

INSTALLATION INSTRUCTIONS



MAKE: Fiat
MODEL: Spider 124
YEAR: 2017-2018
ENGINE: I4-1.4L (t)

**Turbocharger (GT Series)
 46-60212**

	<p>Parts Included:</p> <ul style="list-style-type: none"> Turbocharger Oil Injector Oil return gasket M8 Stud M6 Stud Oil supply line banjo washer Water supply line banjo washer Water return line banjo washer 	<p>Qty.</p> <ul style="list-style-type: none"> 1 1 1 5 1 2 2 2
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CAUTION: Allow time for your vehicle to cool down prior to installation. When working on your vehicle proceed with caution. Wear protective safety equipment; eye goggles and gloves ensure a safe installation. **aFe recommends professional installation on this product. Thoroughly inspect the aFe turbocharger to make sure there is no damage from shipping (if damage is noted, immediately contact aFe customer service).**

aFe recommends professional installation on this product.

1. Disconnect the battery.
2. Remove the air intake system.
3. Disconnect the wastegate hose.
4. Disconnect the vacuum hose attached to the turbocharger compressor housing.
5. Disconnect the electrical connector and the clips that retain the upper O₂ sensor wire.
6. Drain the coolant from the radiator.
7. Disconnect the coolant hoses attached to the coolant reservoir.
8. Remove the coolant reservoir.

NOTE: If your car has a strut brace over the turbo it will need to be removed prior to the next steps.

9. Remove the turbocharger brace.
10. Remove the heat shield from the turbocharger.
11. Loosen the V-band clamp on the turbocharger to the downpipe. Do not remove the V-band clamp.
12. Disconnect the electrical connector and the clips that retain the lower O₂ sensor wire.

NOTE: The transmission cooler lines may not be in the car. Please skip step 13 if no cooler lines are connected in the car.

NOTE: Please use penetrating oil while removing exhaust hardware.

13. Remove the bolts that secure the transmission cooler lines to the transmission pan. Do not disconnect the transmission cooler lines.
14. Remove the exhaust cross-over pipe.
15. Remove the bracket that attaches the downpipe to the engine block.
16. Remove the V-band clamp on the turbocharger to the downpipe.
17. Remove the downpipe from the car through the top of the engine bay.
18. Disconnect the electrical connector on the blow off valve.
19. Disconnect the driver's side boost tube.
20. Disconnect the water supply and the water return connections on the turbocharger.
21. Disconnect the oil supply connection.

NOTE: Please read next instruction carefully.

22. Remove the bolt that is furthest from the engine on the oil return tube. Loosen but do not remove the bolt that is closest to the engine. The oil drain tube should slide out from below the turbo by pulling on it towards the driver side fender. Remove the remaining bolt and retain the hardware for reinstallation.
23. Remove the heat shield from the exhaust manifold.
24. Remove the exhaust manifold.
25. Remove the turbocharger.
26. Remove the blow off valve from the turbocharger.

NOTE: aFe recommends the replacement of all the gaskets disassembled prior to installation.

NOTE: Lubricate the aFe turbocharger with the supplied oil injector prior to assembly.

27. Install the blow off valve onto the supplied turbocharger and tighten the bolts.
28. Install the supplied (4) M8 studs into the turbocharger at the exhaust connection and tighten.
29. Install the turbocharger to the exhaust manifold and tighten (new gasket recommended).
30. Install the exhaust manifold to the cylinder head and tighten (new gasket recommended).
31. Reinstall the heat shield to the exhaust manifold.
32. Reconnect the oil return line using the supplied gasket.
33. Reconnect the water supply and the water return lines using the supplied banjo washers.
34. Reconnect the oil supply line using the supplied banjo washers.
35. Reconnect the driver's side boost tube and tighten.
36. Reconnect the blow off valve electrical connector.

NOTE: Applying a little grease to the V-band clamp will help the clamp to tighten properly.

37. Reinstall the V-Band clamp over the turbo.
38. Install the down pipe and connect to the turbo using the V-band clamp. Do not fully tighten the V-band clamp. (new gasket recommended).
39. Install the brackets that attach the downpipe to the engine block. Tighten the bolts that attach to the downpipe first. Then tighten the nuts that tighten to the engine block.
40. Install the exhaust crossover pipe. Start all the connecting hardware on both sides. Tightening the downpipe connection first. Then tighten the tail pipe to the crossover pipe (new gasket recommended).

NOTE: The transmission cooler lines may not be in the car. Please skip step 40 if no cooler lines are connected in the car.

41. Reinstall the bolts that secure the transmission cooler lines to the transmission pan.
42. Reconnect the lower O₂ electrical connector and reattach all the retaining clips and nut.
43. Tighten the V-band clamp on the turbocharger.
44. Install the supplied M6 stud in the side of the turbocharger and tighten.
45. Reinstall the heat shield over the turbocharger.
46. Install the supplied M8 stud to the top of the turbocharger and tighten.

NOTE: If your car had the strut brace over the turbo it will need to be reinstalled now.

47. Reinstall the turbocharger brace and tighten.
48. Reinstall the coolant reservoir.
49. Reconnect the coolant hoses back to the coolant reservoir.
50. Reconnect the upper O₂ electrical connector and reattach all the retaining clips and nut.
51. Reconnect the vacuum hose attached to the turbocharger compressor housing.
52. Reconnect the wastegate vacuum hose.
53. Reinstall the air intake system.
54. Fill the coolant system.
55. Reconnect the battery.
56. Your installation is now complete. Start the vehicle and verify again that all connections are secure and that there are no leaks. Let idle for 5-15 mins. to allow the aFe turbocharger to properly lubricate before driving.

Gaskets needed:

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| • Gasket; Exhaust Manifold | 68320857AA |
| • Gasket; Turbocharger | 04893382AA |
| • Gasket; Export. Exhaust [X87], to turbo. | 68096257AA |
| • Gasket; Catalytic Converter | 68267769AB |
| • Gasket; Exhaust | 68314005AA |