

# IMPORTANT

## Hydraulic Line Bleed Procedure for Jeep JL

During bleed process below, note if any air bubbles are observed in the clear hose.

1. Perform the hydraulic clutch system bleed, using the Mityvac tool.  
**Figures 1 & 2 on Reverse**
2. Assemble the Mightyvac tool using an adequate length of clear hose (Figure 1).
  - a) Install bungee cord or equivalent to hold the clutch pedal up.
  - b) Remove the reservoir cap and fill the brake/clutch fluid reservoir to top of reservoir (Figure 2 - See Reverse).
  - c) Raise and support the vehicle.
  - d) Remove the rubber cap covering the Clutch Slave Cylinder bleed valve.
  - e) Install a length of clear tubing onto the Slave Cylinder bleed valve.
  - f) Connect the other end of the clear tubing to the UNMARKED port on the Mityvac clear bottle (Figure 1).
  - g) Connect the Mityvac pump side hose to the port marked TO PUMP on the Mityvac clear bottle (Figure 1).
  - h) Using the Mityvac system, create and maintain a minimum vacuum of 20 mmHg on the Slave Cylinder bleed valve.
  - i) Fully open the Slave Cylinder bleed valve.
  - j) While maintaining vacuum on the Slave Cylinder bleed valve, continue the process until 60mL of brake fluid is removed.
  - k) Fully close the Slave Cylinder bleed valve.
  - l) Top off the brake/clutch fluid reservoir to the top of the reservoir (above MAX fill) (Figure 2).
  - m) Repeat steps H - l at least five more times or until there are no more air bubbles observed through the clear hose.
  - n) Remove the Mityvac system and reinstall the rubber cap on the Slave Cylinder bleed valve.
  - o) Lower the vehicle.
  - p) Install brake fluid reservoir cap (Note: Align cap tabs to reservoir tabs).
  - q) Remove bungee cord from clutch pedal.
  - r) Actuate the pedal 50 times, making sure the pedal is getting to the top of its return stroke each time (this may require that you lift the pedal to the top of the stroke).
  - s) At the brake/clutch fluid reservoir, top off or remove fluid as necessary to reach the MAX fill line on the reservoir.
  - t) Engage the parking brake, verify the vehicle is in Neutral, start engine and verify clutch operation and pedal feel.
  - u) If the clutch pedal is not returning to the top of its stroke, or does not disengage the clutch, repeat the bleeding procedure.

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FIGURE 1

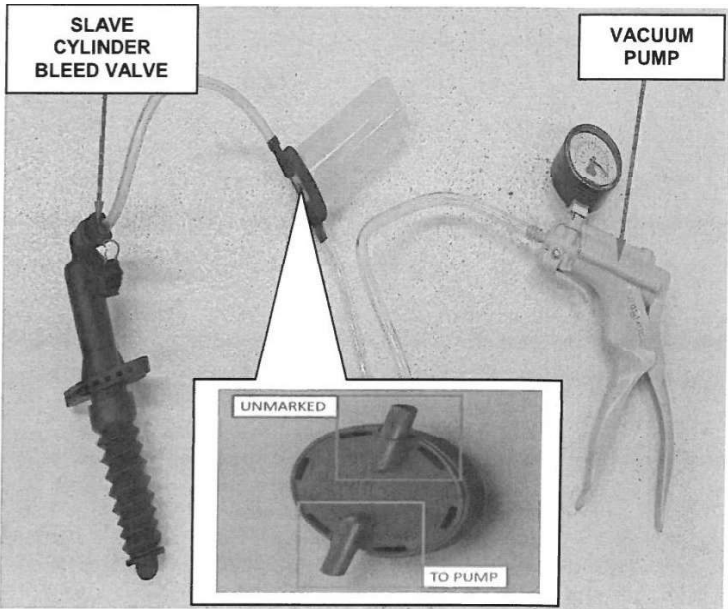
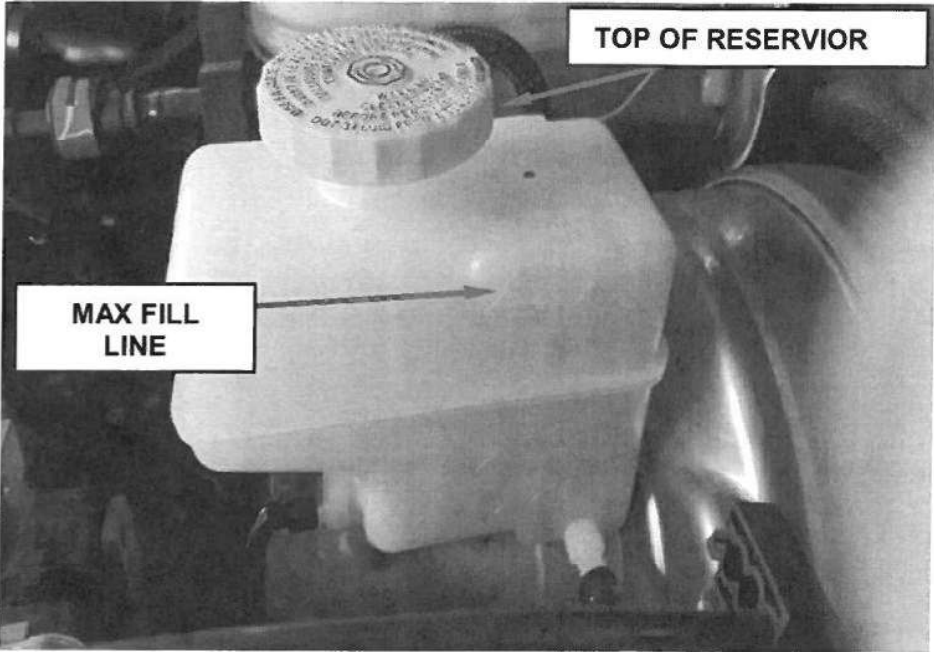


FIGURE 2



Should you have questions or require further information,  
please contact our Tech Line at: (928) 771-8422



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