

Weistec M133ENGINE

Downpipe and Midpipe Installation Guide



 **WEISTEC|ENGINEERING**

- 2014+ CLA45 AMG
- 2014+ GLA45 AMG
- 2014+ A45 AMG

Manual P/N: 04-133-00031-5

Product P/N: 01-133-00902-9

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WEISTEC M133 Downpipe & Midpipe

Thank you for your purchase of the Weistec M133 Downpipe and Midpipe for the Mercedes 45 AMG 2.0L Motor. Please follow all directions, and keep a clean work space when commencing installation.



Tools Required

- Flat Head Screw Driver
- 1/4" Drive Ratchet
- 1/4" Drive 8mm socket
- 3/8" Drive Ratchet
- 6" Long 3/8" Drive Extension
- T-30 Torx Bit
- 13mm 6 point deep socket
- E-12 Torx Socket

1) Dissassembly

a) Underbody Panels

1. Lift vehicle. If using a jack, use jack stands
2. Use a 8mm socket to remove all the screws from the underbody panels



3. Remove underbody panels and store in a safe location. They will be reinstalled

b) Turbo Heat Shield

1. Remove 3 E-12 bolts from heat shield



2. Remove heat shield from turbo



c) Radiator Fan

1. Remove Airbox Duct



2. Remove pictured harness from fan shroud



3. Unplug Radiator Fan Harness and move it safely out of the way



4. Carefully remove Radiator Fan from vehicle by releasing the locking tabs and lifting the assembly out of the engine bay





d) Factory Downpipe Removal

1. **COVER RADIATOR WITH CARDBOARD** to protect it from damage while removing factory downpipe
2. Remove primary and secondary O2 sensors by unplugging their harnesses and using a 7/8" wrench



3. Loosen exhaust clamp shown below with an E-12 socket and slide clamp towards the flex section



4. Remove the two bolts holding the exhaust hanger bracket to the engine



5. Remove two bolts on the downpipe clamp with an E-12 socket



6. Remove downpipe clamp and store in a safe location. It will be reinstalled



7. Remove radiator mount locking pins by pulling them upwards



8. Rotate radiator mount locking tabs 90 degrees and pulling upward to



9. Remove the locking tabs. This allows the radiator to move further away from the engine, giving more room for the downpipe to be removed from the vehicle



10. **MAKE SURE RADIATOR IS COVERED WITH CARDBOARD** to protect it from damage while removing factory downpipe
11. Carefully remove downpipe from engine bay by lifting it upwards and rotating it as needed.



12. Loosen exhaust clamp shown below with an E-12 socket and slide clamp towards the rear of the vehicle



13. Remove factory midpipe by pulling it forward and out of the vehicle

2) Installation

a) Downpipe

1. Position midpipe in the installed location between the engine and subframe



2. Position downpipe in the installed location by feeding it up through the bottom of the vehicle. Loosely install downpipe clamp, making sure the clamp is installed so that the alignment tab is in the slot on the clamp half



3. Install downpipe hanger on Weistec Downpipe and bolt the bracket to the engine using the factory bolts



4. Loosely install Vband clamp onto Downpipe and Midpipe connection



5. Loosely install OEM exhaust clamp onto Weistec Midpipe and factory catback exhaust connection



6. Position Weistec Midpipe so that it has maximum clearance on all sides. Take care with positioning as if it is not done properly, it can result in rubbing or vibration. It helps to push the bottom of the downpipe towards the rear of the car while performing the next step.
7. Tighten Vband clamp using a 13mm deep 6point socket



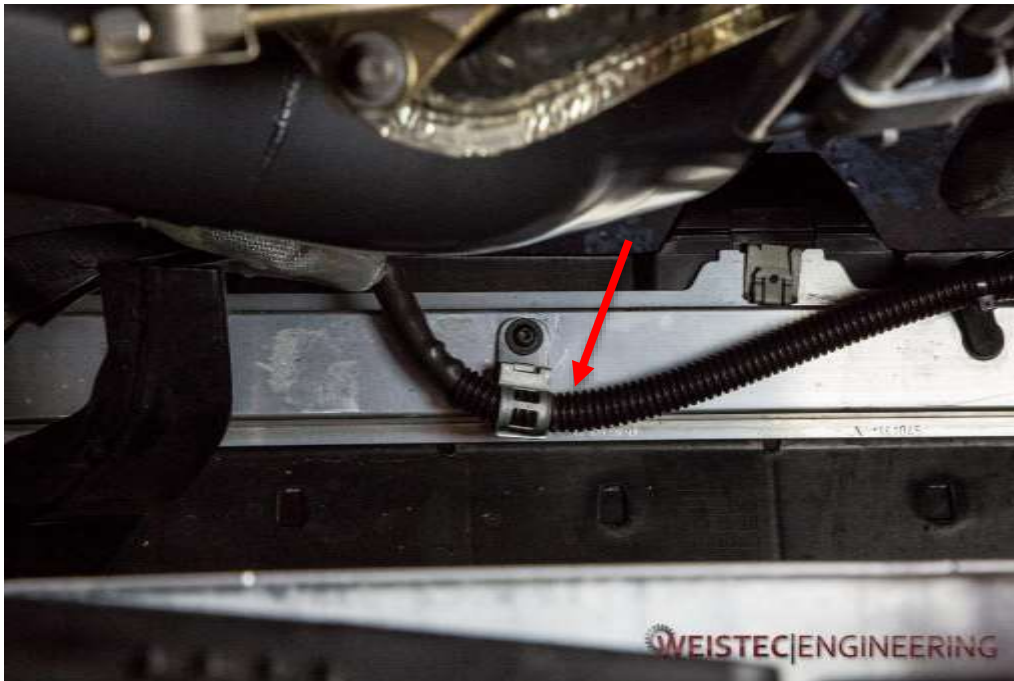
8. Tighten OEM exhaust clamp



9. Tighten downpipe clamp



10. Double check there is proper clearance around the Weistec Midpipe
11. Reinstall Primary and Secondary O2 sensors into Weistec Downpipe. Be sure to use antiseize on the threads
12. Re-route the electrical harness as shown below to move it further away from the downpipe



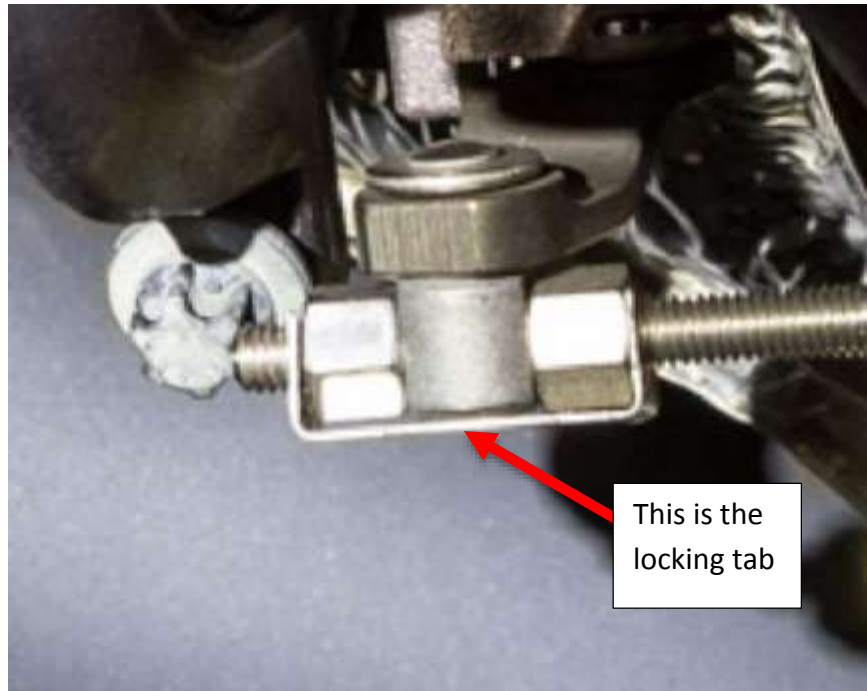
b) Radiator Fan

1. Remove cardboard from radiator
2. Reinstall radiator locking pins
3. Lower radiator fan into place, making sure that it fits properly into all guiding and locking tabs
4. Plug in radiator fan harness
5. Make sure all harnesses are properly routed and secured
6. Re install intake air duct

c) Weistec OEM Turbo Heat Shield

1. Locate locking tab on the wastegate arm and make sure that it is facing downward and pressed flush against the nuts on the wastegate arm. It may be necessary to pry the locking tab off with a flat head screwdriver and reinstall it in the proper orientation. **If this step is not performed, it**

could result in a rattle or scratching sound caused by the locking tab touching the Weistec OEM Turbo Heat Shield



2. Position Weistec OEM Turbo Heat Shield over turbine housing and bolt it on using the included 3 hex head bolts as shown below. Use antiseize on the threads. Torque to 10ft-lbs. Be sure to wipe away any grease, smudges, or fingerprints from the heat shield before starting the vehicle.



d) Underbody Panels

4. Start vehicle and check for exhaust leaks, If there are leaks, check and make sure all clamps are properly tightened
5. Position underbody panels on the vehicle
6. Use a 8mm socket to screw in all the screws on the underbody panels
7. Remove any jackstands and lower the vehicle onto the ground
8. Installation is complete

NOTES: