

Install Guide.

mountune

Intercooler Mk3 Focus RS

- T25 & T30 sockets
- 4mm allen key/socket
- 8mm & 10mm socket
- ratchet and extension
- hose clip tool/flat bladed screwdriver
- trim tool
- long nose pliers

Tools required:



Time

2 hour approx.

Step 1



Undo and remove the two T30 Torx bolts from each headlight.

Step 2



Twist and pull up on each headlight to remove, and disconnect the wiring harness.

Step 3



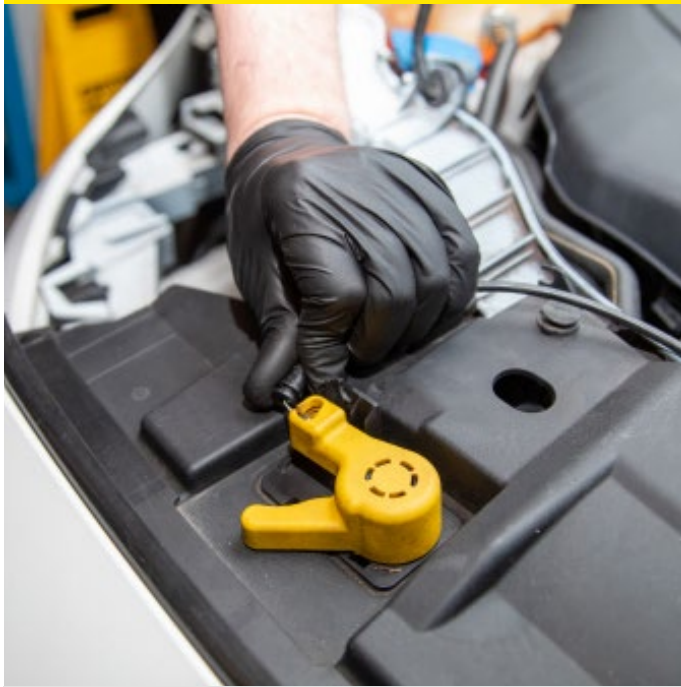
Undo the three T30 Torx screws from the middle of the bumper trim.

Step 4



Remove two outer T30 screws from the top of the bumper.

Step 5



Unclip and remove bonnet cable, DO NOT close bonnet with the cable disconnected.

Step 6



Using a trim tool, remove the two push clips from the top of bumper.

Step 7



Pull out the headlight washers and remove the cover. This is done by tilting the cover upwards to unclip it from the washer jet. The jet will then retract back behind the bumper.

Step 8



With the vehicle supported on a ramp or axle stands, remove all the T30 Torx screws and the two outer trim clips securing the engine under tray.

Note: It is not necessary to remove the two clips in the centre of the tray. Once the other fasteners have been removed, the tray will pull forward to unclip from the anti-roll bar.

Step 9



Turn the steering to gain access to the wheel arch liner. Undo and remove the two T30 screws and one trim clip securing the arch liner to the bumper.

Step 10



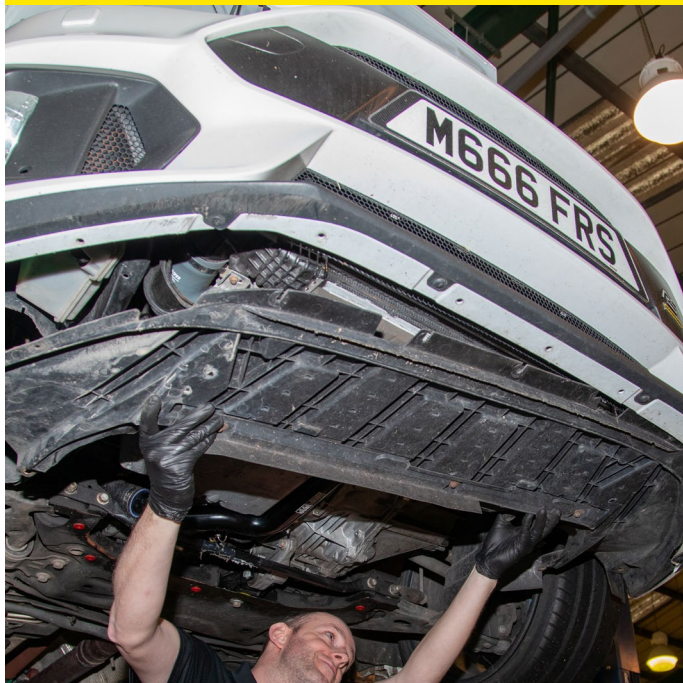
Undo and remove the seven T30 Torx screws from the bumper undertray.

Step 11



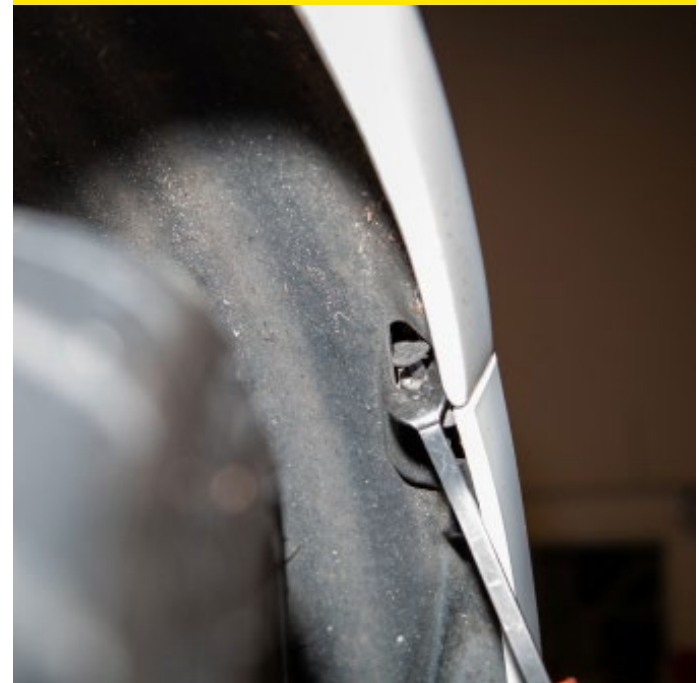
Carefully unscrew and remove the plastic trim clips from the front edge of the bumper.
Note: It is only necessary to remove the clips in the white part of the bumper.

Step 12



Carefully remove the under tray. It may be necessary to gently flex the tray to disconnect it from behind the bumper.

Step 13



Using a trim tool, remove the two trim clips from inside the wheel arches.

Step 14



Unclip the two bumper securing tabs in the headlight apertures. Carefully but firmly pull the end of the bumper out and away from the wing. It only needs to move approx. one inch, pulling any further than this may cause damage.

Step 15



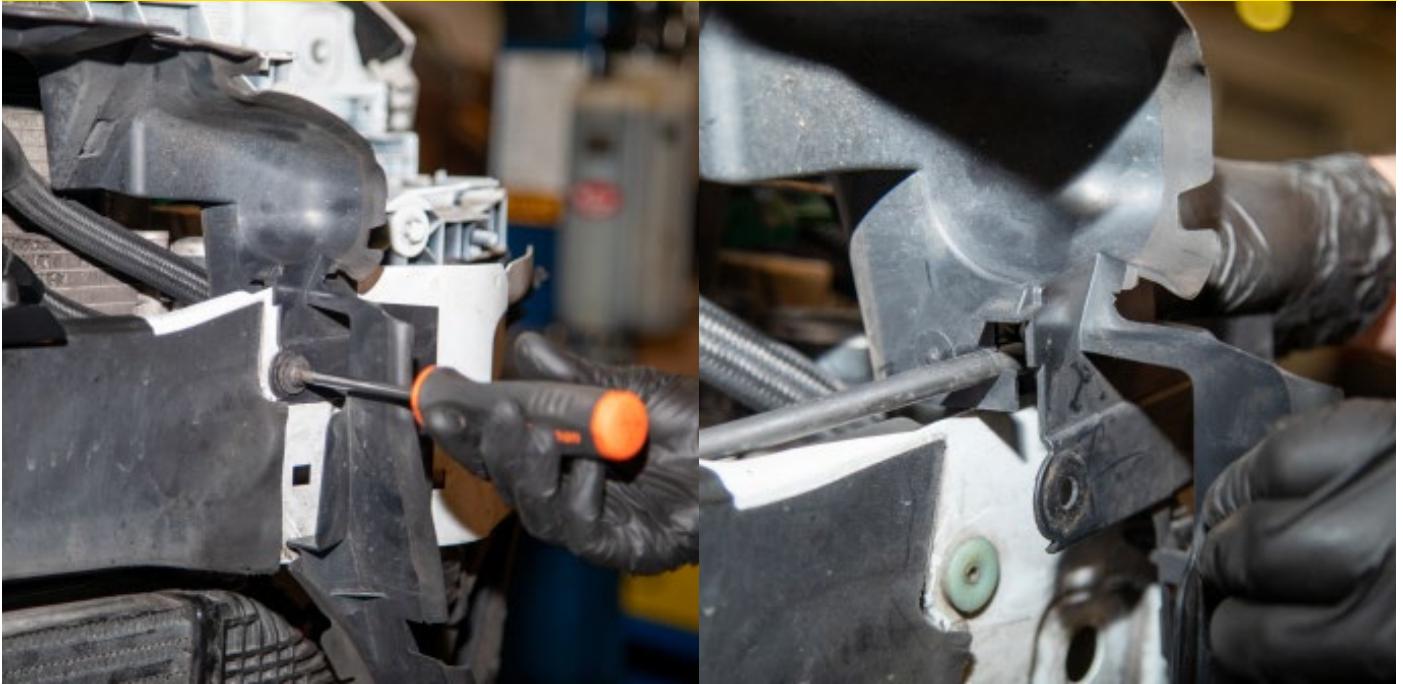
Carefully remove the bumper from the car.

Step 16



Once you have removed the bumper approximately 4-5 inches, reach down behind the left hand headlight and disconnect the front fog light wiring harness multi plug.

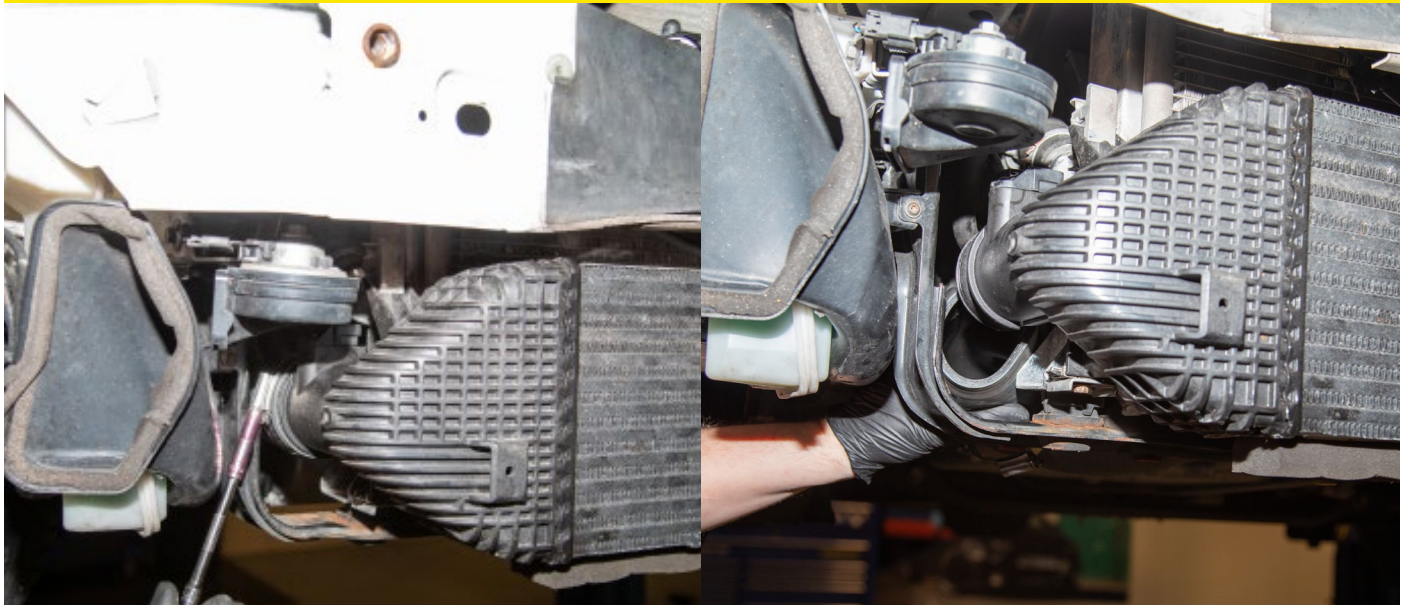
Step 17



Undo the two T30 screws securing the intercooler ducting and remove.

Note: The pipework for the headlight washers is clipped in to this ducting. Make sure it is unclipped before removing the duct or you may damage the pipework. This will not be refitted.

Step 18



Loosen both hose clips and remove the intercooler hoses. Carefully tuck them out of the way.
Note: It is good practice to cover the ends of the hoses with a cap or tape to prevent dirt/grit entering the engine.

Step 19



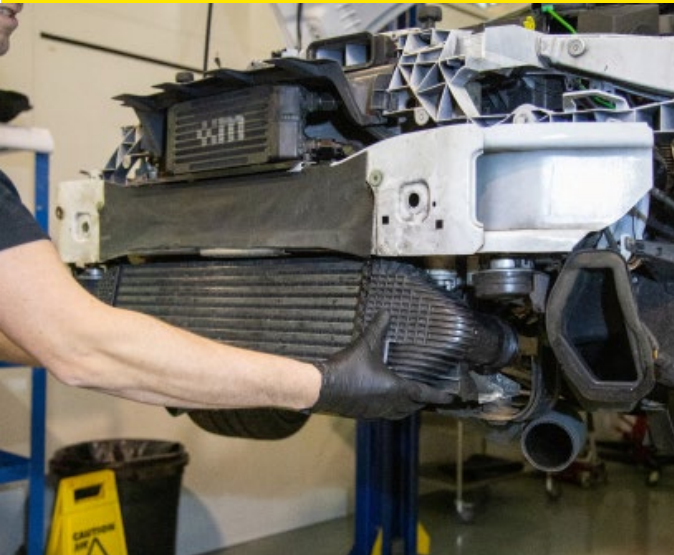
Unclip the wiring harness from the MAP Sensor on top of the right hand pipework.

Step 20



Undo and remove the two 8mm headed bolts from the bottom of the intercooler.

Step 21



Carefully lift the intercooler assembly approx. half an inch. Pull the lower half of the intercooler away from the radiator and lower to remove from the car.

Step 22



Unclip and remove the standard intercooler ducting from the cooling pack. Note: It may be necessary to loosen the four 10mm headed bolts holding the cooling pack to give more room to remove. If lowering the cooling pack, ensure the assembly is supported with a jack or stand to avoid damage to the hoses or wiring. This ducting will not be refitted.

Step 23



Undo and remove the Torx screw securing the MAP sensor into the intercooler. Carefully remove the sensor by pulling firmly, but gently away from the intercooler.

Step 24



Using the supplied set screw, fit the MAP Sensor in to the mountune intercooler. Care must be taken to not overtighten the screw.

Step 25



Fit the supplied L-bracket to the intercooler as shown. Secure with the supplied bolts and washers.

Step 26



Loosely fit the supplied fastener to the L-bracket using the supplied bolts and washers. Fit a washer to the back side of the fastener as shown.

Step 27



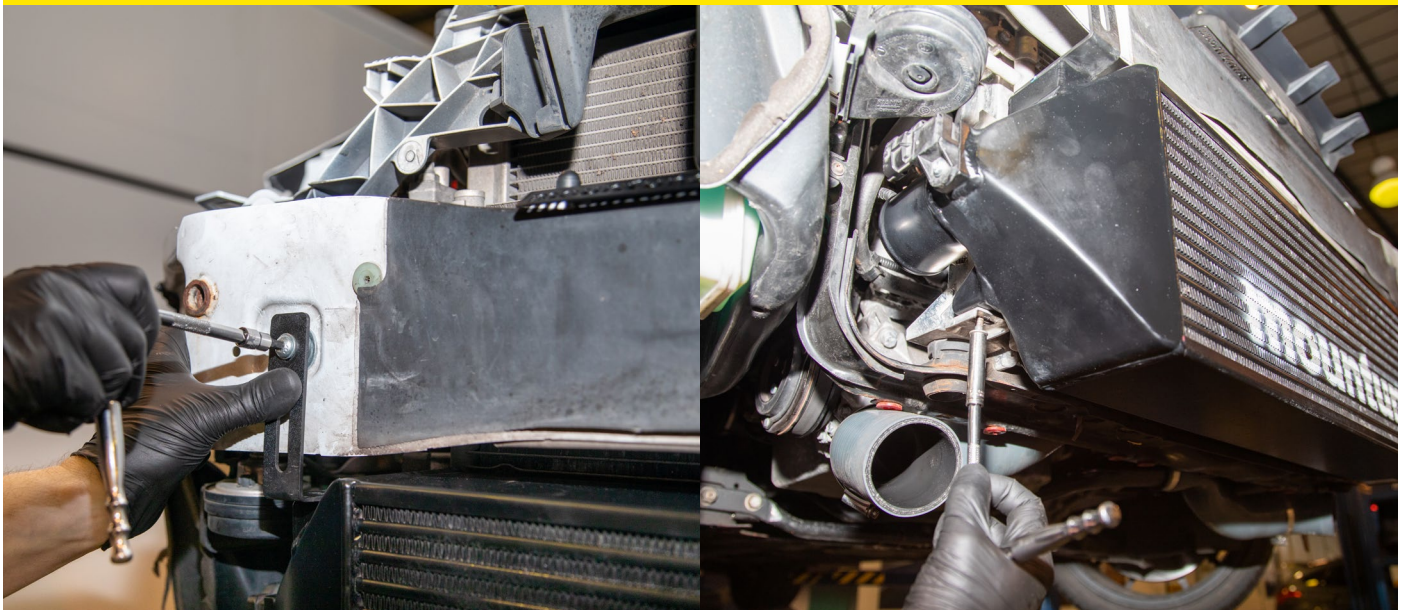
Fit the intercooler in place on the car, position the new fasteners in to the holes on the cross-car beam.

Step 28



The bottom mounts will line up with the standard mounting point on the radiator. Loosely secure the intercooler using the original bolts.

Step 29



Tighten the two bolts on the new top fasteners, followed by the two 8mm headed bolts in the bottom.

Step 30



Reconnect both boost hoses and secure with the supplied hose clips.

Step 31



Reconnect the MAP sensor wiring harness multi plug.

Step 32



With the bumper on a soft surface, carefully use a screwdriver or trim tool to remove the outer clips from the lower grill.

Step 33



Slide the mountune blanking plates into place. The foam should face the intercooler.

Step 34



Replace the standard clips to secure the plate. A pair of long-nose pliers can help with this.

Step 35



Refit the bumper, headlights and undertray.