



MAZDASPEED3 DOWNPIPE INSTALLATION INSTRUCTIONS

Thanks for purchasing the Stainless Works Downpipe for your MazdaSpeed3. We have gone to great pains to make sure that our exhaust systems fit and sound great. Please follow these steps to ensure that your installation goes as planned.

Downpipe Removal

1. Disconnect Battery.
2. Remove plastic inner cooler cover by removing the (2) 10 mm bolts at front of cover.
3. Remove inner cooler by removing the (3) 12mm nuts, clamps holding inlet and outlet hoses and vacuum line at front of cooler.
4. Remove heat shield at top of exhaust manifold.
5. Disconnect or remove O2 at top of down pipe.
6. Remove heat shield at top of down pipe.
7. Remove the (5) 14mm nuts holding downpipe flange to turbo.
8. Raise car.
9. Remove cross brace at downpipe mount: (4)14mm bolts and (1) 10 mm bolt.
10. Remove center tunnel brace: (8) 12 mm bolts.
11. Remove the 14 mm bolt and nuts holding 2nd converter at downpipe mount and remove that pipe.
12. Remove 2 bolts, holding downpipe bracket to engine block. Remove downpipe from turbo.
13. If replacing factory exhaust with SW 3" catback system, remove factory exhaust at this time.

Downpipe Installation

1. Apply a thick layer of red RTV high temperature silicon on downpipe and turbo flanges.
2. Using factory metal gasket, install downpipe with supplied bracket at top of flange using original nuts and studs. (It may be necessary to push downpipe upward in the tunnel while tightening flange bolts for better alignment.)
3. Reinstall original heat shield at top of downpipe by O2 bung using factory bolts.
4. Install upper and lower O2 sensor. Remove one of the factory supports from the upper O2 harness and fasten the other to the 10 mm bolt holding the heat shield to the firewall behind the downpipe.
5. Reinstall heat shield above exhaust manifold.
6. Reinstall inner cooler and cover.
7. At this time reconnect factory exhaust or install the Stainless Works catback system.
8. Reconnect Battery.
9. Be sure to have adequate clearance around all wires, hoses and lines. **If anything is in contact with the exhaust system, it will melt.** Make sure to have at least ½” of clearance and wrap any suspect areas with DEI thermal barrier wrap.
10. After double checking for clearance and making sure all lines, wires and hoses are secured, drive the car for 10-20 miles and re-check all clamps and clearances.