



**advanced FLOW engineering**

**Instruction Manual** P/N: 77-52001

Make: **Dodge** Model: **RAM 2500/3500** Year: **2005-2007** Engine: **L6-5.9L (td) Cummins**  
Transmission: **48RE**



- 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.
- 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	Module	77-52001
B	2	Velcro (2" inches)	05-01244
C	6	Cable Ties	05-60167

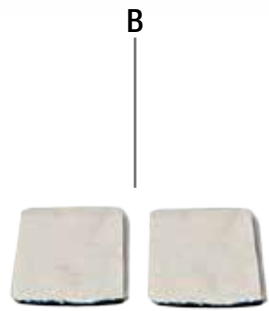
Note: Legal in California for use on race vehicles only. The use of this device on vehicles used on public streets or highways is strictly prohibited in California and others states that have adopted California emission regulations.



A



C



B

**Figure A****Refer to Figure A for Step 1.**

Step 1: Mount the module in a safe location, such as on top of the fuse box, using the provided Velcro strips. Then run the harness down towards the transmission, staying away from any extreme heat or moving parts.



Figure B

**Refer to Figure B for Step 2.**

Step 2: Locate the TTVA. It is on the driver side of the transmission.



Figure C

**Refer to Figures C for Step 3.**

Step 3: Disconnect the stock harness from the TTVA connector.

**NOTE:** There is a red locking tab on the connector that must be slid down before the connector will release.



Figure D

**Refer to Figure D for Steps 4-5.**

Step 4: Connect the male end of the aFe harness to the female TTVA connector, and the female end of the aFe harness to the stock harness male connector.

Step 5: Secure the harness away from heat and moving parts using the provided ties.

**NOTE: Make sure connector is fully engaged. Usually, connectors make a snapping sound when fully engaged.**

**Figure E****Refer to Figure E for Step 6.**

Step 6: The LED represents which setting the module is in.

- No Light: OFF
- Yellow: Stage 1
- Red: Stage 2

Thank you for choosing aFe POWER!





**Intercooler**



P/N: 46-20011

**Rear Differential Cover**



P/N: 46-70012-WL (w/ Oil)  
46-70012 (Blk)  
46-70010 (RAW)

**Turbocharger**



P/N: 46-60050

**Air Intake System**



P/N: 50-72002 (P10R)  
51-72002 (PG7)

**Transmission Pan**



P/N: 46-70052 (Machined)  
46-70051 (All Black)

**Exhaust System**



P/N: 49-42002 (Pol. Tip)  
49-12002 (No Tip)

**Intake Manifold w/  
I/C Tube**



P/N: 46-11011

**Race Exhaust System**



P/N: 49-02007NM  
(No Muffler & Tip)

**Intercooler Tubes**



P/N: 46-20014

**OER Air Filter**



P/N: 30-10102 (P5R)  
31-10102 (PDS)  
73-10102 (PG7)

**DFS780 Fuel Pump**



P/N: 42-12021

**Fuel Filter**



P/N: 44-FF010