dealer or puraDYN directly (866- puraDYN) for a different size banjo fitting.

The following document is used in conjunction with the puraDYN® Bypass Oil Filtration System Installation Manual (PFT8 through PFT60) that is included in the unit box, and as such, should be considered a supplemental source of information. Further, this document covers the installation of a PFT12 Bypass Oil Filtration unit on a **John Deere 310G**.



The PFT12 Bypass Oil Filtration unit should be mounted to the top of the engine on the radiator hose bracket. Remove bracket from engine and mark holes on L Bracket mark and drill 1 each 1/2" hole in the bracket. Weld the two brackets together and reinstall the bracket to the engine.



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Route oil supply high-pressure hose to an engine oil galley port or pressure sender port and make connection using supplied brass/steel fittings and shut-off valve. Connect hose to shut-off valve and puraDYN® Filter Unit.



PFT12 Bypass Oil Filtration unit oil return hose routing should not come in contact with any moving parts or sharp edges. After draining the engine oil and cleaning all surfaces, install the banjo fitting into the oil pan drain port. **Note:** Properly orient the fitting in order to avoid damage from road debris. Connect the oil return hose and secure in place with radiator clamps. Note: If necessary cover the oil return hose with a secondary hose (or equivalent) to better protect it from getting damaged.

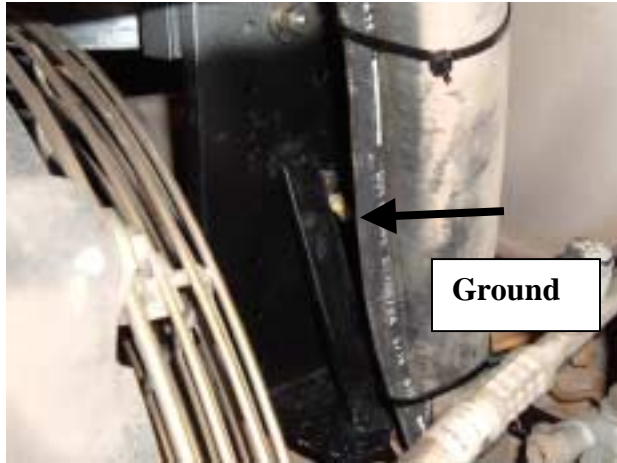


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Route one electrical wire to an ignition “on” power source and the other wire to a good ground using supplied electrical hardware and in-line fuse. Also, ensure that both hose and wire routing do not come in contact with moving parts, sharp edges or hot exhaust manifolds.



Fill engine with oil. Start engine and check all connections for oil leaks. Open metering jet sample valve and verify that oil flow is present. After five minutes of engine operation, touch the bottom center of the PFT Bypass Oil Filtration unit and verify that it is warm to the touch. Shut engine off and check oil level. Place **puraDYN** Installation Manual (PFT8 through PFT60) in the documentation holder mounted to the outside rear panel.