

REDHAWK

4 Passenger Stretch Bolt-on Kit, GAS

PART #RH080CCPRBOG

CLUB CAR - PRECEDENT

INSTALLATION INSTRUCTIONS



TITLE:		
RH080CCPRBOG INSTALLATION INSTRUCTIONS		
DRAWN BY:	DATE:	DWG NO.
R. HAERER	JAN 17, 2017	#7661
SHEET:	SCALE:	
1 of 22	Not To Scale	

Save all fasteners for later use.

Step 1. Tearing down your car.

Remove seat, top & seat back.
Disconnect battery.
Remove rear legs, bagwell top & posts.
Disconnect F/R switch.
Disconnect canister from tub crossbar.
Remove rear body.



Remove gas tank.
Remove crossbar and battery.
Remove solenoid from tub and disconnect other wires/connectors. (make notes as necessary)
Disconnect choke.



Remove floor mat and front trim.
Remove floor panel.
Disconnect tail light wires/connectors.
Remove rear bumper.
Remove tub.



Remove dash, front cowl and trim.
Remove peddle pad.
Disconnect brake rod & throttle cable.
Secure cables to engine.



Remove rear assembly supports.
Remove steering wheel.
Remove floor & clean chassis if needed.



TITLE:

RH080CCPRBOG INSTALLATION INSTRUCTIONS

DRAWN BY:

R. HAERER

DATE:

JAN 17, 2017

DWG NO.

#7661

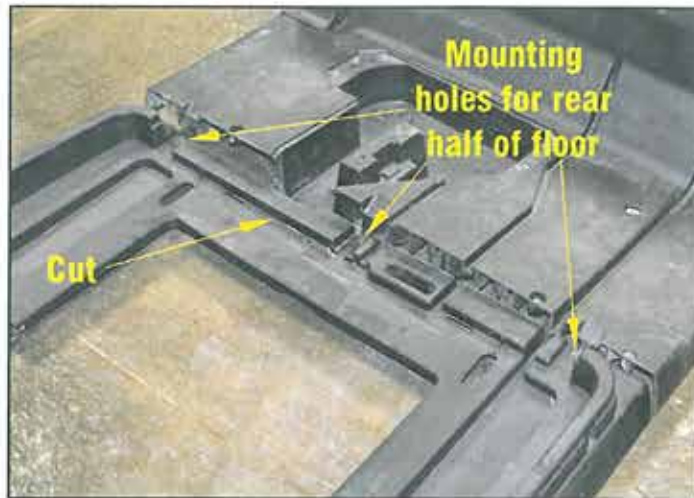
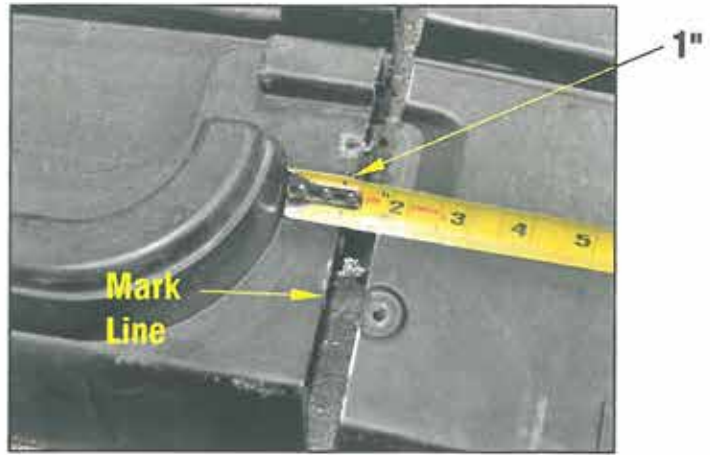
SHEET:

2 of 22

SCALE:

Not To Scale

Step 2. CRITICAL STEP - Cut plastic floor in half. Mark cutting line 1" to the rear of the curved edge as shown.



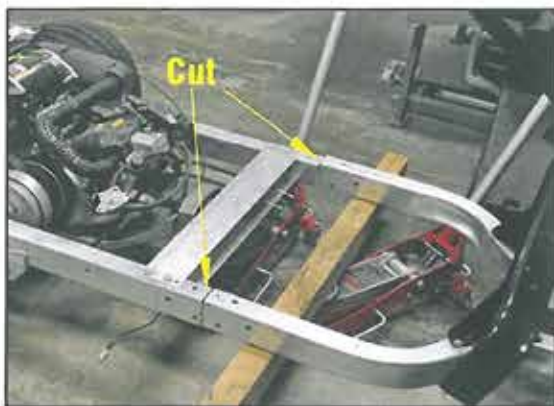
Remove Rib (both sides)

Step 2b. Under front half of floor, cut out 5" of inner rib down to wire channels on BOTH SIDES.

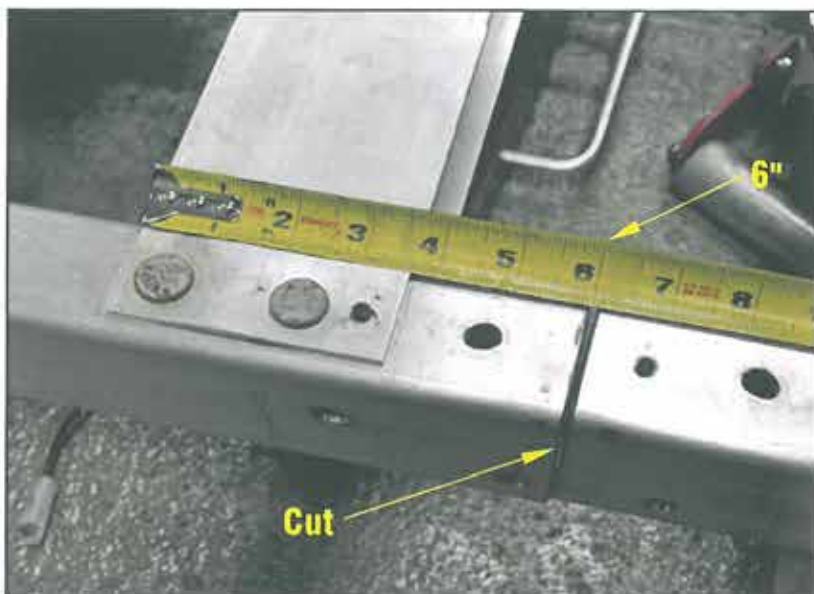


TITLE:		
RH080CCPRBOG INSTALLATION INSTRUCTIONS		
DRAWN BY: R. HAERER	DATE: JAN 17, 2017	DWG NO. #7661
SHEET: 3 of 22	SCALE: Not To Scale	

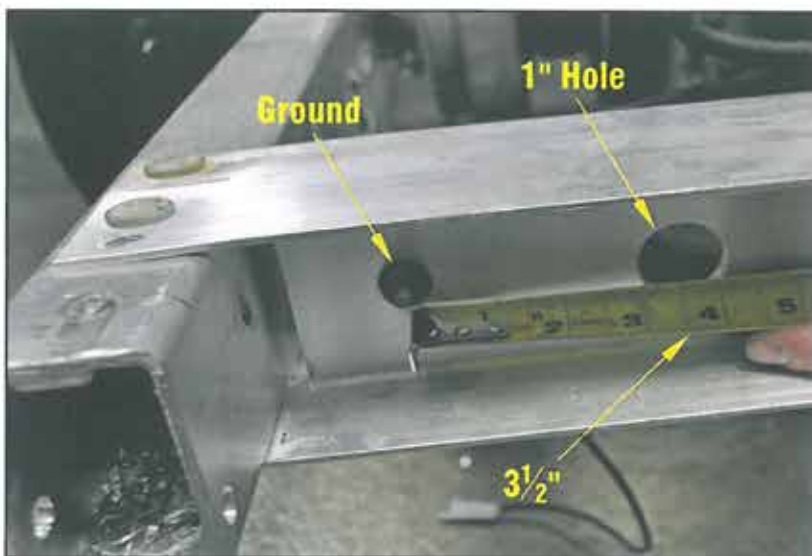
Step 3. CRITICAL STEP - Mark 6" back on frame as shown. Carefully cut frame in two. Be sure to make the cut square with the frame. Support the frame with floor jacks.



The rear of the car is now separated from the front.



Step 4. Drill 1" hole for FNR cable 3½" from factory ground (centered in channel).



TITLE:		
RH080CCPRBOG INSTALLATION INSTRUCTIONS		
DRAWN BY: R. HAERER	DATE: JAN 17, 2017	DWG NO. #7661
SHEET: 4 of 22	SCALE: Not To Scale	

Lubricate all fasteners.

Step 5. Slide Driver and Passenger extension rails (Part #6597) onto rear frame until they stop. The inside of the extension goes inside the factory channel. Be sure that the extensions are straight and level with the frame. Use holes in the extensions as guides and drill two (2) $\frac{3}{8}$ " holes through the factory channel from the top (Location "A"). Insert two (2) $\frac{3}{8}$ " x 4" hex head bolts, four (4) $\frac{3}{8}$ " flat washers and two (2) $\frac{3}{8}$ " lock nuts. Do not tighten.

D = Driver

DF = Driver Front

DR = Driver Rear

P = Passenger

PF = Passenger Front

PR = Passenger Rear



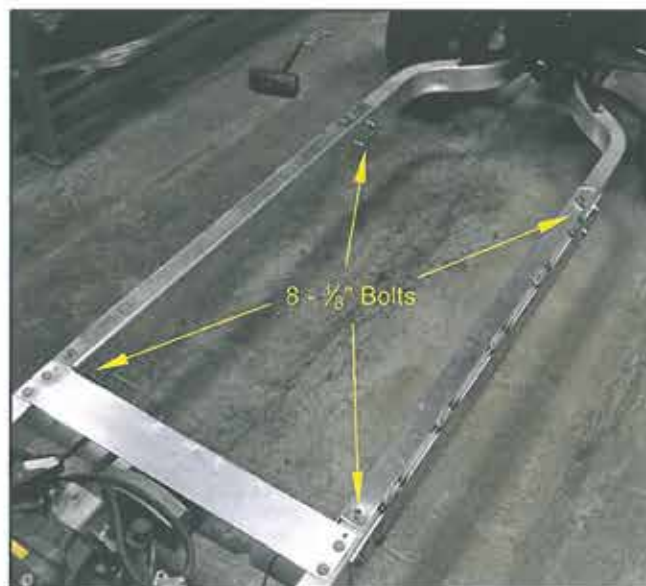
BRAKE CABLES

Step 6. Insert front frame into frame extensions until the frame contacts the inner tube of the extension. Be sure that the extensions are straight and level with the frame. Use holes in the extensions as guides and drill two (2) $\frac{3}{8}$ " holes through the factory channel from the top (Location "B"). Insert two (2) $\frac{3}{8}$ " x 4" hex head bolts, four (4) $\frac{3}{8}$ " flat washers and two (2) $\frac{3}{8}$ " lock nuts. Do not tighten.



Step 7. Square the frame using diagonal measurements. Drill eight (8) $\frac{3}{8}$ " holes through front and rear frames using holes in extensions as guides (Location "C" typical). Insert eight (8) $\frac{3}{8}$ " x $3\frac{1}{2}$ " bolts, sixteen (16) $\frac{3}{8}$ " flat washers and eight (8) $\frac{3}{8}$ " lock nuts into holes. With frame square, tighten all twelve (12) $\frac{3}{8}$ " bolts.

Remove jacks and stands.



TITLE:

RH080CCPRBOG INSTALLATION INSTRUCTIONS

DRAWN BY:

R. HAERER

DATE:

JAN 17, 2017

DWG NO.

#7661

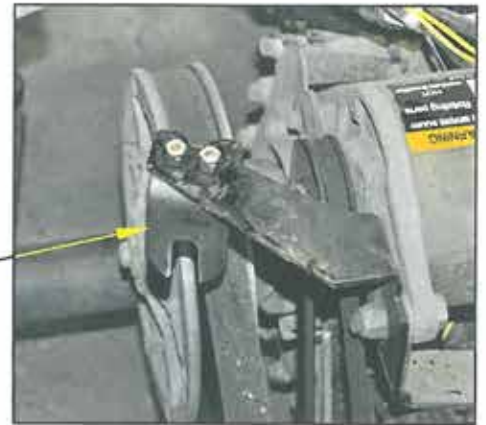
SHEET:

5 of 22

SCALE:

Not To Scale

Step 8. Clamp shifter cable bracket (Part #2768) in place and drill $\frac{9}{32}$ " hole using hole in motor bracket as a guide. Secure with one (1) - $\frac{1}{4}$ " x 1" Hex Head Bolts and one (1)- $\frac{1}{4}$ " lock nut. Remove clamp and drill a second $\frac{9}{32}$ " hole and secure with one (1) - $\frac{1}{4}$ " x 1" hex head bolts and one (1)- $\frac{1}{4}$ " lock nut.



#2768



Step 9. Use original shifter cable nut to secure ball stud PART #1010954 to shifter arm.

Ball Stud #1010954

Step 10.

(Note: Using Step 11, Identify your throttle cable. If you have the older style cable Do NOT remove the OEM accelerator cable bracket unless necessary for new style cable.

Remove the rear factory Accelerator Cable Bracket, install the new Accelerator Cable Bracket (PART #6585) with the factory bolts.



Cable Bracket



TITLE:

**RH080CCPRBOG
INSTALLATION INSTRUCTIONS**

DRAWN BY:

R. HAERER

DATE:

JAN 17, 2017

DWG NO.

#7661

SHEET:

6 of 22

SCALE:

Not To Scale

Step 11. Install new longer throttle cable (Part #1489) to rear of car.

*If you had the Older Style Throttle Cable on your car before just install the new cable like normal. (Skip Steps 12 & 13)

*If you had the Newer Style Throttle Cable on your car before you will need to modify it before installing.

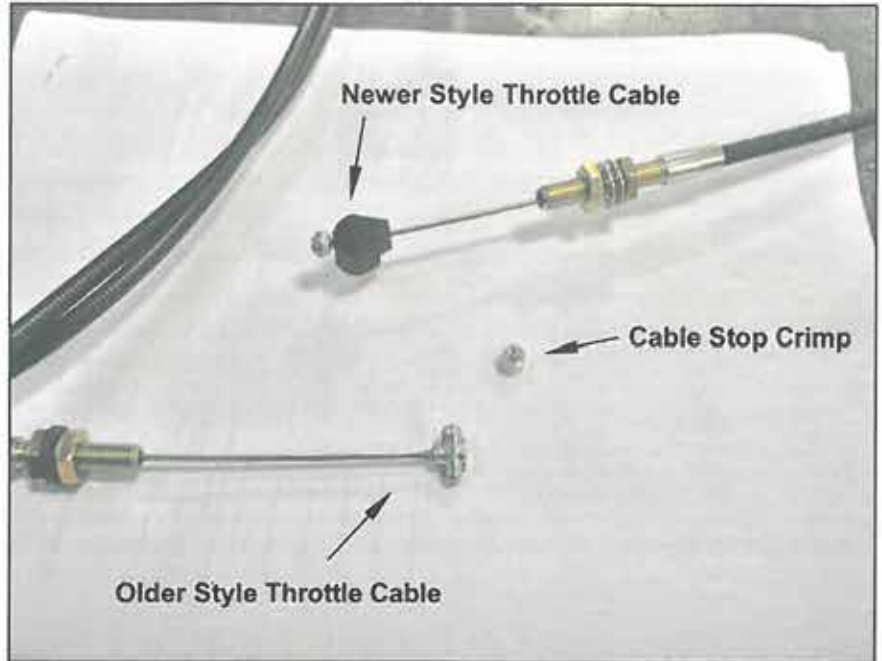
Step 12.

For the Newer Style Throttle Cables only. You will need to take the old short cable that came off your car, and cut its end stop off. So you can slide the black plastic piece off and reuse it on the new cable.

Step 13.

On the new longer Throttle Cable (PA1489), you will need to cut the end stop off close as possible. Slide the black plastic piece from your old cable onto the new cables end. Use the Cable Stop Crimp on the end to secure.

Now you can install the throttle cable to the rear of the car.

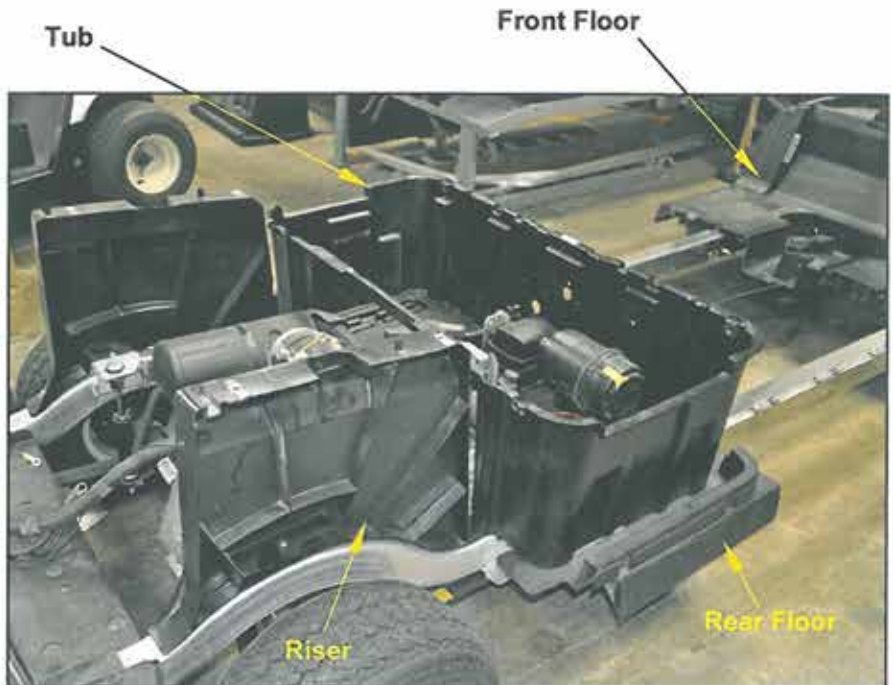


Step 14. Replace plastic floors. Be sure that floors clear bolt heads from frame extensions. Line up factory mounting holes (3 for front and 3 for rear) and secure front floor with factory bolts.

Step 15. Replace steering wheel.

Step 16. Run throttle cable through factory hole in snubber channel between snubber and brake cables. Lay cable to front of car.

Step 17. Replace rear risers to original positions. Do not attach at this time.



TITLE:

**RH080CCPRBOG
INSTALLATION INSTRUCTIONS**

DRAWN BY:

R. HAERER

DATE:

JAN 17, 2017

DWG NO.

#7661

SHEET:

7 of 22

SCALE:

Not To Scale

Step 18. Before putting the seat tub in place, modify the choke cable connection by first CAREFULLY holding the choke flap with pliers while drilling a $\frac{3}{16}$ " hole between the existing hole and the pivot point.



$\frac{3}{16}$ " Hole

Step 19. Position choke bracket (Part #3485) and using the holes as a guide, drill two (2) $\frac{1}{4}$ " holes at the base. Secure using two (2) $\frac{1}{4}$ " x 1" hex head bolts, four (4) $\frac{1}{4}$ " flat washers and two (2) $\frac{1}{4}$ " lock nuts.



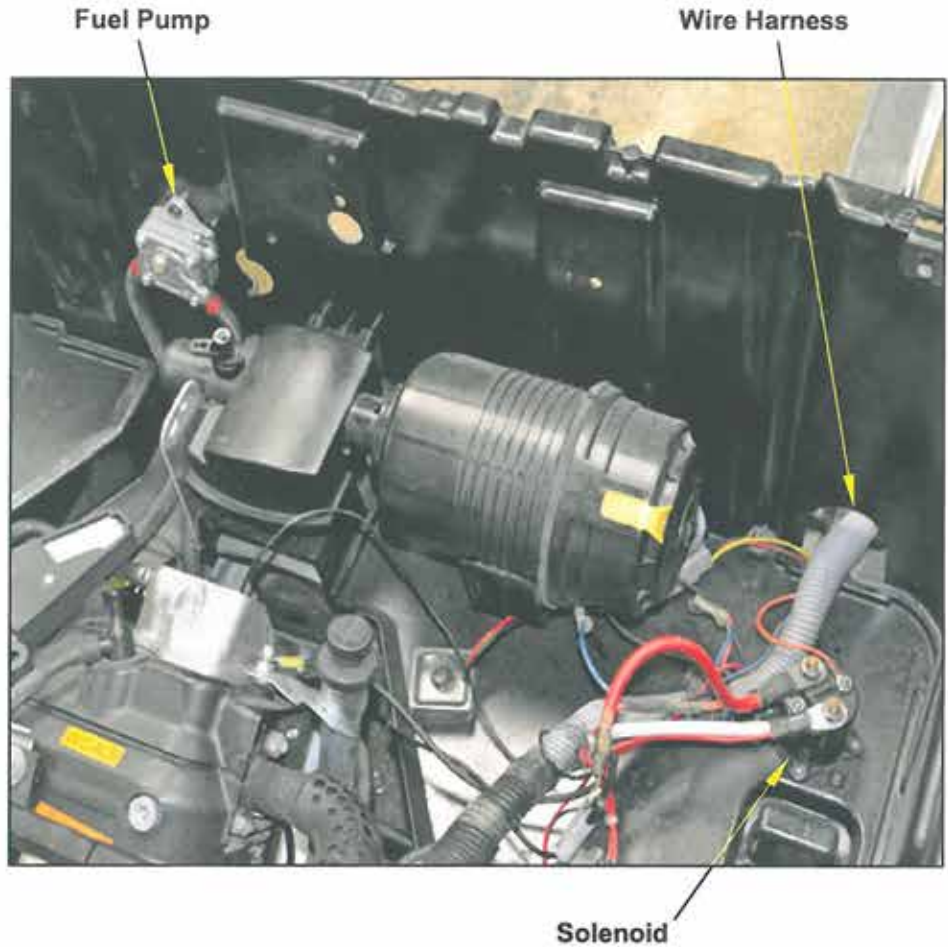
#3485

Step 20. Replace the seat tub with four (4) factory self tapping screws in original locations.
(see picture on previous page)

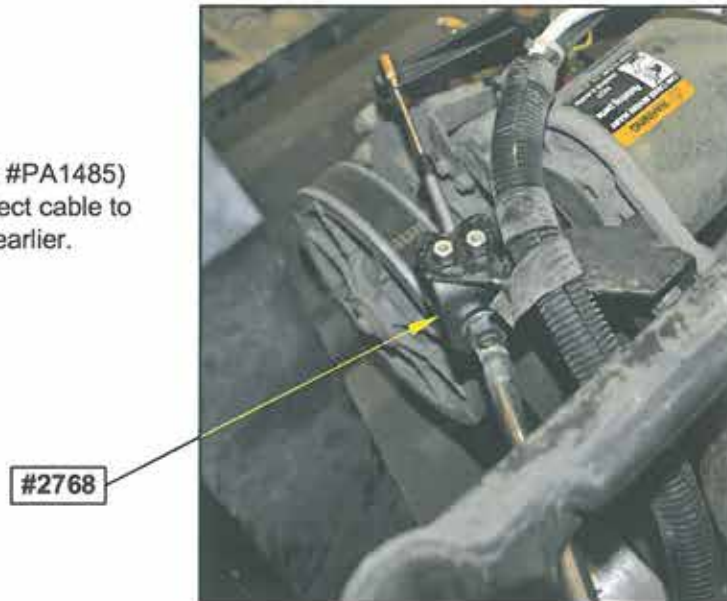


TITLE:		
RH080CCPRBOG INSTALLATION INSTRUCTIONS		
DRAWN BY:	DATE:	DWG NO.
R. HAERER	JAN 17, 2017	#7661
SHEET:	SCALE:	
8 of 22	Not To Scale	

Step 21. Re-attach fuel pump & solenoid to seat tub using factory bolts. Run wire harness out passenger side of seat tub through factory hole. Attach all wires/connectors that were disconnected at the rear of the car to the factory locations.



Step 22. Attach FNR shifter cable (Part #PA1485) cable to bracket (Part #2768) and connect cable to the ball stud (Part #1010954) installed earlier.



TITLE:		
RH080CCPRBOG INSTALLATION INSTRUCTIONS		
DRAWN BY: R. HAERER	DATE: JAN 17, 2017	DWG NO. #7661
SHEET: 9 of 22	SCALE: Not To Scale	

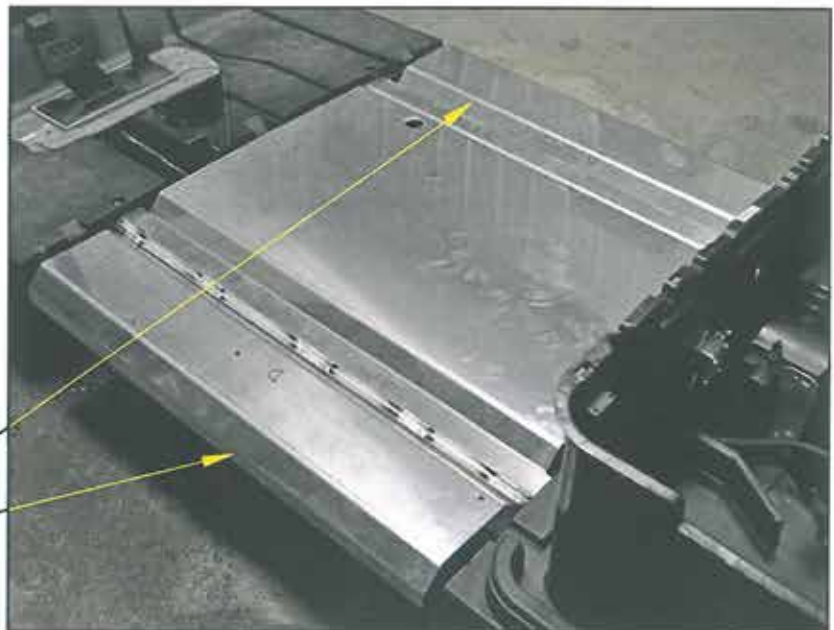
Step 23. Sit the middle sub-floor (Part #6581) between the frame extensions with the 1½" hole located at the front of the passenger side. Insert six (6) 5/16" x 3½" bolts and six (6) 5/16" flat washers from the inside of the frame extensions.



#6581

5/16" bolts used to secure outer sub-floor

Step 24. Secure the outer sub-floors (Part #6583 D&P) to the frame extensions with six (6) 5/16" flat washers and six (6) 5/16" lock nuts.



#6583



TITLE:		
RH080CCPRBOG INSTALLATION INSTRUCTIONS		
DRAWN BY: R. HAERER	DATE: JAN 17, 2017	DWG NO.
SHEET: 10 of 22	SCALE: Not To Scale	#7661

Step 25. Install factory brake equalizer and new brake rod (Part #6564). Run brake rod through brake rod guide under middle sub-floor to pedal location at front of car.



Step 26. Connect brake rod and accelerator cable to pedals. Install brake/accelerator pedal assembly on front floor. Adjust as needed. Brake pedal should have about 1" of play when properly adjusted.



Step 27. Snap bagwell in place (do not secure at this time). Run factory brake light wires to rear of car and clip in place.



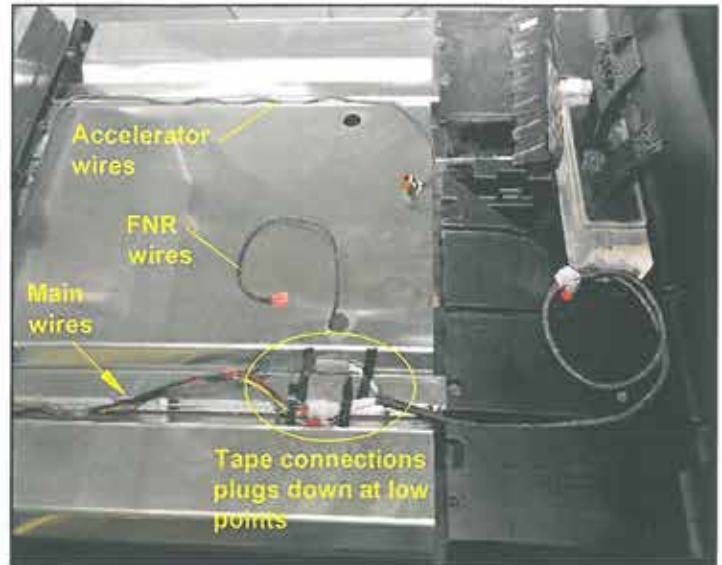
TITLE:		
RH080CCPRBOG INSTALLATION INSTRUCTIONS		
DRAWN BY: R. HAERER	DATE: JAN 17, 2017	DWG NO. #7661
SHEET: 11 of 22	SCALE: Not To Scale	

Step 28. Install the (2) wire extensions kits.

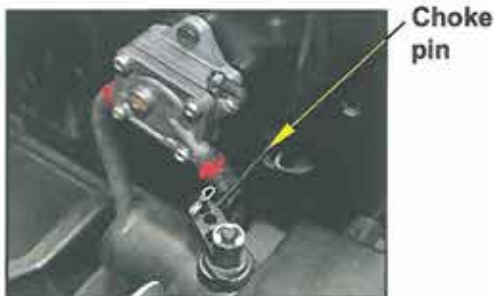
Start from the rear of the car and plug in the Main wireharness (Part #PA1614), run on the passenger side of the car on top of the frame in the channel. (You will need to tape down connection plugs in channel at lowest points.) Plug in the FNR wireharness (Part #PA1615), run under the frame and up the hole in the middle frame on passenger side. Install the Accelerator Pedal Wire Extension (Part#PA1617) & Accelerator 3- Wire Extension (Part#PA1618), run in drivers side channel on top of the frame. Run all wireharness kits back to there OEM positions.



Rear of car
Main wires
FNR wires go below floor



Step 29. Place rear molding in position. Secure molding with three (3) original screws. Connect choke pin to factory hole on choke lever.



Mounting Holes

The tabs on the back of the molding should touch the tub.



#6558

Front Notch

Step 30. Install floor (Part #6558) with front notch lined up with accel./brake access panel. The three (3) notches at the rear line up with the tabs on the rear molding. Drill three (3) $1\frac{1}{32}$ " holes through sub-floor using holes at rear as guides. Secure floor with three (3) $\frac{5}{16}$ " x 1" truss head bolts, three (3) $\frac{5}{16}$ " flat washers and three (3) $\frac{5}{16}$ " lock nuts.

TITLE:

**RH080CCPRBOG
INSTALLATION INSTRUCTIONS**

DRAWN BY:

R. HAERER

DATE:

JAN 17, 2017

DWG NO.

#7661

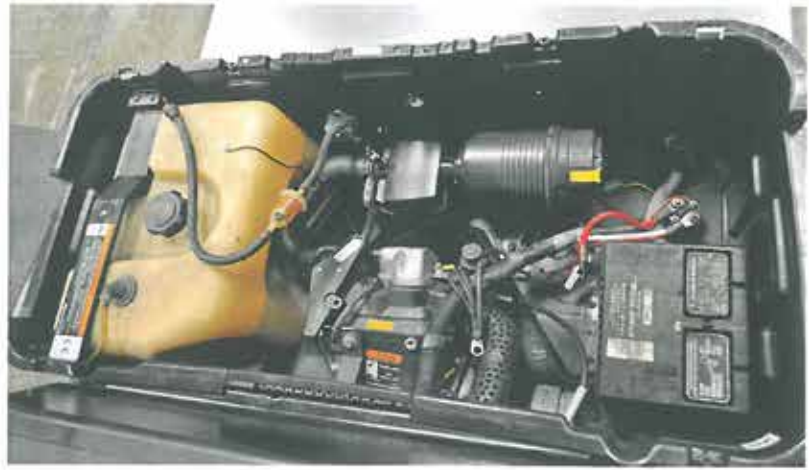
SHEET:

12 of 22

SCALE:

Not To Scale

Step 31. Sit battery and gas tank back in place. Secure with factory fasteners. Connect fuel line and ground wire to tank. Run vent tube out back of tub. Install breather tube. Do not connect battery at this time.



Step 32. Install cover to access panel in front floor with original plastic plug.



Step 33. Install two (2) 6" kick trim pieces centered over gap between new floor and front plastic floor.



Step 34. Install floor mat (Part #7080). Center side to side and tuck under rear molding. Cut 1½" hole in mat for FNR cable and wires using hole in the floor as a guide.



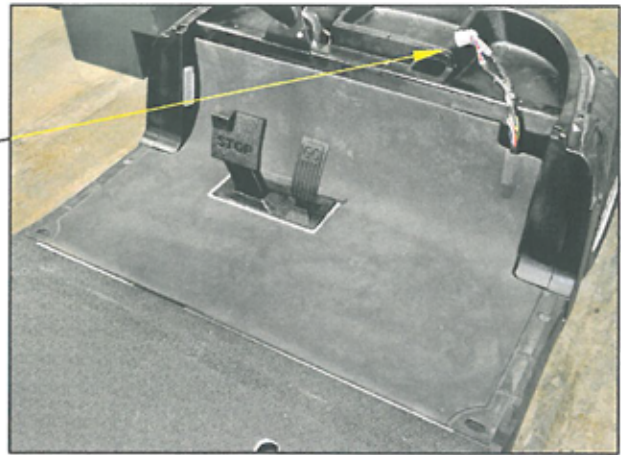
#7080



TITLE:		
RH080CCPRBOG INSTALLATION INSTRUCTIONS		
DRAWN BY:	DATE:	DWG NO.
R. HAERER	JAN 17, 2017	#7661
SHEET:	SCALE:	
13 of 22	Not To Scale	

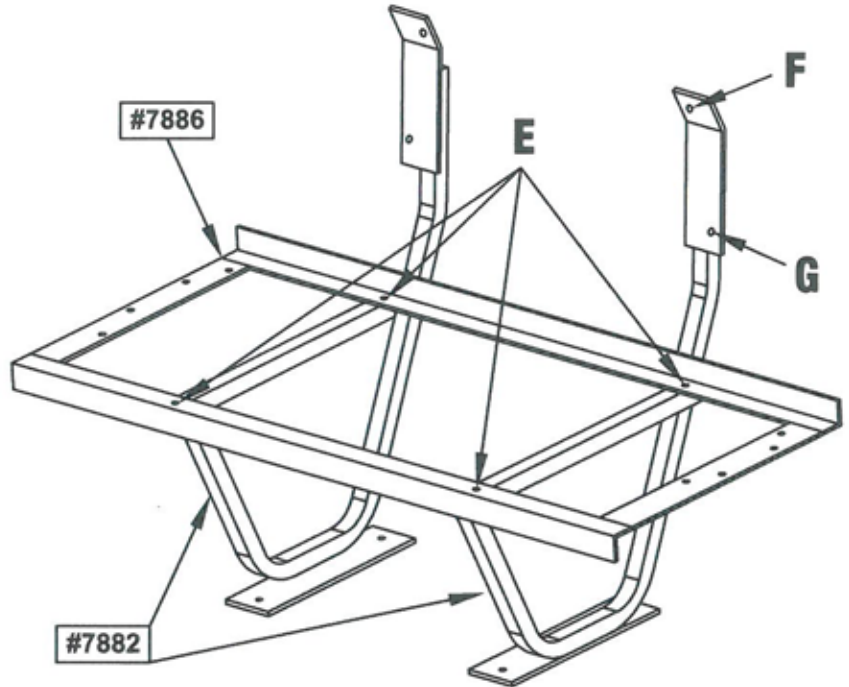
Step 35. Install front floor mat. Feed wire harness up to glove box and push up against front cowl.

wire harness



Step 36. Bolt together the middle pod. Secure the seat hat rack (Part #7886) to each seat support side post (Part #7882) at (Location E) using:

- (4)- $\frac{5}{16}$ " x $1\frac{3}{4}$ " truss head bolts,
- (4)- $\frac{5}{16}$ " locknuts.



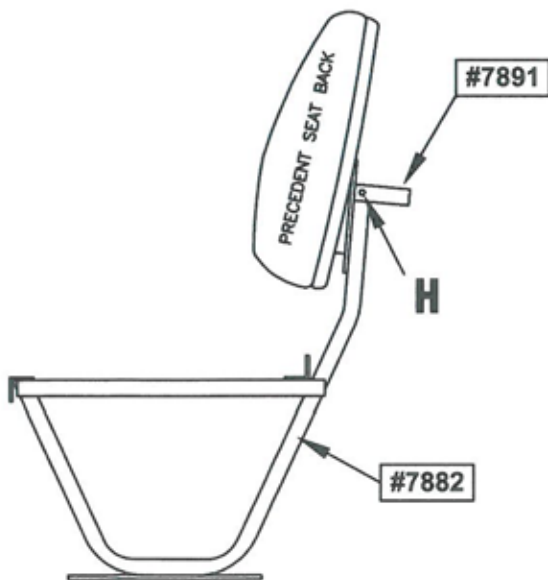
Step 37.

Secure the seat back to each seat support side post (Part #7882) at top (Location F) using:

- (2)- 6mm x 25mm hex head bolts,
- (2)- $\frac{1}{4}$ " flatwashers.

Secure seat back at bottom (Location G) using:

- (2)- $\frac{1}{4}$ " x $1\frac{1}{4}$ " pan head sheet metal screws,
- (2)- $\frac{1}{4}$ " flatwashers.



Step 38.

Secure the seat back grab handle (Part #7891) to each seat support side post (Part #7882) on the outside of the seat post tubes at (Location H) with:

- (2)- $\frac{1}{4}$ " x $2\frac{1}{2}$ " hex head bolts,
- (4)- $\frac{1}{4}$ " flatwashers,
- (2)- $\frac{1}{4}$ " locknuts.

TITLE:

RH080CCPRBOG INSTALLATION INSTRUCTIONS

DRAWN BY:
R. HAERER

DATE:
JAN 17, 2017

DWG NO.

SHEET:
14 of 22

SCALE:
Not To Scale

#7661

Step 39.

Place the Pod assembly onto the car at this time. Center the Pod on the cars floor and set the front of the Pods floor mount at 29" from the front edge of the rear body molding. Drill (4)- $1\frac{1}{32}$ " holes through the floormat, floor and sub floor frame using the holes in the Pods floor mounts as guides.

Attach Pod to the floor using Grade 8 bolts and using (2)- Flatbar Sub Floor Supports (Part#7885) under the sub floor for additional strength. Secure at the locations drilled with following:

(4)- $\frac{5}{16}$ " x $1\frac{1}{2}$ " hex head bolts, (8)- $\frac{5}{16}$ " flatwashers, (4)- $\frac{1}{4}$ " locknuts, (2)- Sub Floor Supports (#7885).



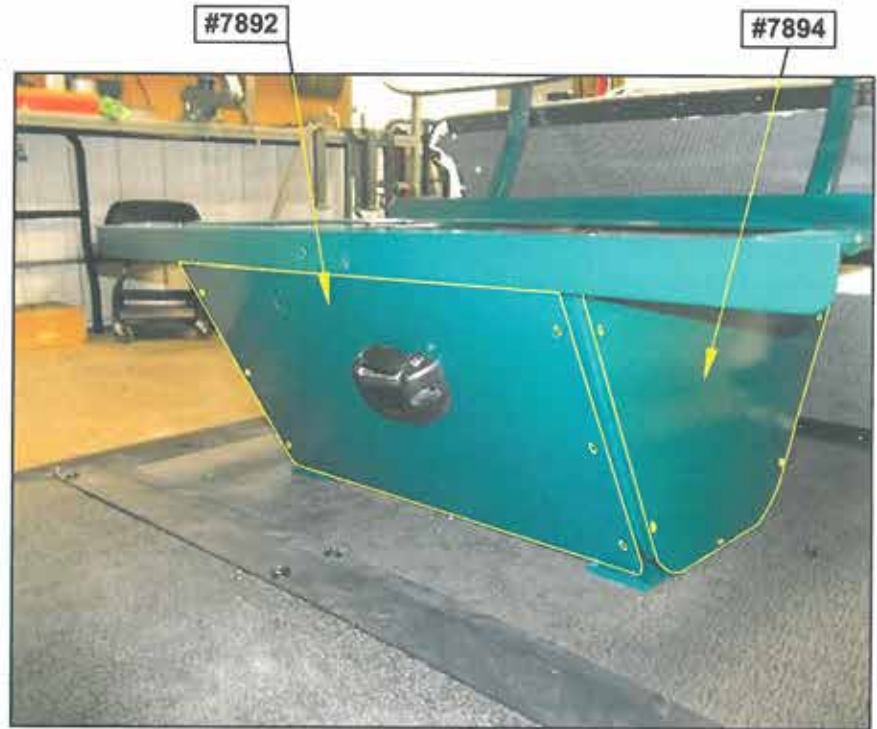
Step 40. On the front pod cover (Part#7892), install FNR switch using original clips and fasteners. Attach front cover and FNR handle using factory connectors and connect wires.

Step 41. Run choke cable (Part #7897) through front panel of the face plate. Slide a $\frac{3}{8}$ " hexnut and lockwasher onto the choke cable, then run the cable through the back of the face plate. Tighten the hexnut to hold the choke cable in place.



TITLE:		
RH080CCPRBOG INSTALLATION INSTRUCTIONS		
DRAWN BY:	DATE:	DWG NO.
R. HAERER	JAN 17, 2017	#7661
SHEET:	SCALE:	
15 of 22	Not To Scale	

Step 42. Place the front pod cover (Part#7892), up against the front of the seat support side post (Part #7882). Drill (6)- $\frac{1}{8}$ " holes into the tube of the seat support side post using the holes in the front pod cover as guides. Secure the cover to the pod with:
 (6)- $\frac{1}{4}$ " x $1\frac{1}{4}$ " Pan Head Sheet Metal Screws,
 (6)- $\frac{1}{4}$ " flatwashers.



Step 43. Remove ball stud joint from factory FNR cable. Use factory ball stud to attach new FNR cable to FNR bracket. Run FNR wires and shift cable up through $1\frac{1}{2}$ " hole in floor. Connect wires and FNR cable. Adjust as needed.

Step 44. Run choke cable along side FNR cable to rear of car. Pull up through tub and attach to hole drilled in choke lever in step #18.

Install clip on cable mounting bracket to choke cable and secure to bracket (Part #3485) installed in step #19.

cable mounting bracket



Step 45. Place the pod side covers (Part#7894), up against the outside of the seat support side post (Part #7882). Drill (5)- $\frac{1}{8}$ " holes into the tube of the seat support side post using the holes in the pod side covers as guides. Secure the side cover to the pod with:
 (10)- $\frac{1}{4}$ " x $1\frac{1}{4}$ " Pan Head Sheet Metal Screws,
 (10)- $\frac{1}{4}$ " flatwashers.

Step 46. Attaching a seat bottom to the Pod. If your seat bottom has the hip restraints already on the seat, remove the hip restraints. Set the seat bottom onto the middle pod frame. Place the hip restraints under the outside flatbars on the seat hat rack. Secure the hip restraints, flatbar and seat bottom together with the OEM bolts for the hip restraints.

TITLE:		
RH080CCPRBOG INSTALLATION INSTRUCTIONS		
DRAWN BY: R. HAERER	DATE: JAN 17, 2017	DWG NO. #7661
SHEET: 16 of 22	SCALE: Not To Scale	

Step 47. Install center tub support using factory connectors. Make sure the clip in the rear of the support attaches to the tub and bagwell plastic together.



Step 48. Install painted rear body using original fasteners.

Install the adhesive 36" kick trim strip onto the front of the rear body. Covering up the holes in the factory body. Trim as needed.



Step 49. Install install cup holders, ignition switch and dash using factory connectors.

Install front cowl support, front cowl and cowl band using factory connectors.



TITLE:

**RH080CCPRBOG
INSTALLATION INSTRUCTIONS**

DRAWN BY:
R. HAERER

DATE:
JAN 17, 2017

DWG NO.

#7661

SHEET:
17 of 22

SCALE:
Not To Scale

NOTE: If installing the M & M side trim (#7896) continue on to step 50.

If installing the matching custom plastic molded side trim (#PA1612), skip to next page now.

Step 50. Cut side trim in two. Measure $\frac{3}{8}$ " from curve as shown. Use a square and mark a line perpendicular to the edge. Cut the trim in two on this line.



Step 51. Secure front and back trim pieces into factory locations with factory connectors.

Step 52. Install both side trims (Part #7896) to the car. (The rounded corner of side trim goes at rear of car.)

Position trim for best fit and drill (5)- $\frac{9}{32}$ " holes using holes in side molding as guides.

Secure on both sides using:
(10)- $\frac{1}{4}$ " x 2" pan head bolts,
(20)- $\frac{1}{4}$ " flatwashers,
(10)- $\frac{1}{4}$ " locknuts.



TITLE:

**RH080CCPRBOG
INSTALLATION INSTRUCTIONS**

DRAWN BY:

R. HAERER

DATE:

JAN 17, 2017

DWG NO.

#7661

SHEET:

18 of 22

SCALE:

Not To Scale

NOTE: If installing the matching custom plastic molded side trim (#PA1612), use the steps below.
If you installed the M & M side trim (#7896), skip this page.



STEP 1:

Remove (3)- OEM bolts at (Location A). Slide up the front leg cover.
Remove the middle body if already installed.

STEP 2:

Install the plastic side trim (#PA1612) onto the car.
Secure the side trim with the OEM bolts at (Location A).
Tuck the front lip under the front leg cover before securing.
Install the middle body as needed, on top of the new side trim.

STEP 3:

Secure the rear of the side trim to the car at (Location B), drill
(3)- $\frac{9}{32}$ " holes through trim and into car body.
(1- in middle of rear floor, 2- at end of trim)
Use (3)- push pins (#1010434) to secure side trim.

*Repeat on other side.



TITLE:		
RH080CCPRBOG INSTALLATION INSTRUCTIONS		
DRAWN BY: R. HAERER	DATE: JAN 17, 2017	DWG NO. #7661
SHEET: 19 of 22	SCALE: Not To Scale	

Step 53. Place the floor mat threshold (Part #7895) over the seam between the original floor and the floor mat $\frac{1}{2}$ " in front of the front body. Center side to side. Use the holes in the threshold as a guide and drill three (3) $\frac{3}{8}$ " pilot holes in aluminum floor. Secure using six (6) black $\frac{1}{4}$ " x $1\frac{1}{4}$ " black pan head screws and six (6) black $\frac{1}{4}$ " flat washers.



#7895

Step 54. Be sure that all wires are connected and connect battery, install rear seats and access panel.

Step 55. Re-install the cars OEM rear seat bottom and SAM or optional M&M rear seat kit / utility box.



TITLE:		
RH080CCPRBOG INSTALLATION INSTRUCTIONS		
DRAWN BY:	DATE:	DWG NO.
R. HAERER	JAN 17, 2017	#7661
SHEET:	SCALE:	
20 of 22	Not To Scale	

REDHAWK

4 Passenger Stretch Bolt-on Kit, GAS PART #RH080CCPRBOG CLUB CAR - PRECEDENT



No welding
Powder coated middle pod to match standard Club Car colors



TITLE: RH080CCPRBOG INSTALLATION INSTRUCTIONS		
DRAWN BY: R. HAERER	DATE: JAN 17, 2017	DWG NO. #7661
SHEET: 21 of 22	SCALE: Not To Scale	

REDHAWK

4 Passenger Stretch Bolt-on Kit, GAS PART #RH080CCPRBOG CLUB CAR - PRECEDENT

Bolt Kit

BLACK

- 4 - 5/16" x 1-3/4" truss head bolts
- 4 - 5/16" flatwashers
- 4 - 5/16" locknuts
- 2 - 1/4" x 2-1/2" hex head bolts
- 4 - 1/4" x 1" pan head bolts
- 24 - 1/4" x 1-1/4" PPHSMS
- 50 - 1/4" flatwashers
- 12 - 1/4" locknuts
- 2 - 6mm x 25mm hex head bolts

ZINC

- 3 - 5/16" x 1" truss head bolts
- 3 - 5/16" flatwashers
- 3 - 5-16" locknuts
- 4 - 1/4" x 1" hex head bolts
- 4 - 1/4" flatwashers
- 4 - 1/4" locknuts

Grade 8

- 4 - 3/8" x 4" hex head bolts
- 8 - 3/8" x 3-1/2" hex head bolts
- 24 - 3/8" flatwashers
- 12 - 3/8" locknuts
- 6 - 5/16" x 3-1/2" hex head bolts
- 4 - 5/16" x 1-1/2" hex head bolts
- 20 - 5/16" flatwashers
- 10 - 5/16" locknuts

Box Kit

- 1 - Bolt Kit
- 1 - Instructions
- 2 - Seat Support Post (PART #7882)
- 1 - Seat Hat Rack (PART #7886)
- 2 - Sub Floor Supports (PART #7885)
- 1 - Seat Back Grab Handle (PART #7891)
- 1 - Front Face Plate (PART #7892)
- 2 - Pod Side Covers (PART #7894)
- 1 - Frame rails D&P (PART #6597)
- 1 - Brake Rod (PART #6564)
- 1 - 4-7/8" x 36" kick trim
- 1 - Floor (PART #6558)
- 1 - Floor mat (Part #7080)
- 1 - Main Wireharness (PART #PA1614)
- 1 - FNR Wireharness (PART #PA1615)
- 1 - Ball stud (PART #1010954)
- 1 - Ball stud joint (PART #1012333)
- 1 - Throttle cable (PART #PA1489)
- 1 - Cable Stop Crimp
- 1 - Choke bracket (PART #3485)
- 1 - Choke cable (PART #7897) **MODIFIED**
- 1 - FNR Shift cable (PART #PA1485)
- 1 - Shift cable bracket (PART #2768)
- 1 - Accelerator Cable Bracket (PART #6585)
- 2 - 6" Kick Mat
- 2 - PR Side trim (PART #7896)
- 1 - Floor mat threshold (Part#7895)
- 2 - Outer sub floor D&P (Part #6583)
- 1 - Middle sub floor (Part #6581)
- 1 - Accelerator Pedal Wire Extension (Part#PA1617)
- 1 - Accelerator 3-Wire Extension (Part#PA1618)

Optional Side Trim & Threshold

- 2 - Side trim Plastic (#PA1612)(R&L)
- 6 - Black Xmas Tree Push-Pins (#1010434)
- 1 - Floor mat threshold (Part#7453)



TITLE: RH080CCPRBOG INSTALLATION INSTRUCTIONS		
DRAWN BY: R. HAERER	DATE: JAN 17, 2017	DWG NO. #7661
SHEET: 22 of 22	SCALE: Not To Scale	