

### Boost Valve Kit

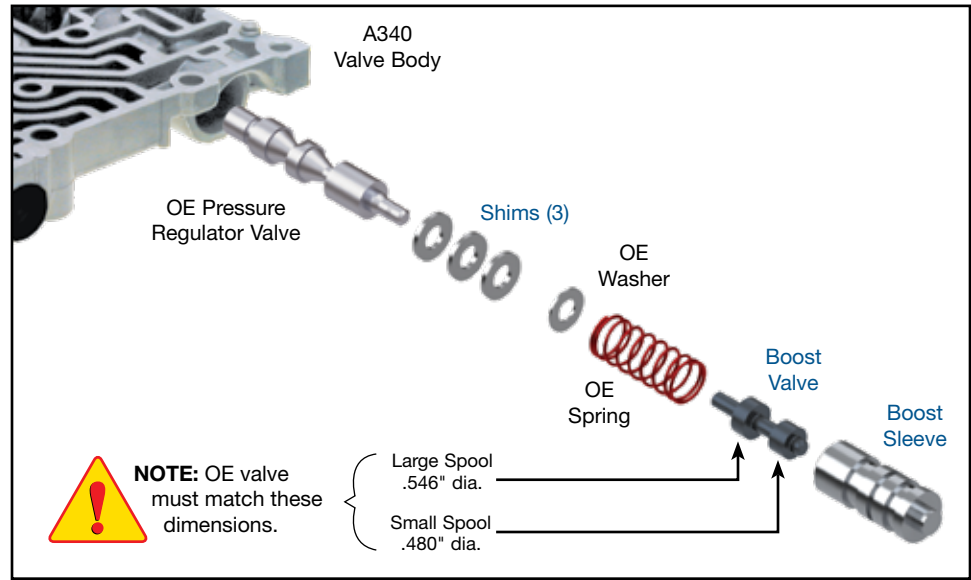
#### Part No.

# 97855-30K

- Boost Sleeve
- Boost Valve
- Shims (3)

**NOTE:** Fits type 1 valve bodies with .546" and .480" dia. OE valve spools only. Must measure OE valve and compare dimensions to ensure correct Sonnax part is installed.

### Toyota/Lexus A340, A340E, A340F, A340H



**NOTE:** OE boost sleeve design has four quadrants on outboard end. The surfaces are stepped to create four different height options. Take note of which surface is used for the retaining pin; sleeve must be measured to determine correct amount of Sonnax shims required (**Figure 1**).

#### 1. Disassembly

- Before removing OE boost sleeve, note and record which land the retaining pin is positioned on. Then remove OE retainer, boost assembly, spring, pressure regulator valve and washer.
- Save OE pressure regulator valve, retaining pin and spring for reuse; set aside OE boost valve and sleeve for evaluation.

#### 2. OE Valve & Sleeve Evaluation

- Verify OE boost valve dimensions match Sonnax boost valve dimensions (main picture).
- Discard OE boost sleeve and valve.
- Determine how many Sonnax shims to install in conjunction with OE washer:
  - Measure from inboard end of OE sleeve to noted retainer stop height on sleeve (**Figure 1**).
  - Use chart to determine number of Sonnax shims required (**Figure 2**).

#### Sonnax Shim Requirement

Figure 2

OE Sleeve Measurement	Number of Shims Required
1.720"	0
1.775"	1
1.830"	2
1.875"	3

#### 3. Installation & Assembly

- Place correct number of shims (if any required) over OE pressure regulator valve spring stem.
- Install OE washer over pressure regulator valve spring stem.
- Reinstall OE pressure regulator valve into casting.
- Reinstall OE spring.
- Install Sonnax boost valve and sleeve. Secure with OE retainer.