A4LD

PART NUMBERS 56947-02K, -03K, -04K, -05K

Large & Small Boost Valve Kits

With O-Rings

56947-02K High Ratio

56947-04K Low Ratio

Each kit contains the following

1 Sleeve
1 Valve
2 O-Rings

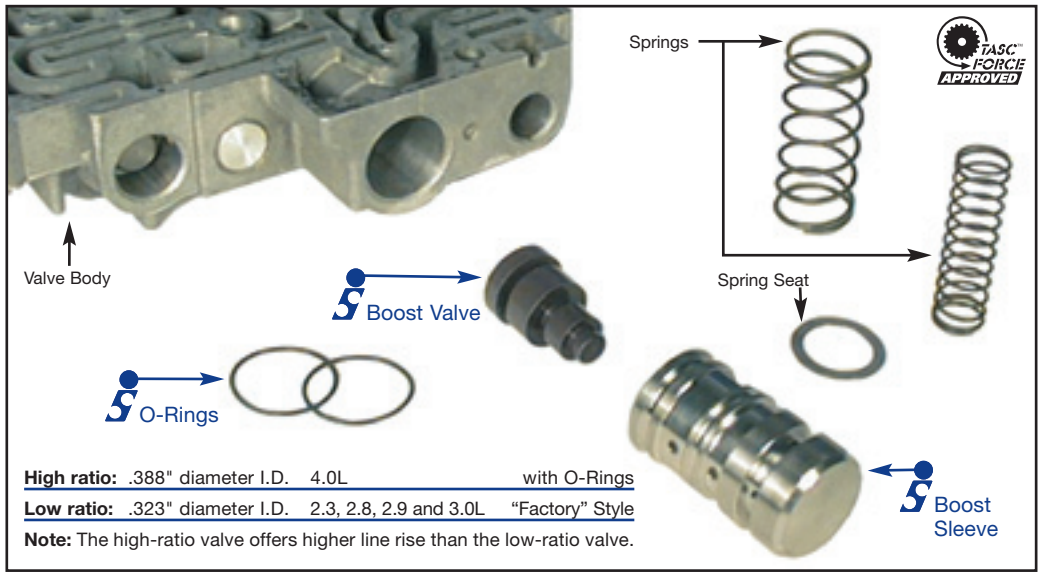
Factory Style without O-Rings

56947-03K High Ratio

56947-05K Low Ratio

Each kit contains the following

1 Sleeve
1 Valve

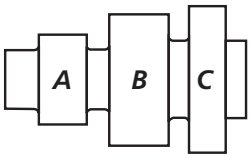


High ratio: .388" diameter I.D. 4.0L with O-Rings

Low ratio: .323" diameter I.D. 2.3, 2.8, 2.9 and 3.0L "Factory" Style

Note: The high-ratio valve offers higher line rise than the low-ratio valve.

Boost Valve Diameter



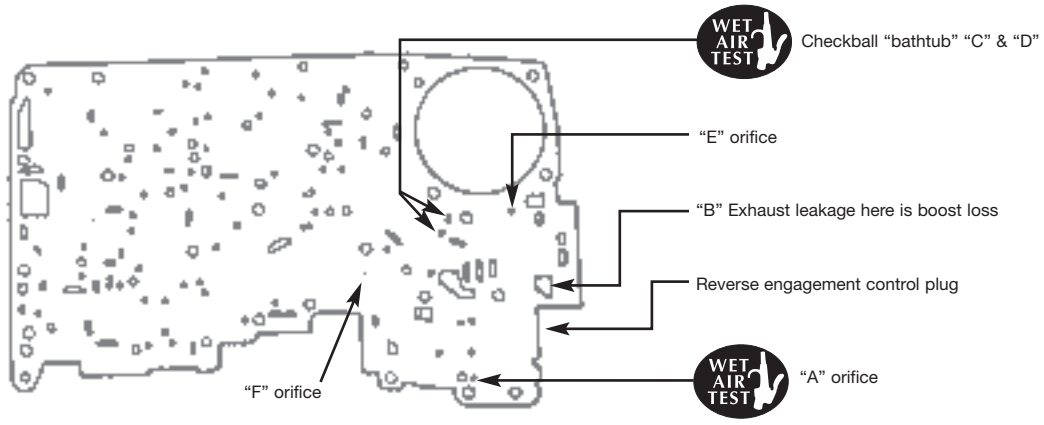
	Ø A	Ø B	Ø C
Small	Ø .323"	Ø .571"	Ø .606"
Large	Ø .388"	Ø .571"	Ø .634"

Note: During Wet Air Test of reverse circuit, if excessive oil loss is visible at the reverse engagement control plug, the plug is either installed backward (should be large diameter outward) or the plug or bore is worn. This wear will reduce reverse boost effectiveness.

Wet Air Test

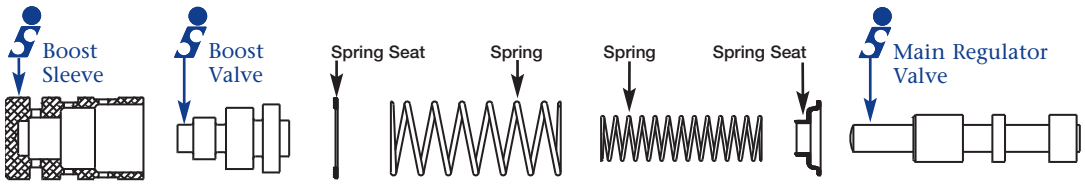
With the manual valve in the reverse position and the separator plate still bolted to the valve body, place a small amount of oil into the "A" orifice. Follow with low air pressure. There should be no oil or air leakage in the exhaust port at "B". If there is, the boost valve is worn at the reverse land and should be replaced. Place a small amount of oil in checkball hole "C" or "D". Follow with low air pressure while plugging the opposing hole. There should be no oil or air leakage at cutback valve "E" location. If leakage occurs, the boost valve assembly is worn and should be replaced.

Note: To ensure that the pressure regulator valve balance circuit is functional, perform a Wet Air Test at "F". A worn bore will leak to filter suction hole. Many poor converter charge and engagement concerns are related to bore valve wear here.



Installation Instructions

Perform a Wet Air Test to determine if the boost valve assembly is worn and needs to be replaced. Remove the worn boost valve and sleeve from the valve body. Replace with the Sonnax boost valve kit. Refer to the illustration below to ensure that all parts are returned in the proper order and correct orientation.



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