

KEYED POWER INPUT (RED - 12V/BLK - GND)

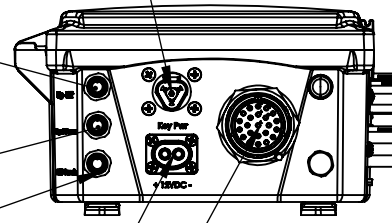
UPLIFT (NOT USED WHEN XMD INCORPORATED)

SYSTEM PRESSURE INPUT (FROM SENSOR ON MANIFOLD)

LIFT SWITCH INPUT (TOOLBAR POSITION)

12VDC SUPPLY FROM BATTERY

HARNESS CONNECTION TO OWASYS CONTROLLER



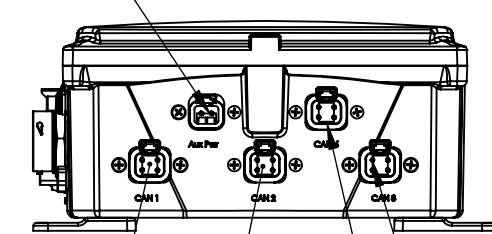
AUXILIARY 12VDC 7.5A
(1-12VDC / 2-GND)

CANBUS#1 TO WING

CANBUS#2 - CENTER SECTION

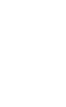
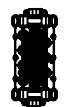
CANBUS#3 TO WING

CANBUS#4 TO XMD DRIVERS



CABLE, FROM PDM TO WING #2

CABLE, FROM PDM TO CENTER
SECTION ROW UNIT CONTROLLERS



301424 - HARNESS, PDM TO XMD
YELLOW: UPLIFT
GREEN: GFX ROW CLEANER (IF USED)

MANIFOLD

EACH CANBUS WILL HAVE
TERMINATION RESISTOR INSTALLED
INTO END OF LAST CONTROLLER

CABLE, FROM PDM
TO WING #1
CONTROLLERS

PDM,
(POWER DIST. MOD)

CABLE, 12VDC FROM BATTERY
TO REAR OF TRACTOR

CABLE 12VDC, DRAFT ARM
(IF NECESSARY)

CABLE 12VDC, TO PDM

CABLE END, DRAFT ARM.
WITH SPLICE KIT

ROW CLEANER PRESSURE SENSOR
(IF EQUIPPED)

UPLIFT PRESSURE SENSOR

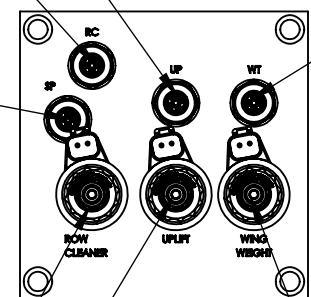
WEIGHT TRANSFER PRESSURE SENSOR
(IF EQUIPPED)

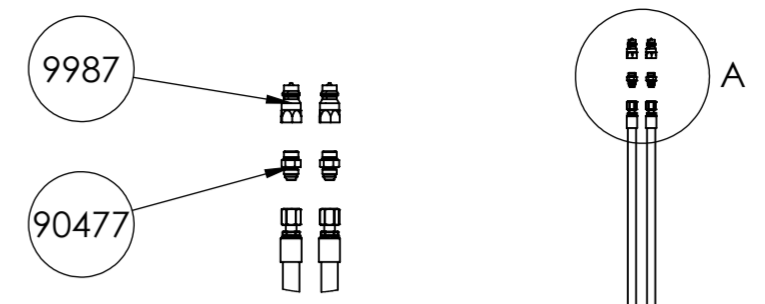
SYSTEM PRESSURE SENSOR

ROW CLEANER VALVE
(IF EQUIPPED)

UPLIFT VALVE

WEIGHT TRANSFER VALVE
(IF EQUIPPED)





DETAIL A
TRACTOR HOSE FITTINGS

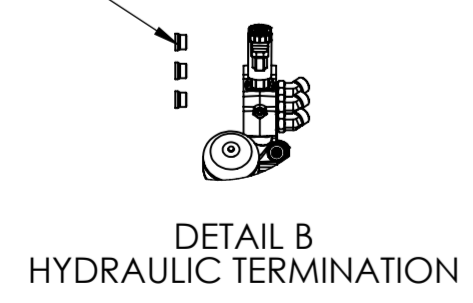
8 FT PRESS / RETURN
HOSES (#91097)
FROM TRACTOR TO
FRONT PLANTER
BULKHEAD PLATE

BULKHEAD ADAPTERS
PROVIDED FOR FRONT AND
REAR TRUNKLINE
BULKHEADS

CUT HOSE SECTIONS TO LENGTH AND
HAVE YOUR IMPLEMENT TECHNICIAN
CRIMP -8 JIC HOSE FITTINGS ON TO
PARKER SPECS

40 INCH HOSES
(#91108) FOR CENTER
ROW TO MANIFOLD
CONNECTION

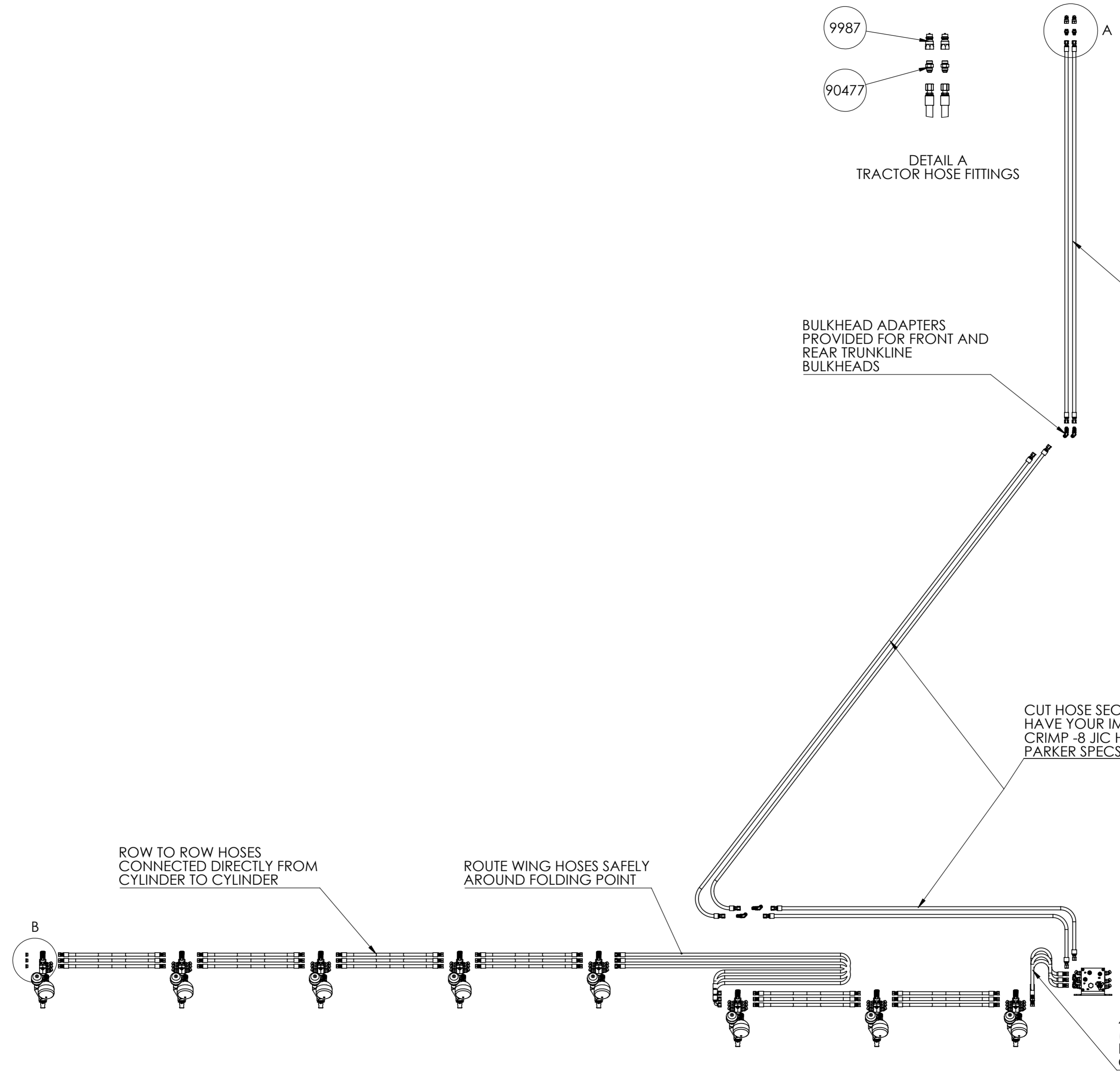
PLUG END ROW
CYLINDERS WITH -8 ORB
HEX HOLLOW PLUGS
(#9533)



DETAIL B
HYDRAULIC TERMINATION

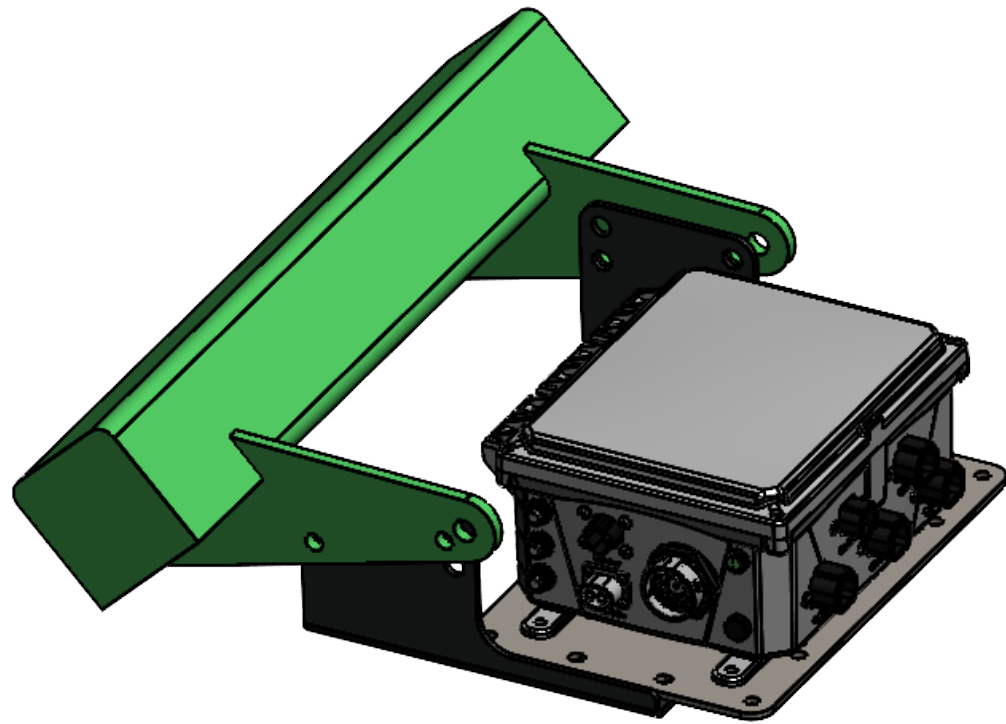
ROW TO ROW HOSES
CONNECTED DIRECTLY FROM
CYLINDER TO CYLINDER

ROUTE WING HOSES SAFELY
AROUND FOLDING POINT



PDM MOUNTING OPTIONS

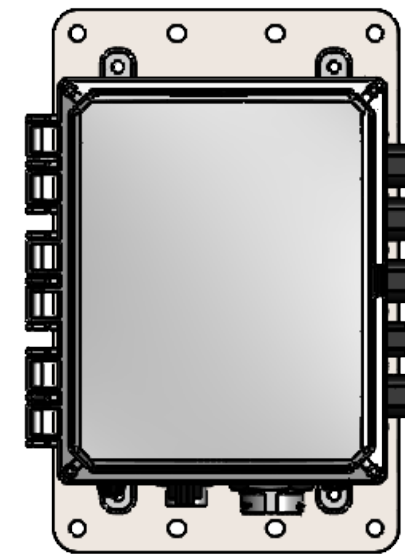
THE PDM SHOULD BE INSTALLED NEAR THE CENTER OF THE TOOLBAR BACK BY THE ROW UNITS. THIS IS WHERE THE CANBUS CABLES, CENTRAL CONTROLLER, LIFT SWITCH, AND PRESSURE SENOR(S) WILL CONNECT. THE PDM IS WEATHERPROOF, BUT DO NOT SPRAY DIRECTLY WITH PRESSUREWASHER.



ON MANY JD PLANTERS IT IS POSSIBLE TO INSTALL THE PDM UNDER THE AIR COMPRESSOR MOUNT AS SHOWN

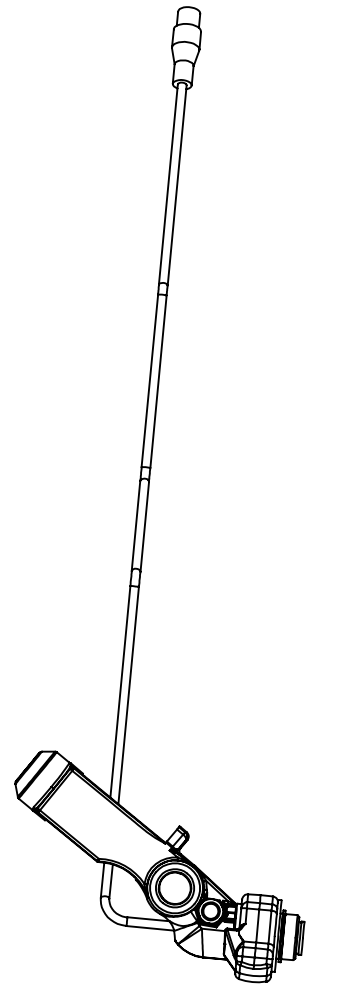
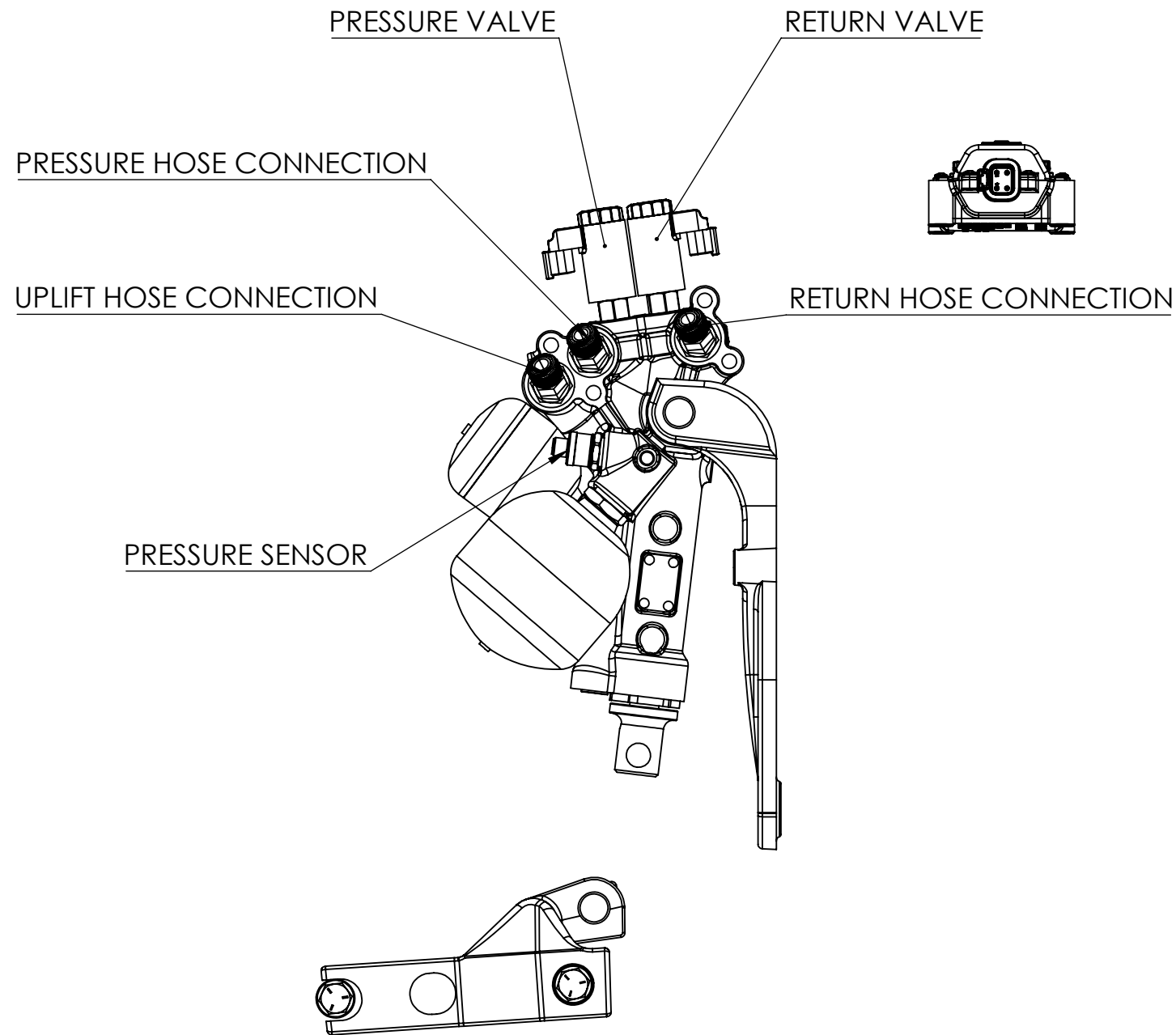
SOME CONSIDERATIONS TO TAKE INTO ACCOUNT WHEN INSTALLING ARE:

- *DEBRIS/WATER - ORIENT PLUGS SO THEY ARE NOT FACING UPWARD
- *ACCESSIBILITY TO CABLES / CLEARANCE FOR CABLES
- *FERTILIZER LEAKAGE - IS VERY HARD ON EVERYTHING

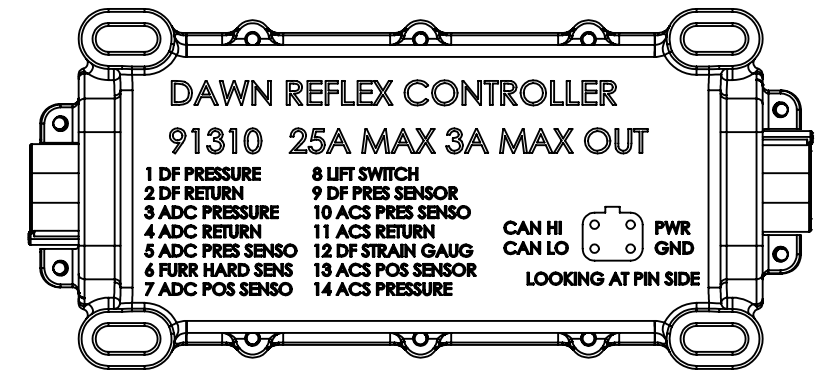


THE MOUNTING PLATE CAN BE INSTALLED IN VARIOUS LOCATIONS AS DESIRED. (SIDE OF STAIRS, CCS CRADLE, ETC.)

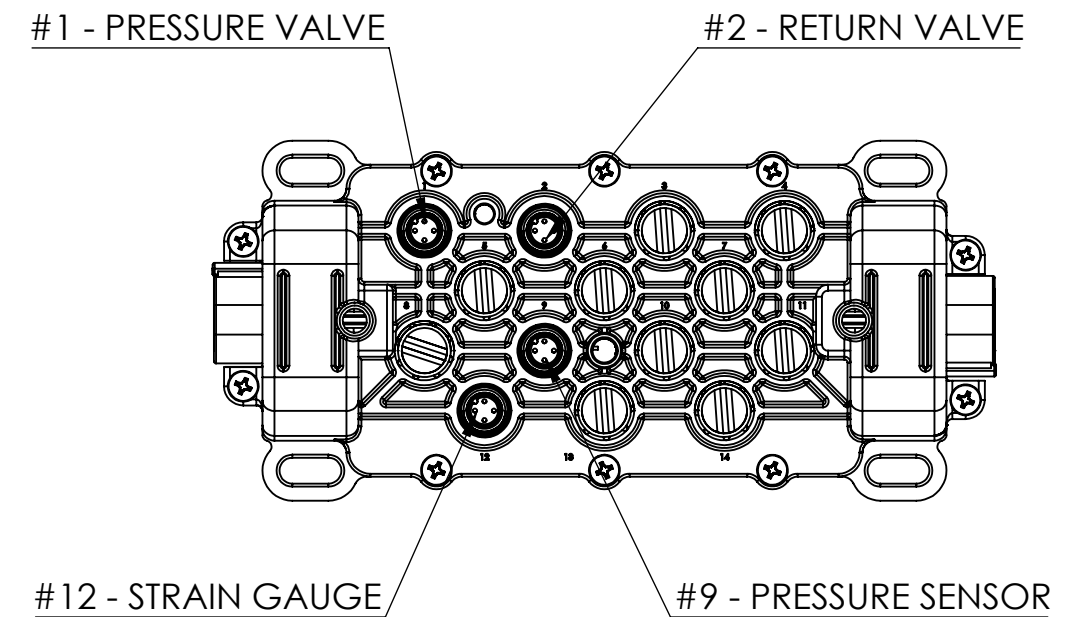
SOME TOOLBARS WILL NOT HAVE AN IDEAL SURFACE TO MOUNT TO AND SOME MODIFICATION WILL BE REQUIRED



STRAIN GAUGE



CONNECTOR LEGEND LOCATED ON BACK OF CONTROLLER



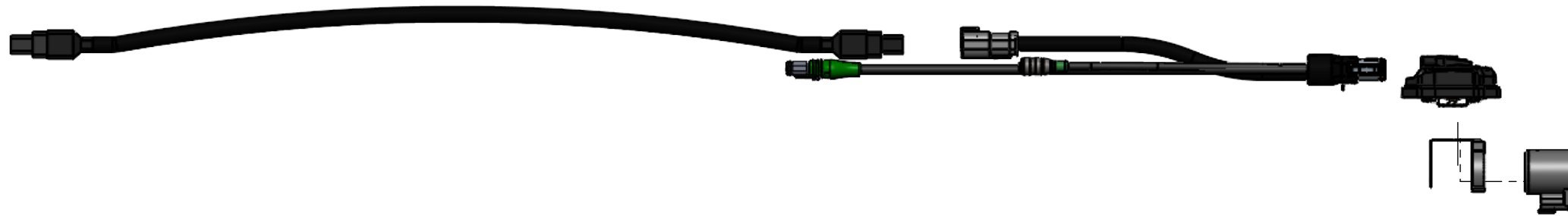
REFLEX BASIC DOWNFORCE ROW UNIT CONNECTIONS

XMD DRIVER & HARNESS

XMD HARNESS WILL CONNECT TO **CANBUS#4** ON PDM USING A 4POS CABLE (LENGTH MAY VARY DEPENDING ON MANIFOLD BLOCK & PDM MOUNTING LOCATIONS)

XMD HARNESS - #301424

XMD DRIVER



INSTALL XMD MOUNTING CLIP TO BACK OF DRIVER AS SHOWN. REMOVE RETAINER, ORIENT CLIP AS SHOWN & REINSERT RETAINER TO SECURELY HOLD MOUNTING CLIP IN PLACE

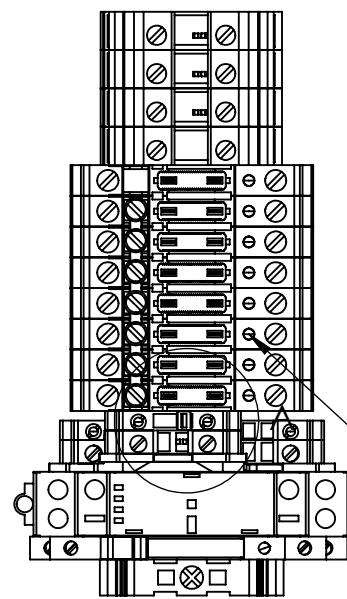
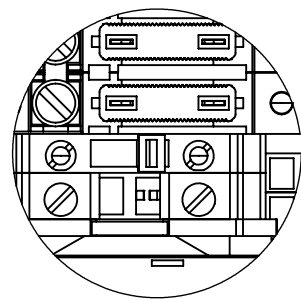
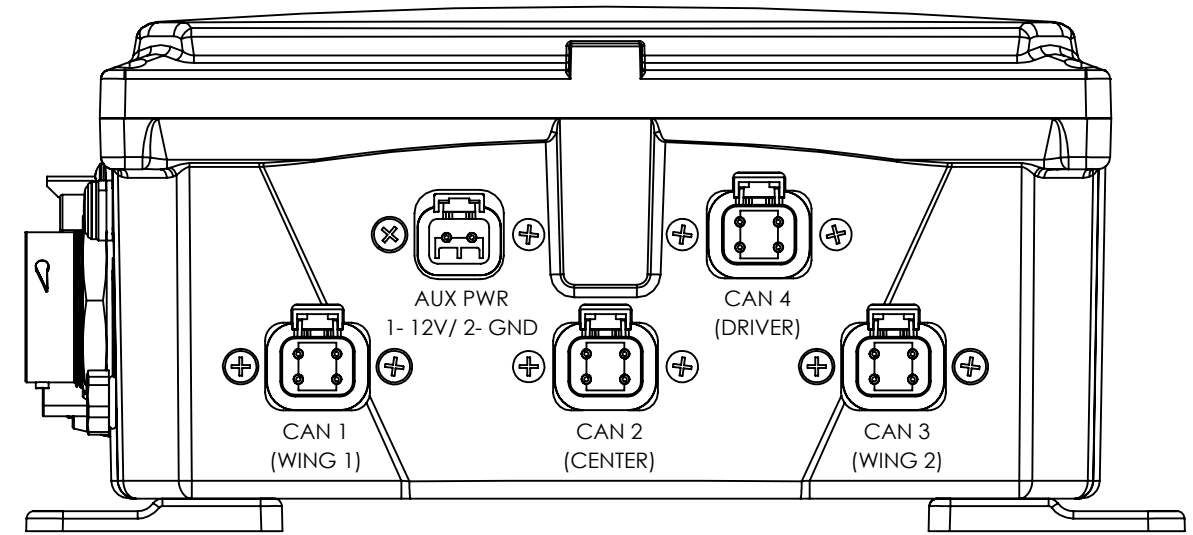
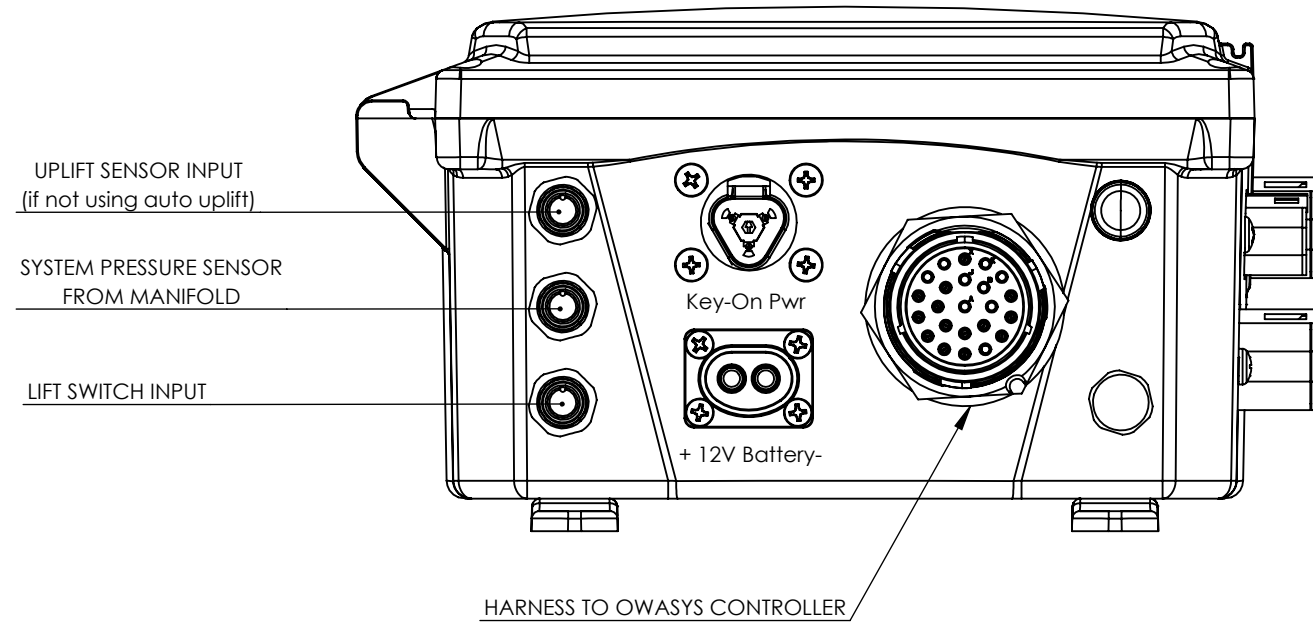
GREEN CABLES WILL PLUG INTO THE **ROW CLEANER** VALVE AND PRESSURE SENSOR ON MANIFOLD BLOCK (IF EQUIPPED)

YELLOW CABLES WILL PLUG INTO THE **UPLIFT** VALVE AND PRESSURE SENSOR ON MANIFOLD BLOCK



CLIP WILL ATTACH TO COIL ON MANIFOLD VALVE

301521

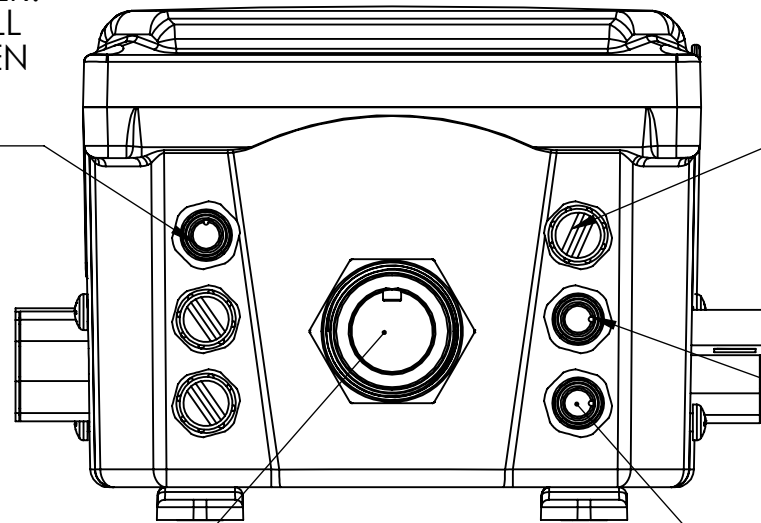


NOTE: RED LED ON FUSE TERMINAL BLOCK
WILL ILLUMINATE IF FUSE HASE BLOWN

NOTE: IF KEYED POWER IS LOST OR UNWANTED,
REMOVE LOCK IN BLADE TERMINAL BLOCK TO
BYPASS KEYED POWER RELAY

301430 - PDM

KEYED POWER
PLUG IN M12 WHIP & CONNECT
WHITE WIRE TO 12V KEYED POWER.
SHIPPED WITH JUMPER THAT WILL
ALLOW SYSTEM POWER-UP WHEN
MAIN POWER SUPPLIED WITH
12VDC

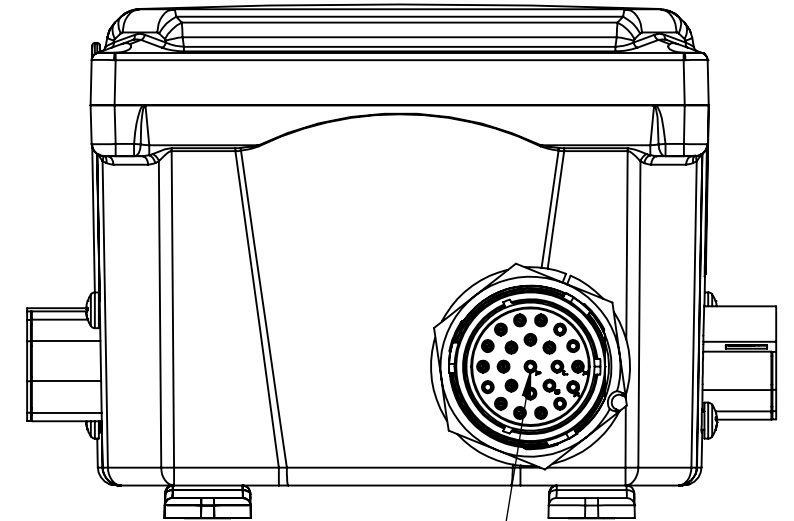


UPLIFT PRESSURE INPUT
WILL NOT BE USED ON SYSTEMS
UTILIZING THE XMD VALVE
DRIVER

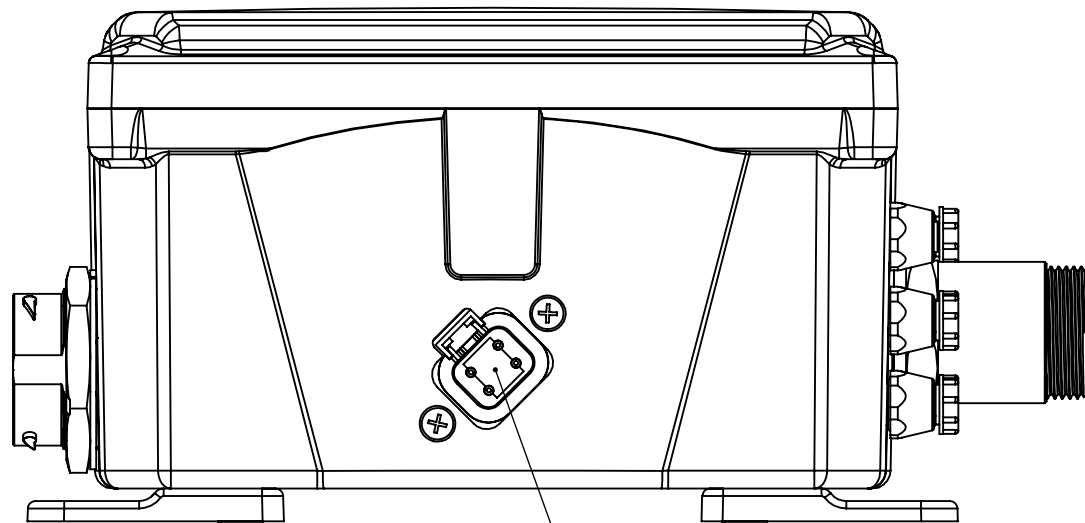
SYSTEM PRESSURE INPUT
PLUG IN M12 CABLE & ROUTE
TO PRESSURE SENSOR ON
REFLEX CENTRAL MANIFOLD
(LABELED "SP")

LIFT SWITCH INPUT
PLUG IN M12 CABLE (USUALLY
#91407) AND CONNECT TO
LIFT SWITCH (#91291) THAT WILL
BE MOUNTED ON ROW UNIT OR
ON FRAME MOUNTED BRACKET

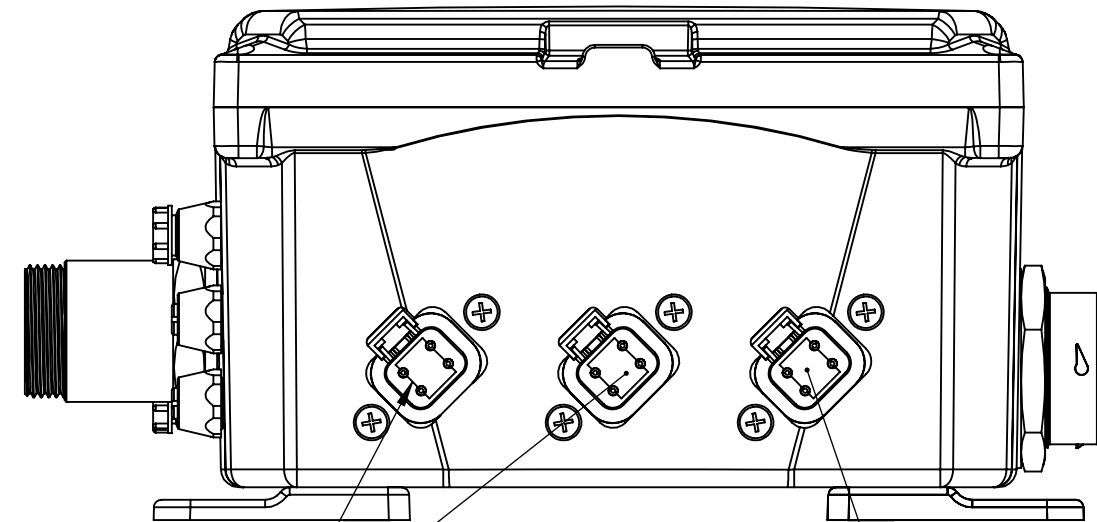
MAIN POWER
CONNECT TO MAIN POWER CABLE
COMING FROM TRACTOR BATTERY



OWASYS HARNESS CONNECTION
PLUG IN HARNESS #301367 &
CONNECT TO OWASYS
CONTROLLER



CANBUS#4
USE 4POS CABLE TO CONNECT TO XMD
HARNESS (#301424)



CANBUS#1
USE ROW CABLE (160"/180") TO
CONNECT TO ROW UNIT
CONTROLLERS ON WING

CANBUS#2
USE ROW CABLE (120") TO
CONNECT TO ROW UNIT
CONTROLLERS CENTER SECTION

CANBUS#3
USE ROW CABLE (160"/180") TO
CONNECT TO ROW UNIT
CONTROLLERS ON WING

LIFT SWITCH MOUNT

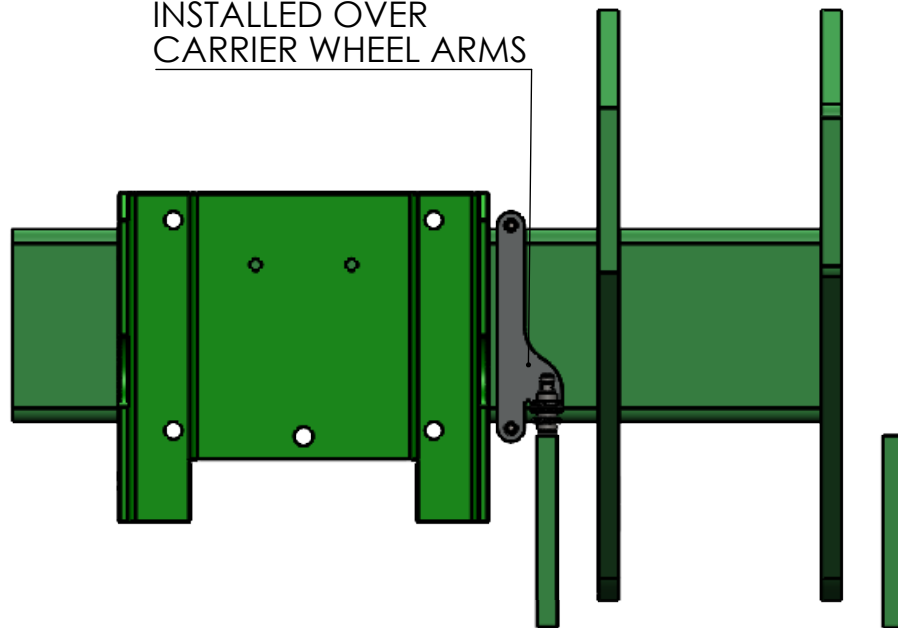
THERE ARE MULTIPLE OPTIONS FOR MOUNTING THE LIFT SWITCH, WHICH SIMPLY DETERMINES THE POSITION OF THE TOOLBAR.

THE SENSOR IS A NON-CONTACT INDUCTIVE PROXIMITY SWITCH.

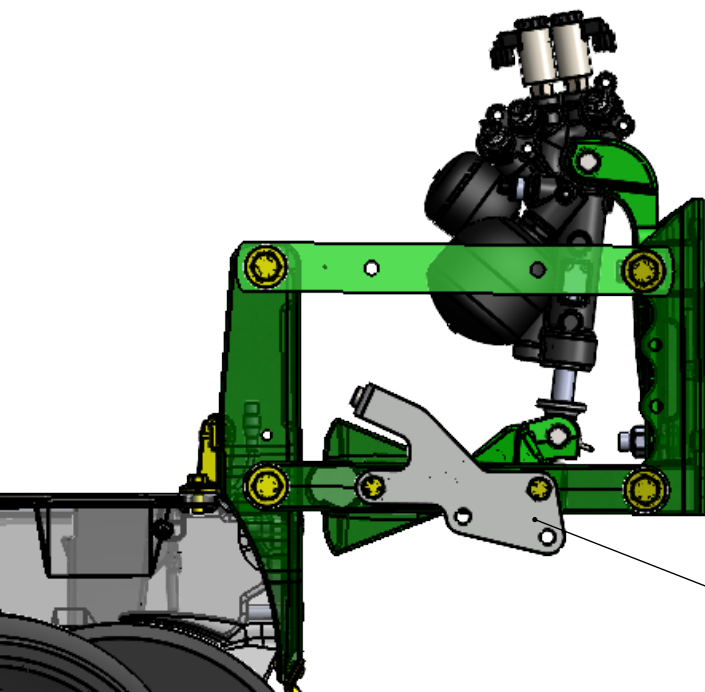
A FRAME MOUNTED OPTION IS PREFERABLE, BUT NOT ALWAYS EASILY DONE.

THERE SHOULD BE A **1/8"-3/16" SPACE** BETWEEN SENSOR AND CONDUCTIVE SURFACE

LIFT SWITCH MOUNT PLATE SHOWN HERE INSTALLED OVER CARRIER WHEEL ARMS



LIFT SWITCH MOUNT PLATE SHOWN HERE INSTALLED ON PLANTER ROW UNIT LOWER PARALLEL CASTING

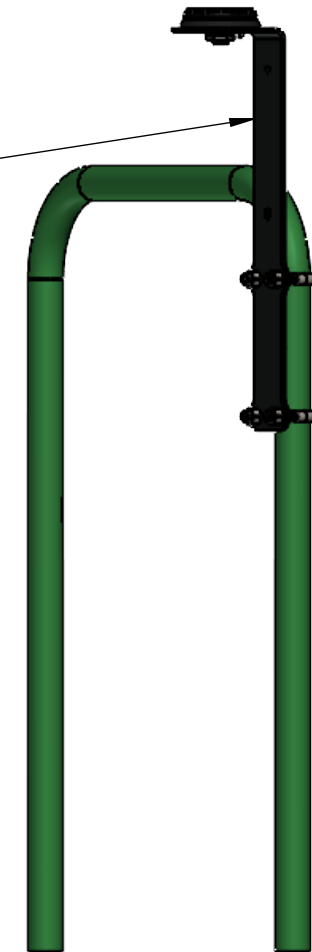


ANTENNA MOUNT

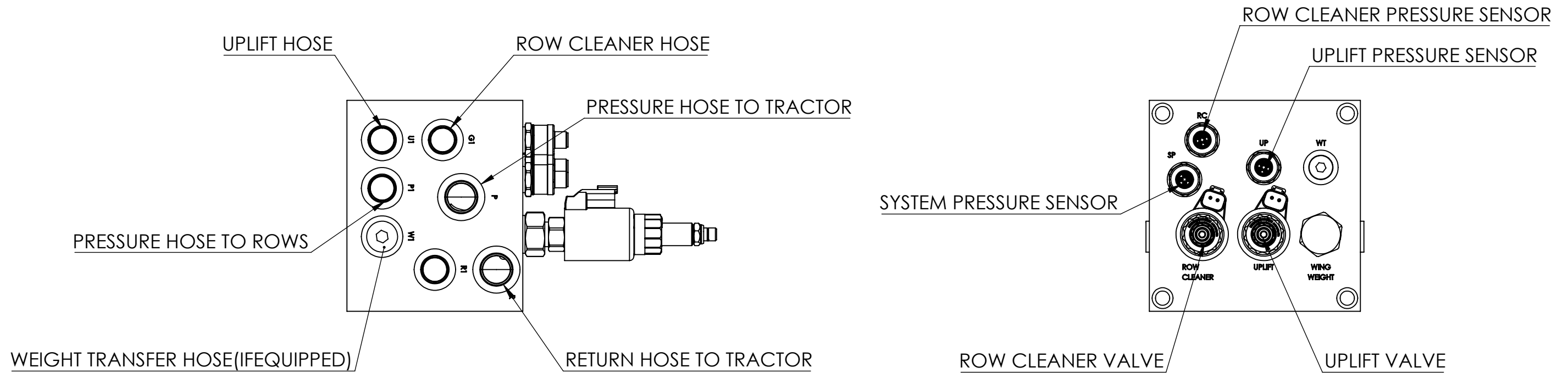
THE ANTENNA CAN BE PLACED ANYWHERE IT HAS CLEARANCE ABOVE IT & IS WITHIN DISTANCE FOR THE CABLE LEADS

OWASYS ANTENNA MOUNT CAN BE MOUNTED TO ANY 1-1/4" TUBING BY USING 2 SUPPLIED U-BOLTS

IT CAN ALSO BE MOUNTED TO THE 7X7 BAR WITH A 3/8" U-BOLT IF NECESSARY



REFLEX MANIFOLD PORTS

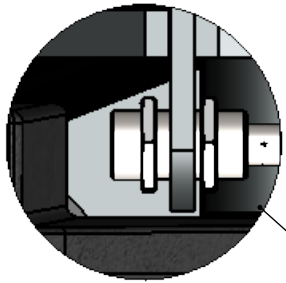


PORTS ON BOTH SIDES OF MANIFOLD TO BE USED TO CONNECT TO ROW UNITS.

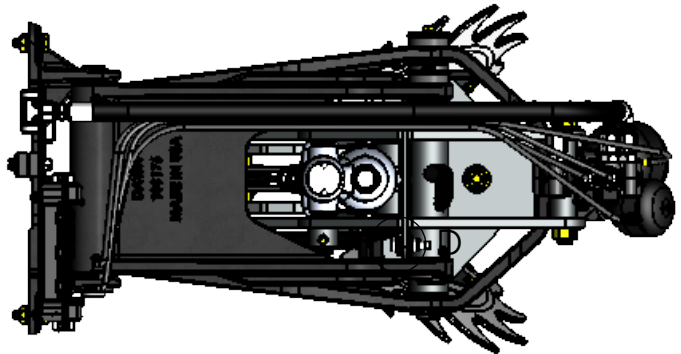
HALF FROM ONE SIDE AND HALF ON THE OTHER

PLURIBUS GEN5 HYDRAULICS & LIFT SWITCH

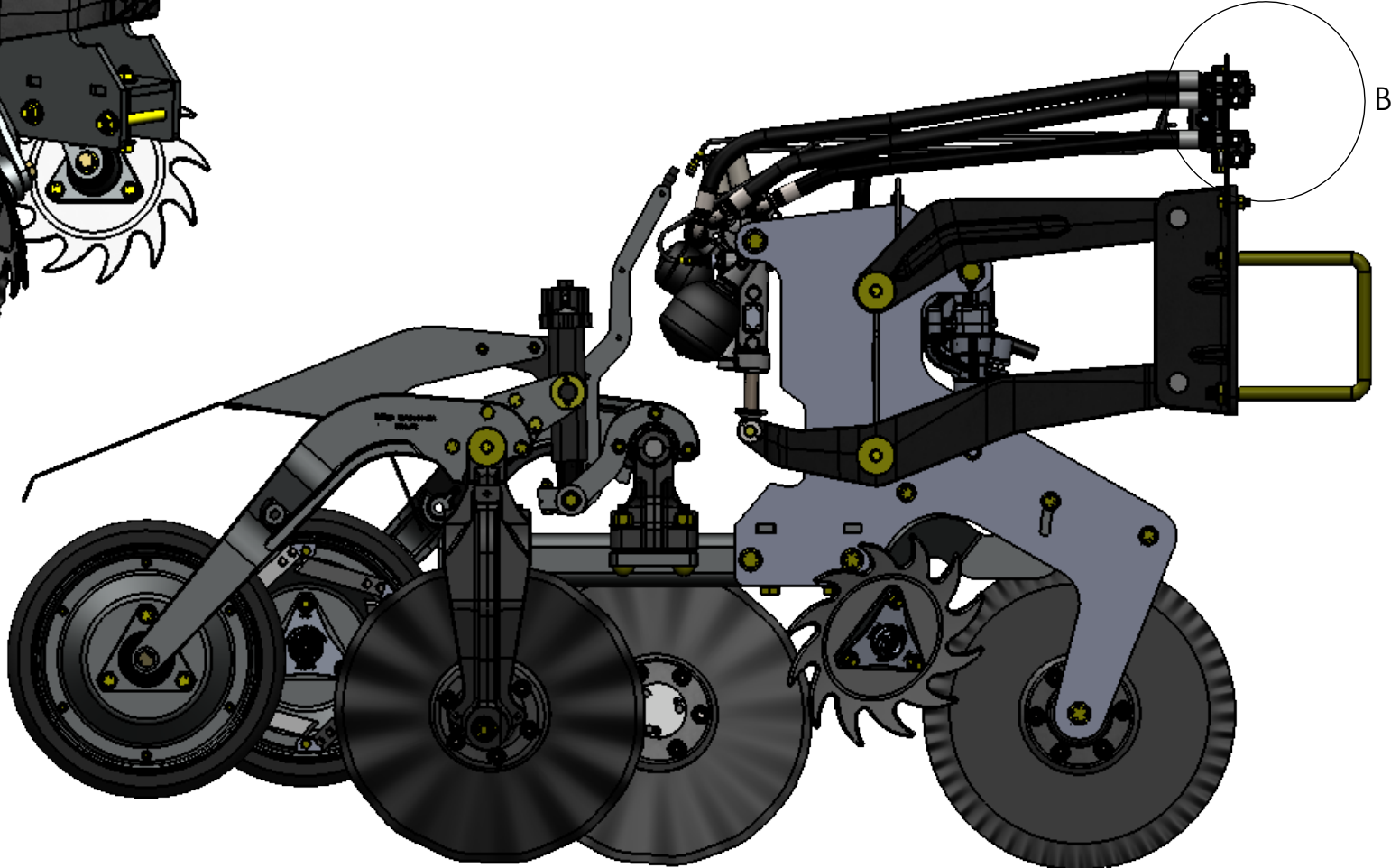
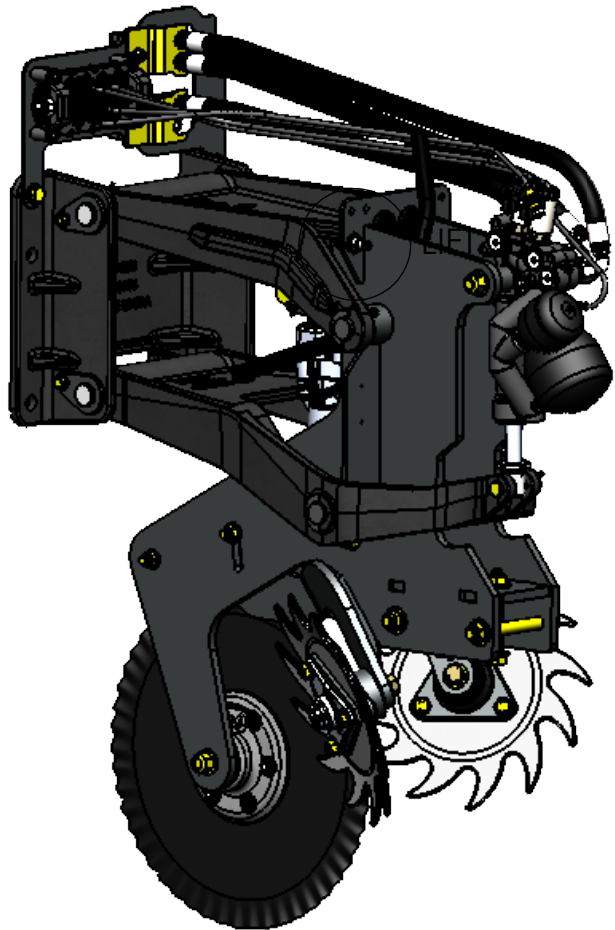
LIFT SWITCH PLACEMENT



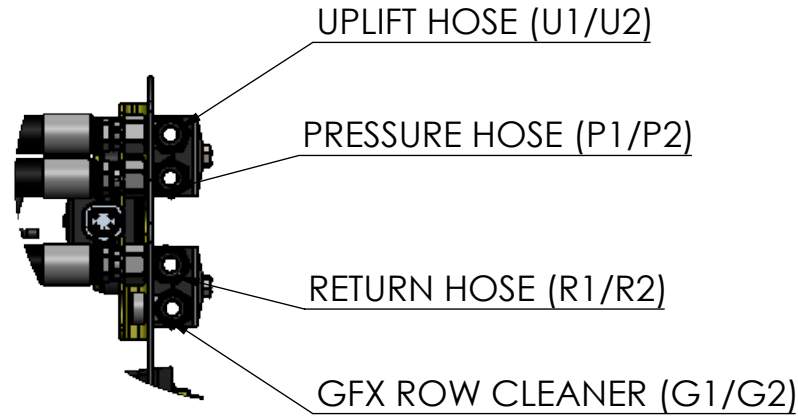
LIFT SWITCH CAN BE EASILY INSTALLED ON ONE OF THE CENTER ROWS AS SHOWN. WITH TOOLBAR RAISED, THERE SHOULD BE 1/8"-3/16" SPACE BETWEEN END OF SENSOR AND CASTING



LEAVE SENSOR JAM NUTS LOOSE UNTIL CORRECT POSITION HAS BEEN DETERMINED. LOWER TOOLBAR TO ALLOW ACCESS FOR WRENCH TO TIGHTEN NUTS



HOSE CONNECTIONS & MANIFOLD PORTS



TWO CENTER ROW HOSES WILL CONNECT TO CENTER MANIFOLD ON EITHER SIDE TO ASSOCIATED PORTS