

advanced FLOW engineering

Instruction Manual P/N: 46-20301

Make: **BMW** Model: **328d/dx (F30/F31)** Year: **2014-2017** Engine: **L4-2.0L (td) N47**

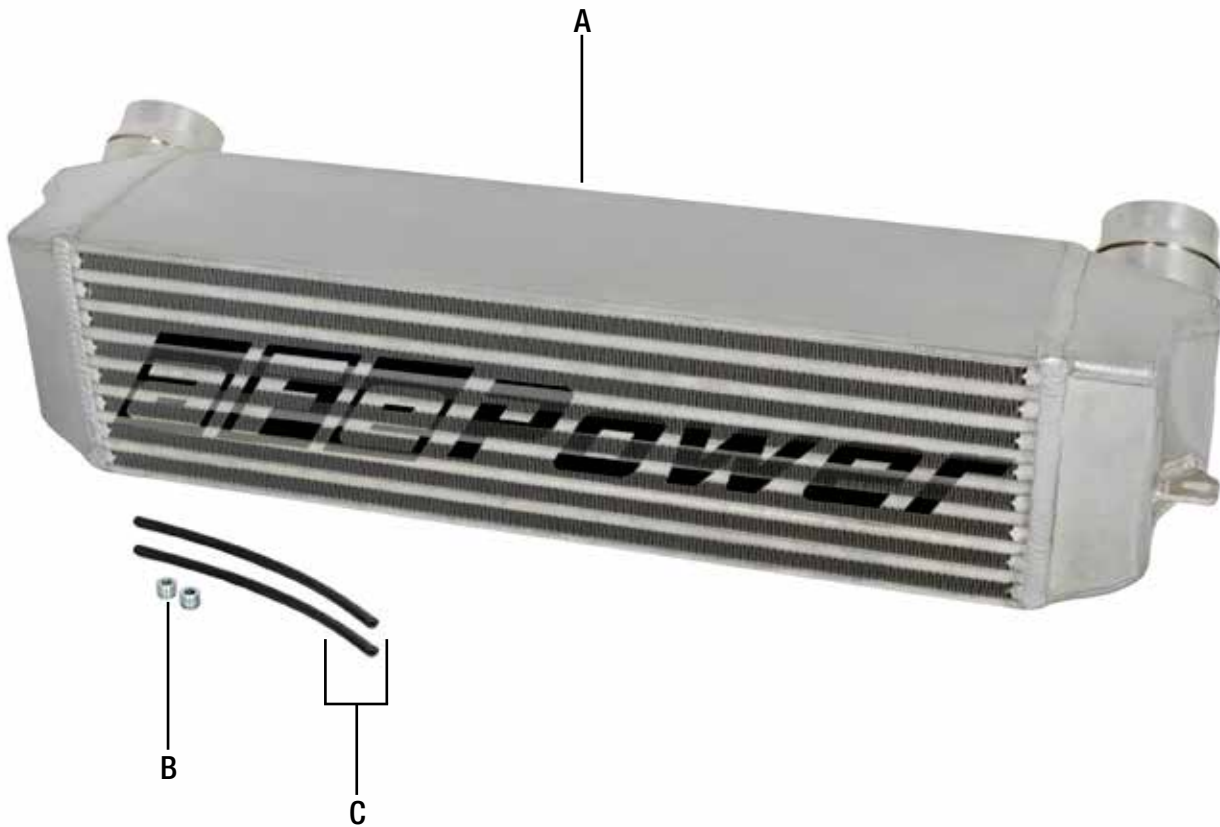


- Please read the entire instruction manual before proceeding.
- Ensure all components listed are present.
- If you are missing any of the components, call customer support at 951-493-7100.
- Ensure you have all necessary tools before proceeding.
- Do not attempt to work on your vehicle when the engine is hot.
- Disconnect the negative battery terminal before proceeding.
- Retain factory parts for future use.

Label	Qty.	Description	Part Number
A	1	Intercooler	A5-60726
B	2	Plug, Hex Hd Socket: 1/8" NPT	03-50029
C	2	Trim, Rubber Edge: 1/16" (6" in.)	05-00149

Tools Needed: 3/16" Allen wrench, 8 mm socket or nut drivers, T25 Torx socket or driver, flat head screwdriver, ratchet, grease and thread sealant.

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.





REMOVAL

Figure A

Refer to Figure A for Steps 1-4

- Step 1: Park the vehicle on level ground and engage the parking brake.
- Step 2: Lift the front vehicle at the appropriate lifting point and place jack stands underneath the vehicle in the proper locations.
- Step 3: Remove the belly pan from the vehicle using an 8mm socket.
- Step 4: Now the intercooler and tubes are accessible.



Figure B

Refer to Figure B for Steps 5-7

Step 5: Use a screwdriver to lift the clip up on both sides of the driver side intercooler hose. Make sure the clip is fully disengaged from the groove.

Step 6: Slide the driver side intercooler hose off of the intercooler.

Step 7: Refer to steps 5 & 6 for the passenger side intercooler hose removal.



Figure C



REMOVAL

Refer to Figure C for Steps 8-9

Step 8: Remove the screws that secure the intercooler to the vehicle, underneath the intercooler inlet and outlet, by removing the two mounting screws on each side of the intercooler, using a T25 Torx socket.

Step 9: You can now remove the intercooler from the vehicle by unhooking it from the plastic mounts and pulling it down.



Figure D

Refer to Figure D for Steps 10-12

Step 10: Install the supplied plugs into the auxiliary sensor ports on the aFe intercooler, using an Allen wrench.

NOTE: Seal the threads using Teflon tape or some type of thread sealant.

Step 11: Install the two supplied pieces of trim seal onto each side of the fan shroud where it will meet the intercooler.

Step 12: Install the aFe intercooler the same way the factory intercooler was using the factory T25 Torx screws and tighten.

**Figure E****Refer to Figure E for Steps 13-15**

Step 13: Reconnect the intercooler hoses to the intercooler.

Step 14: Be sure that the clips on both hoses snap all the way into the grooves on the intercooler.

Step 15: Install belly pan from Step 3.



Install is now complete. Thank you for choosing aFe Power. Enjoy!



SCORCHER GT Module



P/N: 77-46320

Cold Air Intake System



P/N: 51-76307 (PDS)
54-76307 (P5R)

Dynamic Air Scoop



P/N: 54-12218 (Black)
54-12218-C (C/F)
54-12218-L (Blue)
54-12218-R (Red)

OE Replacement Filter



P/N: 30-10225 (P5R)
31-10225 (PDS)

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

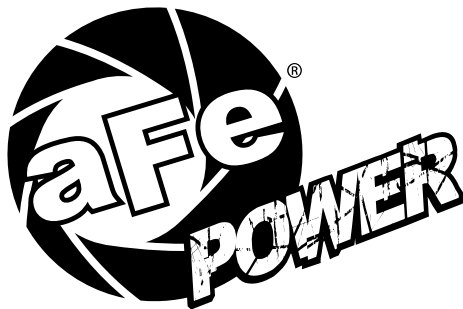
Warranty

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.



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