



[Short Runner Intake Manifold, 8P Audi A3 3.2L VR6 24V & MkV Volkswagen R32 Turbo, Billet Aluminum SRI](#)



**Supplied Parts:**

- 034Motorsport 3.2L VR6 24V SRI Plenum
- 034Motorsport 3.2L VR6 24V SRI Runners
- 034Motorsport 3.2L VR6 24V SRI End Plate
- 034Motorsport 3.2L VR6 24V SRI Throttle Body Elbow
- M4 x 12mm Allen Bolts (14)
- M4 x 16mm Allen Bolts (9)
- M4 x 12mm Hex Bolts (24)
- M6 x 25mm Allen Bolt
- M6 x 50mm Allen Bolts (3)
- M12 x 1.5mm Plug with Copper Sealing Washer
- M12 Banjo to 8mm Nipple Fitting Kit with Copper Sealing Washers
- M12 Banjo to 10mm Nipple Fitting Kit with Copper Sealing Washers
- M7 x 30mm Hex Bolts (9)
- M8 Flat Washers (9)
- 44mm x 3.5mm O-Rings (6)
- 45mm x 3mm O-Rings (6)
- 105mm x 3mm O-Ring
- Blue RTV

**Tools Needed:**

- Hands (Opposable Thumbs Are Required!)
- 7mm Open-Ended Crescent Wrench
- 3.5mm Allen
- Drill and 25/64" Drill Bit
- Blue Loctite (Recommended)

**Step 0** – Clear off the dining room table or kitchen counter, and find your girlfriend's yoga mat. It's not like she uses it anyway, and you'll need a surface to work on. The yoga mat won't scratch up the plenum, will be gentle on your elbows/wrists/hands, and prevents any dropped hardware from rolling away. Pranayama breathing is optional.

**Step 1** – Locate the 105mm x 3mm o-ring and the SRI End Plate pictured below. Install the o-ring in the receiver groove on the end plate.



**Step 2** – Locate the six 44mm x 3.5mm o-rings and the SRI runners. These o-rings are visually thicker than the 45mm x 3mm ones. Do not get them confused! The six 44mm x 3.5mm o-rings install into the receiver grooves located on the plenum side of the runners, as pictured below.



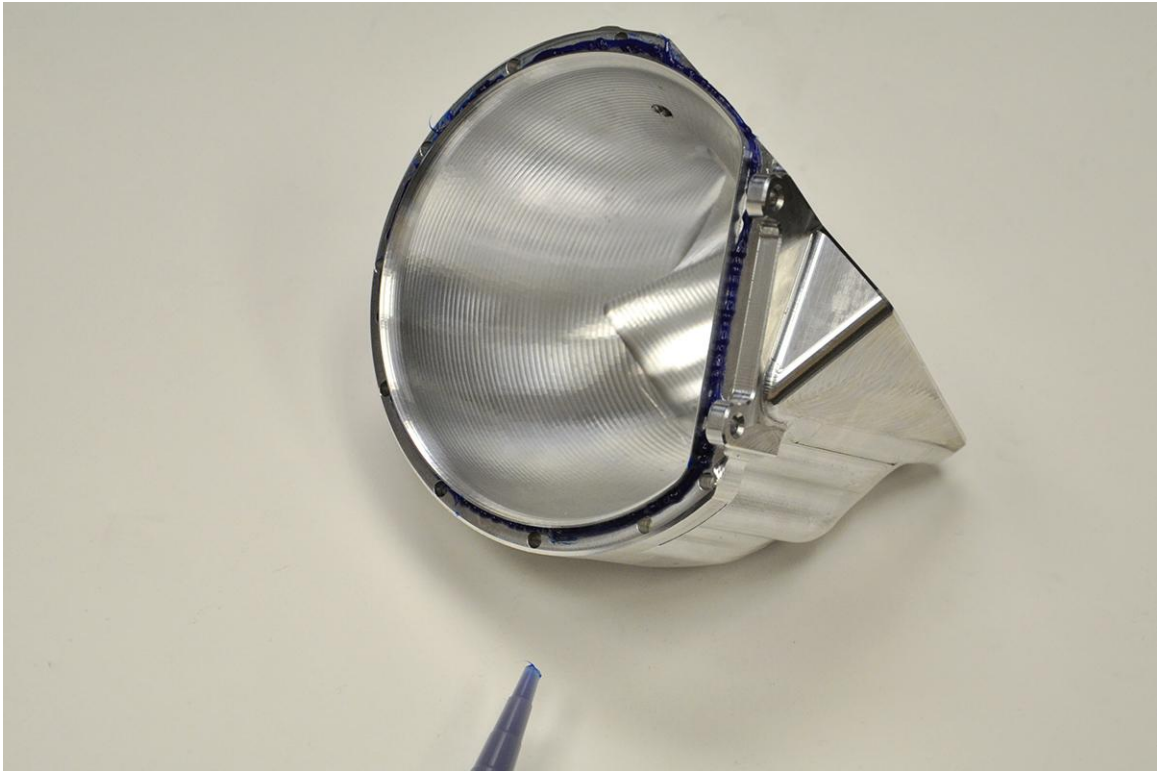
**Step 3** – Locate the six 45mm x 3mm o-rings and the SRI Runners. These o-rings are visually thinner than the 44mm x 3.5mm ones you used in Step 2. Do not get them confused! The six 44mm x 3.5mm o-rings install into the receiver grooves located on the cylinder head side of the runners, as pictured below.



**Step 4** – Using twelve of the shorter M4 x 12mm allen bolts and Blue Loctite, install the SRI End Plate onto the side of the SRI Plenum that *does not* have a notch for the throttle body. Make sure not to pinch the o-ring! Lubricating the o-ring helps with this step, and the bolts can be used to *carefully* pull the end plate to the plenum. Torque bolts to 5 Nm.



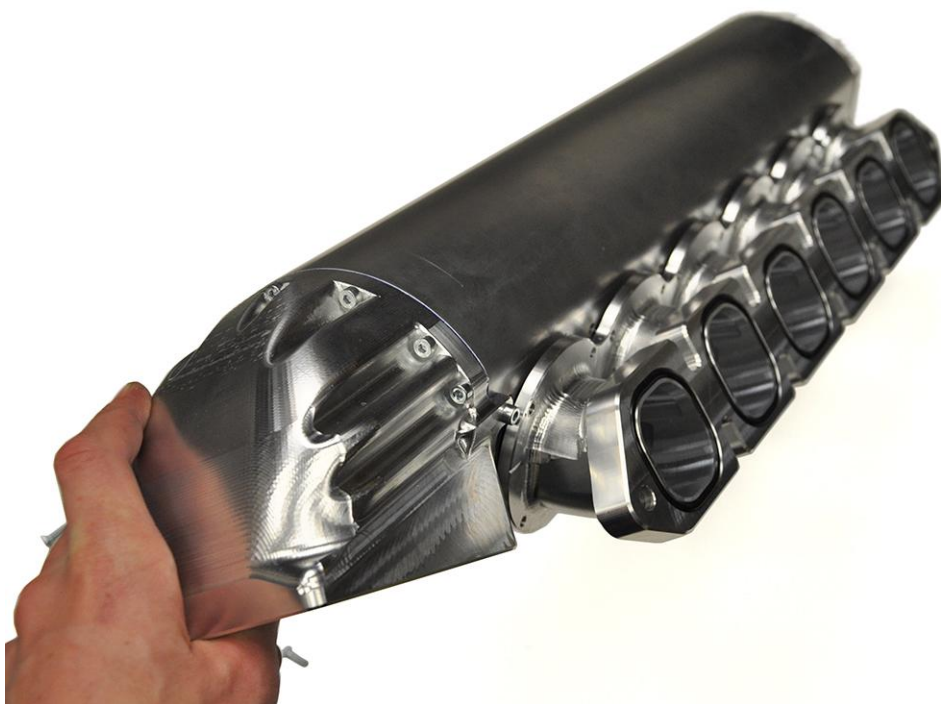
**Step 5** – Apply a thin layer of the supplied RTV to the SRI Throttle Body Elbow as pictured below.



**Step 6** – Using the nine M4 x 16mm allen bolts and Blue Loctite, attach the SRI Throttle Body Elbow to the SRI Plenum. The flat mating surface for the throttle body will line up with the notch in the SRI Plenum. Install the two remaining M4 x 12mm allen bolts with Blue Loctite in the two holes on the Throttle Body Elbow to the flat side of the SRI Plenum. Torque all bolts to 5 Nm.



**Step 7** – Attach the SRI Runners to the SRI Plenum as pictured below. The orientation is important!



**Step 8** – Lubricating the six o-rings on the plenum side of the SRI Runners will help with this step. Secure the SRI Runners to the SRI Plenum using the twenty-four M4 x 12mm hex bolts with Blue Loctite. Torque bolts to 5 Nm.



**Step 9** – Marvel at your work, while verifying that everything was installed in the correct orientation.



**Step 10** – For clearance at the coolant flange, the throttle body will need to be clearanced by 18mm and counter bored using the 25/64" drill bit to accept the supplied M6 x 25mm allen bolt, as pictured below. The supplied M6 x 50mm allen bolts are used for the remaining holes. The supplied RTV is used to form a gasket between the throttle body and SRI Throttle Body Elbow. The supplied M7 x 30mm hex bolts and M8 washers are used to attach the manifold to the cylinder head. The M12 plug and banjo fittings can be used as desired for manifold reference provisions on the SRI End Plate.



