



GM bypass
hook-up for
thermostat
transmissions



Fittings required for transmission service



#7094



#7094-1



#4208



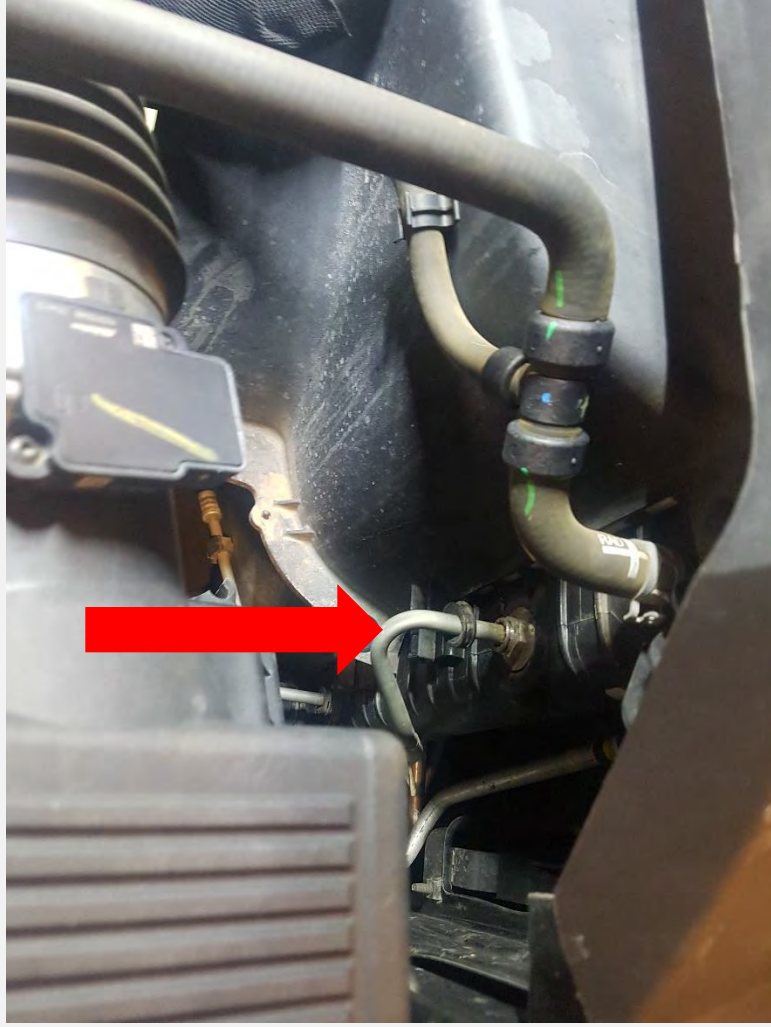
GMA3/8



Fill the ATS 320 machine with transmission fluid as per owner's manual, making sure to add two extra quarts

Locate the transmission cooler line





Disconnect top cooler line and
attach fittings #GMA38 and #4208



#4208

#GMA38



Connect fitting #7094 to #GMA38
and #4208



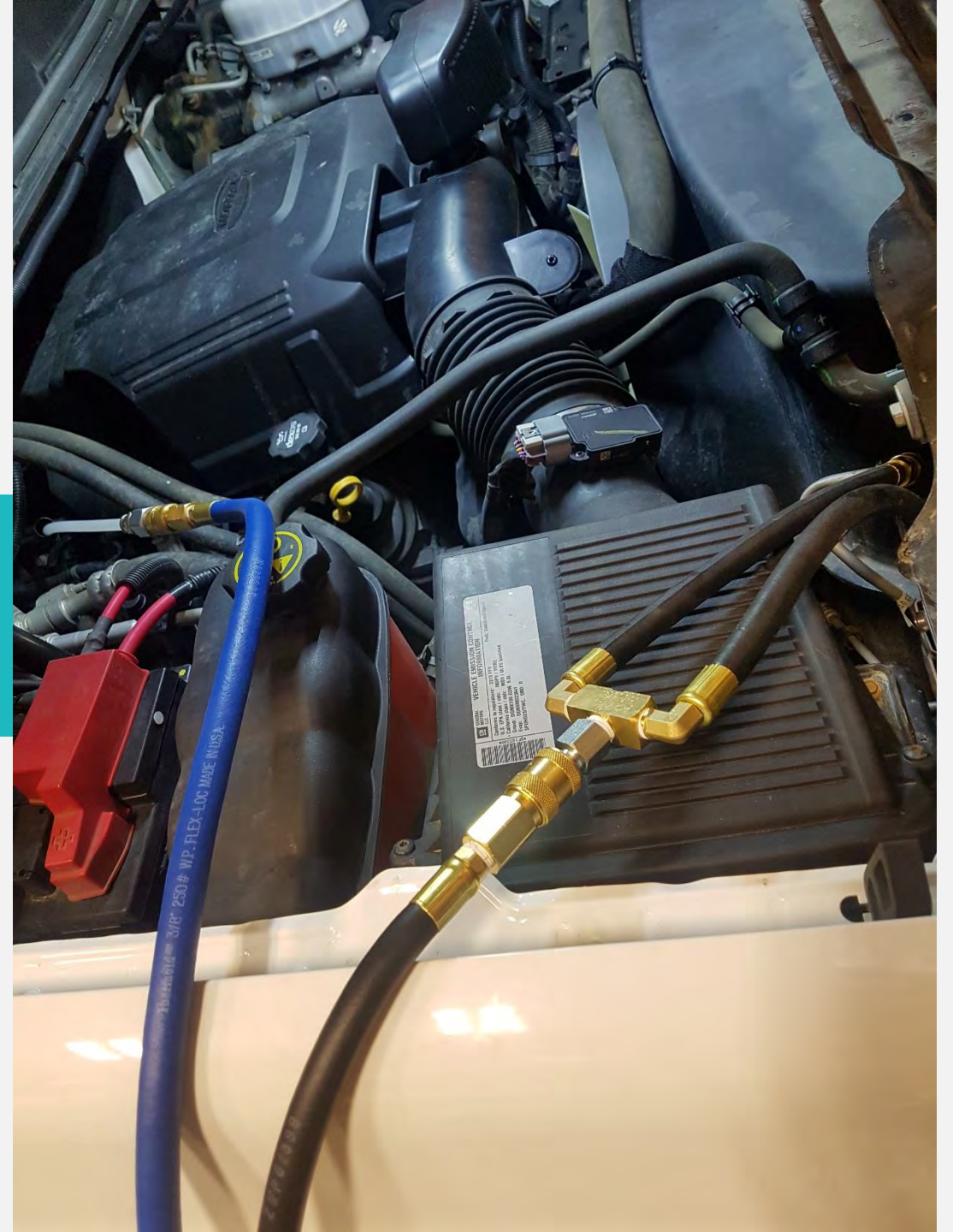
Locate the transmission oil dipstick and remove it

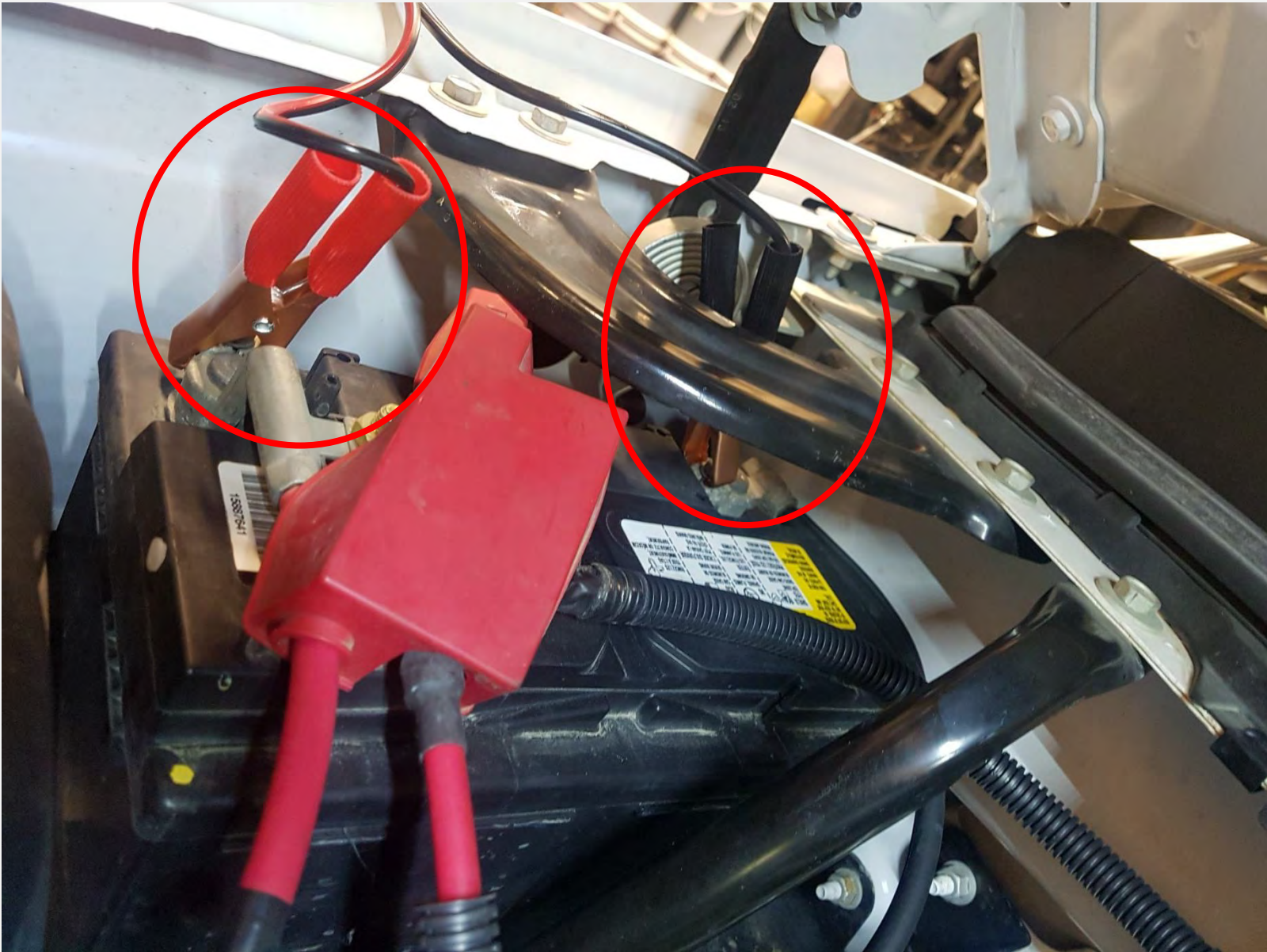


Replace the dipstick with fitting #7094-1



Connect either blue or black hose line to fittings #7094 (dipstick adapter) and #7094-1 (cooler line adapter)





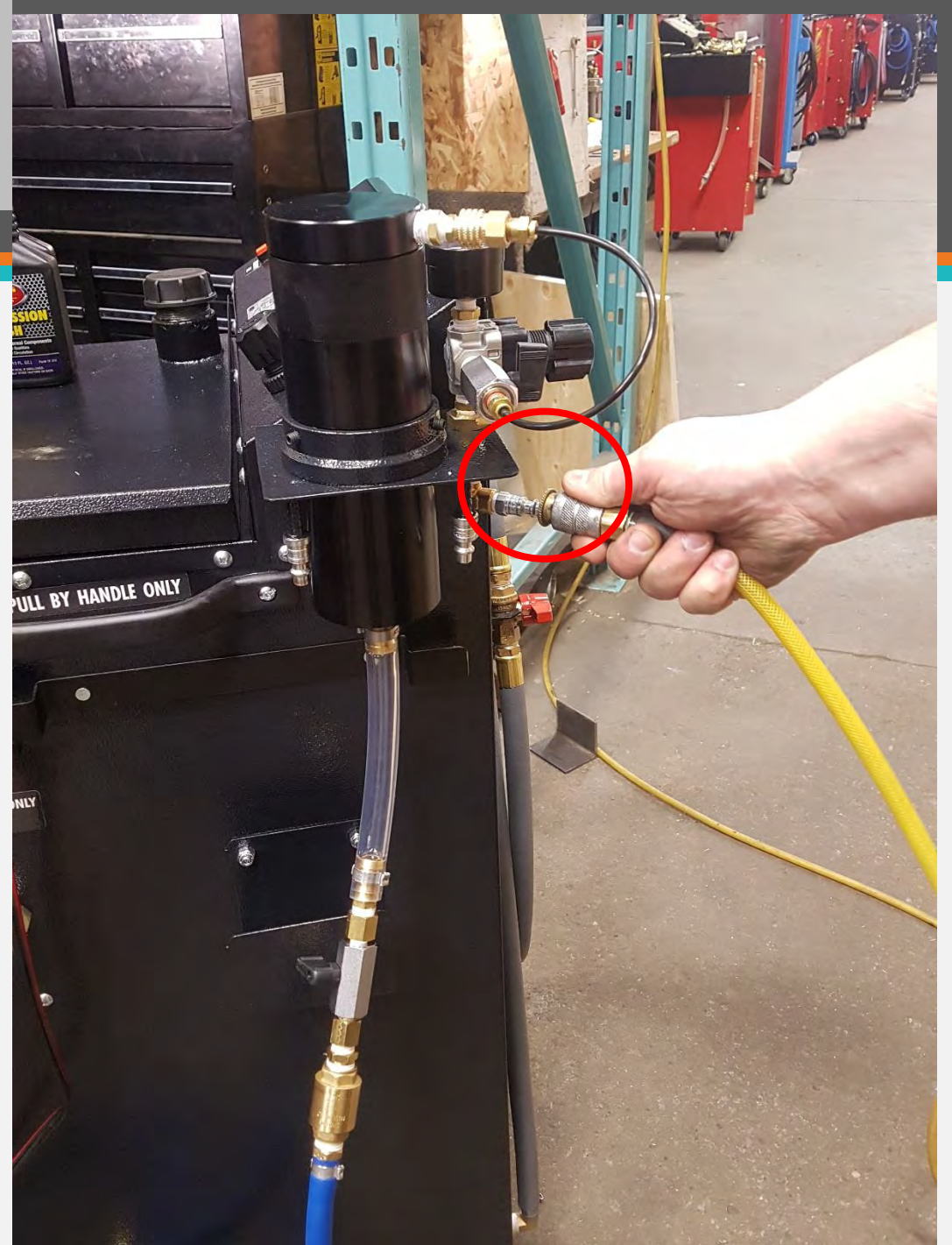
Connect battery clamps from the machine to the vehicle battery

Setting up the fluid canister

If cleaning service is being done with transmission flush chemical use the following 7 steps

1) Make sure ALL the ball valves on the fluid injector (ATS-FI-1) are closed

2) Connect the air to the fluid injector canister





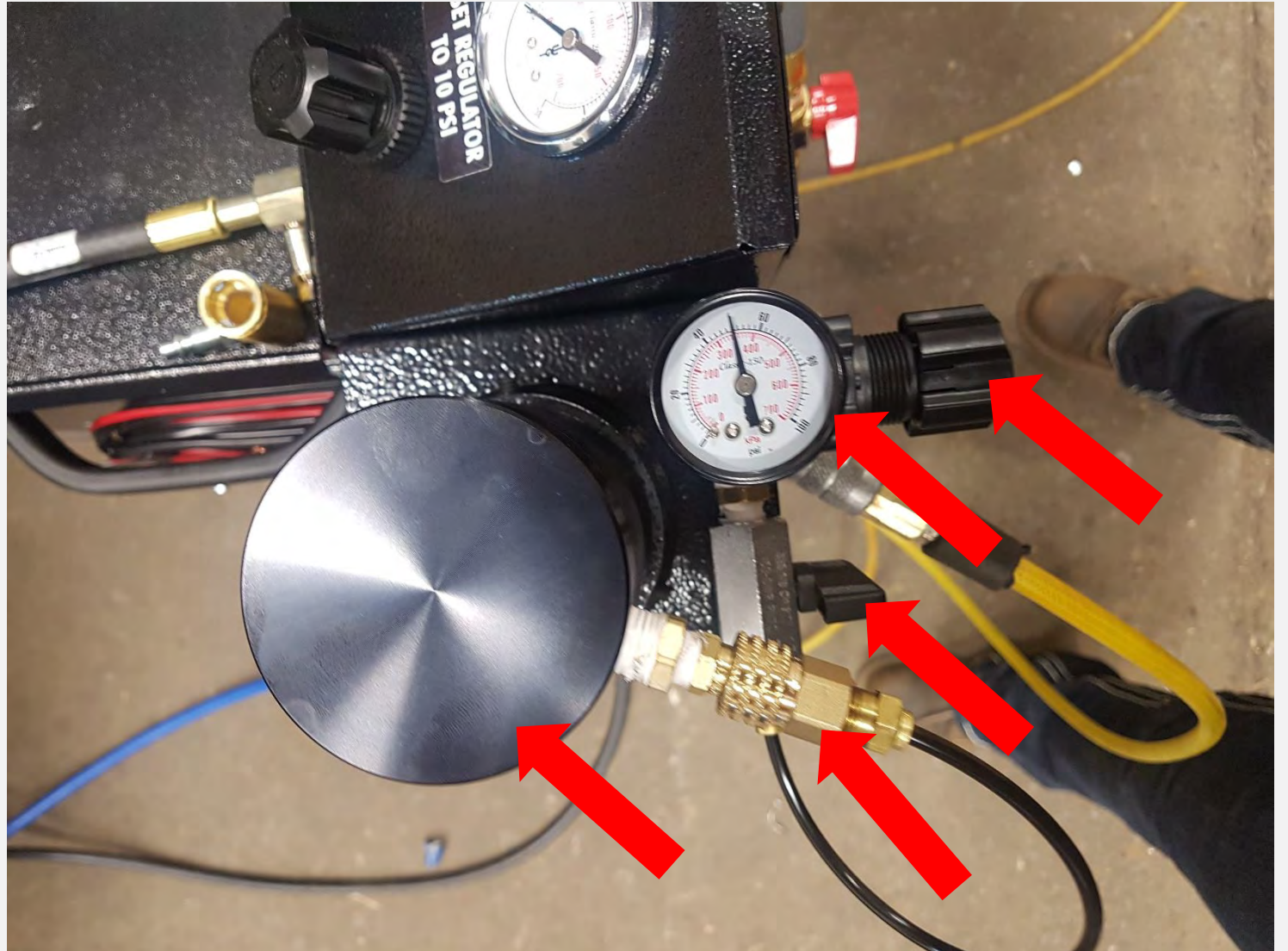
3) Remove the fluid injector cap by first disconnecting the quick connect. Then pour ½L of transmission flush chemical into the fluid canister

4) Put the fluid injector cap back on and reattach the quick connect.

5) Set the pressure to 50 psi

To adjust pressure, pull the knob and turn clockwise to increase and counterclockwise to decrease the pressure, once the pressure is set to 50psi push the knob back to its original position.

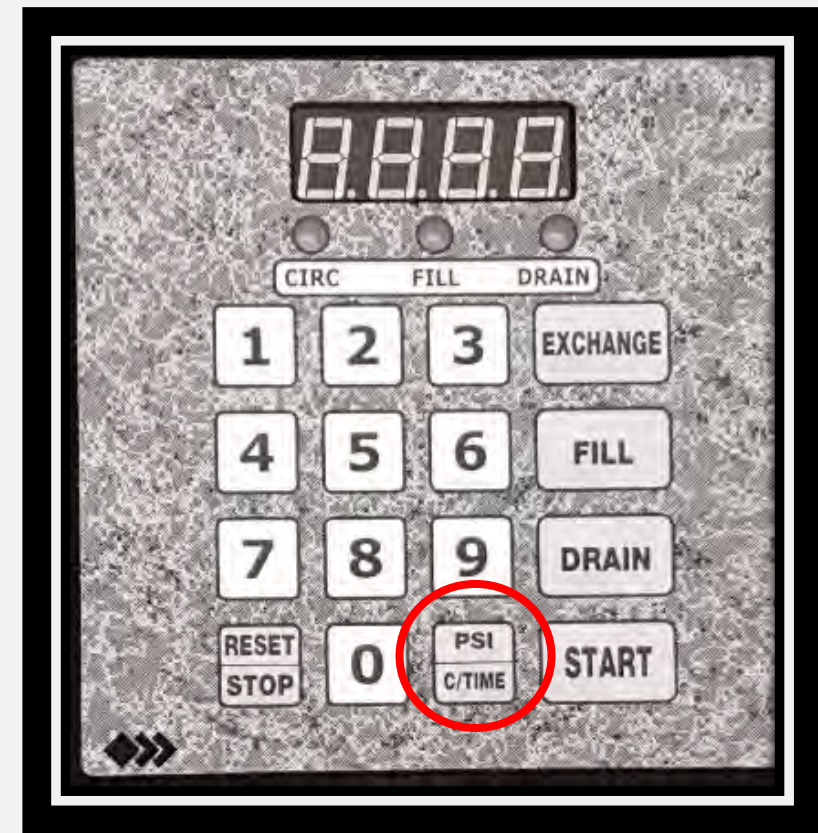
Turn the ball valve on to pressurize fluid injector canister



Start vehicle engine

On the machine keypad, push the PSI button once to read the pressure.

If no pressure is being indicated, that means the hoses are either in reverse or the gear selector may need to be put in the neutral position.



The ATS 320 machine is designed with a flow selector switch. This feature redirects the flow without having to reverse the hoses by easily pushing the switch.



7) Turn the ball valve on the fluid injector canister hose to allow the transmission cleaner to flow through. Once the chemical has passed through the clear hose, turn the ball valve off immediately to prevent any air going into the transmission



Idle the vehicle for 10-15 minutes. During that time, press the brake pedal down and put the vehicle in reverse for 30 seconds. After, shift the vehicle into drive for 30-40 seconds and then back into park.

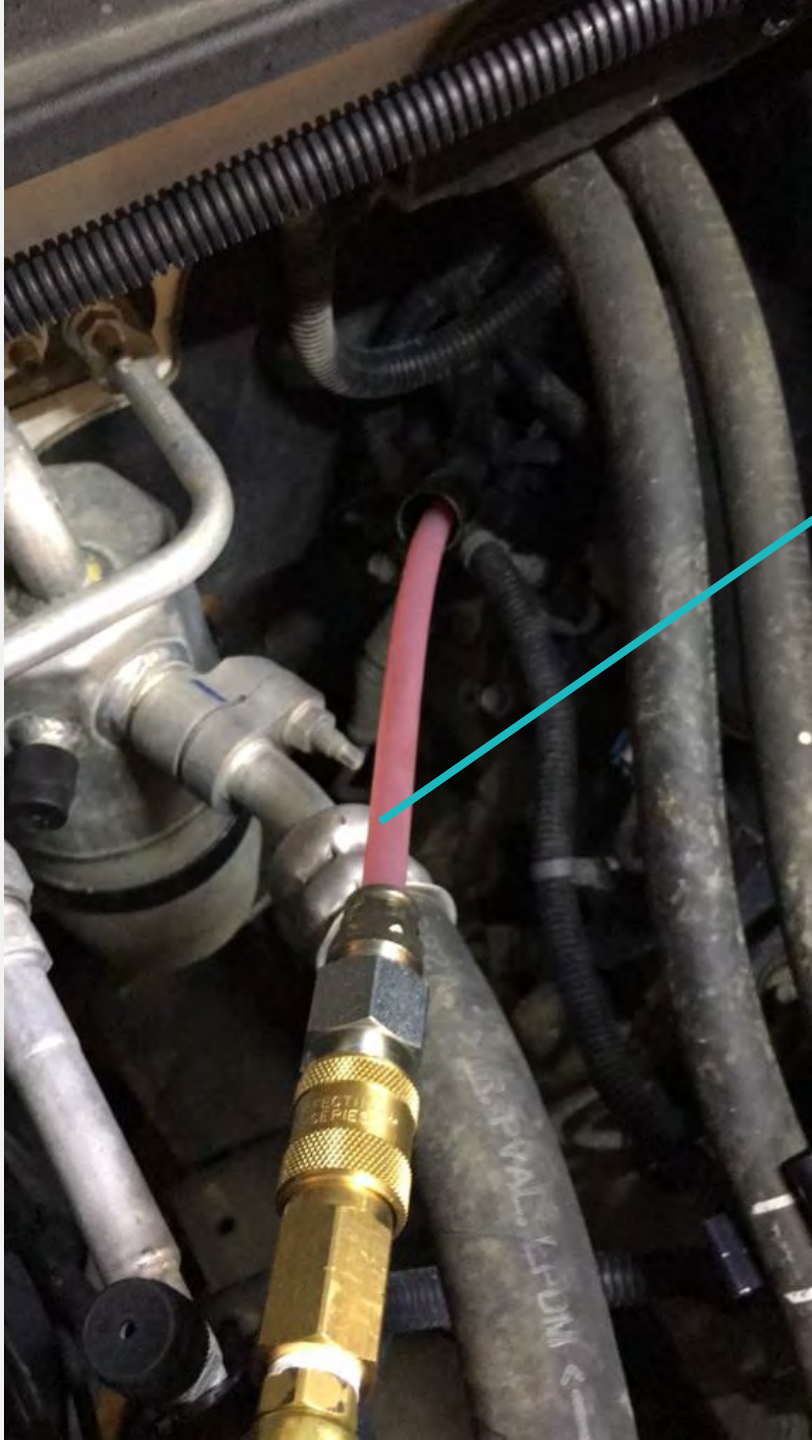
Press the PSI button a second time to diagnose the temperature. The temperature reading should be a minimum of 40 degrees Celsius or 104 degrees Fahrenheit.



Press the PSI button 4 times and set the desired number of minutes for the cleaning cycle.

Press the exchange button and key in the desired amount of fluid to be exchanged. Then press the start button

To verify the exchange happened, check the used fluid sight tube on the front of the machine and check to see if the desired amount of fluid has transferred through



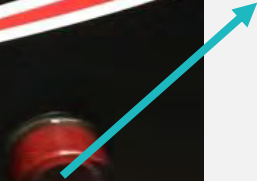
New fluid going in



Used fluid



New fluid

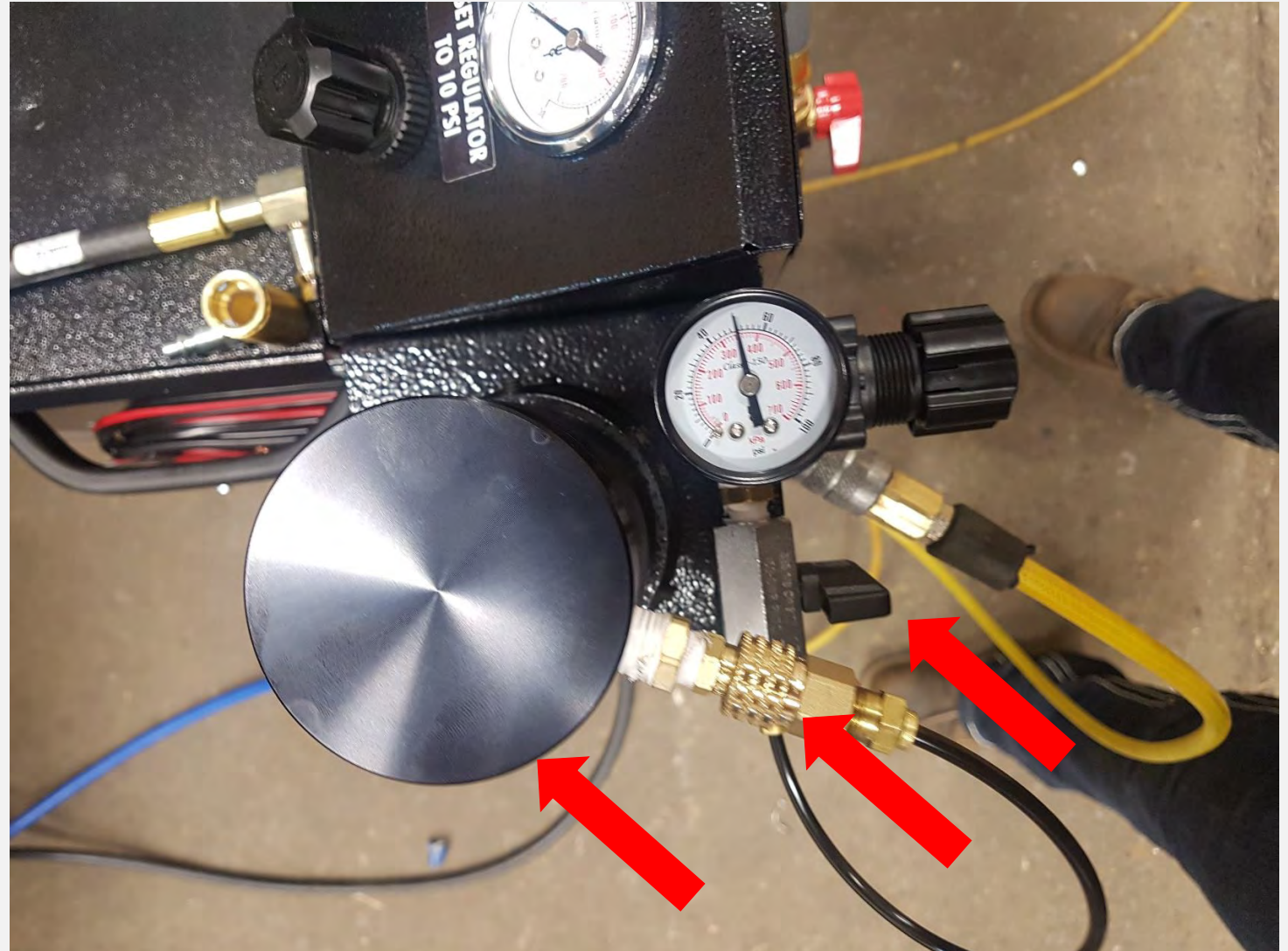


Now that the cleaning and exchange process is done, refill the fluid injector canister (ATS-FI-1) with transmission conditioner

Turn the air supply ball valve off

Disconnect the quick connect on the cap

Remove the canister cap and pour in the transmission conditioner



Turn the ball valve on the fluid injector canister hose to allow the transmission conditioner to flow through.
Once the chemical has passed through the clear hose, turn the ball valve off immediately to prevent any air going into the transmission



The last step is to check the fluid level in the transmission. If the level is low, simply press the fill button and key in the desired amount. If the level is high, press the drain button and key in the desired amount that needs to be drained.

1= 1/10th of a quart

2=2/10th of a quart

3=3/10th of a quart

4=4/10th of a quart

5=5/10th of a quart


6=6/10th of a quart

7=7/10th of a quart

8=8/10th of a quart


9=9/10th of a quart

10= 1 Litre




If the fluid level in the transmission is good then remove the fittings from the vehicle and disconnect the machine.

To empty the used fluid tank, connect the air to the side of the machine and make sure the tank pressure is set to 10 PSI,



Use the hose connected to the back of the machine and turn the ball valve on to start draining the used oil



Thank you for watching
the ATS 320 GM Bypass
tutorial

