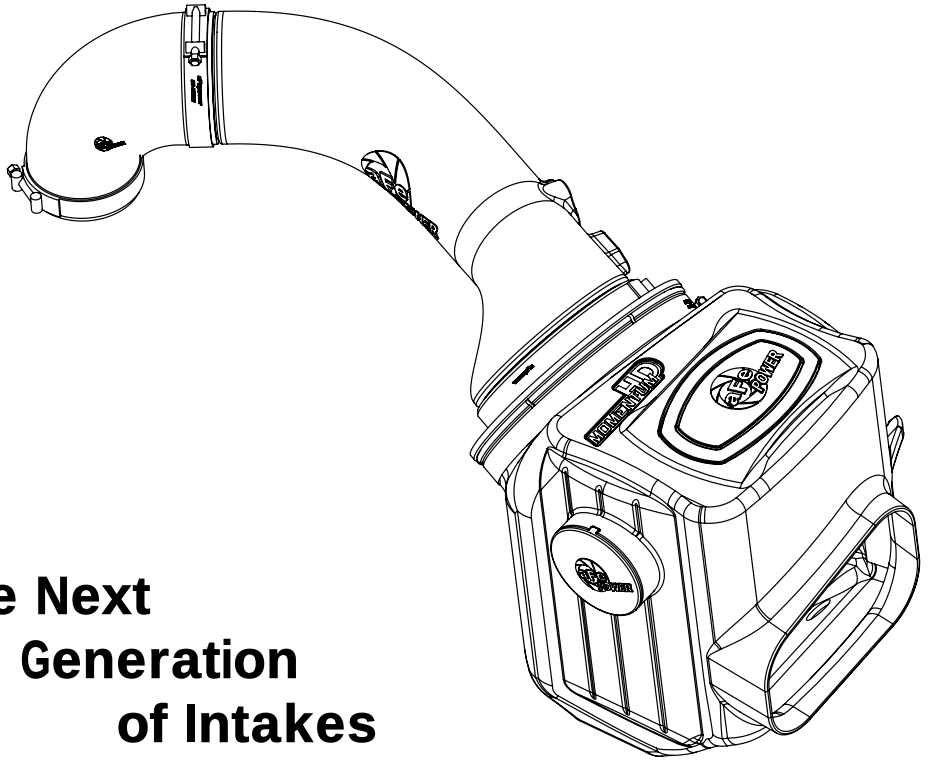
# MOMENTUM HD



**The Next Generation of Intakes**

**advanced FLOW engineering**

**Instruction Manual** P/N: 50-76105 / 51-76105 Momentum Air Intake

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 technical support at 951-493-7100 or e-mail tech@afepower.com.**
- **Ensure you have all necessary tools before proceeding.**
- **Do not attempt to work on your vehicle when the engine is hot.**
- **Disconnect both the negative battery terminal before proceeding.**

# Retain factory parts for future use.

| Label | Qty. | Description | Part Number |
|---|---|---|---|
| A1 | 1 | Pro 10R (Blue Media) | 20-91059 |
| A2 | 1 | Pro DRY S (Gray Media) | 21-91059 |
| B | 1 | Tube | 05-76105B1 |
| C | 1 | Housing | 05-76105B2 |
| D | 1 | Plug, Urethane | 05-01361 |
| E | 1 | Coupling, Silicone Elbow | 05-01402 |
| F | 1 | Clamp, T-bolt (8-5/16"-8-5/8") | 03-50267 |
| G | 1 | Clamp, T-bolt (3-9/16"-3-7/8") | 03-50498 |
| H | 1 | Clamp, T-bolt (4-1/16"-4-3/8") | 03-50262 |
| I | 3 | Screw, Torx: M4 x .7 x 8mm | 03-50490 |

Installation will require the following tools:
10mm, 7/16" nut driver or socket, T15 driver, pliers and wrench.

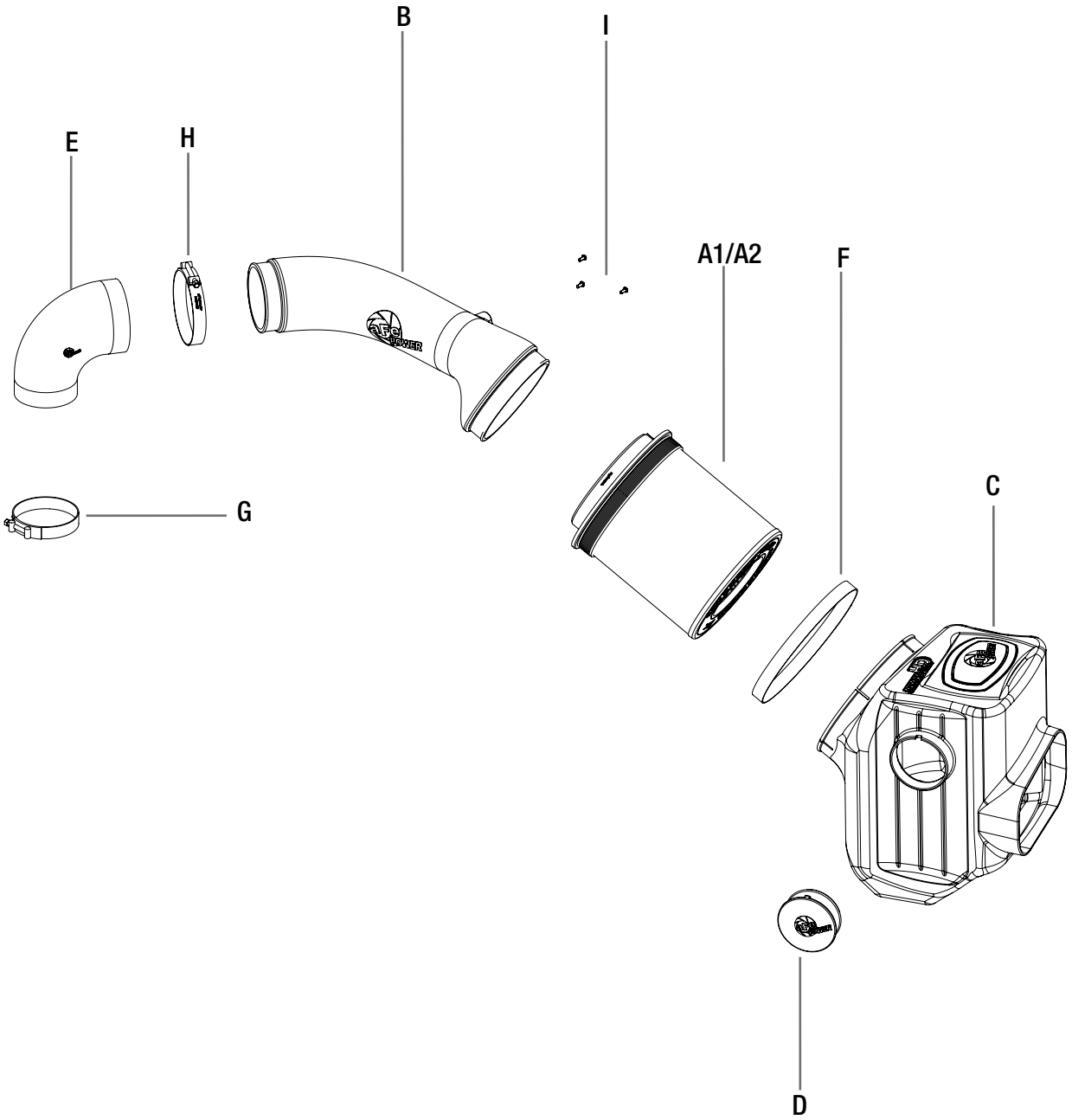

B
I
E
H
A1/A2
F
G
C
D

Figure A

## Refer to Figure A for Steps 1-4

Step 1: Disconnect the Mass Air Flow (MAF) sensor and the temperature sensor harnesses.

Step 2: Loosen the clamp on the factory intake tube to the turbo inlet.

Step 3: Remove the two spring clip connecting the top to the bottom of the factory housing. Then pull the tube and top of the housing outside of the vehicle.

Step 4: Remove the flat panel air filter.

Figure B

## Refer to Figure B for Steps 5-6

Step 5: Remove the 10mm bolt securing the bottom of the housing to the truck. The bolt is located on the firewall side. This bolt will be re-used.

Step 6: Pull the bottom of the factory housing out of the vehicle. Also remove the factory intake duct going into the side fender.

## Refer to Figure C for Steps 7-8

Step 7: Transfer the 3 rubber isolation mounts from the bottom of the factory housing to the aFe housing.

Step 8: Install the big clamp on the aFe housing. Do not tighten yet.

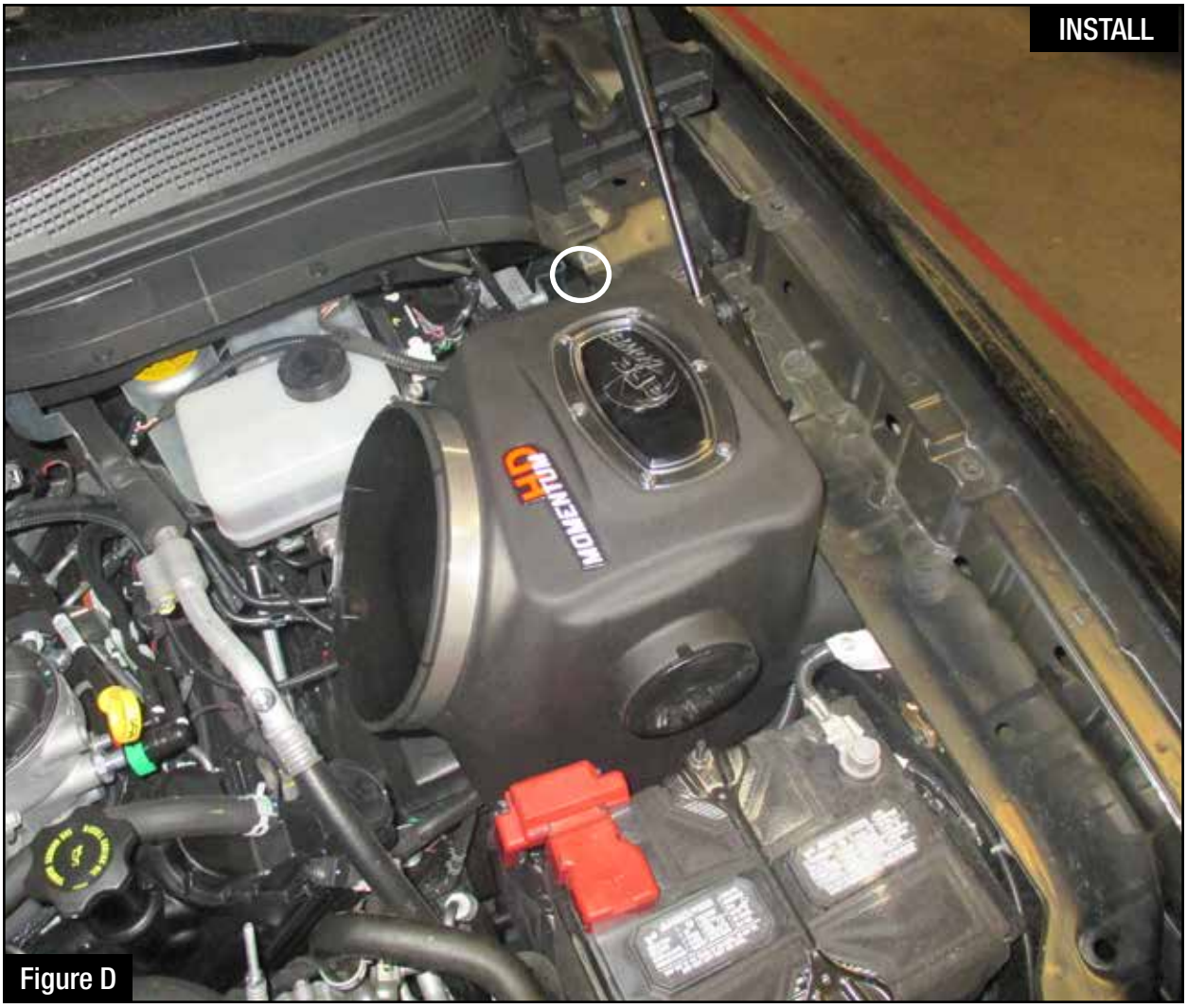



Figure D

## Refer to Figure D for Steps 9-10

Step 9: Install the aFe housing inside the vehicle. Firmly push the housing into the two bottom studs.

**Note: It may help to use a small amount of lubricant in the inside of the rubber grommet.**

Step 10: Secure the housing using the factory bolt removed at Step 5.

Figure E

## Refer to Figure E for Step 11

Step 11: Insert the filter in the housing with the clamps installed. Do not tighten yet.

Figure F

## Refer to Figure F for Step 12

Step 12: Transfer the MAF sensor and the temperature sensor from the factory housing to the aFe tube. Secure them using the furnished M4 screws.

Figure G

## Refer to Figure G for Steps 13-15

Step 13: Install the 90 degrees coupling onto the turbo inlet of the truck. Install the clamps but do not tighten yet.

Step 14: Slide the aFe tube into the coupling then into the filter. Align the tube, coupling and filter then tighten all clamps.

Step 15: Re-connect the MAF sensor and temperature harnesses.

Figure H

## Refer to Figure H for Steps 16-18

Step 16: If you have purchased the aFe air scoop (P/N: 54-76105-S), install it referring to its install instruction sheet.

Step 17: If you don't have the air scoop, you have the option to close off the extra air inlet with the furnished plug or to keep it open.

- Without the plug installed, the aFe Power intake will capture the maximum air available. More airflow offers more power. Yet some of this air is picked up from inside the engine compartment and could be warmer air. Warmer air will affect the performance of the vehicle.
- The plug installed on the housing will block off any hot engine air entering the housing and make sure the coolest air available is directed into the engine. It will also reduce the noise of the intake.

Step 18: Verify all connection are secured. The installation is now completed.

**NOTE: Place enclosed CARB EO sticker on or near the intake system on a smooth/clean surface.**

**EO identification label is required to pass the smog test inspection.**

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Pro DRY S Air Filter

P/N: 21-91059

Pro 10R Air Filter

P/N: 20-91059

Pro-GUARD 7 Air Filter

P/N: 72-91059

Pro DRY S Restore Kit

P/N: 90-59999

Blue Squeeze Restore Kit

P/N: 90-50501

Gold Squeeze Restore Kit

P/N: 90-50500

Pre-Filter

P/N: 28-10273

Dynamic Air Scoop

P/N: 54-76105-S

SCORCHER HD Module

P/N: 77-46101

DPF-Back Exhaust System

P/N: 49-46113-B (Blk Tip)
49-46113-P (Pol Tip)

Intercooler w/ Tubes

P/N: 46-20282-B

Rear Differential Cover

P/N: 46-70362-WL (w/ Oil)
46-70360 (RAW)

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

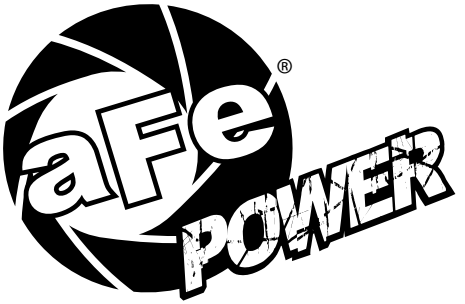
# Warranty

**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 non-transferrable.
- 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

P/N: 06-80895