

Oversized Pressure Reducing Valve



Part No.
102741-07

NOTE: Fits in either of two locations.

Tool Kit



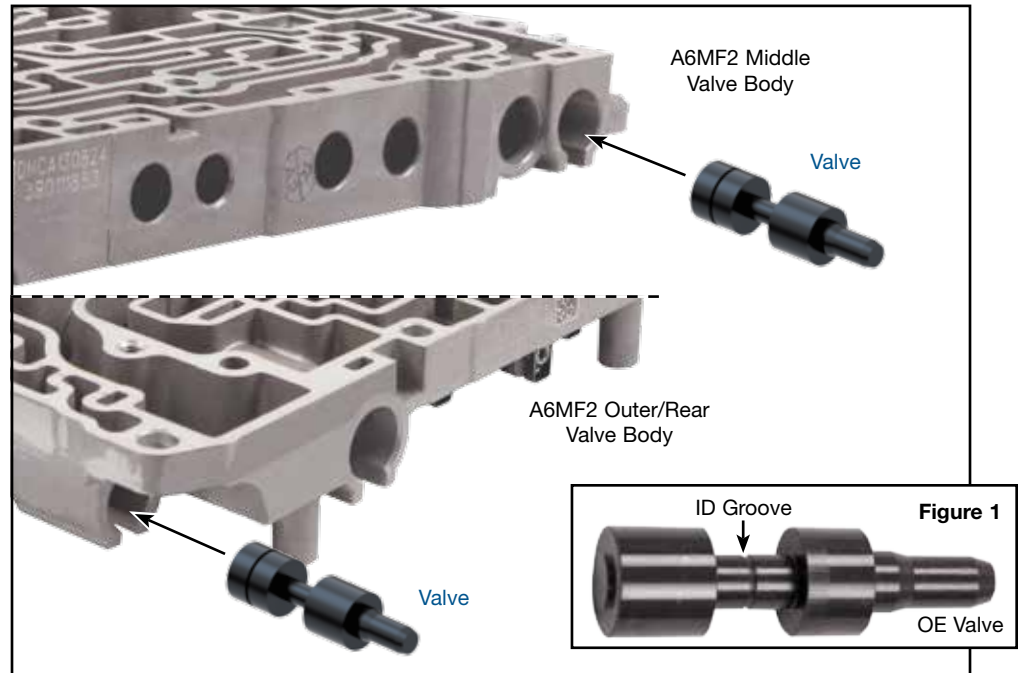
Part No.
F-102741-TL7

- Reamer
- Reamer Jig
- Guide Pin

NOTE: Sonnax "F-Tool" kits designed to service a specific bore require the VB-FIX, a self-aligning valve body reaming fixture. More information and instructions can be found online at www.sonnax.com.



Hyundai/Kia A6GF1, A6MF1/2, A6LF1/2/3



NOTE: If OE valve has ID groove between the two spools (Figure 1), adjustable end plug MUST be measured and adjusted. See step three below for details.

1. Disassembly

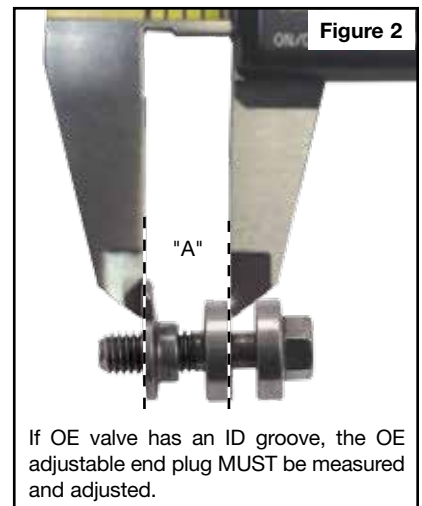
- Remove OE retainer, adjustable end plug and spring and set aside for reuse. DO NOT alter the setting on the adjustable end plug.
- Remove OE valve and check for presence of ID groove, then discard.

2. Bore Reaming

Ream pressure reducing valve bore (for reaming instructions/reamer care, please visit www.sonnax.com). Sonnax reaming tool kit **F-102741-TL7** and **VB-FIX** are required for this operation.

3. Identify OE Valve & Adjust End Plug

- If OE valve has ID groove between spools (Figure 1), adjustable end plug must be measured and adjusted as follows. If valve does not have ID groove, proceed directly to step four, "Installation & Assembly."
- Measure and record dimension "A" (Figure 2). This dimension will vary from unit to unit, there is no "baseline" setting.
- Turn adjuster inward by .040" from dimension "A". For example, if dimension "A" originally measured .465", it would be necessary to tighten adjuster until dimension "A" measured .425".



If OE valve has an ID groove, the OE adjustable end plug MUST be measured and adjusted.

4. Installation & Assembly

- Thoroughly clean valve bore and body.
- Install Sonnax valve.
- Reinstall OE spring, ensuring it seats over valve spring guide.
- Reinstall OE adjustable end plug and retainer.

4. Final Testing

Vacuum testing at the port(s) indicated holds the recommended minimum 18 in-Hg (**Figures 3 & 4**).

