



## **SEAT Leon Cupra R 'Super Cupra' Front mounted Intercooler Kit.**



Tools required: - Protective and safety equipment for yourself and the vehicle. A vehicle lift or jack and axle stands, T20/T25/T30 torx drivers, Phillips and flat blade screwdrivers, Trim removal V tool, 10mm spanner or socket, 13mm spanner or socket, 9mm spanner or socket, 5mm allen key/socket.

1/ Firstly raise the vehicle to a convenient height on lift or stands. Open Bonnet.

Remove the front grille upper cover with a flat blade screwdriver to unclip the locators. Then remove the 5 plastic clips from the upper edge of the grille using a v type trim tool as shown in the second picture. Then remove the 4x T20 torx screws inside the front edge of each front wheelarch. Remove the 2 Fog light grilles. Remove the single T30 torx bolt located behind each of the fog light grilles. Remove the 3 large Phillips screws on the underside of the front bumper/spoiler. Disconnect both front fog light and the ambient temp sensor electrical connections. Lift off the front bumper cover, take care in manoeuvring this around the edges of the headlights; it will be a tight fit if it has never been removed before.



2/ Remove the plastic air ducts from both intercoolers. Remove the left side headlight (4x T30 Torx screws and electrical connections). Loosen the top and bottom hose clips on both intercoolers. Remove the 3x 10mm nuts that retain each intercooler and lift the intercoolers clear. Remove the connecting tube between the intercoolers from inside the engine bay. These have 10mm nuts holding down P clips as per the pictures below.



3/ Remove the 13mm nut on the horn bracket, move horn assembly to the left side of the vehicle in order to clear the crash bar. Remove the 5x 13mm nuts and bolts on each side of the crash bar and remove the bar completely. Remove the 3x Phillips screws in the lower plastic panel and remove this. Remove the 2x 9mm corner locator pins from the original crash bar and fit them in to the new modified crash bar supplied in the kit. Now fit the new crash bar to the vehicle using its original 13mm nuts and bolts.



4/ Relocate the horn bracket assembly in to the left front section that has been vacated by the stock intercooler. Fit the horn bracket to the left intercooler top mounting using the top right 10mm nut as per the picture below. Turn the horns so the trumpets are facing downwards to prevent future water ingress. Tidy the wiring using the zip ties supplied.



5/ Fit the new intercooler to the crash bar using the short M6 bolts with penny washers (top brackets) and the long M6 bolts with washers through the holes in the crash bar, then through the supplied spacers, through the brackets on the front of the intercooler and then into the supplied M6 bosses which you should tighten.



Attaching hose clips as you go (but not tightening them) fit a 45 degree silicon hose to both intercooler outlet tubes, angled back as shown below. Then fit a 160mm aluminium tube in to each one of these hoses. Fit a 90 degree silicone on to the other end of each of these tubes pointing upwards and slightly towards the engine, then a 75mm aluminium joiner and then the remaining 45 degree silicon hose. The left side hose will then connect to the original plastic tube behind the headlight and the right side hose will connect to the original hose by using the remaining 75mm aluminium joiner. Tighten all hose clips. The below pictures are a guide for the correct routing.





6/ Be sure that all the intercooler mounting bolts, hose clips and the crash bar are secured well. Refit the headlights and refit the complete bumper cover. Remove all tools and lower the vehicle to the ground. You are now ready to enjoy the new performance of your vehicle.

**Engineered for performance.**