



advanced FLOW engineering

Instruction Manual P/N: 46-39105

80mm Throttle Body for Dodge V6-3.6L Pentastar

Chrysler 300	2011-2023	Jeep Grand Cherokee	2011-2024
Dodge Charger	2011-2023	Jeep Wrangler JK	2012-2018
Dodge Challenger	2011-2023	Ram 1500	2013-2018
Dodge Durango	2011-2024	Ram 1500 Classic	2019-2023



Qty.	Part Description
1	80mm Throttle Body
1	Throttle Body Adaptor, 74mm to 80mm
1	Throttle Body Gasket
4	Flanged Screws
4	M6 x 1.0mm x 40mm Screws, Hex Head
4	M6 Washers
1	Cable Tie, Push Mount
1	Throttle Body Extension Harness

- Please read the entire instruction manual before proceeding.
- Ensure all components listed are present.
- For technical support please call 951-493-7185.
- Ensure you have all necessary tools before proceeding.
- Ensure that your vehicle is cooled off before proceeding.
- Retain factory parts for future use.

1. Disconnect the battery.
2. Remove the engine cover (if applicable).
3. Remove the air intake tube from the vehicle.
4. Disconnect the electrical connector from the factory throttle body.
5. Remove the four (4) screws retaining the throttle body.
6. Remove the factory throttle body.
7. Clean the gasket surface at the intake manifold and replace the gasket if necessary (not supplied).
8. Install the supplied aFe Throttle Body Adaptor onto the intake manifold using the four (4) supplied flange screws. Tighten to factory specifications (7nm or 62 in. lbs.).
9. Install the supplied aFe 80 mm Throttle Body and the supplied gasket onto the aFe Throttle Body Adaptor using the four (4) supplied M6 x 1.0mm x 40mm hex head screws and the four (4) supplied M6 washers. Tighten to factory specifications (7nm or 62 in. lbs.).
10. Install the supplied throttle body extension harness onto the factory wiring harness.
11. Connect the end of the throttle body extension harness to the aFe 80mm Throttle Body.
12. Insert the supplied push mount cable tie into the hole on the top of the aFe 80mm Throttle Body. Secure the extension harness to the aFe Throttle Body and trim the excess off the cable tie.
13. Install the air intake tube back into the vehicle.
14. Reinstall the engine cover (if applicable). *Note: Some of the foam under the cover may need to be cut in order for the aFe 80mm Throttle Body to clear the cover.*
15. Reconnect the battery.
16. Installation is now complete.

NOTE: Check all screws, clamps, and connectors are secure after 100-200 miles