

## INSTALLATION INSTRUCTIONS

# 57i-6511

## Renault

### Laguna

May 1998-Dec. 00

1.6L 16v 4Cyl. Mpi

### TO START:

1. Turn the ignition OFF and disconnect the vehicle's negative battery cable.



2. Unclip & remove the resonator box / rubber intake hose.



3. Remove the rubber hose & electrical harness plug from the IRV (idle regulator valve).



4. Remove the 2 torx head bolts from the air box, carefully remove the air box from the vehicle.



5. Remove the rubber 'O' ring seal from around the throttle housing.



6. Remove the 2 bolts securing the engine lift bracket & remove from the vehicle.



7. Fit the new mounting bracket to the engine lift bracket lower mounting hole using the original bolt.



8. Clip the edge trim seal to the outside edge of the heat shield as shown (trim any excess seal).



9. Secure the heat shield to the mounting bracket using a allen head bolt, nylock nut & washers supplied.



10. Pierce/drill two holes in the top of the flexi cold air hose to match the holes in the bottom of the heat shield. Attach the flexi hose to the hole in the bottom of the heat shield using 2 plastic ties supplied.

### Parts list:

- 1 x Filtercharger Element.
- 1 x Rubber Filter Adapter.
- 1 x Silicone Adapter Hose.
- 1 x Heat Shield.
- 1 x Heat Shield Edge Trim.
- 1 x Plastic Intake Pipe.
- 1 x Flexi Cold Air Hose Assembly.
- 1 x Literature Pack.

### 1 x Fixing Kit :-

- 2 x Allen Head Bolts.
- 2 x M6 Nylock Nuts.
- 4 x Small Flat Washers.
- 4 x Plastic Ties.
- 2 x #48 Hose Clip.
- 3 x #12 Hose Clip.
- 2 x #8 Hose Clip.
- 1 x Plastic Spacer.
- 1 x 19.5mm (3/4") ID x 76mm(3") L Silicone Hose.
- 1 x 16 (5/8") ID x 76 (3") L Silicone Hose.
- 1 x Shield Mounting Bracket.
- 1 x Rubber Lined 'P' Clip.



11. Taking the necessary safety precautions as per manufacturers instructions raise the front of the vehicle. Feed the flexi cold air hose down to the lower spoiler trim, ovalise the hose & secure it to the spoiler trim using a plastic tie supplied.



12. Fit the silicone adapter hose & rubber filter adapter onto new intake pipe. Fit the new filtercharger to the intake pipe / filter adapter, fully tighten the hose clips supplied.



13. Fit the 16mm (5/8") ID x 76mm (3") L silicone hose to the breather pipe located below the throttle housing & secure using a #8 hose clip supplied.



14. Position the new intake pipe assembly to throttle housing, insert the breather tube on the intake pipe into the silicone hose & secure using a #8 hose clip supplied.



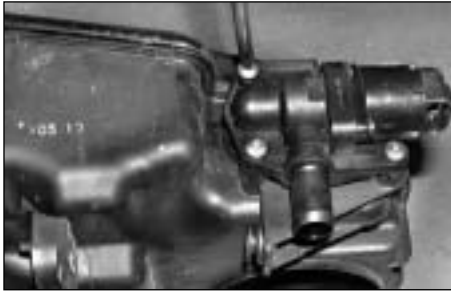
15. Secure the silicone adapter hose / intake pipe to the throttle housing using the #48 hose clip supplied.



16. Fit the studded lid of the filtercharger to the slotted hole in the front of the heat shield using the plastic spacer supplied.



17. Secure the coolant reservoir hose to the front of the heat shield using a 'P' clip supplied. Set the height of the filtercharger on the slotted hole, then secure using a nylock nut & washer supplied.



18. Carefully unscrew & remove the IRV from the side of the air box.



19. Refit the IRV to the original feed hose. Join the IRV to the new intake pipe using the 19.5mm (3/4") ID x 76mm (3") L silicone hose. Secure the hoses using the #12 hose clips supplied.

20. Reconnect the electrical harness plug to the IRV.

21. Carry out a final check of the eight/alignment of the K&N induction system before starting the engine.

Installation is now complete.

#### ROAD TESTING:

\*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 warranty.

1. Start the engine with the transmission in neutral or park, and the parking brake engaged. Listen for air leaks or odd noises. For air leaks secure hoses and connections. For odd noises, find cause and repair before proceeding. This kit will function identically to the factory system except for being louder and much more responsive.

2. Test drive the vehicle. Listen for odd noises or rattles and fix as necessary.

3. If road test is fine, you can now enjoy the added power and performance from your kit.

4. K&N suggests checking the Filtercharger element 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 that is included in this kit.