

## TESTING (Continued)

12. Remove, disassemble and clean the steering gear. Refer to Section 11-02 for disassembly. Also, flush power steering hoses and power steering pump before installing steering gear.

13. Disconnect and remove analyzer and connect lines.  
14. Secure pressure line bracket at engine.

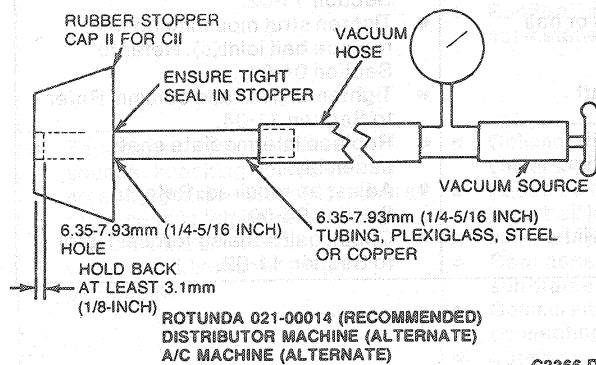
## POWER STEERING PUMP SPECIFICATIONS

Engine	Pump Model	Minimum Flow @ 5100 kPa (740 psi)		Minimum Relief Pressure		Max. Relief Pressure		Maximum Free Flow @ 1500 Rpm	
		Liters/Min. 78°C (172°F)	Gal./Min. 78°C (172°F)	kPa	psi	kPa	psi	Liters/Min.	Gal./Min.
3.0L and 3.8L Police	HBC-KE	3.4	.9	9650	1400	10550	1530	9.8	2.6
3.0L/3.2L SHO	F3DC-3A674 -BA	3.4	.9	9650	1400	10550	1530	9.8	2.6

**\*IMPORTANT:** Flow depends on pump model, engine rpm and pulley drive ratio. Engine idle rpm must be set to specification when checking pump minimum flow capacity.

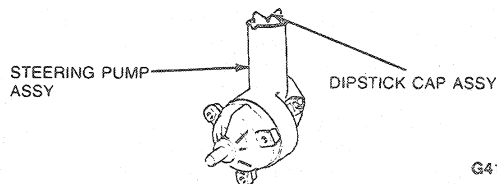
## Purging Power Steering System of Air

Air trapped in power steering system, which causes a whine or moan-type noise, can be removed by using a power steering pump air evacuator assembly (devac tool). Fabricate as shown, or use Rotunda Vacuum Tester 021-00014 or equivalent.



**CAUTION:** Under no circumstances should engine vacuum be utilized.

1. Remove pump dipstick cap assembly.



2. Check and fill pump reservoir with Premium Power Steering Fluid E6AZ-19582-AA (ESW-M2C33-F) or equivalent to the COLD FULL mark on pump dipstick.
3. Disconnect ignition coil wire and raise front wheels off floor. Refer to Section 00-02.
4. Crank engine with starter motor and check fluid level. Do not turn steering wheel at this time.
5. Fill pump reservoir to COLD FULL mark on dipstick. Crank engine with starter motor while cycling steering wheel from lock-to-lock. Check fluid level.
6. Tightly insert rubber stopper of the air evacuator assembly into pump reservoir fill neck. Reconnect coil wire.
7. Apply 51 kPa (15 in-Hg) maximum vacuum on pump reservoir for a minimum of three minutes with engine idling. As air purges from system, vacuum will fall off. Maintain adequate vacuum with vacuum source.
8. Release vacuum and remove vacuum source. Refill reservoir to COLD FULL mark.
9. With engine idling, apply 51 kPa (15 in-Hg) vacuum to pump reservoir. Slowly cycle steering wheel from lock-to-lock every 30 seconds for approximately five minutes. Do not hold steering wheel on stops while cycling. Maintain adequate vacuum with vacuum source as air purges.
10. Release vacuum and remove vacuum equipment. Add fluid if necessary. Install dipstick.
11. Start engine and cycle steering wheel slowly. Check for fluid leaks at all connections. In severe cases of aeration, it may be necessary to repeat Steps 5 through 10.
12. Lower front wheels.