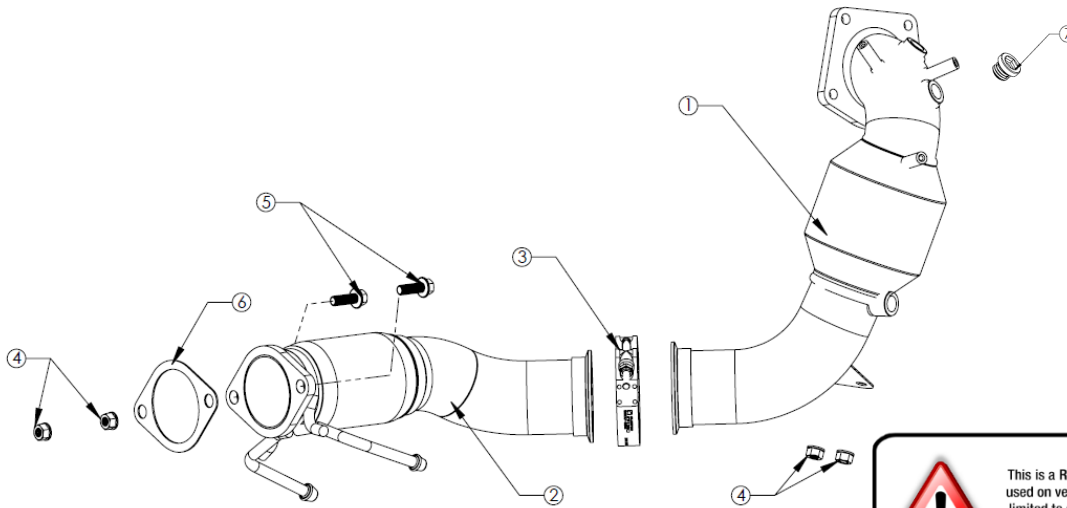




INSTALLATION INSTRUCTIONS

MAKE: Hyundai
MODEL: Veloster N | I30 N
YEAR: 2019-2021
ENGINE: L4-2.0L (t)

Twisted Steel Down Pipe
48-37005-HC



RACE ONLY DISCLAIMER

This is a Race Only product that is to be used solely for competition, it cannot be used on vehicles that are operated on public streets, roads or highways. Its use is limited to closed-course and open-course racing that is formally sanctioned by a recognized racing organization. Any other use, including recreational off-road use, could be in violation of local, state and federal laws. A competition acknowledgement / liability release form must be filled out and submitted.

Item	Description	Part Number	Quantity
1	Down Pipe	05-145845	1
2	Flex Pipe Assembly	05-145846	1
3	Clamp, V-Band (2-2/3"-3")	05-41588	1
4	Nut, Hex Flanged, M10 x 1.5	03-50383	4
5	Screw, Flange Hd Cap, M10 x 1.5 x 30MM	03-50493	2
6	Gasket, Flange: 49-37006	05-46400	1
7	Bung, O2 Plug	05-46018	1

aFe POWER recommends professional installation on this product. Thoroughly inspect the aFe POWER exhaust system to make sure there is no damage from shipping (if damage is noted, immediately contact aFe POWER customer service). 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 to ensure a safe installation.

Install band clamps to proper torque specifications of 40-45 ft-lb.





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Twisted Steel Down Pipe

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1. **(Read instructions prior to installation.)** It is recommended to not fully tighten the exhaust until it has been fully installed. Leave loose for adjustability.
2. Secure vehicle on jack stands (refer to your manual for specified jack stand positions).
3. For faster installation, spread out the parts of the downpipe alongside your vehicle as shown in the diagram above.
4. Secure the stock exhaust with jack/stands.
5. Loosen the (x2) 19mm nuts securing the muffler assembly to the OE mid-pipe.
6. Unplug the valve motor connector and put it to the side as not to damage the connector.
7. Remove the (x3) isolation mounts on the muffler assembly using hanger pliers or a pry bar and remove the OE muffler assembly.
8. Loosen the (x2) 19mm nuts securing the mid-pipe to the downpipe.
9. Remove the (x1) isolation mount on the mid-pipe using hanger pliers or a pry bar and remove the OE mid-pipe.
10. Loosen the (x2) 19mm nuts securing the OE flex pipe assembly to the OE down pipe.
11. Remove the (x2) isolation mounts on the OE flex pipe assembly using hanger pliers or a pry bar.
12. Remove the series of 10mm bolts and clips to remove the OE splash guard.
13. Loosen the (x2) 14mm bolts on the OE down pipe bracket from underneath the vehicle.
14. In the engine bay, unplug the (x2) O2 sensors that are located on the OE down pipe.
15. Loosen the top O2 sensor with an O2 sensor socket or wrench.
16. Unclip the O2 sensor wire from its bracket and mark it as to not install in the incorrect location.
17. Loosen the (x1) 10mm bolt securing the O2 sensor bracket to the engine.
18. Remove O2 sensor and the O2 sensor bracket.
19. Loosen the (x3) 10mm bolts securing the OE heatshield to the OE down pipe.
20. Remove the OE heatshield.
21. Remove the secondary O2 sensor located on the side of the OE down pipe using a stubby O2 sensor socket.
22. Loosen the (x4) 15mm nuts securing the OE down pipe to the turbo housing.
23. Remove the OE down pipe by slowly sliding it down the center tunnel.
24. Carefully remove the OE gasket from the turbo housing.
25. Install the aFe POWER down pipe by sliding it up the center tunnel and near the turbo housing.
26. Install the OE gasket on the turbo housing and slide the aFe POWER down pipe onto the turbo housing.
27. Hand tighten the (x4) 15mm nuts onto the aFe POWER down pipe.
28. Underneath the vehicle, hand tighten the aFe POWER down pipe bracket to the engine block using the (x2) OE 14mm bolts and the supplied (x2) 15mm nuts.
29. Now, fully tighten the (x4) 15mm nuts on the aFe POWER down pipe.
30. Fully tighten the (x2) 14mm bolts and (x2) 15mm nuts on the aFe POWER down pipe bracket.
31. Using the (x3) OE 10mm bolts secure the OE heatshield to the aFe POWER down pipe. **See reference image 1.**
32. Re-install both O2 sensors onto the aFe POWER down pipe.
33. Install the aFe POWER Flex Pipe Assembly using the provided V-Band clamp, but do not fully tighten.
34. Slide the hanger rods on the aFe POWER Flex Pipe Assembly onto the OE isolation mounts.
35. Once the aFe POWER Flex Pipe Assembly fits to your liking, go ahead and tighten down the V-Band clamp.
36. Install the OE mid-pipe using the provided gasket and hardware.
37. Install the OE muffler assembly using the OE gasket and (x2) 19mm nuts.
38. Re-connect the valve motor.
39. Re-install the OE splash guard.
40. Ensure that all the components of the aFe POWER Twisted Steel Down Pipe are aligned and are at a safe clearance from all wires, hoses, brake lines, body parts, and tires.
41. Start the vehicle and check for any leaks. If any leaks are found, determine cause and repair as necessary.
42. Remove vehicle from jack stands.
43. It is recommended to re-tighten all clamps and hardware after 50-100 miles.