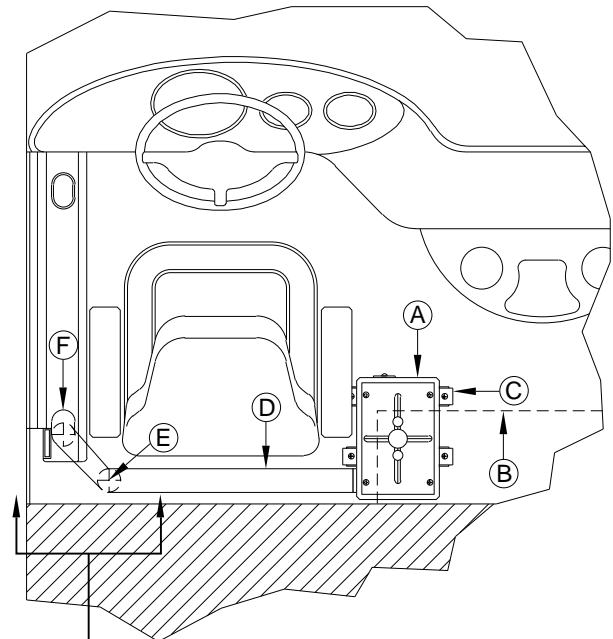


## INSTALLATION SUPPLEMENT

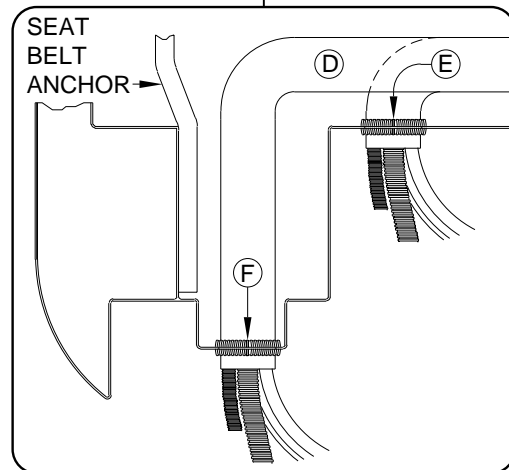
# 210 JOYSTICK CONTROLLED - INTEGRATED CONTROL CONSOLE CLASS-C APPLICATION

The HWH INTEGRATED CONTROL CONSOLE "A" houses the 210 Control Valve with hoses and electrical pre connected to the valve. The Sensing Unit is pre mounted in the console needing only to be adjusted when system installation is complete. The control console allows mounting of the 210 control valve without having to cut a hole in the floor for mounting the valve.

1. Position the console to the right of the drivers seat, rearward far enough that the hose/harness bundle passes behind the drivers seat. Some coaches have a step between the seats (See hidden line "B"). The step will have to be altered if it restricts the routing of the hoses, or locates the console where it restricts movement through the cab.
2. Secure the control console to the coach floor using Screws and Clips "C" provided (4 used). DO NOT pull hose/harness bundle out of the console box or push more into the box.
3. Route hose/harness bundle "D" behind the drivers seat. The bundle must exit either thru the coach floor, behind the drivers seat "E", or thru the step well on the drivers side "F".
4. On a Ford Class-C the step well liner usually may be snapped out which will expose the hole "F" in the bottom of the step well. If this hole is not available or the chassis is a Chevy, a 1.75" to 2.00" diameter hole will need to be drilled either in the step well or behind the drivers seat. The hole should be out board of the frame rail and care taken to avoid cutting structural supports, hoses or wires.
5. Use a piece of split loom to form a grommet around the hole. If using hole "F", factory grommet will have to be removed.
6. Route hose/harness bundle thru the hole. If using hole "F" in bottom of step well split bundle sleeve and remove loom containing ACCESSORY, WARN LIGHT SUPPLY and CONTROL and PARK BRAKE WIRES. This loom can be ran up the channel to the dash. Feed the main harness thru the hole first, followed by the five pressure hoses and then the return line. Seal hole using caulking material.
7. Continue with the installation according to HWH installation instructions and cautions.
8. See MI15.007E for Step Liner modification.
9. See MI15.007G for Sensing Unit adjustment.



DRIVERS SEAT AND CAB  
AS SEEN FROM - OVERHEAD  
(STEP LINER REMOVED)



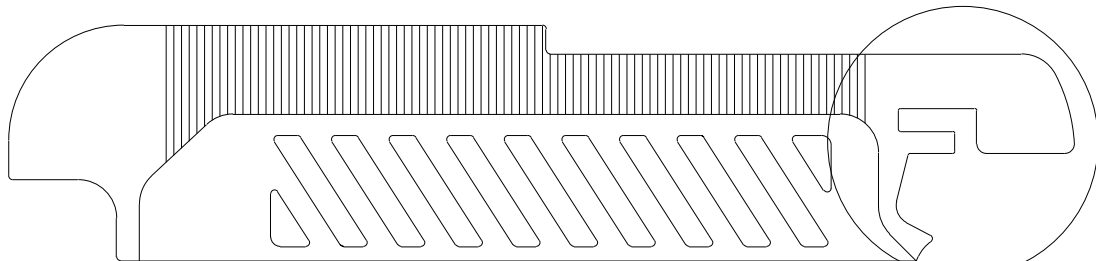
SECTION VIEW OF STEP WELL FROM REAR

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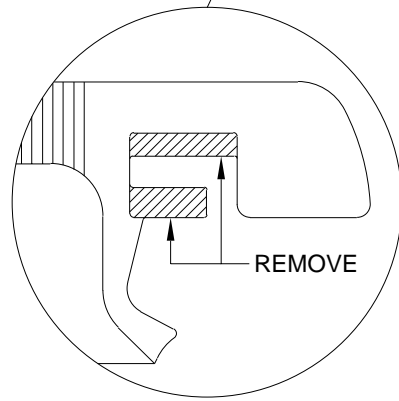
**INSTALLATION SUPPLEMENT**  
**210 JOYSTICK CONTROLLED - INTEGRATED CONTROL CONSOLE**  
**CLASS-C APPLICATION**

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**FORD CLASS-C STEP LINER MODIFICATION.**



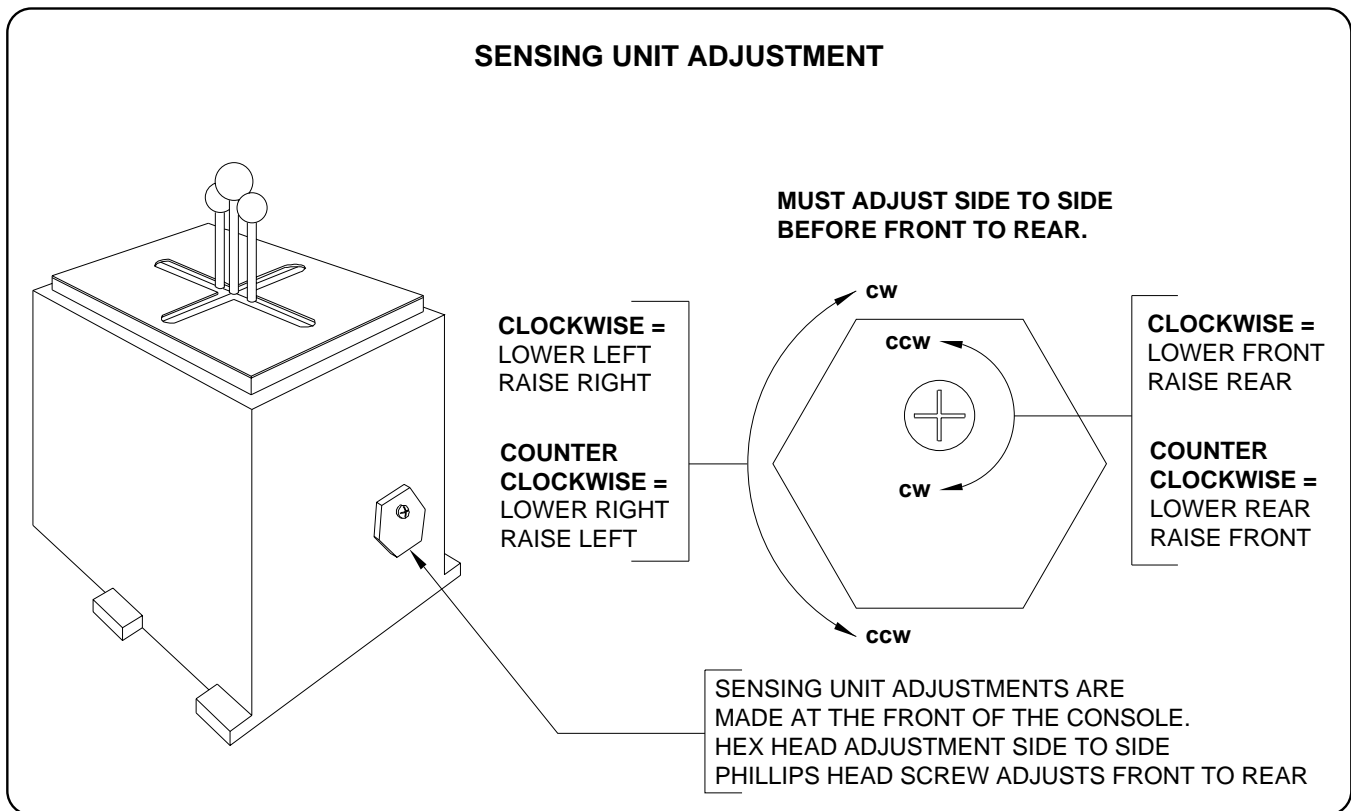
MATERIAL WILL HAVE TO BE REMOVED FROM THE STEP LINER TO ALLOW FOR THE HOSE/HARNESS BUNDLE. REMOVE MINIMAL MATERIAL NECESSARY IN THE LOCATION SHOWN.



# INSTALLATION SUPPLEMENT

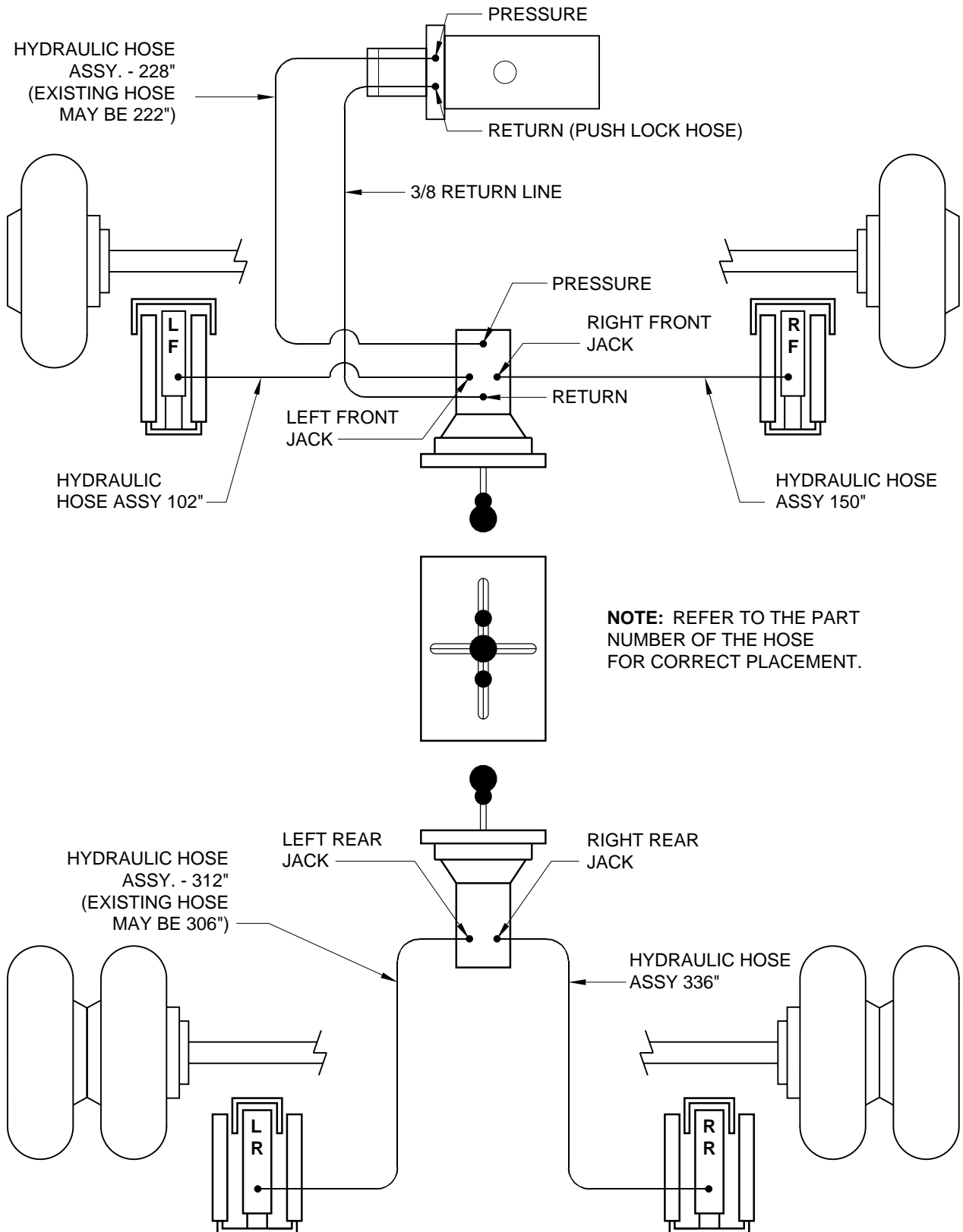
## 210 JOYSTICK CONTROLLED - INTEGRATED CONTROL CONSOLE

### SENSING UNIT ADJUSTMENT



1. Level the coach according to a circular bubble level placed in the center of the freezer floor or in another location within the coach that is to be level.
2. The Sensing Unit adjustment is located on the front of the control console.
3. The sensing unit must be adjusted side to side before making front to rear adjustments. Side to side adjustment is made by turning the large hex head clockwise or counter clockwise until both yellow side lights are off.
  - A: If left side yellow light is on, turn hex Counter Clockwise until light turns off.
  - B: If right side yellow light is on, turn hex Clockwise until light turns off.
4. With both yellow side lights adjusted off, adjust front to rear if a front or rear light is on. Front to rear adjustment is made by turning the phillips head screw clockwise or counter clockwise until both yellow lights are off. (If a side light comes on it must be adjusted out before continuing with the front to rear adjustment.)
  - A: If front yellow light is on, turn screw Counter Clockwise until light turns off.
  - B: If rear yellow light is on, turn screw Clockwise until light turns off.
5. Repeat this procedure until all yellow lights are off. Tap hex head to see that the sensing unit has settled into the level position.

# HYDRAULIC LINE CONNECTION DIAGRAM 210/225 BI-AXIS VALVE CLASS-C CONSOLE



C:\TEMP\mp65200c.dwg May 29, 2019 - New Revised Renumber Rose Index Boms Mike Web