

KRX 1000 FUEL SYSTEM

This is a complete aftermarket fuel system Brute performance is not responsible for install errors, defects, or any damages that may result from this system

This basically means please understand the primary fuel system components, their intended usage and installation requirements

you're dealing with a fuel system, don't blow yourself up!

THIS IS A BOLT IN PLUG IN SYSTEM

The hardest part will be re wiring the connector for the fuel pump

FUEL PRESSURE IS SET TO 43 PSI



Kit includes

New pump assembly with connector for wiring

Filter assembly

Fuel rail

Regulator

All lines necessary

The pump assembly is located under the passenger seat

Remove the seat and remove the plastic cover to gain access to the pump assembly

Washing the area is recommended before you disassemble anything

Dirt and grime are not your friend

You will also need to remove the bed cover to gain access to the fuel rail

Wash this area before removing anything

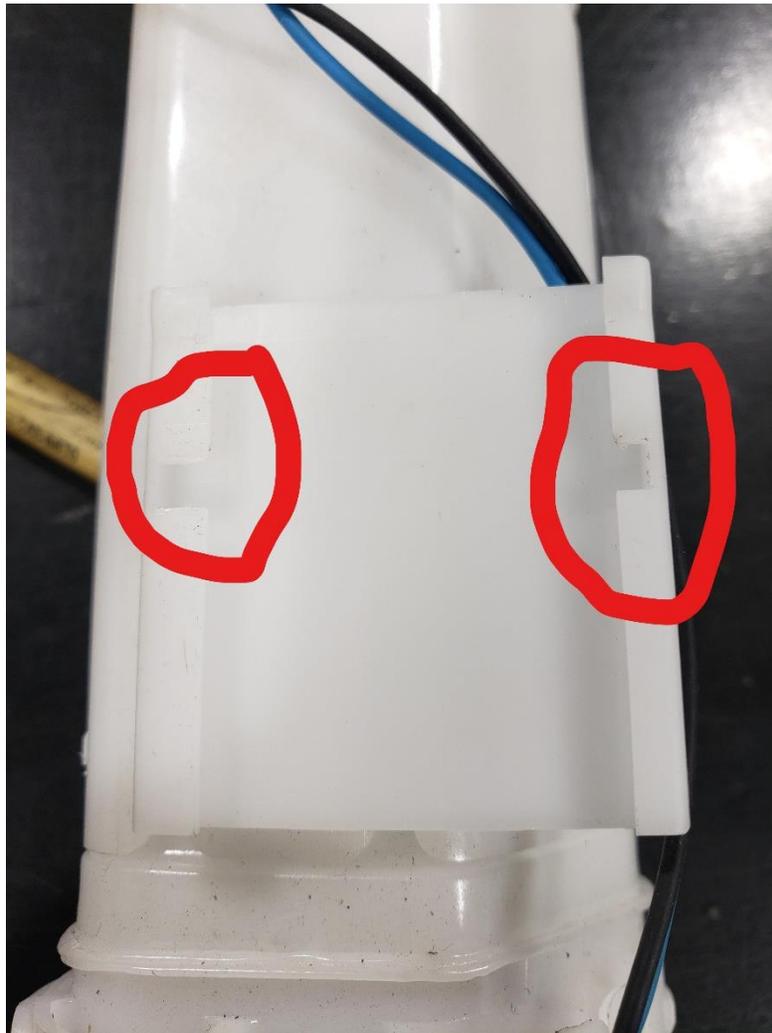
The first steps will be moving over the level sensor from the factory housing to your new housing

Re using the stock level sensor is required. Moving it over is straight forward

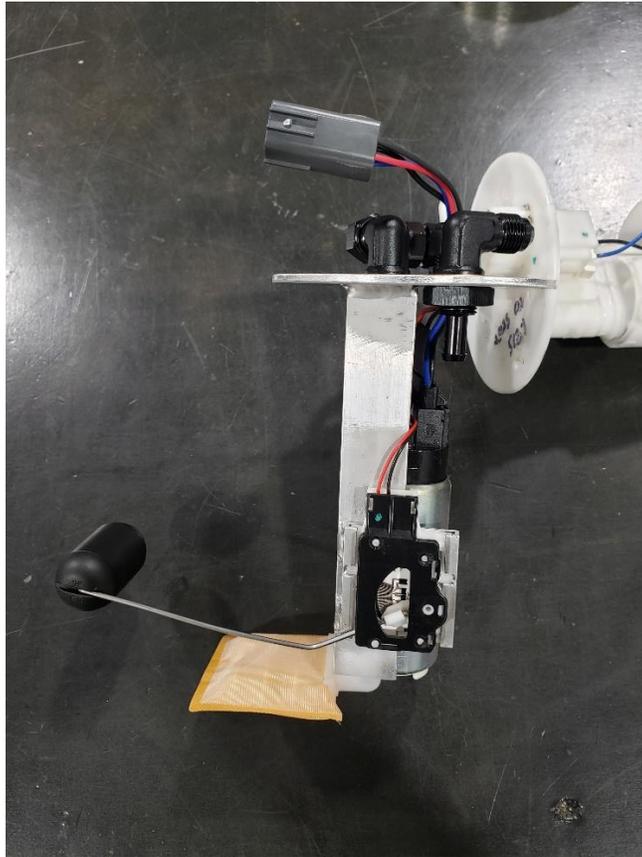
The level sensor has two tabs holding in into the plastic housing

Unlock the sensor and slide it out of the stock housing

Unplug the connector from the stock housing



Install the sensor to the new housing as shown



Unpin the connector from the level sensor



Unpin the connector from the wiring

There is a small tab in the front side of the connector that keeps the terminal in place

Using a small pick or screwdriver push down on the tab and remove the terminal from the connector



Insert the terminals into the new connector provided

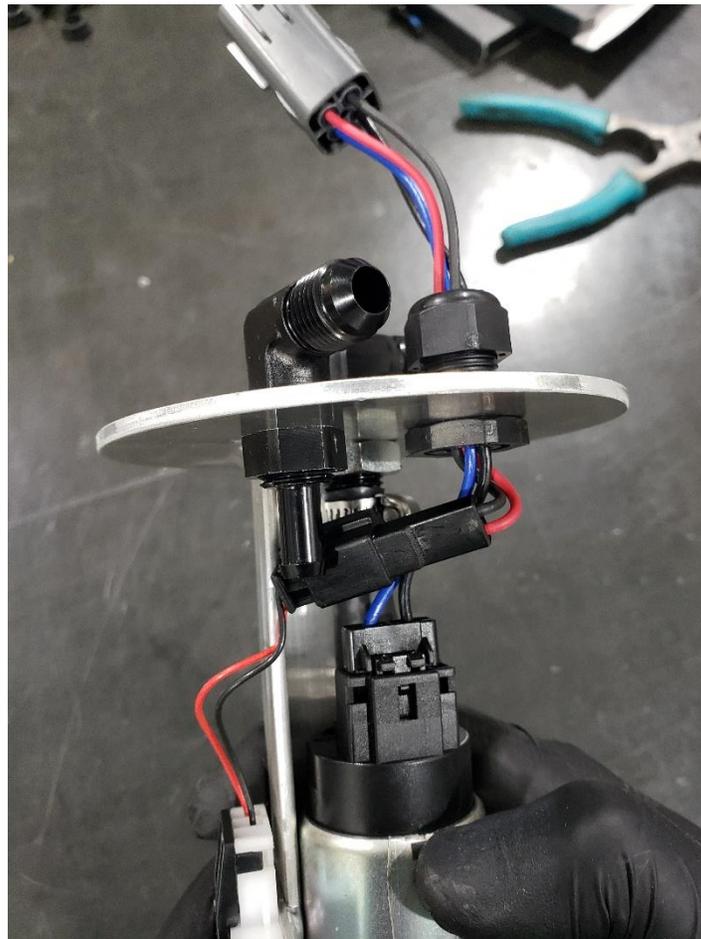
Red to red, black to black

The new connector has the same tab holding in the terminals if you need to remove it.

You should hear a click on the terminal once installed correctly

Do not force the terminals in the housing. They only go one way

Once you've installed both terminals into the new connector housing plug it into the mating connector in the pump assembly



Next install the new pump assembly

There is a small notch in the new assembly, align that with the notch in the hold down ring to achieve proper orientation



Next you will re pin the machine side of the fuel pump connector

(They don't make a male side of the pump connector, otherwise we would supply that and not have to do these steps)

Undo the protective cover

Remove the white retainer



Using the pick remove the terminals from the connector housing

Same style tab holds the terminals in the housing



Stock connector wiring is as follows

BLUE-Upper left- level sensor positive

WHITE/RED STRIPE- upper right- fuel pump positive

BLACK/YELLOW STRIPE-lower left- level sensor ground

BLACK/YELLOW STRIPE-lower right- fuel pump ground

DO NOT MIX UP GROUNDS IN INSTALL



Install the terminals in the new connector as shown

Note the orientation of both connectors

Retainer clips are on the left side



PLEASE MAKE AN EFFORT TO VISUALLY UNDERSTAND THE
WIRING FLOW OF THIS PART

MAKE SURE YOUR WIRING MATCHES THE PICTURES AND
YOU CAN VISUALLY SEE REDS TO REDS, BLACKS TO BLACKS

PUMP WIRING AND LEVEL SENSOR WIRING

FAILURE TO WIRE THIS CORRECTLY MAY RESULT IN NON-
OPERATION

That's the hardest part of this whole kit,

Next will be the fuel filter

Two self tappers for the bracket on the passenger side as shown



Run your fuel line in the same manner as the hard line

There is a space for the line to come out the bottom back side to your fuel filter



Run your hose from the fuel filter and follow the stock fuel line up to the fuel rail

You can remove the stock rubber fuel line and replace its location with the new fuel line

You will need to remove the bed cover to gain access to the fuel rail

Wash this area before removing anything

Replace the fuel rail, install lines

Inlet is on the driver side

Outlet is passenger side



Make sure the rubber washers get transferred to the new rail



Install the regulator on the passenger side coolant hose



Drill a ¼ inch hole in the bracket as shown and install the regulator with nut and bolt provided



You can install the gauge and leave it if you desire,
If not, after setting fuel pressure re use the provided plug



Install the line from the fuel rail to the 90 fitting on the regulator

Run the return line from the pump assembly to the bottom straight fitting on the regulator

CHECK ALL CONNECTIONS TO MAKE SURE THEYRE TIGHT

PRIME THE SYSTEM

PUMP WILL RUN FOR THREE SECONDS WHEN KEY ON

AFTER THE MACHINE IS STARTED SET PRESSURE

SET PRESSURE TO 43 PSI

ANY QUESTIONS CALL US AT 8652792237