

Kit Number 57A-6042

K&N Apollo Closed Intake System (CIS) BMW 320d E90/E91 2.0D 163bhp Jan'05...

Instruction sheet A2054-776

APOLLO CIS

1. Disconnect the negative terminal from the vehicle battery.
2. Unclip & remove the rain sensor & bonnet push switch from the bulkhead cover. (Fig. 1&2)
3. Unclip & remove the plastic covers from either side of the bulkhead cover. (Fig. 3&4)
4. Unscrew & remove the pollen filter housing from the bulkhead cover. (Fig. 5)
5. Unclip the harness trim from the bulkhead cover. (Fig. 6)
6. Unbolt & remove the bulkhead cover from the vehicle. (Fig. 7)
7. Unbolt & remove the engine cover. (Fig. 8)
8. Remove the round plastic blanking cover from the scuttle cover. Unbolt & remove the left hand strut brace. (Fig. 9&10)
9. Unclip & remove the air box feed pipe from between the air box & slam panel. (Fig.11)
10. Unbolt & remove the upper air box assembly from the side of the engine. (Fig.12)
11. Remove the air filter from the lower air box assembly / manifold. (Fig.13)
12. Unscrew & remove the air box feed assembly from the slam panel as shown. (Fig.14&15)
13. Unbolt the PAS (Power Assisted Steering) reservoir from its support bracket. (Fig.16)
14. Unbolt & remove the PAS reservoir support bracket from the vehicle. (Fig.17)
15. Attach the new PAS reservoir mounting bracket to the reservoir using the long bolts, large washers, small washers & nylock nuts supplied. (Fig.18)
16. Secure the PAS reservoir / bracket assembly to the original mounting point using the original bolt. Ensure sufficient clearances for the PAS feed & return hoses. (Fig.19)
17. Carefully drill a 6mm hole in the recessed plastic leg located on the side of the air box assembly as shown. (Fig.20)
18. Assemble the saddle bracket / mounting bracket using the allen head bolt, nylon conical washer, flat metal washer & nylock nut. (Fig.21)
19. Secure the mounting bracket assembly to the drilled leg using the long bolt, nylock nut & small flat washers supplied. (Fig.22)
20. Secure the new 'U' silicone intake hose to the oval flange inside the lower air box assembly / manifold & secure using the hose clamp supplied. (Fig.23&24)
21. Ensure that the end of the intake hose sits onto the new saddle bracket assembly. Place the supplied #44 hose clamp around both the intake hose & saddle bracket. Do not tighten the clamp at this time. (Fig.25)
22. Screw the threaded blanking plug into the threaded hole located in the base of the Apollo assembly as shown. (Fig.26)
23. Fit the Apollo filter system to the supplied intake hose & now secure using the #44 hose clamp supplied. Position the Apollo to give maximum clearances & now fully tighten the mounting bracket. (Fig.27&28)
24. For best performance results the cold air lid attachment can be fitted: Carefully insert the flexi cold air into the end of the Apollo cold air lid. Insert the other end of the flexi cold air hose into the original air box feed scoop located on the slam panel as shown (the hose length may need to be trimmed to suit). (Fig.29)
25. Fit the Apollo cold air end cap to the end of the Apollo & secure using the hose clamp supplied as shown. (Fig.30)
26. If you wish to refit your engine cover it may be necessary to carefully trim the highlighted corner from the cover using a suitable pair of snips. (Fig.31)
27. Refit the previously removed engine cover, strut brace, bulkhead trims & covers, harness trim, pollen filter housing & sensors / switches etc.
28. Reconnect the negative battery terminal.
29. Carry out a final check of the height / alignment of the K&N induction system before starting the engine. Installation is now complete. (Fig.32)

Parts list:

- 1 x Apollo Filter Assembly.
- 1 x Flexi Cold Air Hose.
- 1 x Plastic Apollo End Cap.
- 1 x 'U' Silicone Intake Hose.

Fixing Kit :-

- 2 x Plastic Tie.
- 1 x #44 Hose Clamp.
- 2 x #60 Hose Clamp.
- 1 x Threaded Plug.
- 4 x M6 Nylock Nut.
- 1 x M6 C'sunk Bolt.
- 3 x M6x40 Bolt.
- 5 x M6 Small Flat Washer.
- 1 x Nylon Conical Washer.
- 1 x Studded Rubber Mount.
- 2 x M6 Large Flat Washer.
- 1 x Saddle Bracket.
- 1 x 'Z' Mounting Bracket.
- 1 x 'L' Mounting Bracket.

WARNING: Before starting the engine carry out a final fitment check of the K&N performance kit. It will be necessary for all intake systems to be checked periodically for realignment, clearance and tightening of all connections. Failure to follow the above instructions or proper maintenance may void the warranty.

FILTER MAINTENANCE: K&N suggests checking the filter periodically for excessive dirt build-up. When the element becomes covered in dirt (or once a year), service it according to the instructions on the Recharger service kit available from your K&N dealer, part number 99-5000 or 99-5050.



Fig. # 1



Fig. # 2



Fig. # 3



Fig. # 4

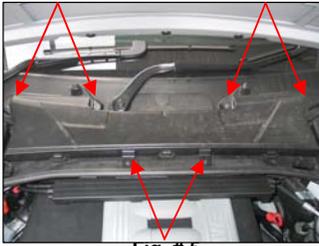


Fig. # 5



Fig. # 6

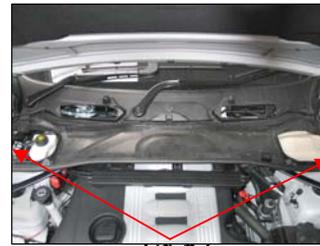


Fig. # 7

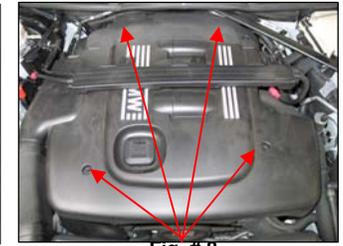


Fig. # 8



Fig. # 9



Fig. # 10



Fig. # 11



Fig. # 12



Fig. # 13



Fig. # 14



Fig. # 15

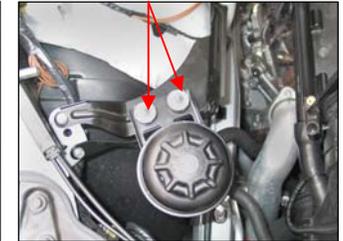


Fig. # 16



Fig. # 17



Fig. # 18



Fig. # 19



Fig. # 20



Fig. # 21



Fig. # 22



Fig. # 23



Fig. # 24



Fig. # 25



Fig. # 26



Fig. # 27



Fig. # 28



Fig. # 29



Fig. # 30



Fig. # 31



Fig. # 32