



Performance air filters
for road and race vehicles

AB80SFRS2
ITG Maxogen Airbox Kit
Fitting Instructions





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AB80SFRS2 Performance Air Box

Ford Focus RS Mk2 Fitting Instructions Kit Contents

<u>Qty</u>		<u>Description</u>
		<u>Airbox Assembly</u>
1	X	AB80S Carbon Air Box W/filter Retaining Ring
6	X	M5 x 20 Button Head Screws
		<u>Filter and Hoses</u>
1	X	JC60/67R Maxogen Cone Filter
1	X	Black Silicon Hose
2	X	60-80mm Stainless Steel Hose Clips
1	X	800mm x 127mm I/D Flexible Ducting
1	X	120-140mm Stainless Steel Hose Clip
1	X	Can JDR-2 Dust Retention Oil
		<u>Bracket Assembly</u>
1	X	Air Box Mounting Bracket
3	X	M6 Rubber Mounting Bobbins
3	X	M6 Stainless Steel Ny-lock nuts
3	X	M6 Stainless Steel Plain Washers
3	X	M6 Plain Nuts
3	X	M6 Spring Washers
6	X	M6 Stainless Steel Penny Washers



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Removal Of Standard Components

The removal of all the standard components is a very straightforward procedure to carry out. The first thing to do is to remove the standard convoluted intake hose that fits between the airbox and plastic crossover pipe on top of the engine. With the hose removed all that is now required is to lift the airbox upwards from its rubber mounts and remove it from the engine bay.

You will also need to raise the car either on a ramp or onto axle stands and remove the engine under tray.

Fitting Of The New Intake System

The first job is to fit the airbox mounting bracket as shown below. When doing this, you will need to re-arrange the wiring attached to the chassis rail to help open up a gap below to fit the neck of the airbox in.





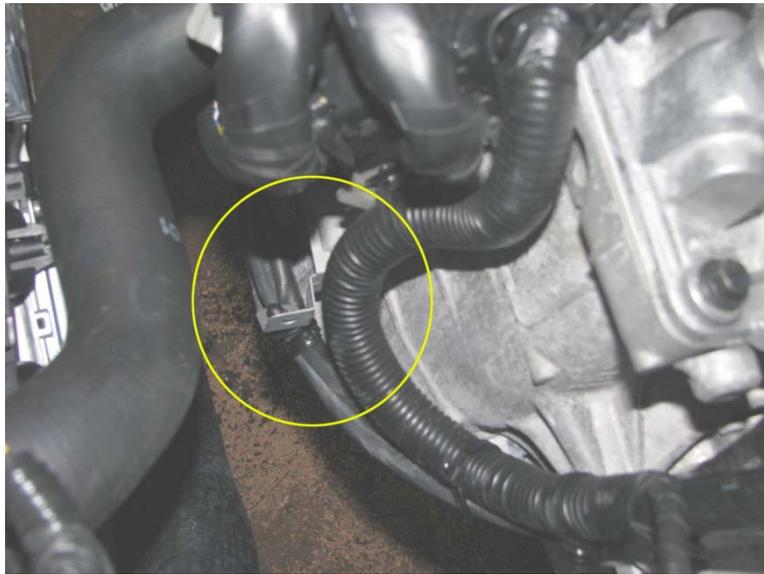
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It is also worth adjusting the cable mounting bracket shown below to help keep some of the cables closer to the gearbox casing and help improve clearance around the cold air duct.



Now the space for the airbox has been made and the mounting bracket is in place, the airbox can be dropped into place. Before doing this it is advisable to first fit the cold air ducting to the airbox ensuring the hose clip worm is on the same side of the neck as the filter aperture in the airbox as shown below (this is to ensure clearance of the chassis rail when fitted).





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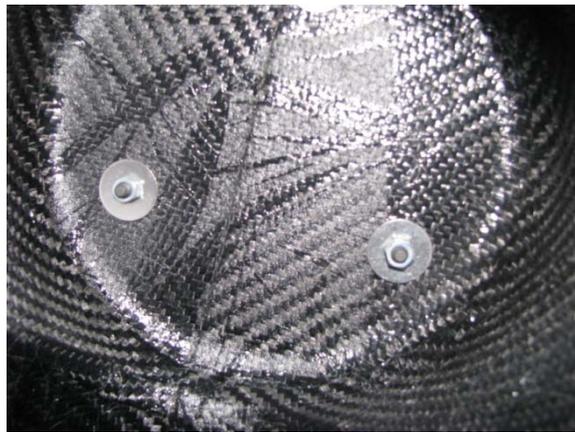
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Carefully manoeuvre the airbox and duct into the engine bay ensuring the duct does not get caught up on any of the cables, hoses or brackets' on its way through, this is a VERY tight fit and may need pulling through from underneath.

With the airbox roughly in place it can now be mounted onto the bracket. Make sure you have a penny washer either side of the carbon base and tighten up the three plain nuts ensuring a spring washer is fitted beneath each nut. As you are tightening these nuts you may also need a 16mm spanner to hold the rubber bobbins and prevent them from twisting.



With the airbox fully tightened down you can now fit the air filter, this is done by removing the six button headed screws that hold the filter retaining ring in place and simply inserting the filter into the airbox, there is a small lip on the airbox that locates into the aluminium filter spinning. With the filter located, re-fit the retaining ring and tighten down the six button head screws.





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With the filter in place you can now fit the silicone hose, the hose is asymmetrical and intended to be fitted as shown in the picture below. Once you are happy with the position of the hose and the airbox, fully tighten the two hose clips.



With the top part of the kit fully in place, you now need to tie down the cold air duct into place. There are plenty of places to wrap a cable tie round to be able to keep the ducting in place.





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Depending on the intercooler being used it may be necessary to remove the blanking panel just to the right (when looking from the front of the car) of the lower grille aperture as shown below to ensure good airflow into the intake.



As the air pickup point is so low, common sense should be used when driving in very wet conditions – obviously do not try and cross any deep water likes fords or stream crossings, also be aware when following closely behind cars in the rain that extra muck and dirt will be pulled into the intake and reduce the service interval of the filter.

With the intake now fitted double check all the bolts, hose clips etc. are tight and that the cold air duct is not rubbing on any hoses or cables. Once you are sure everything is secure, refit the undertray and go play!!!