

Auto Specialists Gen 2 Focus ST Cold Air Induction System 'CAIS'

Fitting Instructions



The Auto Specialists Gen 2 CAIS replaces your standard Ford air box assembly. Fitting of this kit is fairly easy and you don't need to be a fully trained Mechanic to be able to install it, all you need is some basic mechanical knowledge in order to fit.

If you have any doubts about your abilities to fit this kit, we would recommend that you have this kit fitted by a Garage, please call and we will try to recommend someone for you.

- Disconnect your battery, (make sure you have the radio code for later!)
- Jack up the front of your ST and install axle stands or use 2 poster ramp/similar
- Remove both rear & front under-tray sections.
- Undo the 4 radiator support cradle screws 'not fully at this point' in the front of chassis the legs, and lower the radiator slightly.

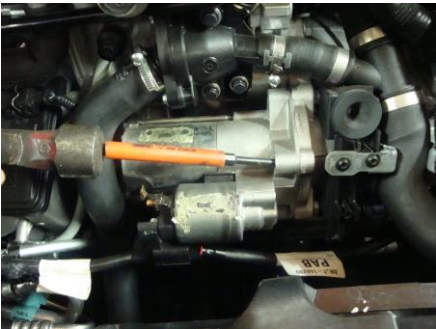


- Now its time to remove the Air-box assembly, remove the 4 Torx screws that retain the ECU to the front of the air-box, and then move the ECU to one side for the moment.
- Remove the Air deflector cover, this is located behind the top grille.
- Now remove the air inlet snorkel, this is held onto the front panel by 2 plastic screws, remove these then lift the snorkel away from the Air box.
- Undo the short connecting hose to the Mass Air Flow sensor to the crosspipe, and then remove the two Torx headed screws holding the MAF sensor to the airbox. Carefully Place the MAF sensor to one side.
- To remove the original air box assembly you will need to pull it upwards away from the 4 pegs that locate it into the rubber grommets. Once it is loose you will need to slide it to

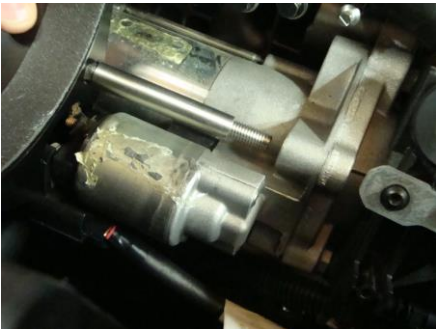
the right hand side and lift it upwards, this can be a bit tricky! But by undoing the passenger side radiator cradle bolts at this stage will help removal of the Air box. (Replace the bolts after loosely, for now)



- Now before mounting the CAIS bracket we need to remove a locating dowel, by using a small punch and hammer. Shown in the picture below.



- Some ST's have the starter solenoid power lead sticking upwards and its advisable to rotate this lead, to give additional clearance. Simply slacken the retaining nut and move lead downwards, as shown in picture. (only if required)
- Now take the CAIS bracket, passing the large cap head bolt through the CAIS bracket, and slide the sleeve supplied over the end of the bolt as shown.



- Now screw and tighten the Allen key into the gearbox, if you don't have a thread in the gearbox (some st's don't) please use longer bolt and nut provided. The CAIS mounting bracket has a circular cutout in the bottom to help fitting and locate it in the correct position.
- Just before you fit the CAIS, loosen the right hand side of the radiator to help give you the additional clearance.

- The CAIS can now be placed onto the CAIS bracket as shown, at this stage you can install the Large jubilee and tighten 'not fully'.



- Re-tighten the radiator cradle bolts, make sure the CAIS clears the radiator fan cowling!
- Now fit the short silicon hose to the Turbo inlet pipe and re-fit the MAF sensor.



- Then take the 'long' end of the large silicone 90° elbow and connect it to the MAF sensor inlet, then connect the elbow to the CAIS outlet, tighten hose clips, but not fully.



- Fit the new silicone humped step-down hose and stainless Jubilee clips to the air duct as shown. Do not fully tighten any hose clips at this stage.



- Make sure you are happy with alignment securely tighten all Jubilee clips and Re-fit Main Air deflector.



- The ECU mounting brackets can now be fitted. The long straight bracket uses the existing headlamp wiring earth point screw (do not forget the earth wire!) and the upper, angled bracket is fixed to an un-used hole in the bonnet slam panel using the large self-tapping bolt supplied.
- The ECU can now be fixed in place using the three M6 nuts and bolts supplied. If you fancy something a bit more detailed check out our AutoSpecialists ECU cover (Not included in kit, available at additional cost).



- Re-fit the under-trays and re-connect your battery, re-enter your radio code, and re-set the clock.

If you need any additional help while fitting please call us on 01375 850062 during normal office hours.