

Installation Guidelines for 3.0L to 3.7L Mazda6 Throttle Body Conversion Kit

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1. After the engine has cooled for several hours, open the hood and remove the engine cover.
2. Unplug the MAF sensor and remove the main air intake coupling from the throttle body.
3. Push the release tab and unplug the throttle body wire harness from the throttle body.
4. Remove the 4 bolts holding the throttle body to the intake manifold.
5. Remove the throttle body and remove or cut the small coolant hoses connected to the throttle body.
(Note: Have a shop towel handy to soak up any dripping coolant liquid leaking from the hoses.)
6. Use the small nylon barb and 2 small hose clamps (supplied with kit) to join the 2 loose coolant hoses together.
7. Remove the throttle body wire harness from the harness tie down near the manifold. This will create some extra slack in the wiring harness needed to reach the plug position of the new throttle body.

Special thanks to 6Crew.com and 'The Great NY' for the original validation of this idea.

8. Attach the throttle body, gasket, and the 1/2" spacer to the manifold using the provided 6mm bolts. The throttle body will be oriented with the black plastic gear cover facing the front of the car. (See picture below.) The spacer will be oriented with the angled edges facing up. (Do not over-tighten the bolts. 4-5 Ft./Lbs only.)



9. Reconnect the main air intake coupling to the new throttle body coupling relocating the hose clamp to ensure an air-tight, leak-free coupling.
10. Reconnect the MAF sensor plug and re-check all connections.
11. Start the car and give the idle a few minutes to settle to a normal RPM for your car. (Typically around 700-900 RPM) If the idle speed cycles faster and slower, double check all the air connections for air and vacuum leaks.

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