Video 1 (Preparing the hose pulling tool)

Cut a 2X4 to 32 inches long.

Measure from one end and mark at 1.25 inches and 30.5 inches.  Add a centerline to both marks.

Drill 9/16 holes at both marks.

Take the Haul master hand winch from Harbor Freight (62592-1/2 ton) and unwind the cable.

Remove the cable from the winch.

Replace the cable with 20’ of 3/8 poly rope.

Feed the rope into the winch and fasten with the clamp.

Remove one strut bolt and nut from one of the donor knuckles.

Open the stage 1 hardware box and find the K23A radiator hose hardware baggie.

Take out the small aluminum ring and uncoated nut.

Run the nut onto a subframe bolt until it bottoms out.

Slip the aluminum ring onto the rope and tie a large knot.

Video 2 (Installing the hose pulling tool)

Roll the chassis upside down.

Place a sawhorse under the front end of the chassis.

Bolt the 2X4 to the rear of the chassis.  Use the subframe bolt on the rear and the strut bolt on the front.

Attach the winch.

Pull the rope over the front of the chassis and crank the winch until 2-3 feet remain at the front.

Run a heavy gauge wire through the frame rail and pull the rope through the frame to the front of the chassis.

Video 3 (Pulling the main hoses through the frame)

Cut one end of the hose at an angle.  Start about 4 inches from the end of the hose.

Push the rope into the hose and slide the aluminum ring over the hose.

Slide the ring about 2 inches onto the hose.

Tighten 3 zip ties between the aluminum ring and the end of the hose.

When you install the ring, the hose will pucker up, trim this pucker so the hose fits into the frame rail.

Drop the hose into a plastic bin and crank the winch until the hose is a few inches from the frame rail.

Spray a liquid silicone spray, like liquid wrench, into the frame rail for a few seconds.

Insert the hose into the frame rail and coat the rest of the hose with the silicone spray.

Crank the winch to pull the hose through the frame rail.  You need a least 4 inches of usable hose sticking out.

Don't forget the hose will pull back into the frame rail when the tension is released.

Cut the rear of the hose at 4 inches and the front of the hose at 5 inches.

Repeat the process for the other side.

Video 4 (Preparing the floor panels and bulkhead)

Place the rear floor section on the frame with the rear lip pointed at the ground.

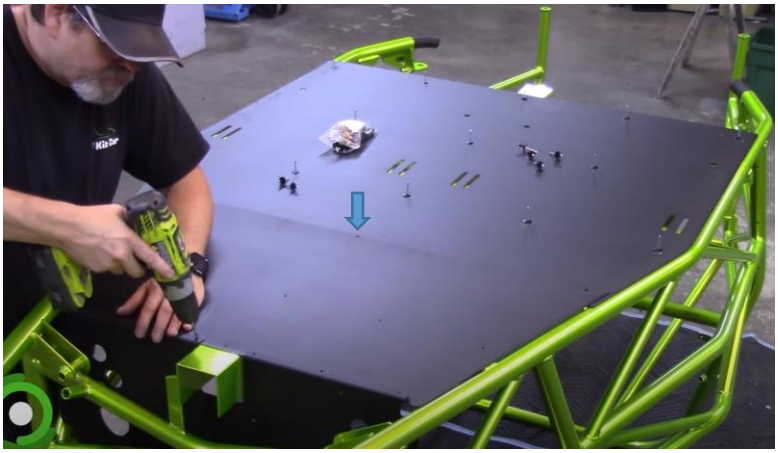
In the stage 1 hardware box, find the bag with 60 FC7A rivets and the bag marked K21A.

Run a 3/16 drill bit through each rivet hole and temporarily install the rivets.

There will be 3 empty 3/16 holes at the front of the floor pan.

Place the front floor section on the chassis.

Lift the bulkhead into the chassis and place it on top of the front floor section.



Run the 3/16 drill bit through the holes in the bulkhead and temporarily install rivets.

Do the same for the 2 middle rivet holes for the front floor section.

Swap to a ¼ drill bit and clean out the middle rear hole in the front floor section (blue arrow) and temporarily install one of the screws from the K21A baggie.

Do the same for the outer 2 holes (left and right of the blue arrow).

Change back to the 3/16 drill bit and finish the remaining holes in the front floor section.

Run the drill bit through the front holes in the bulkhead.  There are 2 holes per side.

Pull out all the screws and rivets.

Remove the floor panels and set them aside.