(4) Compress the vise to force the bearing caps into the yoke. Force the caps enough to install the retaining clips.

(5) Install the bearing cap retaining clips.

(6) Install the axle shaft, refer to Hub Bearing and Axle Shaft installation.

VACUUM DISCONNECT AXLE — YJ VEHICLES

VACUUM CONTROL SYSTEM

The disconnect axle control system consists of;

- Vacuum control switch on the transfer case
- Air vent filter
- Shift motor
- Indicator switch
- Vacuum switch
- Check valve
- Vacuum harness (Fig. 9, 10)

Refer to Group 21—Transmissions for additional information involving the Command-Trac System Transfer Case.

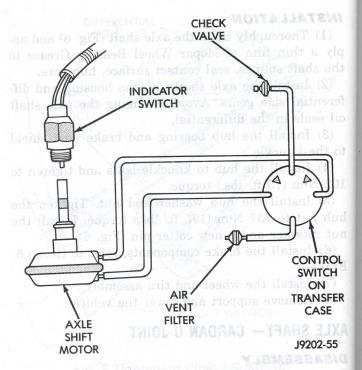
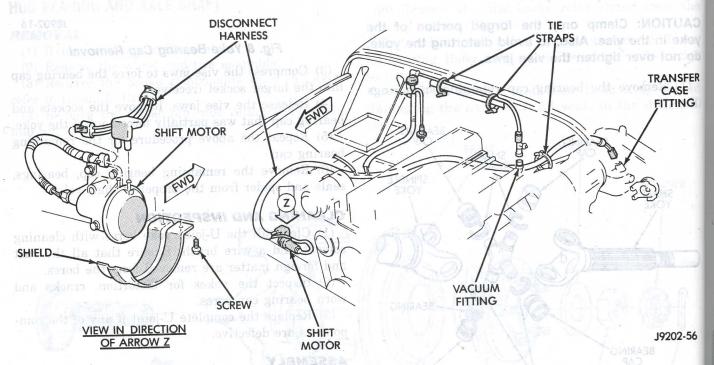


Fig. 9 Vacuum Control System



gernaed leedw to that SM ages garaged Fig. 10 Vacuum Hose Routing

J9002-95

FOU

NECESSARY.

DISCONNECT AXLE/SHIFT MOTOR DIAGNOSIS TWO-WHEEL DRIVE OPERATION DIAGNOSIS FOUR-WHEEL DRIVE INDICATOR LIGHT WILL NOT GO OUT WHEN TRANSFER CASE SELECTOR IS MOVED FROM 4H TO 2H POSITION. YES START ENGINE DEPRESS BRAKE TEST COMPLETE INSPECT INDICATOR PEDAL. PLACE TRANSFER RAISE VEHICLE SO ALL CASE SELECTOR IN 2H POSITION SWITCH AND WIRING ON NO FOUR-WHEEL DRIVE FOUR WHEELS ARE AND TRANSMISSION IN DRIVE (AUTOMATIC) OR FIRST GEAR (MANUAL). EASE OFF FROM BRAKE AND LET WHEELS ROTATE SHIFT MOTOR HOUSING INDICATION SYSTEM FOR DAMAGE AND SHORT-CIRCUIT. FREE TO ROTATE OK \$ REPAIR AS NECESSARY. SLOWLY. FRONT DRIVE FRONT DRIVE SHAFT DOES SHAFT ROTATES. NOT ROTATE INSPECT TRANSFER FOUR-WHEEL DRIVE CASE LINKAGE. INDICATOR LIGHT REMAINS ON. CHECK TRANSFER CASE. REPAIR AS NECESSARY. PLACE TRANSMISSION IN NEUTRAL. TEST FOR VACUUM IN VACUUM HOSE THAT CONNECTS TO INBOARD SHIFT DICONNECT THE MOTOR PORT SHIFT MOTOR VACUUM (VACUUM SHOULD BE HOSES. BETWEEN 10-20 IN. HG.) VACUUM OK NO VACUUM OR LOW VACUUM. STOP ENGINE INSPECT INTAKE MANIFOLD VACUUM SUPPLY HOSE CONNECTION, TRANSFER CASE VACUUM SWITCH CONNECTION, VACUUM RESERVOIR, AND SHIFT SYSTEM VACUUM HOSES FOR PROPER CONNECTION, RESTRICTION, AIR LEAKS, AND DAMAGE. REPAIR OR REPLACE CONNECT A VACUUM PUMP TO THE INBOARD SHIFT MOTOR PORT. APPLY 15 IN. HG VACUUM AND ROTATE AS NECESSARY. RIGHT WHEEL. FRONT AXLE FRONT AXLE DISCONNECTS. DOES NOT DISCONNECT. INSPECT VACUUM HOSES FOR AIR LEAKS, KINKS, ETC. REPAIR AS NECESSARY. **REMOVE SHIFT MOTOR** HOUSING COVER. CONNECT VACUUM PUMP TO SHIFT MOTOR PORT. REPLACE SHIFT MOTOR FRONT AXLE WILL NOT DISCONNECT. IF ARMATURE DOES NOT MOVE IN AND OUT FREELY. REMOVE SHIFT MOTOR HOUSING COVER. INSPECT SHIFT FORK, COLLAR, AND AXLE SHAFTS. REPAIR OR REPLACE AS

J9002-95

