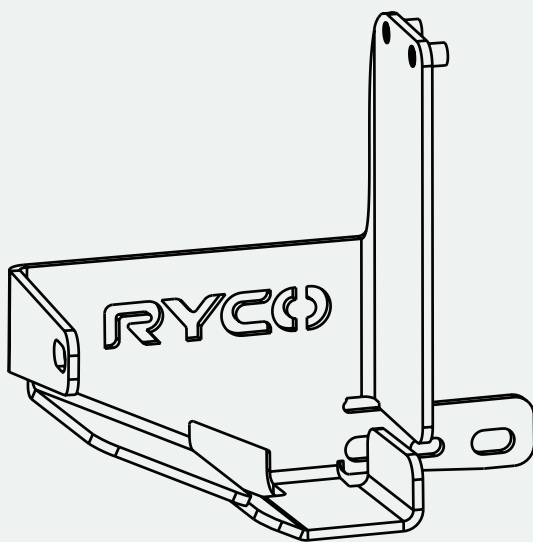
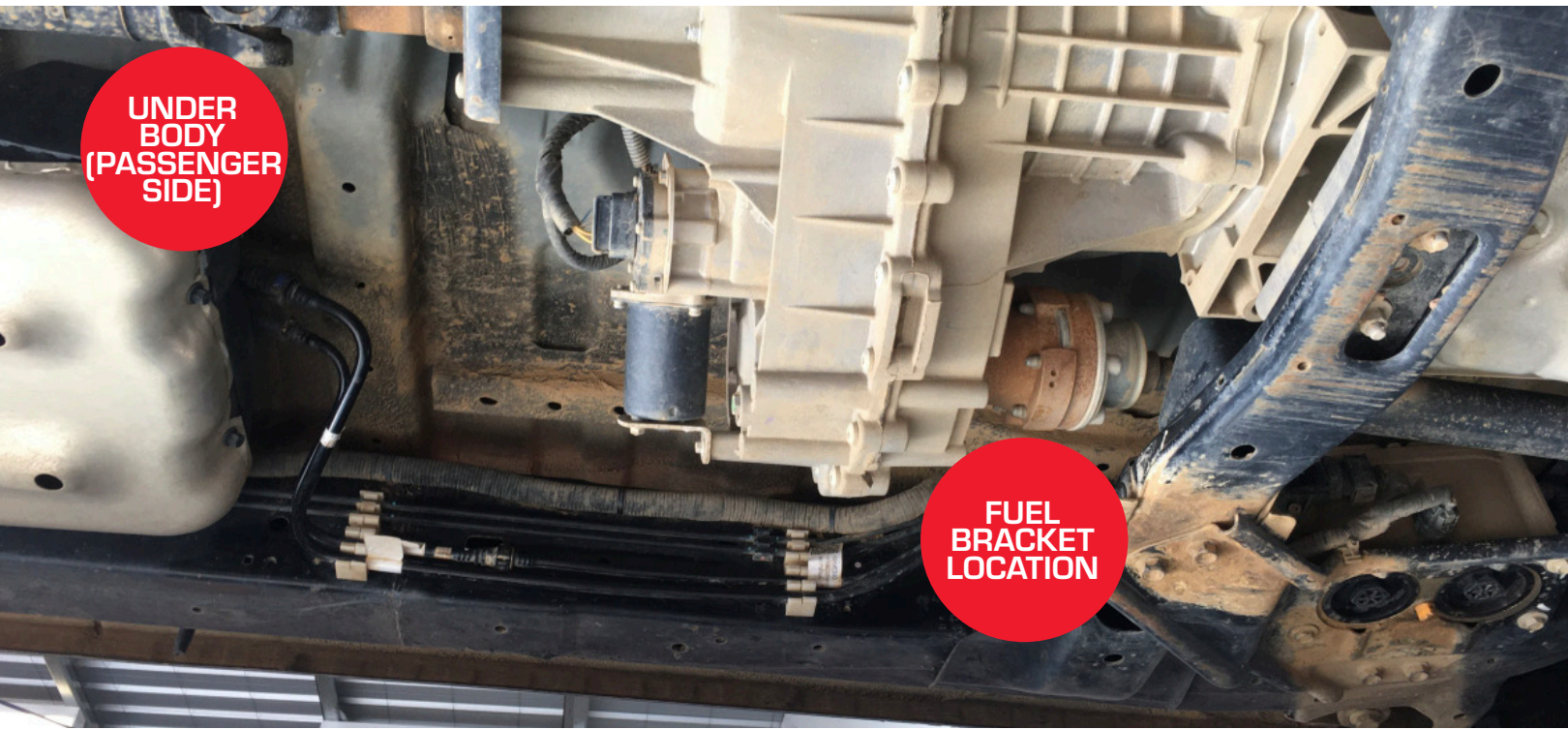


X113FW™

X113FW FUEL WATER SEPARATOR FITMENT INSTRUCTIONS

HOLDEN COLORADO RG - See RYCO catalogue for specific application details.

The Ryco X113FW kit includes mounting brackets specifically designed for the vehicle, and all components required to complete the installation of Ryco Z980SK16 series fuel water separator. It is recommended that the installation is conducted by a qualified mechanic following the procedures in this instruction sheet.



SECTION 1
FUEL MOUNTING BRACKET



SECTION 2
FUEL WATER SEPARATOR

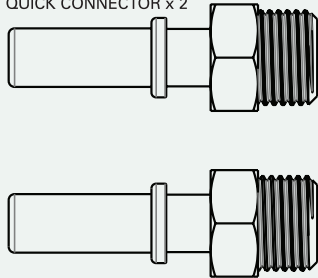
COMPONENTS INCLUDED IN X113FW KIT

X113FW PARTS LIST FUEL FILTER BRACKET & COMPONENTS BOX

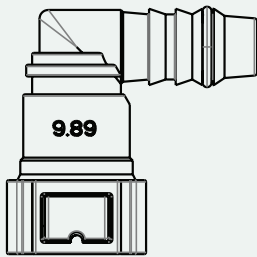
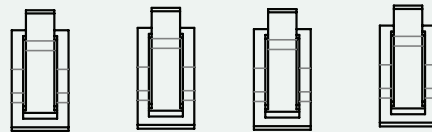
MS4044
CABLE TIE x 20



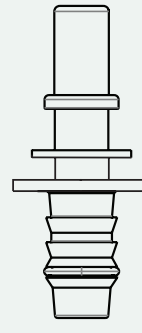
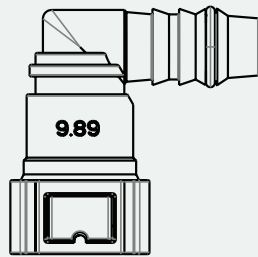
MS4096A
QUICK CONNECTOR x 2



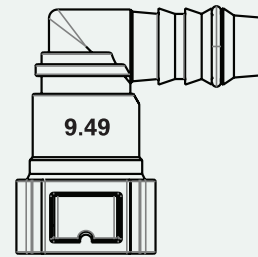
MS4041A
FUEL HOSE CLAMP x 4



MS4097
ELBOW CONNECTOR x 2

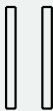


MS4111
MALE STRAIGHT
CONNECTOR x 1



MS4112
ELBOW CONNECTOR x 1

MS4043



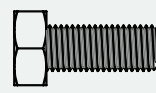
MS4113
FLAT WASHER x 2 (M10)



MS4036
FLAT WASHER x 1 (M6)



MS8008
FLAT WASHER x 1 (M8)



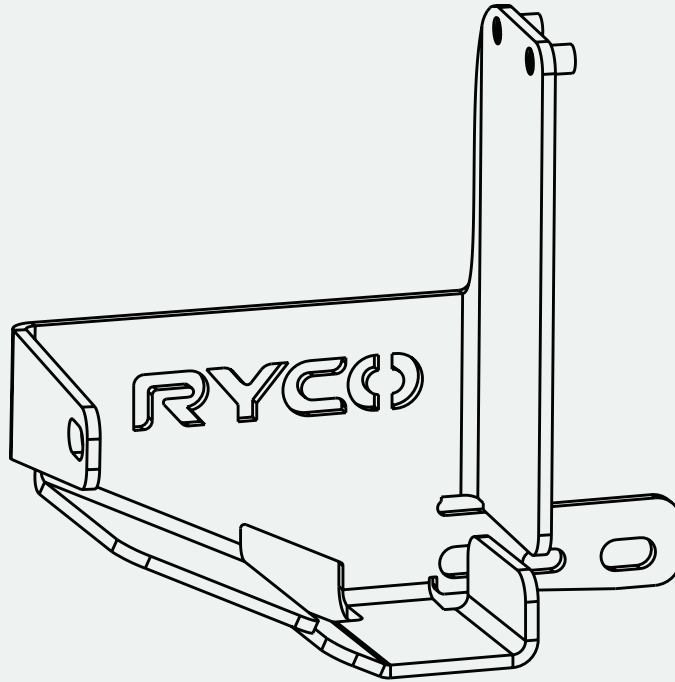
MS4038
HEX BOLT x 1 (M8 - 20mm)



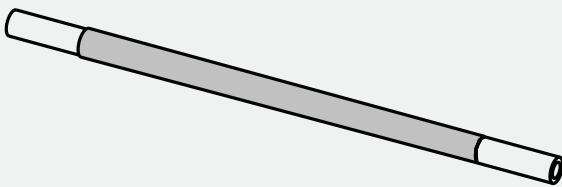
MS4099
NYLON LOCK NUT x 1 (M6)

COMPONENTS INCLUDED IN X113FW KIT

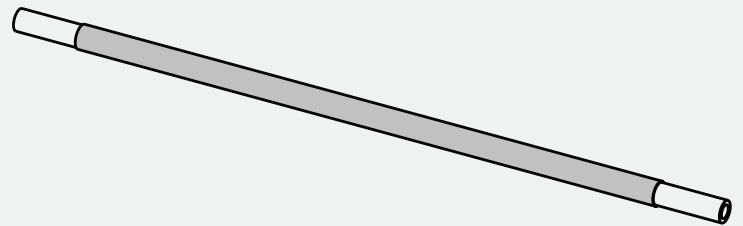
FB9805FC
FUEL MOUNTING BRACKET x 1



HF9805B
FUEL HOSE (166mm) x 1

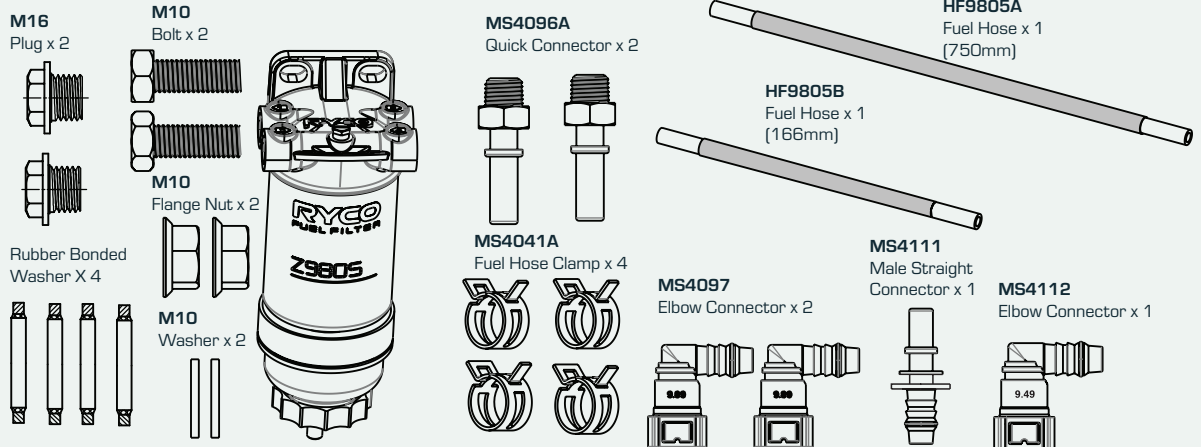


HF9805A
FUEL HOSE (750mm) x 1



SECTION 1 FUEL WATER SEPARATOR SETUP

PARTS REQUIRED



TOOLS & PPE REQUIRED

- Ratchet Set
- Work Gloves
- Hose Clamp Pliers

WORK PROCEDURE (1/3)

- 1 Select the supplied male quick connectors (MS4096A) that fit your Ryco fuel water separator head.
- 2 Locate the blanking plugs supplied with your Ryco fuel water separator.
- 3 Install the Ryco fuel water separator head with metal quick connectors, blanking plugs and rubber bonded washers as shown in FIG. 1A. Tighten blanking plugs (on port 2 & 3) and quick connectors (on port 1 & 4).
- 4 Install the following components to HF9805A and HF9805B as shown in FIG. 1B:
 Four (4) supplied MS4041A fuel hose clamps
 Two (2) supplied MS4097 elbow connectors
 One (1) supplied MS4112 elbow connector
 One (1) supplied MS4111 straight connector
 Once all components are installed, secure the quick connect fittings with the MS4041A hose clamps.

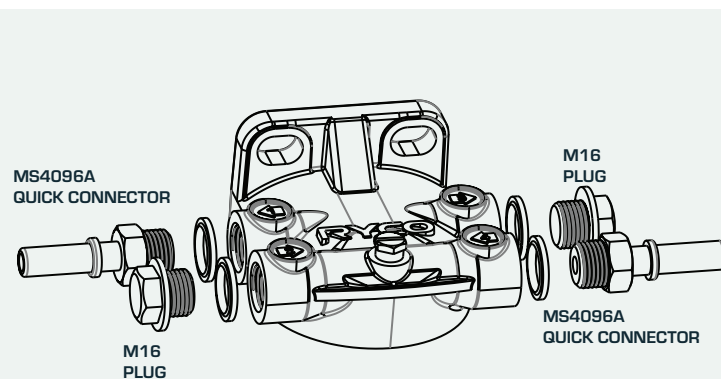


FIGURE 1A
FUEL WATER SEPARATOR HEAD PREPARATION

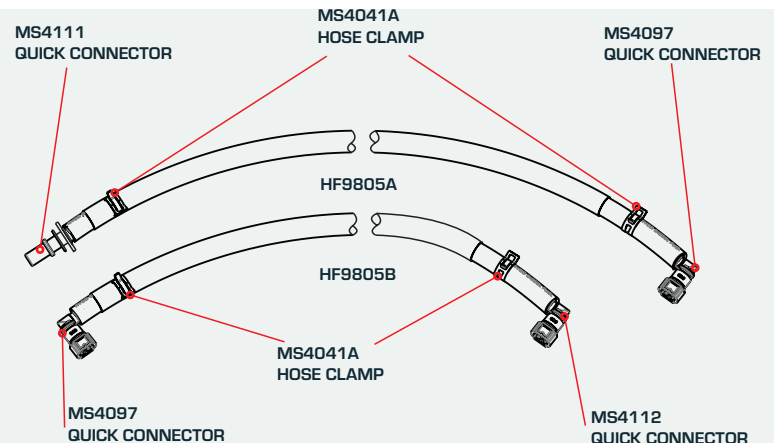
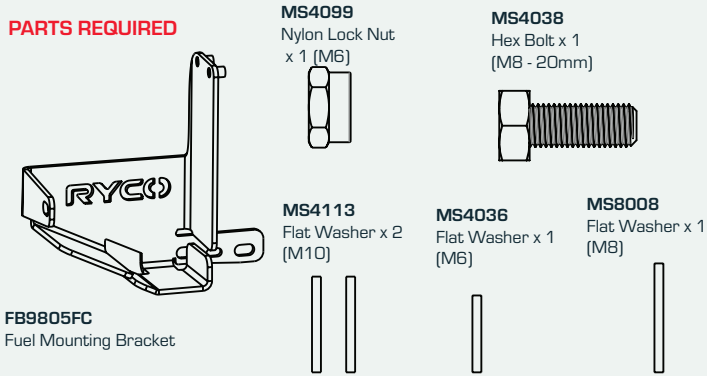


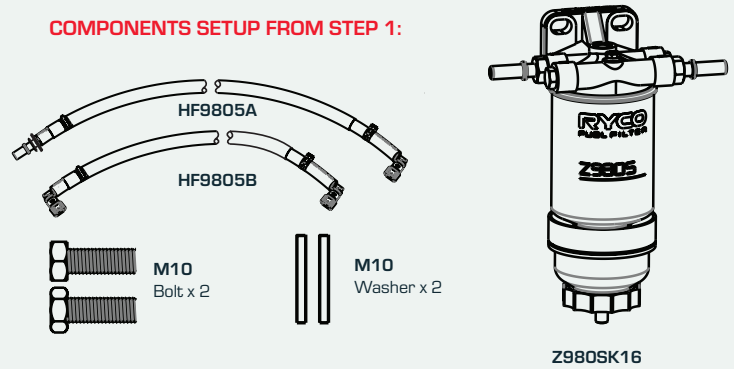
FIGURE 1B
FUEL HOSE PREPARATION

SECTION 2 FUEL MOUNTING BRACKET, FILTER AND FUEL HOSE FITMENT (1/4)

PARTS REQUIRED



COMPONENTS SETUP FROM STEP 1:



TOOLS & PPE REQUIRED

- Ratchet Set
- Work Gloves
- Hose Clamp Pliers
- Open Spanner
- Rags

WORK PROCEDURE (1/3)

- 1 Remove the OEM fuel supply hose (highlighted green in FIG. 2A & 2B) by pushing in the quick connector tabs at each end to release them.
- 2 Remove nuts B and D shown in FIG. 2C. Make sure to keep these nuts aside for use later. Refer to FIG. 2D on removal suggestion, using open spanner on one side and ratchet on the other. (Note make sure to have rags ready as fuel in the fuel line will leak out.)



FIGURE 2A
OEM INLET FUEL LINE REMOVAL (TANK VIEW)



FIGURE 2B
OEM INLET FUEL LINE REMOVAL (OEM FILTER HOUSING VIEW)

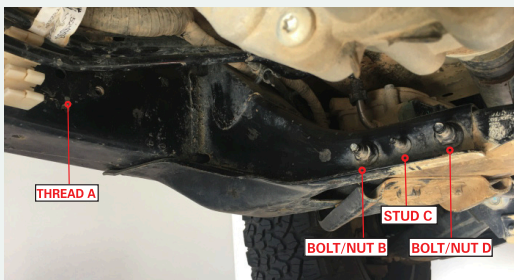


FIGURE 2C
FUEL BRACKET INSTALL AREA



FIGURE 2D
NUT REMOVAL

SECTION 2 FUEL MOUNTING BRACKET FITMENT (2/4)

- 3 Using the M10 bolts and washers supplied in the Ryco Z980SK16 fuel water separator kit, attach the Z980SK16 to the FB9805FC bracket as shown in FIG. 3A.
- 4 Locate FB9805FC bracket to vehicle as shown in FIG. 3B
- 5 Install the following components to FB9805FC bracket as shown in FIG. 3C
 - *MS4099 x 1
 - *MS4038 x 1
 - *MS4113 x 2
 - *MS4036 x 1
 - *MS8008 x 1
 - *OEM NUTS x 2 (The nuts removed in Step 2)

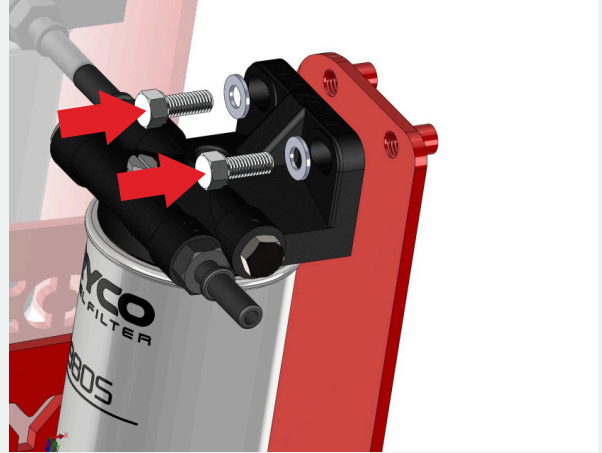


FIGURE 3A
CATCH CAN BRACKET SLOT A INSTALLATION

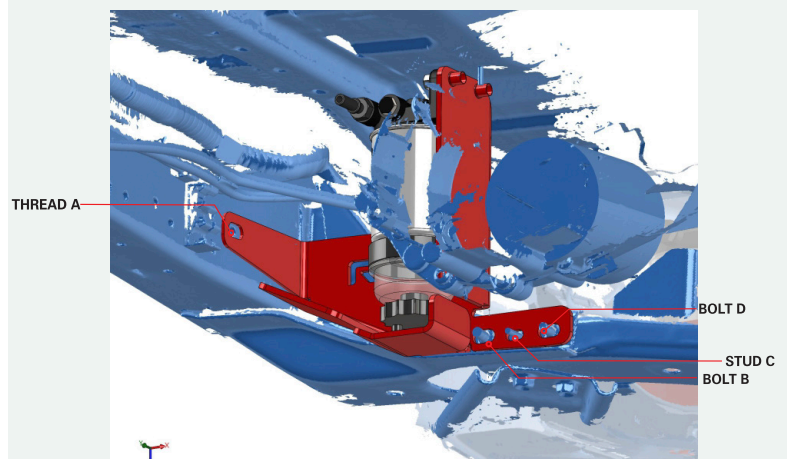


FIGURE 3B
CATCH CAN BRACKET SLOT B & C INSTALLATION

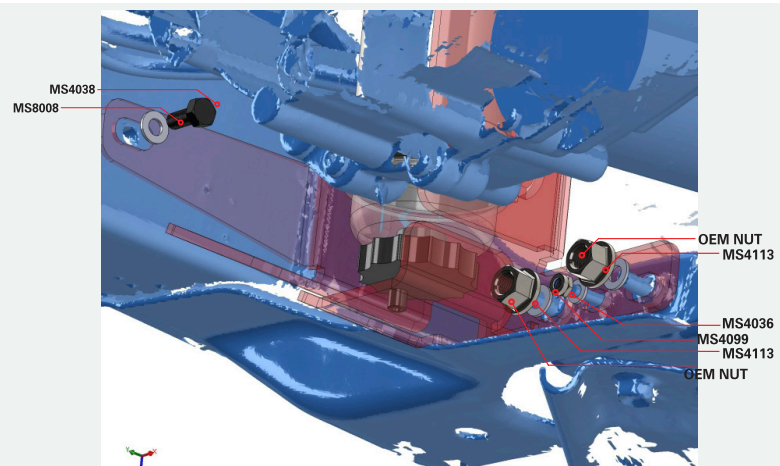


FIGURE 3C
CATCH CAN BRACKET SLOT B & C INSTALLED

SECTION 2 FUEL MOUNTING BRACKET FITMENT (3/4)

WORK PROCEDURE (1/2)

- 6 Install HF9805A fuel hose by connecting MS4111 straight connector side into the fuel tank outlet connector, then proceed to connect MS4097 elbow connector side into the Z980SK16 inlet port. Refer to FIG. 4A and 4B. Ensure you press both fittings on firmly until you hear a 'click'. FIG. 4B shows suggested locations for zip ties to hold HF9805A fuel hose.
- 5 Install HF9805B fuel hose by connecting the MS4097 elbow connector to the Z980SK16 outlet port, then proceed to connect the MS4112 elbow connector to the OEM filter housing inlet. Press them on firmly until you hear a 'click'. Refer to FIG. 4C.

HF9805A

FUEL TANK
OUTLET



FIGURE 4A
HF9805A HOSE INSTALLATION (FUEL TANK SIDE)

ZIP TIES x 2

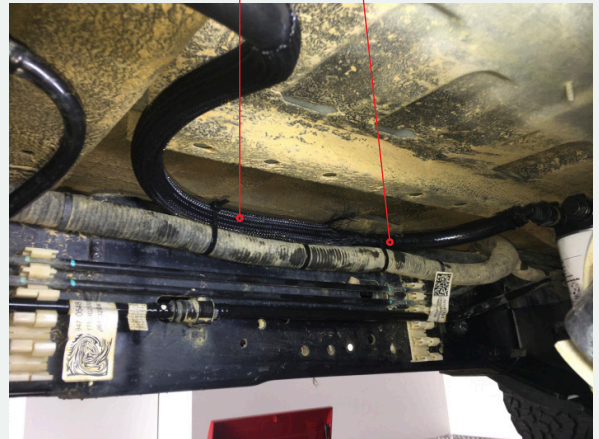


FIGURE 4B
HF9805A HOSE INSTALLATION (FUEL BRACKET SIDE)

HF9805B



FIGURE 4C
HF9805B HOSE INSTALLATION

SECTION 2 FUEL MOUNTING BRACKET FITMENT (4/4)

WARNING: The fuel system MUST BE PRIMED prior to starting the engine.

- 8 To prime fuel system turn ignition key into ON/RUN position for a few seconds, then turn ignition key into OFF position. Repeat this step three times to ensure prime.
- 9 Turn ignition key to START position. If engine does not turn on, or is running sluggish, repeat step 8.
- 10 With the engine running, inspect the Z980SK16, fuel fittings and fuel hoses for any leaks.

