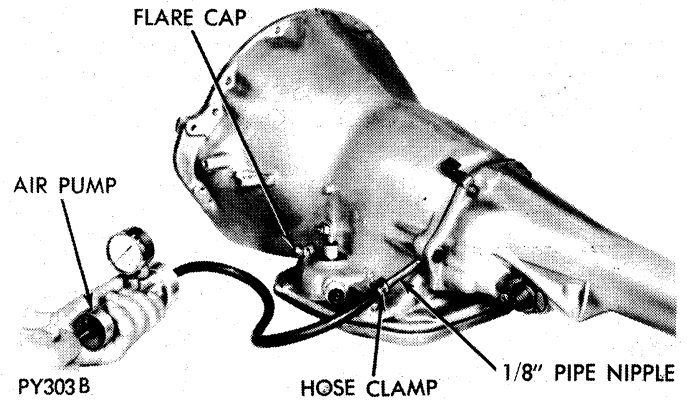


**Fig. 12—Transmission Prepared for Test**

If a leak source is located, that part and all associated seals and gaskets should be replaced with new parts.



**Fig. 13—Pressurizing Transmission**

### Torque Converter Pressure Test

If fluid leakage has occurred in the bell housing area, the torque converter can be leak checked as follows after removal from the transmission:

- (1) Drain all oil from the converter. If flushing is required, flush before checking for leakage.
- (2) Install tool C-4102 and tighten.
- (3) Apply a maximum of 100 psi air pressure to the converter.

### DIAGNOSIS GUIDE-ABNORMAL NOISE

INSPECT AND CORRECT THE TRANSMISSION FLUID LEVEL, ROAD TEST TO VERIFY THAT AN ABNORMAL NOISE EXISTS, IDENTIFY THE TYPE OF NOISE, DRIVING RANGES, AND CONDITIONS WHEN THE NOISE OCCURS.

#### GEAR NOISE OR GRINDING

REMOVE THE TRANSMISSION AND CONVERTER ASSEMBLY; DISASSEMBLE, CLEAN AND INSPECT ALL PARTS; CLEAN THE VALVE BODY INSTALL ALL NEW SEALS, RINGS, AND GASKETS; REPLACE WORN OR DEFECTIVE PARTS.

#### WHINE OR BUZZ NOISE

LISTEN TO TRANSMISSION AND CONVERTER FOR SOURCE OF NOISE.

#### KNOCK, CLICK, OR SCRAPE NOISE

REMOVE TORQUE AND INSPECT FOR LOOSE OR CRACKED CONVERTER DRIVE PLATE; INSPECT FOR CONTACT OF THE STARTER DRIVE WITH THE STARTER RING GEAR.

#### TRANSMISSION HAS BUZZ OR WHINE

**NO DEBRIS PRESENT**  
REMOVE VALVE BODY, DISASSEMBLE, CLEAN AND INSPECT PARTS. REASSEMBLE, INSTALL, CHECK OPERATION AND PRESSURES.

REMOVE THE TRANSMISSION PAN; INSPECT FOR DEBRIS INDICATING WORN OR FAILED PARTS.

REPLACE TORQUE CONVERTER

#### CONVERTER HAS LOUD BUZZ OR WHINE

**DEBRIS PRESENT**  
REMOVE TRANSMISSION AND CONVERTER AS AN ASSEMBLY; DISASSEMBLE, CLEAN AND INSPECT ALL PARTS, CLEAN THE VALVE BODY INSTALL ALL NEW SEALS, RINGS AND GASKETS; REPLACE WORN OR DEFECTIVE PARTS.