



**For 07 and later
FL style transmissions
Instruction sheet**

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Safety:

- Always wear safety glasses when using hand tools or compressed air.
- Do not let alcohol or drugs impair your judgment. Perform the installation when you are well rested and fresh.
- Perform the installation in a well-ventilated area. Gasoline, cleaning solvents and other chemicals are extremely flammable, explosive and toxic when inhaled. Do not smoke when working around gasoline.
- Always disconnect and remove battery to eliminate potential sparks and any possibility of starter engagement.
- Take your time routing all fuel and oil lines, make sure all clamps are in place and tight. Keep lines away from exhaust pipes and other hot surfaces that may melt the fuel line and catch fire.
- Make sure fuel valve is off and carburetor bowl is empty before adjusting the throttle cables, this will prevent too much fuel from entering the engine and washing out the cylinders. Be sure throttle opens and closes smoothly and that operation remains smooth at full right turn and full left turn. Throttle should snap shut in all positions.
- Exhaust fumes are toxic. Always run your motorcycle in a well-ventilated area.
- It is your responsibility to read and follow these installation instructions and basic rules listed above. Consult an appropriate H-D service manual for disassembly and reassembly procedures that are not covered in these instructions.

Step F: Oil Tank Vent #2

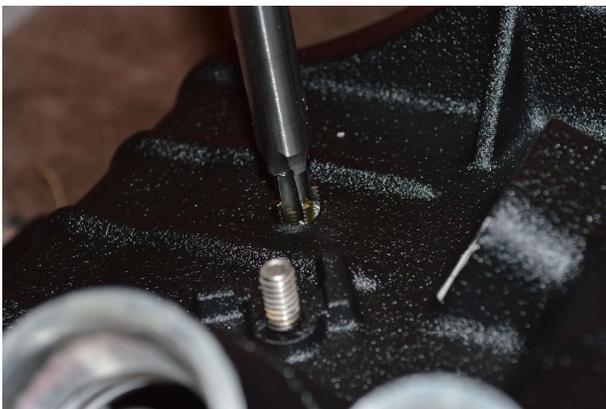
1. Remove starter from bike. Place a jack underneath the chassis and jack frame up to gain necessary room to allow drill to fit under oil tank. Start with the .0125" (1/8") drill bit and drill a hole up through the top of the oil tank. Remember to keep drill square and even to the bottom of the oil tank. DO NOT drill at an angle!!



2. Change drill bit to the next larger .250" (1/4"), then re-drill hole. Again change to the largest "R" bit, and finish the hole. Again remember to keep drill square and strait.

Note: *It is not necessary to face hole with the "R" drill.*

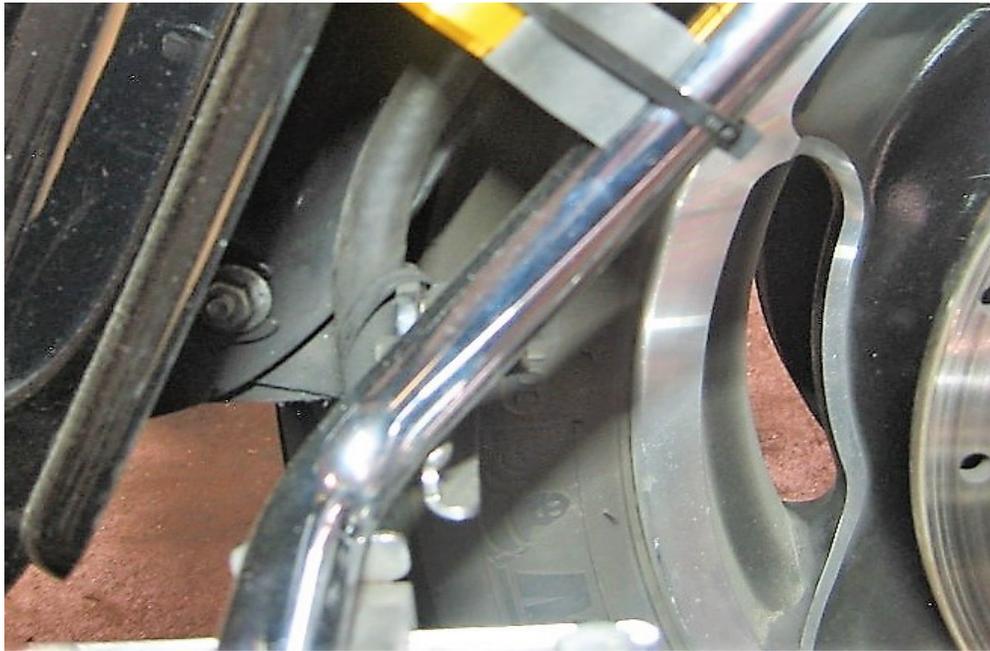
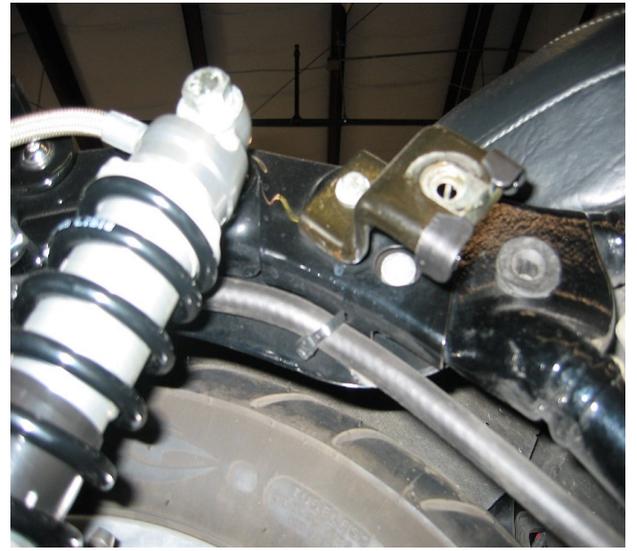
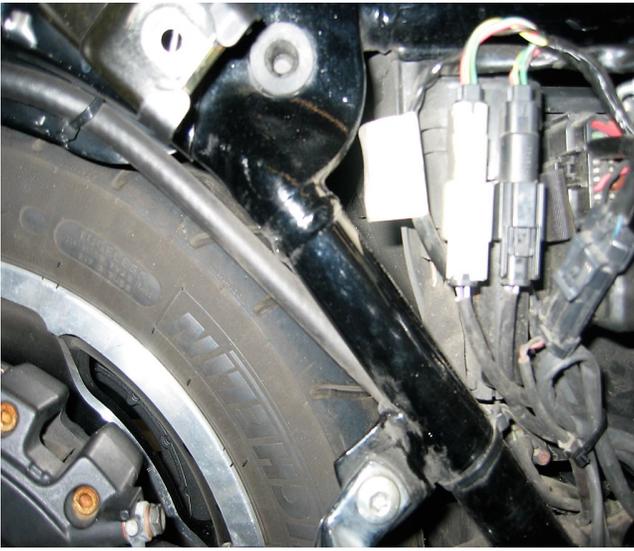
3. Once the hole is drilled, (*from the top*), tap the hole with supplied tap until top of threads of tap are just above hole.



4. Thoroughly clean and de-bur the transmission case. Use a vacuum, compressed air and cleaning solvent to be sure that all chips are cleaned from all passages. Once the case and passages have been thoroughly cleaned, it's time to install the fittings in the case for the external oil lines.



4. Using a 90deg pipe fitting apply sealant & thread into tapped hole.
Using a straight 3/8 pipe fitting, apply sealant & thread into 90deg fitting.



Route the oil line along the frame on the right side of the motorcycle.
Secure with zip ties to frame & fender support.
Secure end of oil hose to saddlebag support.