



advanced FLOW engineering

Instruction Manual P/N: 46-20288-B

Make: **Nissan** Model: **Titan XD** Year: **2016-2017** Engine: **V8-5.0L (td) Cummins**



- Please read the entire instruction manual before proceeding.
- Ensure all components listed are present.
- Ensure you have all necessary tools before proceeding.
- Do not attempt to work on your vehicle when the engine is hot.
- Disconnect the negative battery terminal before proceeding.
- Retain factory parts for future use.

Label	Qty.	Description	Part Number
A	1	Tube, Hot Side	05-60733B
B	1	Tube, Adapter	05-60734B
C	1	Coupling, Silicone Hump	05-60439
D	1	Coupling, Silicone Elbow	05-60432
E	1	O-Ring	03-50559
F	3	Clamp, Spring Loaded T-Bolt: 2.85"	05-60039
G	1	Clamp, Spring Loaded T-Bolt: 3.25"	03-50530
H	1	Plug, Hex Hd Socket: 1/8" NPT	03-50029

Tools Needed: 3/16 Allen wrench, thread sealant, 10mm socket, 11mm deep socket, extension and ratchet.

Note: Legal in California for use on race vehicles only. The use of this device on vehicles used on public streets or highways is strictly prohibited in California and others states that have adopted California emission regulations.



**Figure A****Refer to Figure A for Steps 1-3**

Step 1: Park vehicle on level ground and engage the parking brake.

Step 2: Disconnect the negative battery cable from both batteries.

Step 3: Open the hood and locate the hot side intercooler tube, it will be on the driver side of the vehicle.



Figure B

Refer to Figure B for Steps 4-5

Step 4: Loosen the clamps securing the tube onto the turbo inlet and the intercooler using a 11mm socket.

Step 5: Remove the intercooler tube from the vehicle.

**Figure C****Refer to Figure C for Steps 6-9**

Step 6: Now you will be removing the turbo outlet tube from the turbo.

Step 7: Disconnect the vacuum line that is near the turbo outlet tube to make removal a little bit easier.

Step 8: Remove the two bolts securing the turbo inlet tube to the turbo using a 10mm socket and an extension, then remove it from the vehicle.

Step 9: Now you can start the assembly of the aFe intercooler tube.



Figure D

Refer to Figure D for Steps 10-12

Step 10: If you are not using any aftermarket sensors, install the 1/8" plug into the aFe intercooler tube using a 3/16" Allen wrench.

NOTE: Be sure to use thread sealant on the plug to prevent any leaking.

Step 11: Install the supplied O-ring onto the aFe turbo outlet tube like the factory one was and install it into the vehicle using the factory bolts and the 10mm socket.

Step 12: Install the hump coupling onto the turbo inlet tube with one of the smaller clamps that was supplied.

**Figure E****Refer to Figure E for Steps 13-18**

- Step 13: Install the angled reducing coupling onto the larger end of the aFe tube with one of the larger clamps but do not tighten it yet.
- Step 14: Place one of the smaller clamps onto the intercooler inlet and the last clamp onto the end of the smaller side of the intercooler tube.
- Step 15: Install the hot side tube into the vehicle, first connect the angled coupling to the intercooler then connect the tube to the turbo inlet tube coupling.
- Step 16: Reconnect the vacuum line from Step 7.
- Step 17: Adjust couplings so that everything is mated properly and the tube is not touching anything.
- Step 18: Tighten all four of the clamps using a 11mm socket. Install is now complete!



SCORCHER GT Module



P/N: 77-46101

Momentum HD Intake



P/N: 50-76105 (P10R)
51-76105 (PDS)

Dynamic Air Scoop



P/N: 54-76105-S

OE Replacement Filter



P/N: 30-10269 (P5R)
31-10269 (PDS)

Intrcooler



P/N: 46-20281

Hot-Side Intrcooler Tube



P/N: 46-20289-B

Rear Differential Cover



P/N: 46-70362 (Blk./Mach.)
46-70360 (RAW)

DPF-Back Exhaust



P/N: 49-06112-B (Blk Tip)
49-06112-P (Pol Tip)