

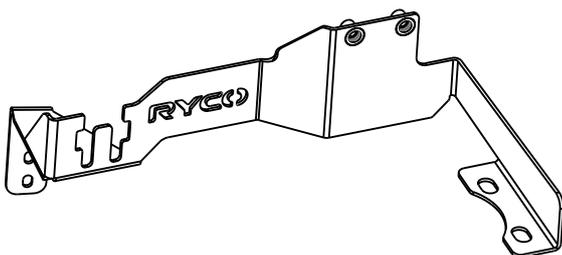
RVSK105 FUEL WATER SEPARATOR / CATCHCAN FITMENT INSTRUCTIONS

TOYOTA LAND CRUISER 200 Series - See RYCO catalogue for specific application details.

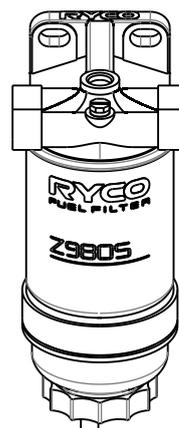
The Ryco RVSK105 kit includes mounting bracket specifically designed for the vehicle, and all components required to complete the installation of Ryco Z980SK series fuel water separator and RCC351 series catchcan (both sold separately). It is recommended that the installation is conducted by a qualified mechanic following the procedures in this instruction sheet.



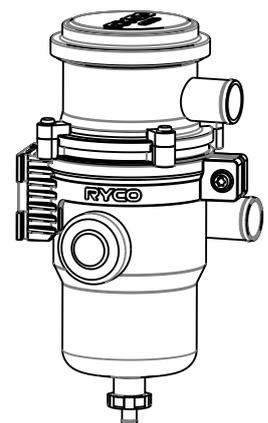
SECTION 1
METAL BRACKET
(INCLUDED IN RVSK105)



SECTION 2
FUEL WATER SEPARATOR
(SOLD SEPARATELY)

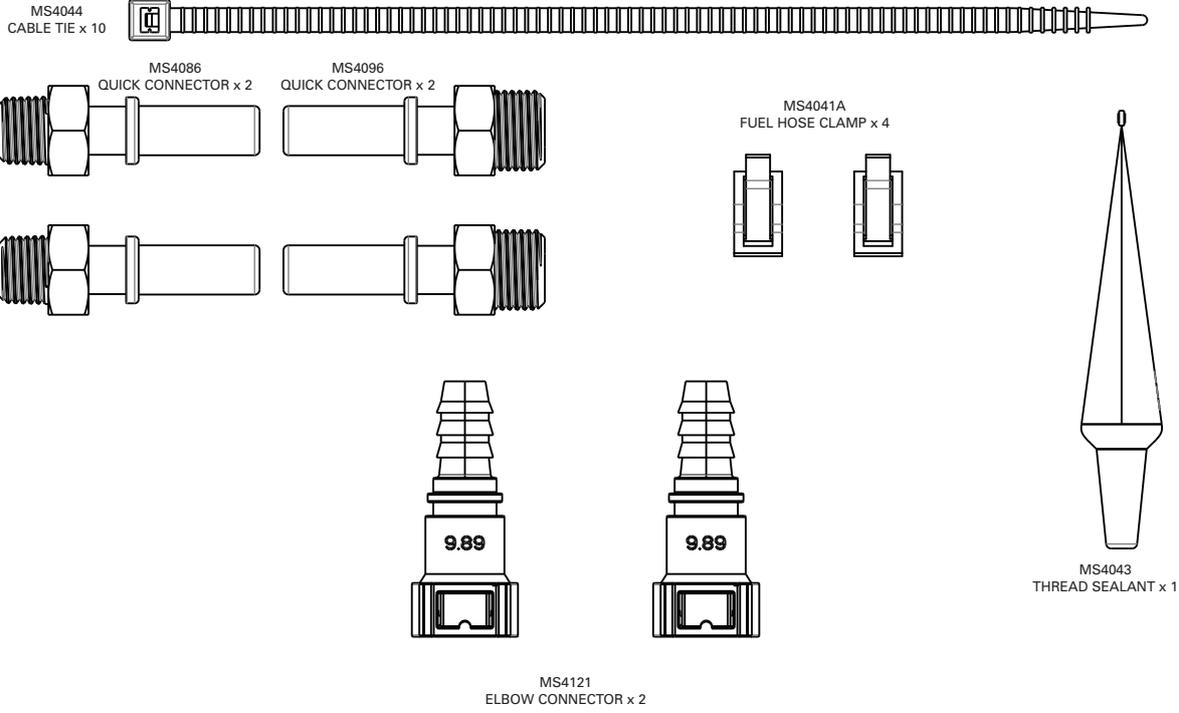


SECTION 3
CATCHCAN
(SOLD SEPARATELY)

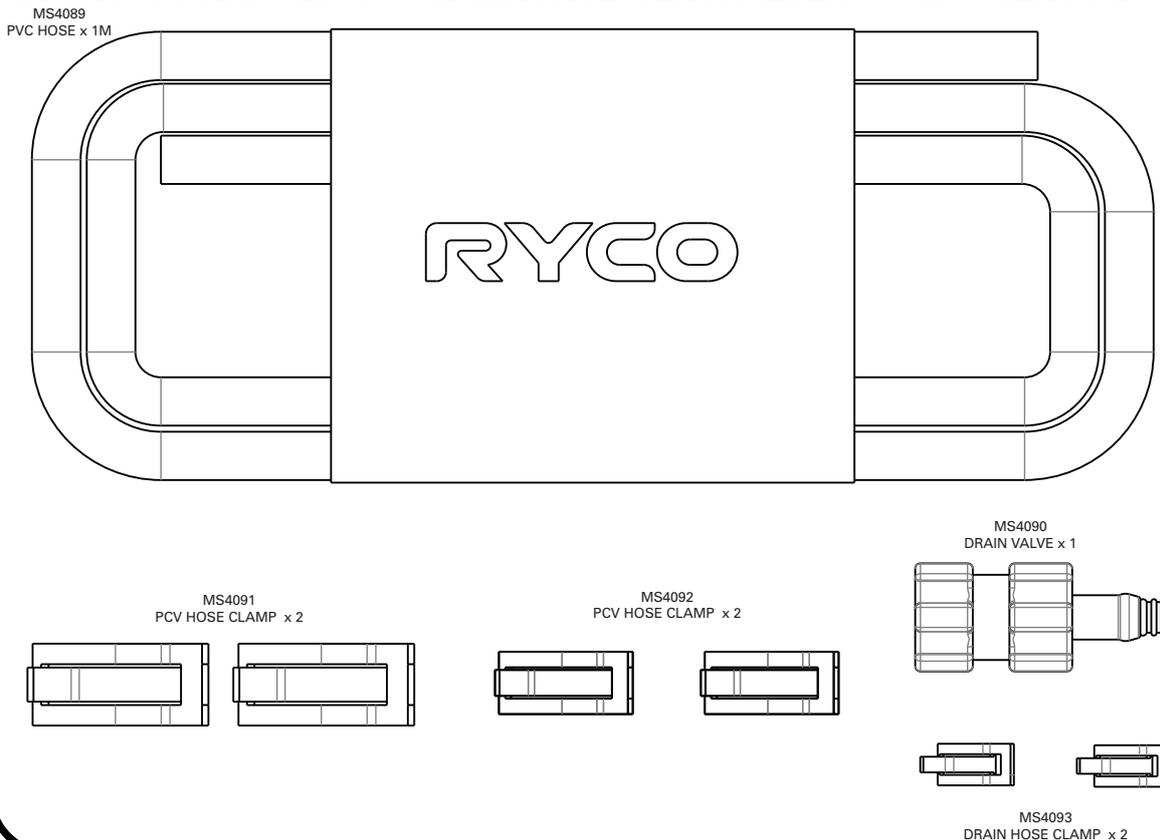


**COMPONENTS INCLUDED IN RVSK105 KIT
(NOT SOLD SEPARATELY)**

RVSK105 PARTS LIST - BRACKET / FUEL FILTER COMPONENTS BOX



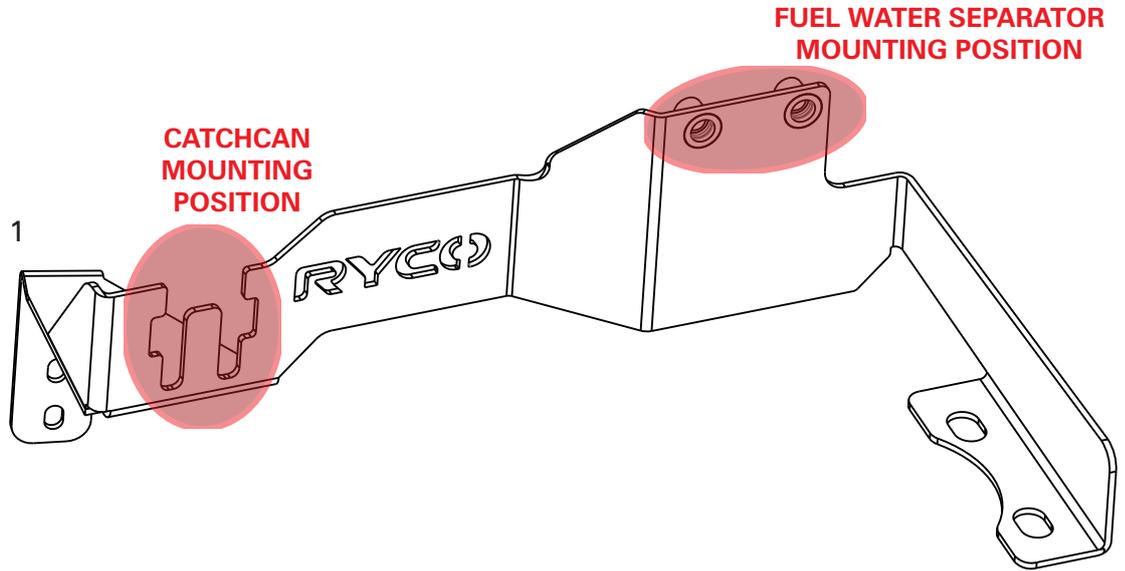
RVSK105 PARTS LIST - CRANKCASE VENT. FILTER COMPONENTS BOX



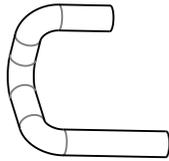
**COMPONENTS INCLUDED IN RVSK105 KIT
(NOT SOLD SEPARATELY)**

PARTS LIST - BRACKET, FUEL FILTER & CATCHCAN COMPONENTS

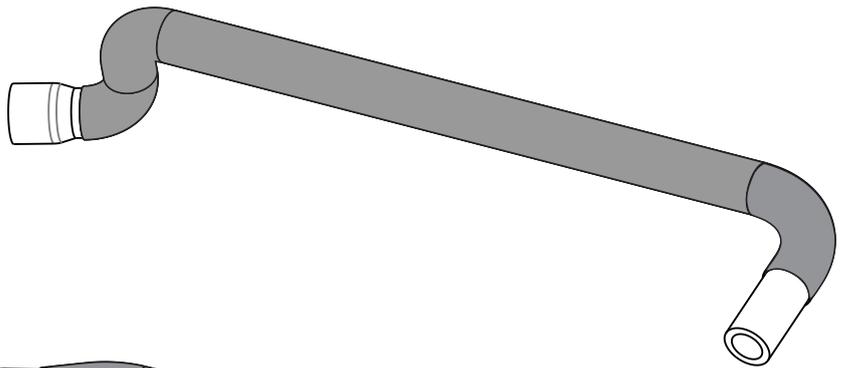
FB9802C
MOUNTING BRACKET x 1



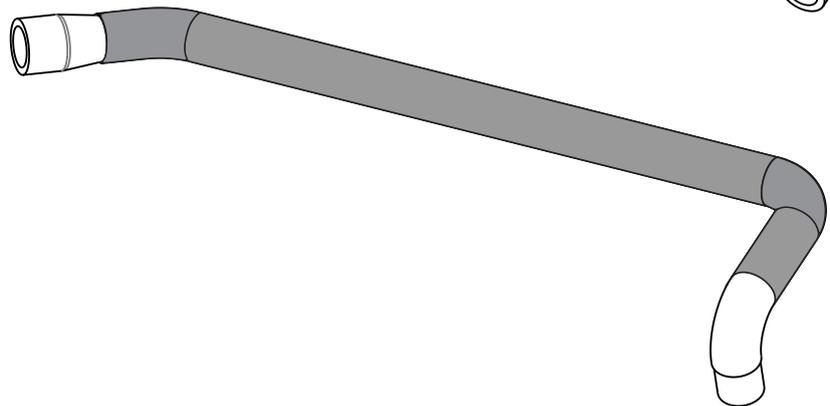
MF9802
FUEL HOSE x 1



MH9802A PCV HOSE x 1



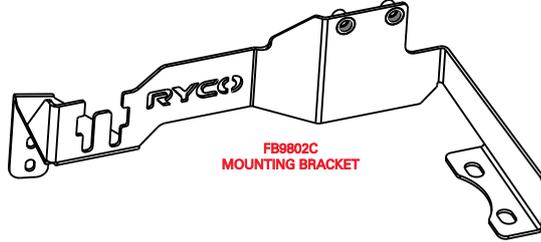
MH9802B PCV HOSE x 1



RVSK105 FUEL WATER SEPARATOR / CATCHCAN FITMENT INSTRUCTIONS

SECTION 1 METAL BRACKET FITMENT

PARTS REQUIRED



TOOLS & PPE'S REQUIRED

- * WORK GLOVES
- * RACHET SET

WORK PROCEDURE

1. Locate the wiring harness on the passenger side firewall, next to rear fuse box. Remove from the harness bracket by lifting up the locking tab using a screwdriver, then pull out the wiring harness from the bracket. (see Fig. 1). Remove the wiring harness bracket by undoing the two nuts. Store bracket for safe keeping.
2. Locate the factory fuel filter on the passenger side of the engine bay. Remove the two nuts (marked B in Fig. 2) securing the factory filter to the vehicle. Lift the factory filter housing and fit Ryco filter metal bracket in the same position as the factory fuel filter. Aligning the other end of the Ryco bracket holes to the wiring harness bracket studs. Place the factory filter housing on top of the Ryco filter bracket and loosely refit factory nuts previously removed. Secure the bracket onto the firewall by loosely installing two factory nuts (marked A in Fig. 2).

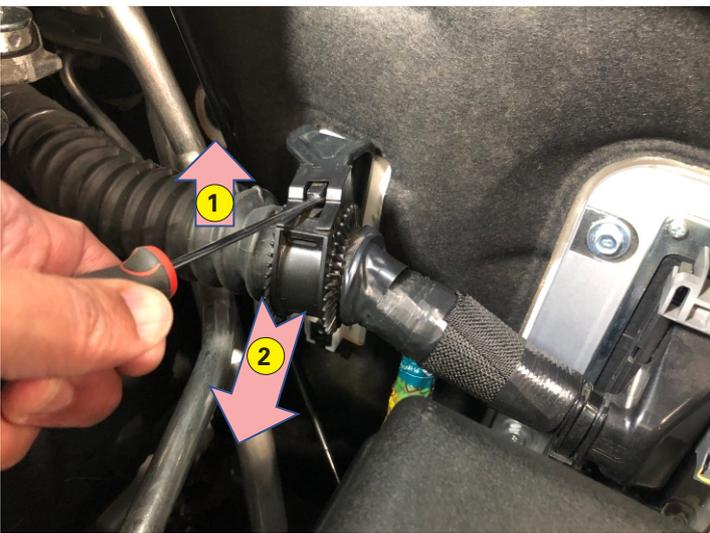


FIG. 1 WIRE HARNESS BRACKET IN ENGINE BAY

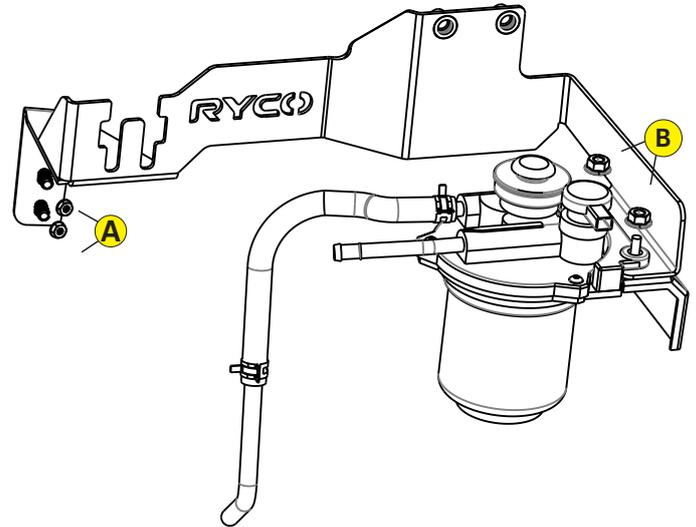


FIG. 2 BRACKET INSTALLATION

3. Tighten all fasteners

4. Secure the wiring harness to the Ryco metal bracket using a cable tie as shown in Fig. 3.

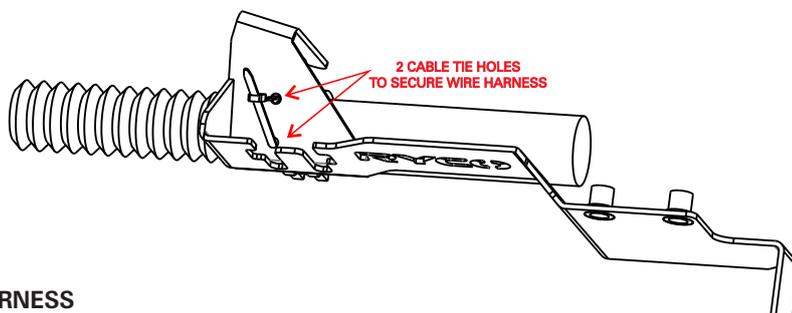
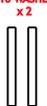
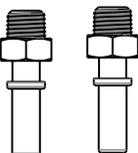
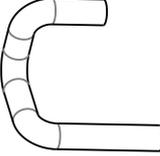


FIG. 3 SECURE WIRE HARNESS

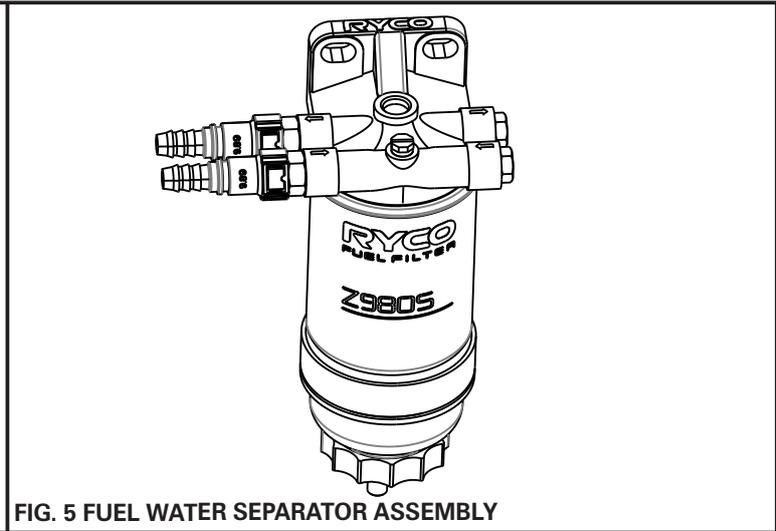
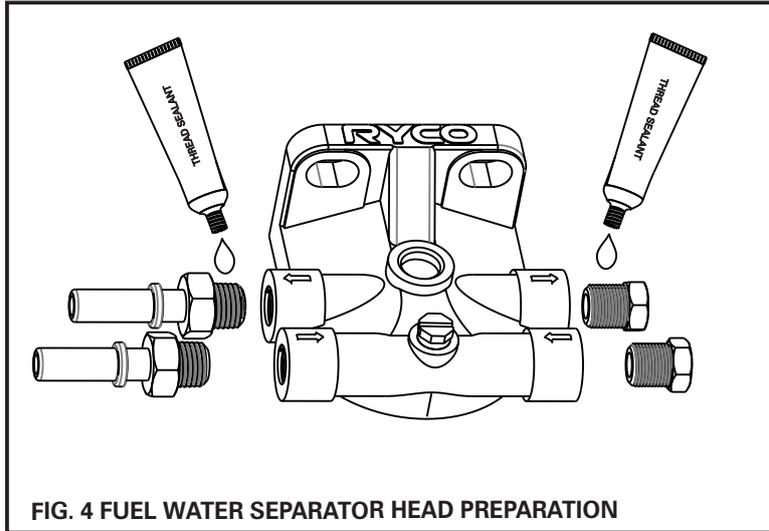
RVSK105 FUEL WATER SEPARATOR / CATCHCAN FITMENT INSTRUCTIONS

SECTION 2 FUEL WATER SEPARATOR INSTALLATION

PARTS REQUIRED		TOOLS & PPE'S REQUIRED	
 <p>1/4"-18 NPT PLUG x 2</p>  <p>M10 BOLT x 2</p>  <p>M10 WASHER x 2</p>  <p>M10 FLANGE NUT x 2</p>  <p>Z980SK FUEL WATER SEPARATOR (SOLD SEPARATELY)</p>	 <p>MS4086 / MS4096 QUICK CONNECTOR x 2</p>  <p>MS4041A FUEL HOSE CLAMP x 4</p>	 <p>MF9802 MOLDED FUEL HOSE x 1</p>  <p>MS4081 STRAIGHT CONNECTOR x 2</p>  <p>MS4043 THREAD SEALANT</p>	<ul style="list-style-type: none"> * WORK GLOVES * RACHET SET * HOSE CLAMP PLIERS * RAGS

WORK PROCEDURE

1. Select the supplied quick connectors that fit the Ryco fuel water separator head.
2. Locate the blanking plugs supplied with the fuel water separator.
3. Apply the supplied thread sealant to the thread of the blanking plugs and the quick connectors. Install them as per Fig. 4, ensuring they are tight.
4. Install the MS4081 straight connectors by pushing them onto the metal quick connector until you hear a "click" at the filter head assembly as shown in Fig. 5.



RVSK105 FUEL WATER SEPARATOR / CATCHCAN FITMENT INSTRUCTIONS

SECTION 2 FUEL WATER SEPARATOR INSTALLATION (CONTINUED)

WORK PROCEDURE (CONTINUED)

5. Mount the Z980SK fuel filter assembly onto the metal bracket using the two (2) black M10 bolts and washers supplied with the Z980SK.
6. Locate the factory fuel inlet hose at the factory fuel filter. Loosen the factory fuel hose clamp and disconnect the fuel supply line from the factory filter. Have a rag ready to capture any diesel that may spill out of the fuel line and the fuel filter inlet pipe. Connect the factory fuel inlet hose to the Z980SK inlet fitting, and secure with a fuel hose clamp. See Fig 6 for inlet hose routing.
7. Connect the supplied MF9802 fuel hose to the outlet port fitting of the Z980SK and connect the other end to the factory fuel filter inlet port and secure with a hose clamp. See Fig 7 for fuel hose routing.
8. Ensure all hose clamps are secure.
9. Locate the priming button on top of the factory fuel filter. Prime the fuel system by pumping the button repeatedly until you feel it go hard and become difficult to press any further. The priming process could take approximately 5 - 10 minutes.

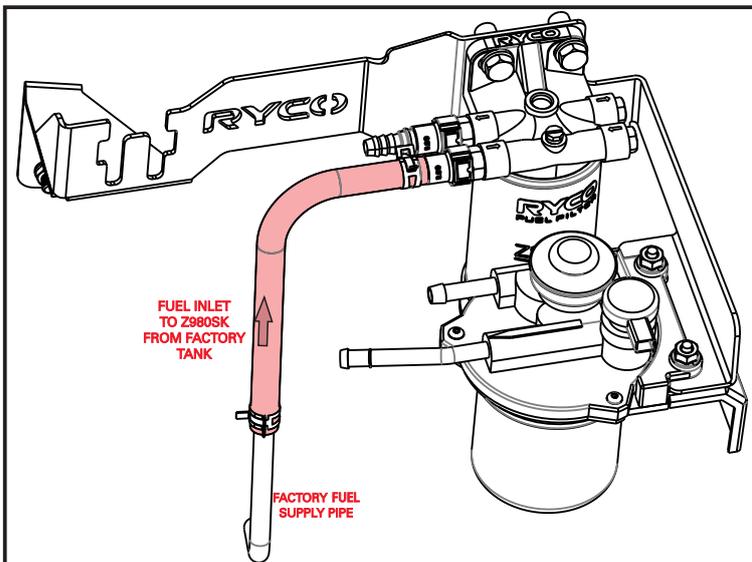


FIG. 6 FUEL INLET HOSE ROUTING

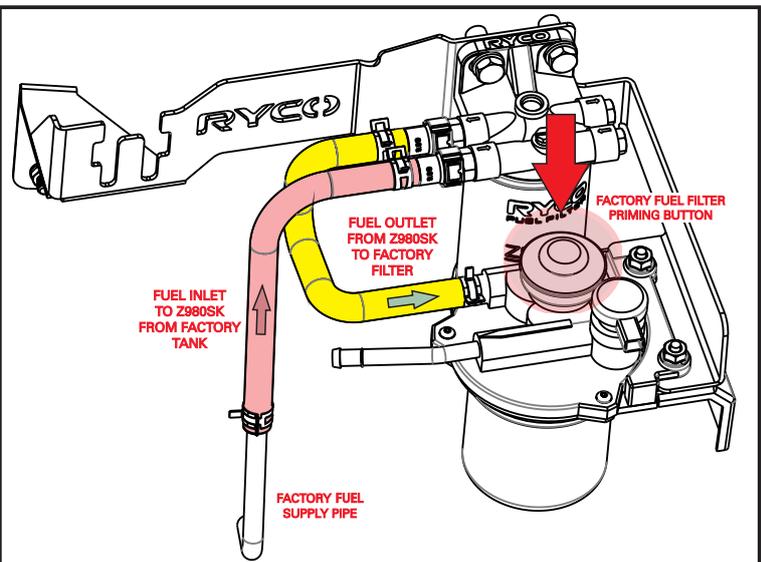
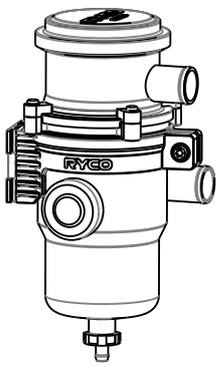
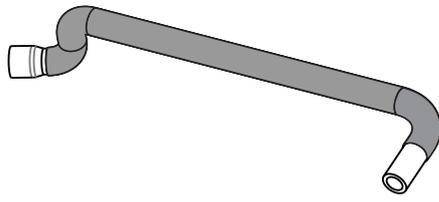
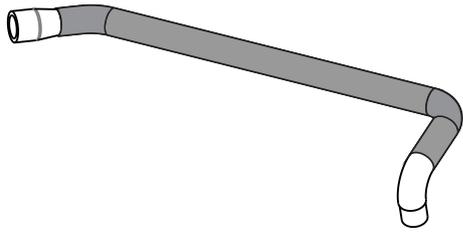
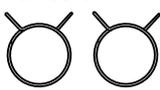


FIG. 7 FUEL WATER SEPARATOR INSTALLATION

10. Start the engine and check the Z980SK fuel filter, fittings and hoses for any leaks.

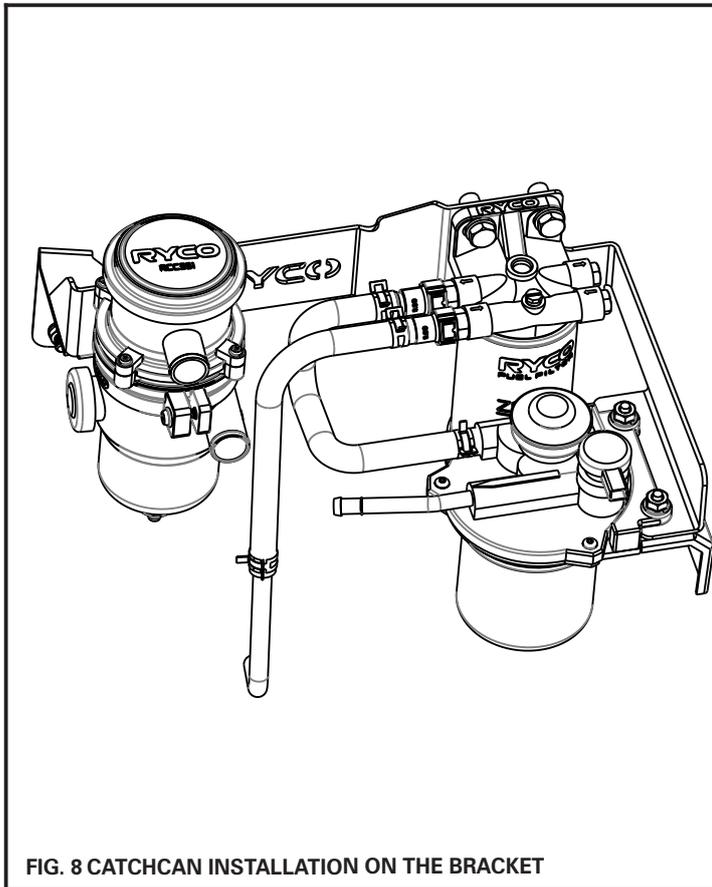
RVSK105 FUEL WATER SEPARATOR / CATCHCAN FITMENT INSTRUCTIONS

SECTION 3 CATCHCAN INSTALLATION

PARTS REQUIRED		TOOLS & PPE'S REQUIRED
 <p>RCC351 CATCHCAN (SOLD SEPARATELY)</p>	<p>MH9802A PCV HOSE x 1</p>  <p>MH9802B PCV HOSE x 1</p> 	<p>MS4091 PCV HOSE CLAMP x 2</p>  <p>MS4092 PCV HOSE CLAMP x 2</p> 
		<ul style="list-style-type: none"> * WORK GLOVES * RACHET SET * HOSE CLAMP PLIERS

WORK PROCEDURE

1. Mount the catchcan onto the RVSK bracket by sliding the RCC351 nylon bracket onto the catchcan mounting position. Rotate the RCC351 so the ports are facing toward the front of the vehicle, as per Fig.8 below.
2. Locate the factory PCV valve at the front of the engine, as per Fig. 9. Remove the factory PCV hose .

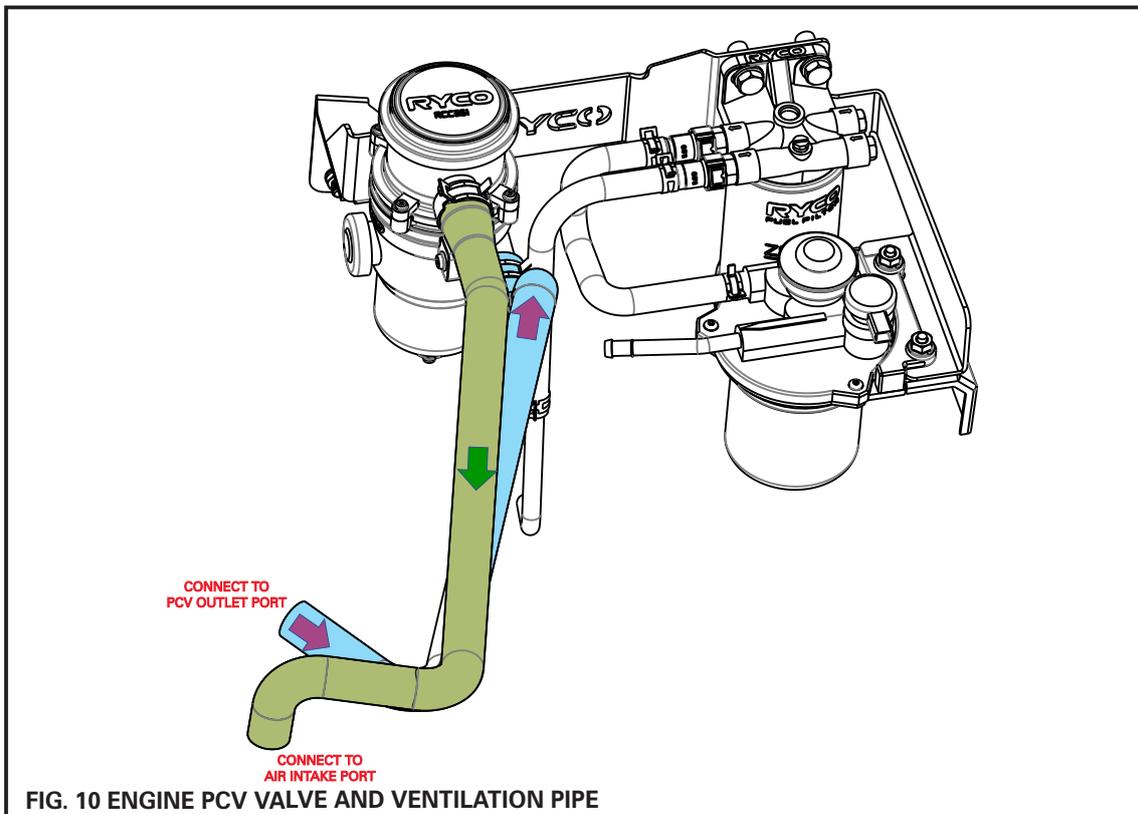


RVSK105 FUEL WATER SEPARATOR / CATCHCAN FITMENT INSTRUCTIONS

SECTION 3 CATCHCAN INSTALLATION (CONTINUED)

WORK PROCEDURE (CONTINUED)

3. Connect the larger diameter end of the MH9802A PCV hose (shown blue in Fig. 10.) to the RCC351 lower inlet port, and connect the smaller diameter end of the PCV hose to the engine PCV outlet port and secure with a supplied hose clamp.
4. Route MH9802B (shown green in Fig. 10.) along side MH9802A and connect the large diameter end to the upper port of the RCC351 and secure with a supplied hose clamp.
5. Check both PCV hoses are not jammed or kinked by the surrounding engine parts.



DRAIN HOSE INSTALLATION PROCEDURE (OPTIONAL)

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 the RCC351 off the RVSK bracket and remove the drain plug on the unit and let the oil drain onto a pan or bottle.