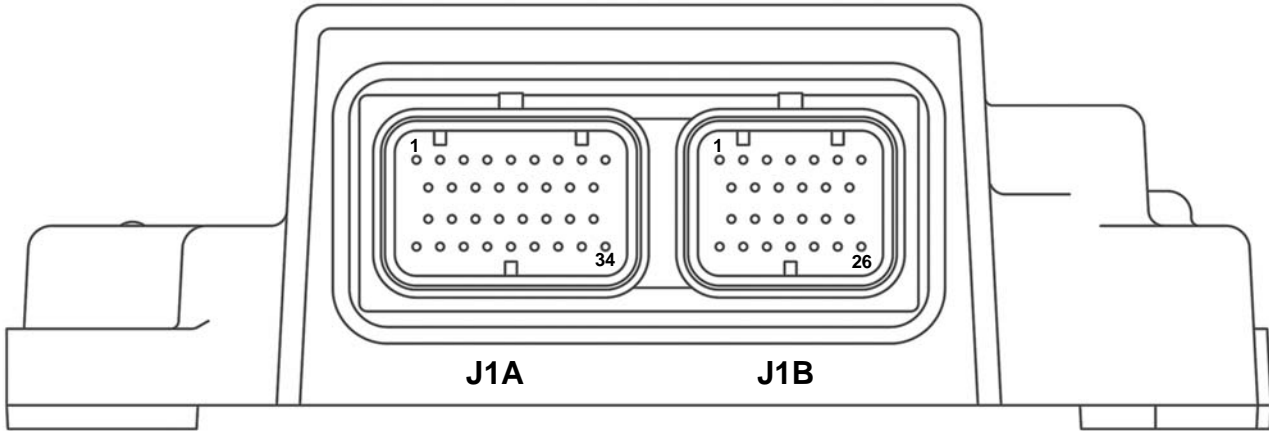


BOBCAT CONTROLLER (GATEWAY AND AUXILIARY) (CONT'D)

Connector Identification

Gateway Controller

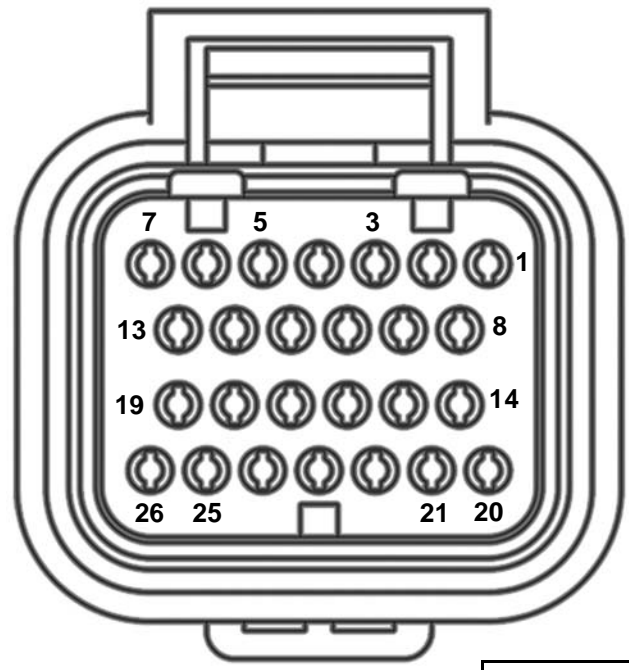


Harness Connector View



J1A

Harness Connector View



J1B

P-76622
P-76623
P-76624

BOBCAT CONTROLLER (GATEWAY AND AUXILIARY) (CONT'D)

Connector Identification (Cont'd)

J1A

PIN	WIRE NUMBER	COLOR	DESCRIPTION
1	2410	BLACK	HYD LOCK VALVE SOLENOID GROUND
2	2380	BLACK	LIFT SPOOL SOLENOID GROUND
3	8110	TAN	FUEL RELAY SIGNAL
4	8000	TAN	SWITCHED POWER RELAY SIGNAL
5	6320	PINK	MRKR LIGHT PWR RELAY SIGNAL
6	8510	TAN	GLOW PLUG RELAY SIGNAL
7	8210	TAN	STARTER RELAY SIGNAL
8	4110	LGN	TRACTION LOCK RELAY SIGNAL
9	OPEN	NA	NA
10	2370	BLACK	TILT SPOOL LOCK SOLENOID GROUND
11	7023	WHITE	AC SIGNAL MONITOR
12	OPEN	NA	NA
13	4150	LGN	TRACTION LOCK RELAY FEEDBACK
14	8550	TAN	GLOW PLUG RELAY FEEDBACK
15	3600	LBL	ENGINE SPEED SENSOR SIGNAL
16	3700	LBL	AIR FILTER SENDER SIGNAL
17	6210	PINK	REAR LIGHT RELAY SIGNAL
18	2910	BLACK	HYDRAULIC FAN GROUND
19	9370	PURPLE	PTOL LED
20	9380	PURPLE	PTOL SWITCH
21	8020	TAN	SWITCHED POWER RELAY FEEDBACK
22	8250	TAN	STARTER RELAY FEEDBACK
23	3440	LBL	HYD FAN DIFF PRESS SWITCH SIGNAL
24	9360	PURPLE	START ENGINE
25	3520	LBL	ENGINE OIL PRESS SENDER POWER
26	2350	BLACK	TWO SPEED GROUND
27	2360	BLACK	TWO SPEED MAKEUP GROUND
28	6230	PINK	REAR LIGHT RELAY FEEDBACK
29	OPEN	NA	NA
30	8150	TAN	FUEL RELAY FEEDBACK
31	6330	PINK	MRKR LIGHT PWR RELAY FEEDBACK
32	3300	LBL	HYD TEMP SIGNAL
33	OPEN	NA	NA
34	3430	LBL	HYD FILTER DIFF PRESS

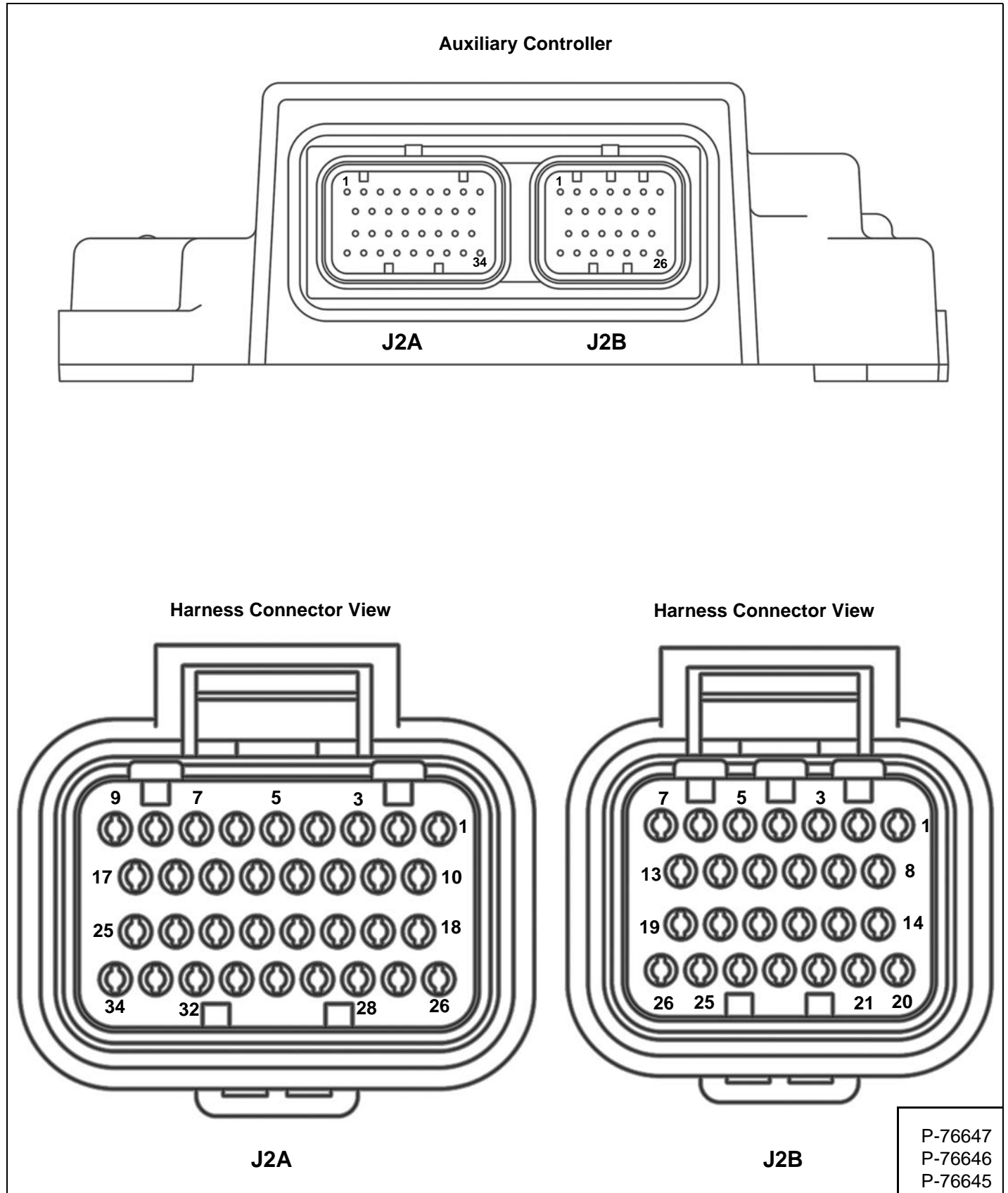
BOBCAT CONTROLLER (GATEWAY AND AUXILIARY) (CONT'D)**Connector Identification (Cont'd)**

J1B

PIN	WIRE NUMBER	COLOR	DESCRIPTION
1	3420	LBL	HYD CHARGE PRESS SENDER SIGNAL
2	1110	RED/WHT	COMPUTER FUSE POWER OUT
3	1130	RED/WHT	COMPUTER FUSE POWER OUT
4	8800	TAN	FUEL SHUTOFF SOLENOID HOLD
5	4380	LGN	LIFT SPOOL LOCK SOLENOID SIGNAL
6	4200	LGN	TRACTION SOLENOID OUTPUT
7	4370	LGN	TILT SPOOL LOCK SOLENOID SIGNAL
8	9210	PUR/WHT	CAN LO 0
9	9110	PUR/WHT	CAN HI 0
10	OPEN	NA	NA
11	3920	LBL	SEATBAR SENSOR SIGNAL
12	3100	LBL	FUEL SENDER SIGNAL
13	4410	LGN	HYD LOCK SOLENOID SIGNAL
14	9500	PUR/WHT	CAN HIGH 1
15	2500	BLACK	COMPUTER GROUND
16	2510	BLACK	COMPUTER GROUND
17	3010	LBL	SENSOR GROUND
18	3200	LBL	ENGINE COOLANT SENSOR SIGNAL
19	4010	LGN	HYDRAULIC FAN SIGNAL
20	9600	PURPLE	CAN LOW 1
21	9800	PURPLE	REMOTE ATTACHMENT SIGNAL
22	9350	PURPLE	RUN / ENTER
23	3400	LBL	HYDRAULIC CHARGE PRESSURE
24	3930	LBL	+5V SUPPLY
25	4360	LGN	TWO SPEED MAKEUP
26	4350	LGN	TWO SPEED SIGNAL

BOBCAT CONTROLLER (GATEWAY AND AUXILIARY) (CONT'D)

Connector Identification (Cont'd)



BOBCAT CONTROLLER (GATEWAY AND AUXILIARY) (CONT'D)

Connector Identification (Cont'd)

J2A

PIN	WIRE NUMBER	COLOR	DESCRIPTION
1	2340	BLACK	FRONT BASE SOLENOID GROUND
2	2440	BLACK	JEM BLOCK REAR BASE SOLENOID GROUND
3	6520	PINK	LEFT BLINKER SIGNAL
4	6420	PINK	RIGHT BLINKER SIGNAL
5	7200	WHITE	HORN SIGNAL
6	OPEN	NA	NA
7	OPEN	NA	NA
8	OPEN	NA	NA
9	OPEN	NA	NA
10	2430	BLACK	JEM BLOCK REAR ROD SOLENOID GROUND
11	4810	LGN	LEFT HANDLE PADDLE RIGHT
12	4820	LGN	LEFT HANDLE PADDLE LEFT
13	4910	LGN	RIGHT HANDLE RIGHT ROCKER UP
14	OPEN	NA	NA
15	OPEN	NA	NA
16	OPEN	NA	NA
17	OPEN	NA	NA
18	2330	BLACK	FRONT ROD SOLENOID GROUND
19	OPEN	NA	NA
20	4640	LGN	FLOAT SIGNAL
21	OPEN	NA	NA
22	4830	LGN	LEFT HANDLE RIGHT ROCKER DOWN
23	OPEN	NA	NA
24	OPEN	NA	NA
25	OPEN	NA	NA
26	2460	BLACK	HIGH FLOW SOLENOID GROUND
27	OPEN	NA	NA
28	4840	LGN	LEFT HANDLE RIGHT ROCKER UP
29	OPEN	NA	NA
30	4940	LGN	RIGHT HANDLE LEFT ROCKER UP
31	4930	LGN	RIGHT HANDLE LEFT ROCKER DOWN
32	OPEN	NA	NA
33	OPEN	NA	NA
34	OPEN	NA	NA

BOBCAT CONTROLLER (GATEWAY AND AUXILIARY) (CONT'D)

Connector Identification (Cont'd)

J2B

PIN	WIRE NUMBER	COLOR	DESCRIPTION
1	OPEN	NA	NA
2	1180	RED/WHT	COMPUTER FUSE POWER OUT
3	1150	RED/WHT	COMPUTER FUSE POWER OUT
4	4450	LGN	DIVERTER SOLENOID SIGNAL
5	4440	LGN	REAR BASE SIGNAL
6	4480	LGN	FRONT / REAR AUXILIARY SIGNAL
7	4430	LGN	REAR ROD SIGNAL
8	9220	PURPLE	CAN LO 0
9	9120	PUR/WHT	CAN HI 0
10	OPEN	NA	NA
11	OPEN	NA	NA
12	OPEN	NA	NA
13	4340	LGN	FRONT BASE SOLENOID SIGNAL
14	OPEN	NA	NA
15	2550	BLACK	AUXILIARY CONTROLLER GROUND
16	2540	BLACK	AUXILIARY CONTROLLER GROUND
17	4310	LBL	RIGHT HANDLE PWM LOW
18	4320	LBL	RIGHT HANDLE PWM SIGNAL
19	4330	LGN	FRONT ROD SOLENOID SIGNAL
20	OPEN	NA	NA
21	4920	LGN	RIGHT HANDLE TRIGGER RETURN
22	1560	RNG	SWITCHED INPUT POWER
23	4300	LGN	RIGHT HANDLE PWM HIGH
24	OPEN	NA	NA
25	OPEN	NA	NA
26	4460	LGN	HIGH FLOW SOLENOID SIGNAL

BOBCAT CONTROLLER (GATEWAY AND AUXILIARY) (CONT'D)

Removal And Installation

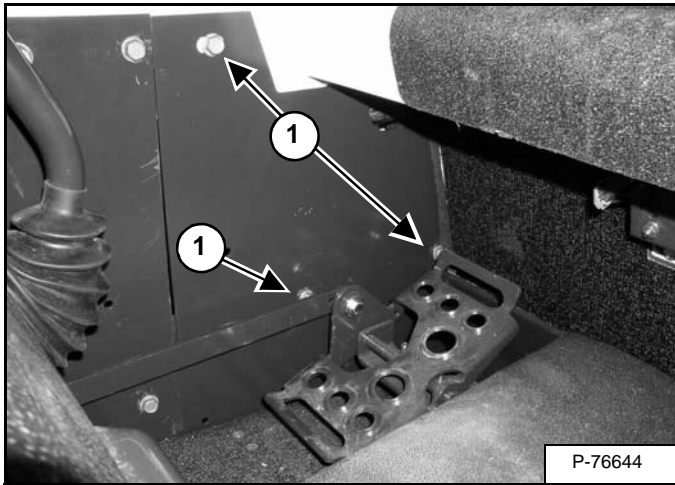
Raise the lift arms and install an approved lift arm support device. (See Installing on Page 10-20-1.)

Stop the engine. Raise the seat bar.

Lift and block the rear of the loader. (See Procedure on Page 10-10-1.)

Raise the operator cab. (See Raising on Page 10-30-2.)

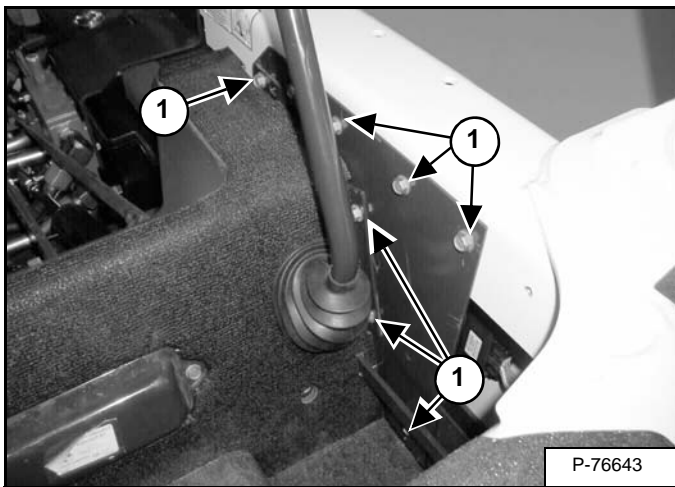
Figure 60-70-1



Remove the mount bolts (Item 1) [Figure 60-70-1].

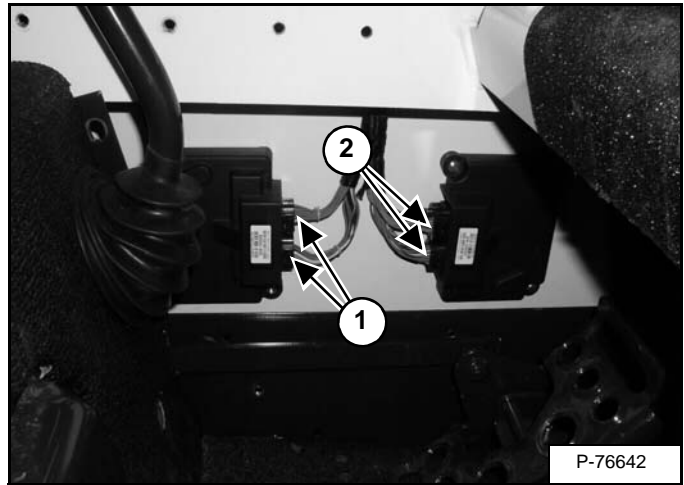
Remove the panel from the loader.

Figure 60-70-2



Remove the mount bolts (Item 1) [Figure 60-70-2] and remove the panel.

Figure 60-70-3

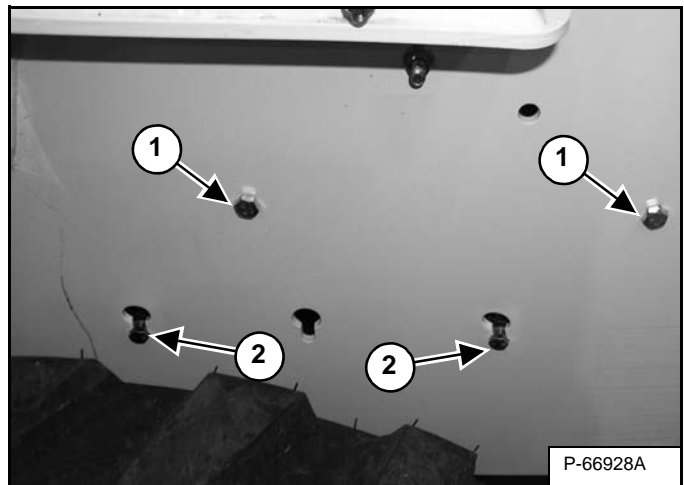


Unplug the two harness connectors (Item 1) [Figure 60-70-3] from the Gateway controller.

Unplug the two harness connectors (Item 2) [Figure 60-70-3] from the Auxiliary controller.

NOTE: The connectors are keyed and will only plug in one way.

Figure 60-70-4



Remove the controller mounting bolts (Item 1) [Figure 60-70-4] from the left fender.

Loosen the controller mounting bolts (Item 2) [Figure 60-70-4].

Installation: Tighten the controller mounting bolts to 12 - 14 ft.-lb. (16 - 19 N•m) torque.

Lift and remove the Gateway and Auxiliary controllers from the loader.

BOBCAT CONTROLLER (ACS)

Description

The ACS controller is used along with the drive plus controller on All Wheel Steer loaders. This controller processes information for the lift and tilt functions.

The ACS controller is housed in a grey colored plastic shell with black potting. The ACS controller communicates with the Main Bobcat Controller by CAN communication wires. The ACS controller is capable of receiving upgrades to the software.

The ACS controller is located behind the right side access panel near the operators right foot.