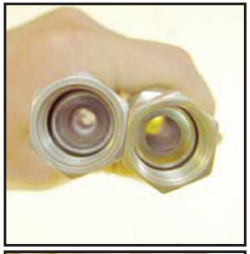

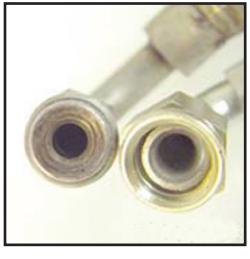

Power Steering Hose Tech

Power steering pumps require a hose with a vacuum rating of 28 INCHES/HG on the inlet side, and a minimum ½"inside diameter. This is required to keep the hose from collapsing at higher RPMs. As seen in Photo 1 to the left, common hydraulic hose may have a -10 fitting on them, but the inside diameter is smaller than -6 (.265"). This will damage the pump because there is no way for the pump to intake enough fluid to meet its requirement through such a small hole.

Push-lock hose may be the proper inside diameter, but the vacuum rating is only 18 INCHES/MG. As the fluid warms up, this rating actually goes down. Push-lock hose will suck shut anywhere there is a bend in it, starving the pump of fluid and can cause severe damage to the internals of the pump.

The -6 pressure hose, leaving the pump, must have an operating pressure of 2,250 psi. and an inside diameter of .31". Common hydraulic hose may have the proper operating range, but their inside diameter is slightly smaller. See Photo 3. The smaller diameter can restrict the flow to the steering gear. This can cause problems in your steering, such as tight spots in the turns and increased driver effort.

Also make sure the -10 feed line from the reservoir tank, remote tanks only, has a ½" inside diameter. Some companies have been importing tanks to the U.S. that have a 3/8" inside diameter. This will restrict flow to the pump and will damage the pump within a few races.

KRC only recommends Aeroquip AQP high pressure power steering hose and fittings.