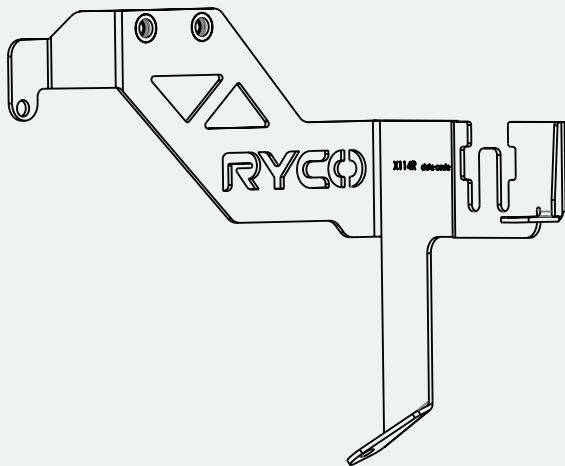
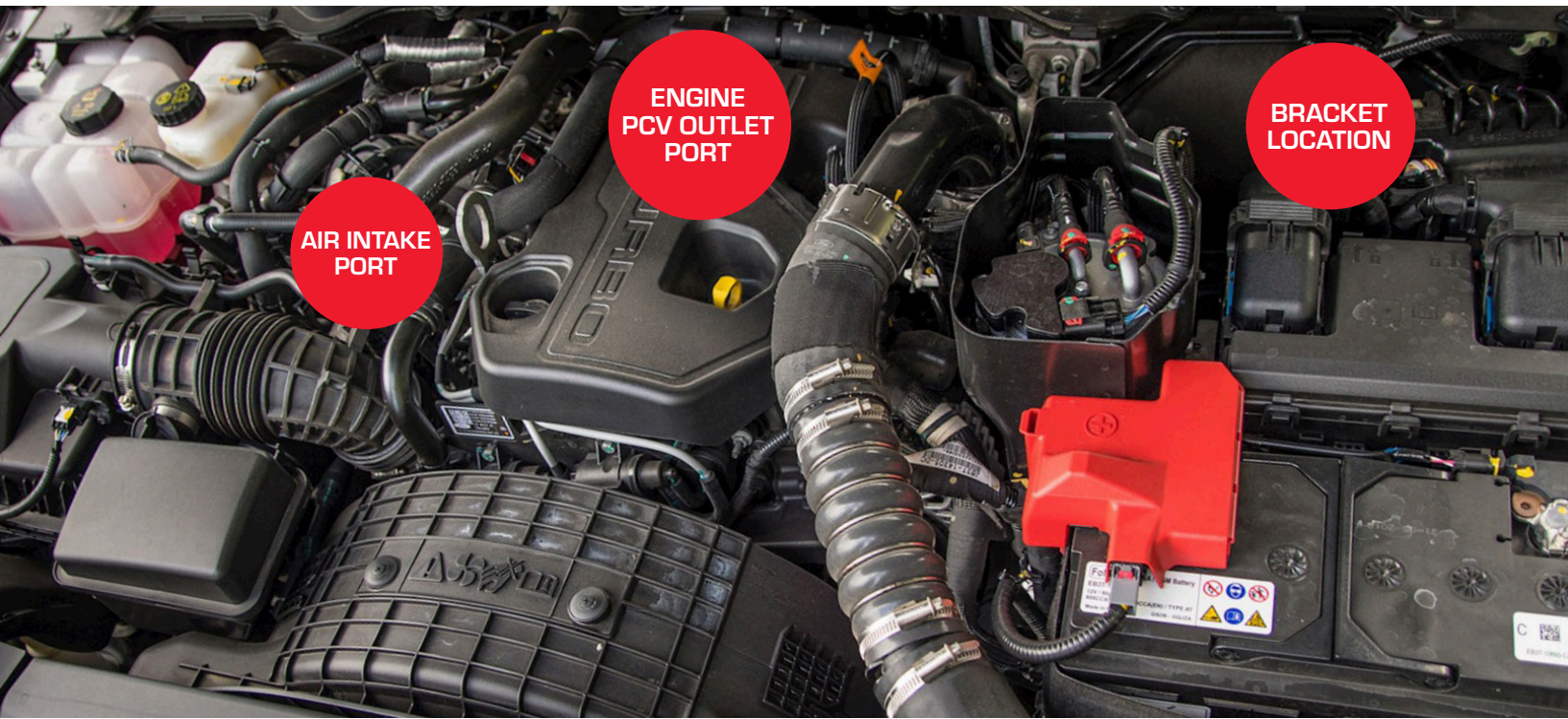


X114CC™

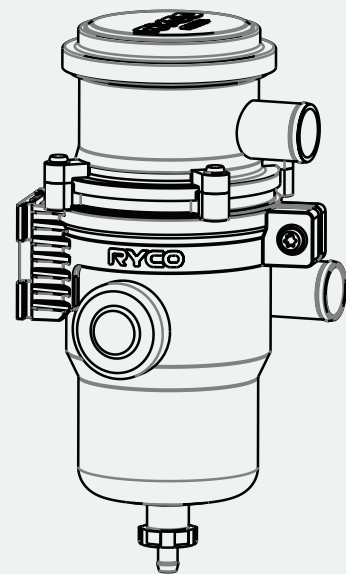
X114CC CATCH CAN FITMENT INSTRUCTIONS

FORD RANGER/RANGER RAPTOR/EVEREST - See RYCO catalogue for specific application details.

The Ryco X114CC kit includes a mounting bracket specifically designed for the vehicle, and all components required to complete the installation of Ryco RCC351 series Catch Can. It is recommended that the installation is conducted by a qualified mechanic following the procedures in this instruction sheet.



SECTION 1
CATCH CAN MOUNTING BRACKET

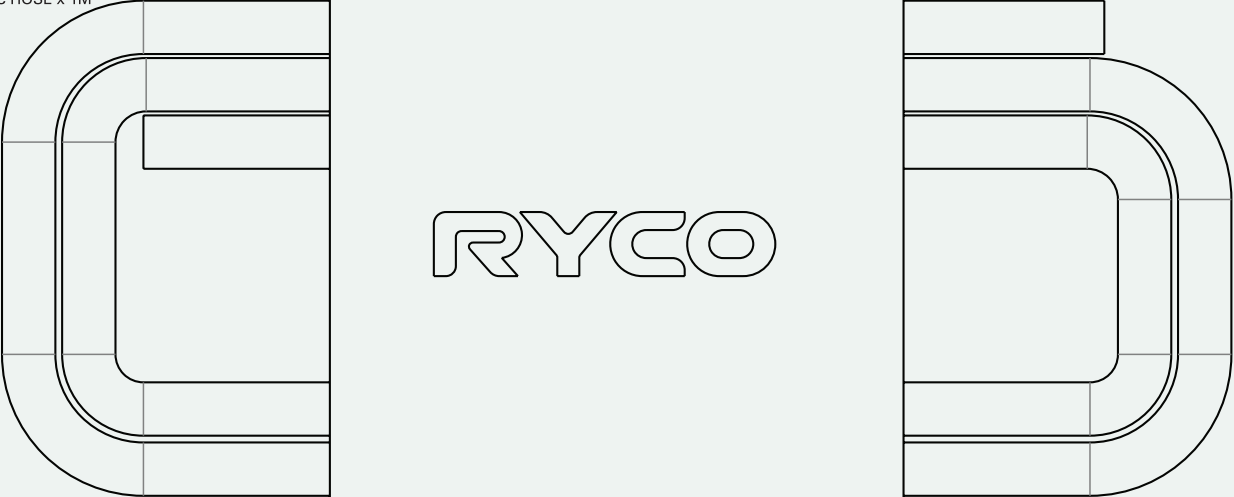


SECTION 2
CATCH CAN

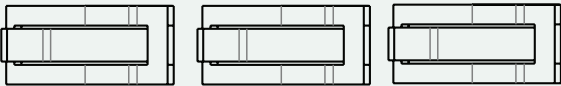
COMPONENTS INCLUDED IN X114CC KIT

X114CC PARTS LIST - CRANKCASE VENT. FILTER COMPONENTS BOX


MS4089
PVC HOSE x 1M



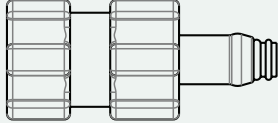
MS4091
PCV HOSE CLAMP x 3



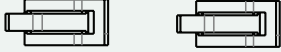
MS8016
PCV HOSE CLAMP x 1




MS4090
DRAIN VALVE x 1




MS4093
DRAIN HOSE CLAMP x 2




COMPONENTS INCLUDED IN PLASTIC




MS4036
FLAT WASHER x 2 (M6)




MS4031
FLAT WASHER x 1 (M8)



MS4098
FLANGE NUT x 1 (M8)



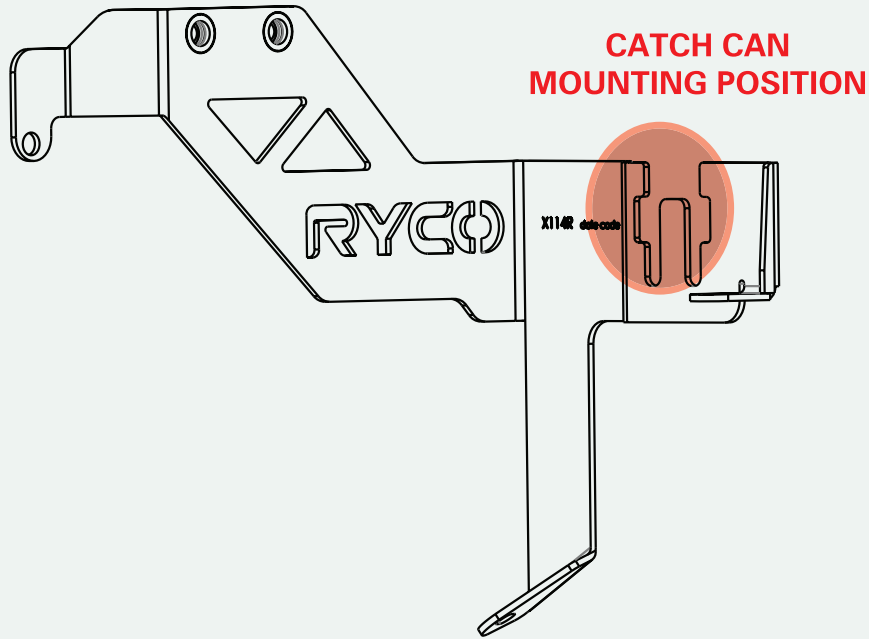
MS4099
NYLON LOCK NUT x 1 (M6)



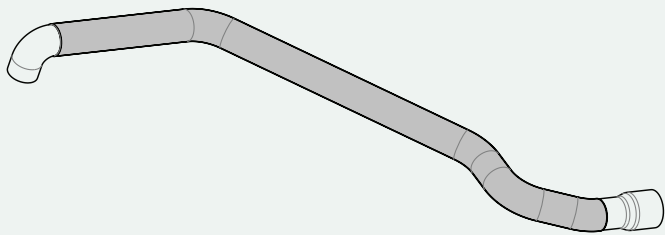
MS4037
HEX BOLT x 1 (M6)

COMPONENTS INCLUDED IN X104CC KIT

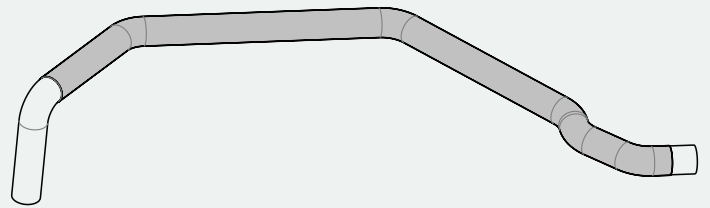
FB9803X
CATCH CAN MOUNTING BRACKET x 1



MH9812A
PCV HOSE x 1

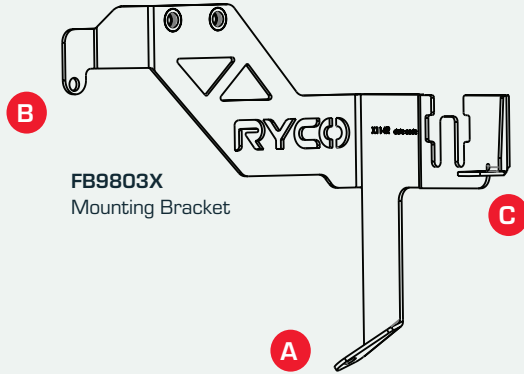


MH9812B
PCV HOSE x 1



SECTION 1 MOUNTING BRACKET FITMENT

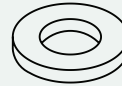
PARTS REQUIRED



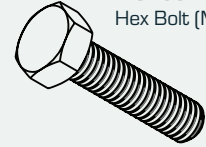
MS4036
Washer x 2 (M6)



MS4031
Washer (M8)



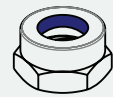
MS4037
Hex Bolt (M6)



MS4098
Nut With
Threadlocker (M8)



MS4099
Nylon Lock Nut (M6)



TOOLS & PPE REQUIRED

- Ratchet Set
- Work Gloves

WORK PROCEDURE

- 1 Remove the factory M6 nut on the fuse box from point C
- 2 Locate the stud on the thermal expansion (TX) valve point B. Position the bracket in the engine bay as per FIG. 1, placing point B at the TX valve stud and point C at the fuse box stud.
- 3 Loosely refit the factory M6 nut at point C onto the fuse box stud, and the supplied M8 nut at point B onto the TX valve stud. [Caution: Do not remove the factory nut holding the TX valve].
- 4 Note the position of the hole at point A from the front-left wheel house of the vehicle, install the supplied M6 bolt with washer upwards through the hole at point A, and secure the bracket with the supplied M6 nylon lock nut and another M6 washer. [Caution: Note the bolt direction. Do not install the bolt so it protrudes into the wheel house].
- 5 Tighten all three (3) fasteners as per FIG. 2.

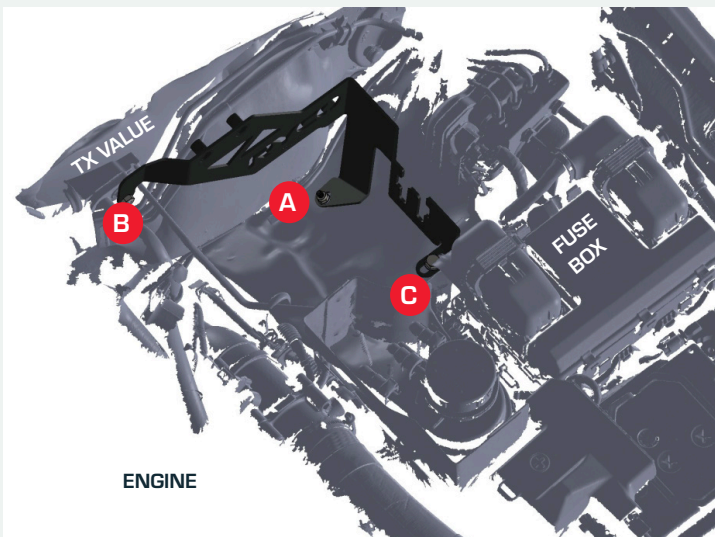


FIGURE 1
BRACKET IN ENGINE BAY

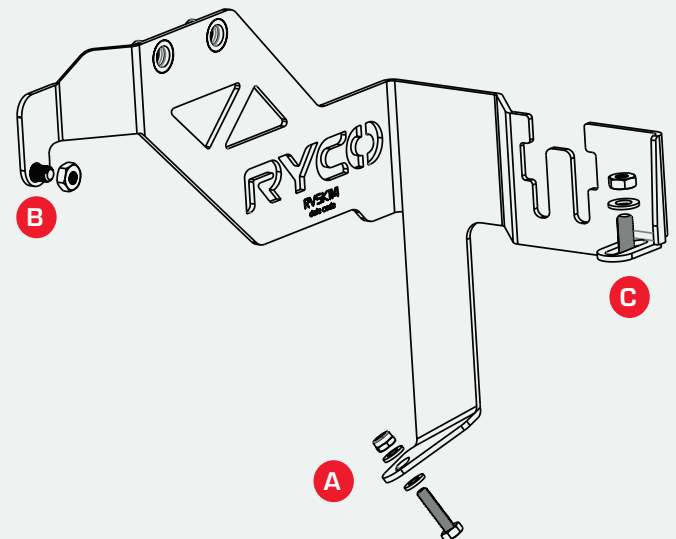
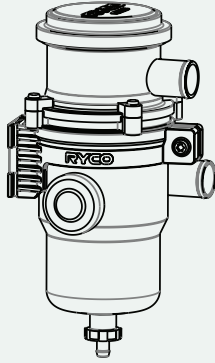


FIGURE 2
BRACKET INSTALLATION

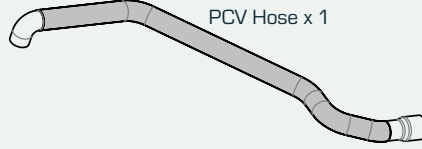
SECTION 2 CATCH CAN INSTALLATION

PARTS REQUIRED

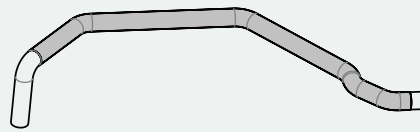
RCC351
Catch Can



MH9812A
PCV Hose x 1



MH9812B
PCV Hose x 1



MS4091
PCV Hose Clamp x 3



MS8016
PCV Hose Clamp x 1



TOOLS & PPE REQUIRED

- Ratchet Set
- Work Gloves
- Hose Clamp Pliers

WORK PROCEDURE

- 1 Remove the engine cover.
- 2 Mount the Catch Can onto the bracket by sliding the RCC351 nylon bracket onto the catch can mounting position on the bracket, rotate it so it is facing directly toward the engine and tighten the plastic bracket
- 3 Remove factory PCV hose by lifting the locking collars and pulling upwards. The PCV hose is connected to the PCV valve located at the top of the engine at rear drivers side corner, and to the air intake towards the front of the engine bay as per FIG. 3 below.

ENGINE PCV
OUTLET PORT

FACTORY
PCV HOSE

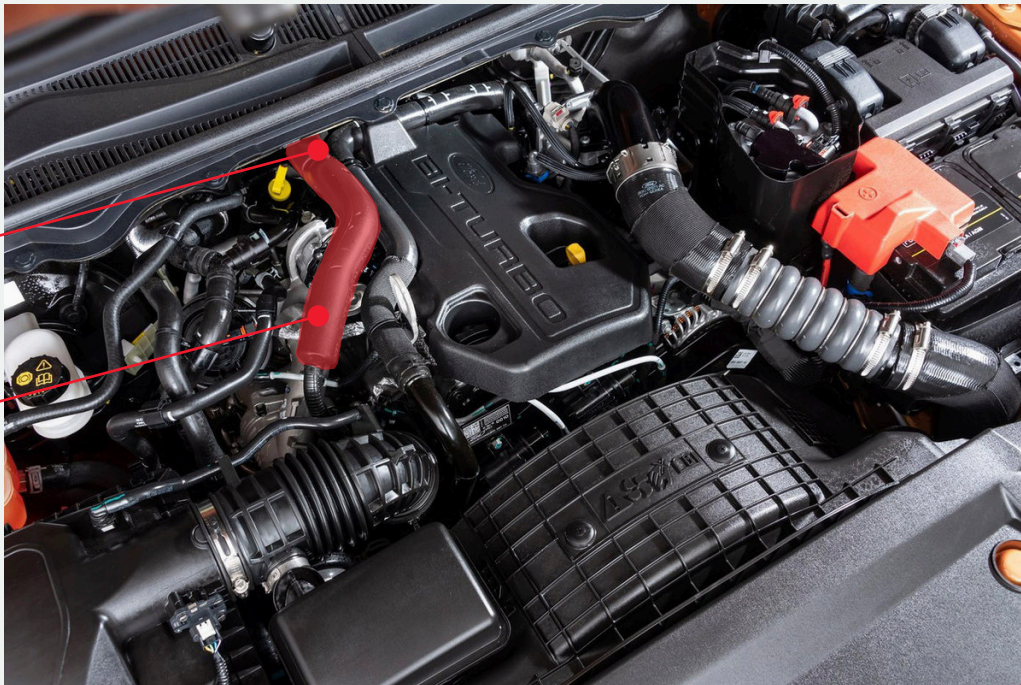


FIGURE 3
FACTORY PCV HOSE

SECTION 3 CATCH CAN INSTALLATION (CONTINUED)

WORK PROCEDURE

- 4 Connect the smaller end (19mm) of the MH9812A Ryco moulded hose (shown blue in FIG. 4) to the engine PCV valve outlet and secure with a supplied hose clamp. Feed the hose behind the engine, under the other engine pipes and around the AC pipes and connect the larger end (25mm) of the moulded hose to the lower port of the RCC351 with one of the large PCV hose clamps. Use FIG. 5A as a guide.
- 5 Feed MH9812B Ryco moulded hose (shown green in FIG. 4) along the top of the first hose ensuring it runs over the factory pipes including the AC pipes. Connect one end to the upper port of the RCC351, securing with a large PCV hose clamp. Connect the other in to the engine PCV air intake port and secure with a PCV hose clamp (FIG. 4).
- 6 Check both PCV hoses are not jammed or kinked by the surrounding engine parts.

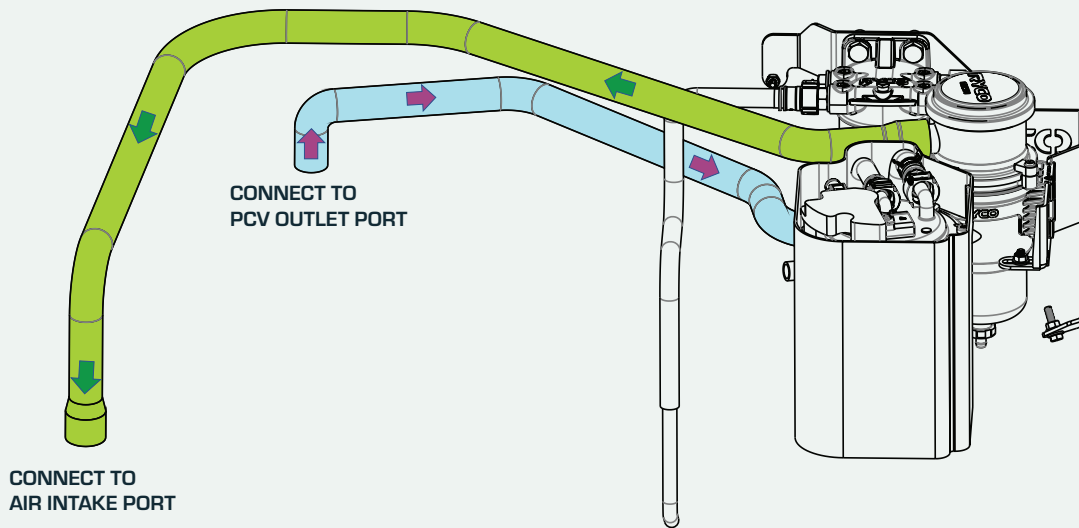


FIGURE 4
CATCH CAN INSTALLATION



FIGURE 5A
CATCH CAN HOSES LAYOUT



FIGURE 5B
CATCH CAN HOSES LAYOUT

DRAIN HOSE INSTALLATION PROCEDURE (OPTIONAL)

WORK PROCEDURE

- 1 To install the drain hose, remove the drain plug from the bottom of RCC351, take out the rubber seal from the plug and refit. Insert the drain hose and secure it with the supplied spring clamp. Insert the hose drain tap to the other end and use the zip ties to secure the hose. To drain, pull back the red section until all oil has drained out.
- 2 If it has been fitted without using the drain hose supplied, simply slide out the unit from its bracket and loosen the drain plug on the unit and let the oil drain onto a pan or bottle.