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.**
- **If you are missing any of the components, call customer support at 951-493-7100.**
- **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.

A
B
C
D
E
F
G
H

Figure A

Refer to Figure A for Steps 1-3

Step 1: Park vehicle on lever 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 11nn socket. Install is now complete!

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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)

To purchase any of the items above, view airflow charts, dyno graphs, photos, and video; please go to aFepower.com.

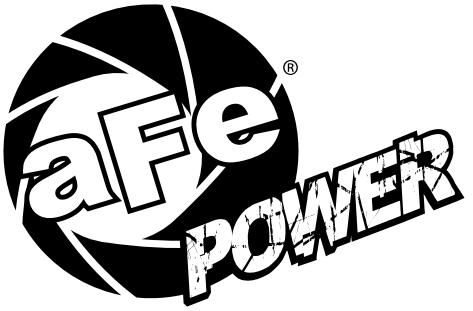
Warranty

General Terms:

- aFe warrants their products to be free from manufacturer's defects due to workmanship and material.
- This warranty applies only to the original purchaser of the product and is nontransferable.
- Proof of purchase of the aFe product is required for all warranty claims.
- Warranty is valid provided aFe instructions for installation and/or cleaning were properly followed.
- Proper maintenance with regular inspections of product is required to insure warranty coverage.
- Damage due to improper installation, abuse, unauthorized repair or alteration is not warranted.
- Incidental or consequential damages or cost, including installation and removal of part, incurred due to failure of aFe product is not covered under this warranty.
- All warranty is limited to the repair and/or replacement of the aFe part. To request Return Goods Authorization ("RGA"), email RGA@afepower.com or call (951)493-7100. Upon receipt of the RGA, you must return the product to the address provided in the RGA, freight prepaid and accompanied with a dated proof of purchase and the RGA. Upon receipt of the defective product and upon verification of proof of purchase, aFe will either repair or replace the defective product within a reasonable time, not to exceed thirty days.

Product Category	P/N Prefix	Warranty duration
Direct OE Replacement Filters	10, 11, 30, 31, 71, 73	Life of the vehicle
Racing Filters	18	1 year
Universal	21, 24, 72	2 years
Air Intake Systems	50, 51, 54, 55, 75	2 years
Exhaust Systems	49	2 years
Intercoolers & Intercooler Tubes	46-2	2 years
Intake Manifolds	46-1	2 years
Differential Cover	46-7	Life of the vehicle
Exhaust Manifolds	46	2 years
Throttle Body Spacers	46-3	2 years
Fluid Filters	44	90 days
Pre-Filters	28	2 years
Heavy Duty OE Replacement	70	2 years
PowerSports OE Replacement	81, 87	2 years
PowerSports Intake Systems	85	2 years

No other warranty expressed or implied applies nor is any person or advanced FLOW engineering authorized to assume any other warranty. Some States do not allow the exclusion or limitation of incidental or consequential damages or do not allow limitations on how long an implied warranty lasts, so the above limitations or exclusions may not apply to you. This warranty gives you specific legal rights, and you may also have other rights which vary from State to State.



advanced FLOW engineering, inc.
252 Granite Street Corona, CA 92879
TEL: 951.493.7155 • TECH: 951.493.7100
E-Mail:Tech@aFepower.com

P/N: 06-80987