

1	-	Air intake
2	-	Dirty air duct
3	-	Turbocharger
4	-	Charge air cooler
5	-	Air intake manifold
6	-	Mass airflow sensor housing and exhaust gas recirculation (EGR) connection
7	-	EGR connection tube
8	-	Charge air cooler to intake manifold tube
9	-	Air cleaner box
10	-	Air cleaner box to turbo tube
11	-	Turbo charger to charge air cooler tube

OVERVIEW

Air is drawn in from the vehicle exterior via the right-hand (RH) wing mounted intake duct, along the inside of the wing to the air cleaner box intake. Once the air has passed through the air cleaner it is drawn along a duct to the turbocharger. From the turbo charger the air is forced through the charge air cooler up to the intake manifold.

AIR CLEANER BOX

The air cleaner box is located on the inside of the right hand fender. The air cleaner box is attached to the vehicle by four rubber mounts, 2 on the side to the inside of the inner fender and two on the base of the box. The box contains a replaceable paper filter element.

CHARGE AIR COOLER

The charge air cooler is located in front of the radiator and is secured to the radiator by 2 bolts at the top and 2 location points at the bottom. Air is forced through the charge air cooler by the turbocharger. Cooling the air makes it more dense improving combustion.