

ABB Dress Out Kit Instruction Manual



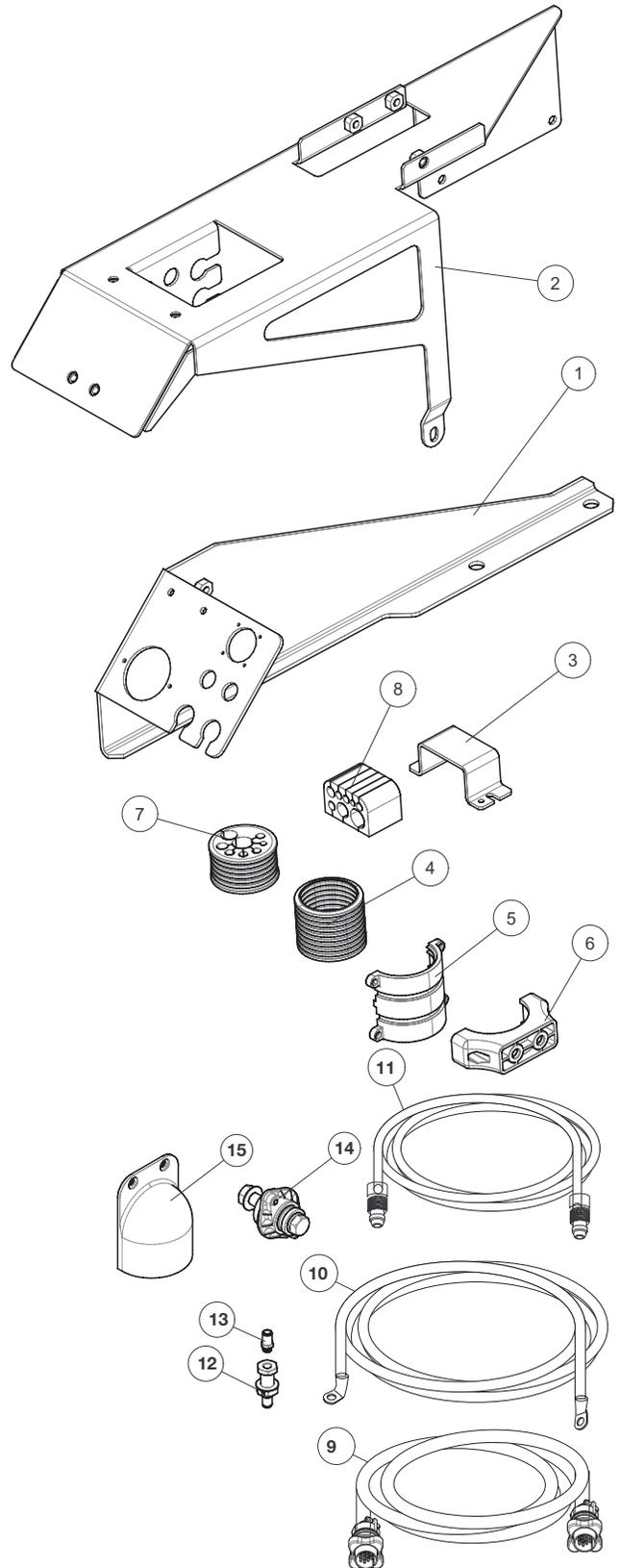
WARNING



Turn off power to arm and feeder before installing dress out kit. Verify that power is not available to wirefeeder.
Only qualified personnel should install Dress Out Kit.

Select your arm: **K4253-IRB1410-B**

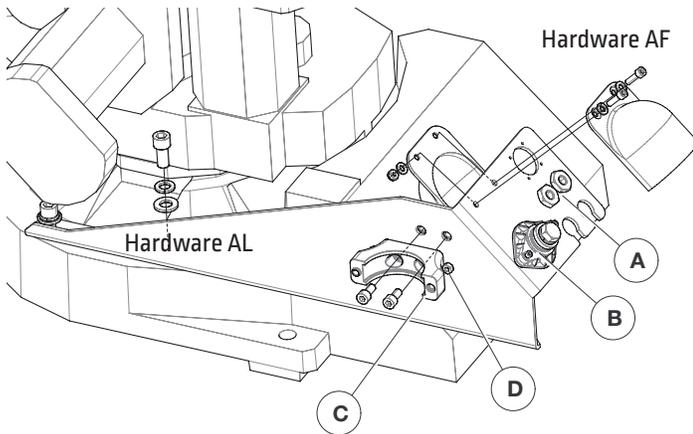
ITEM	Lincoln PN	DESCRIPTION	UNIT	QTY
1	M25433-16	ABB Bulk Head Bracker B	PC	1
2	M25433-17	ABB Wire Feeder Bracker A	PC	1
3	M25455-1	Block, Cable Holder Bracket,Top	PC	1
4	M25431-22	52mm Conduit, PARAB Nylon	M	2.1
5	S30266-24	Insert, Conduit Clamp	PC	4
6	S30266-27	Clamp, 52mm Conduit	PC	4
7	S30266-25	Rubber Holder, Axis 1	PC	1
8	S30266-26	Block, Cable Holder	PC	1
9	M25440-3	CONTROL CABLE (ArcLink 14 pin) , (3)	PC	1
10	M25439-3	POWER CABLE WITH BEND,(2.9M)	PC	1
11	M25437-3	GAS HOSE , (2.9M)	PC	1
12	S30266-8	GAS FITTING	PC	2
13	S30266-16	FEMALE CONNECTOR	PC	2
14	S16656-5	OUTPUT STUDS	PC	1
15	M20007	OUTPUT STUDS COVER	PC	2
16	S30267-3	HARDWARE KIT	PC	1
17	IM10377	INSTRUCTION MENU	PC	1



Step 1

Assemble and install the base bulkhead.

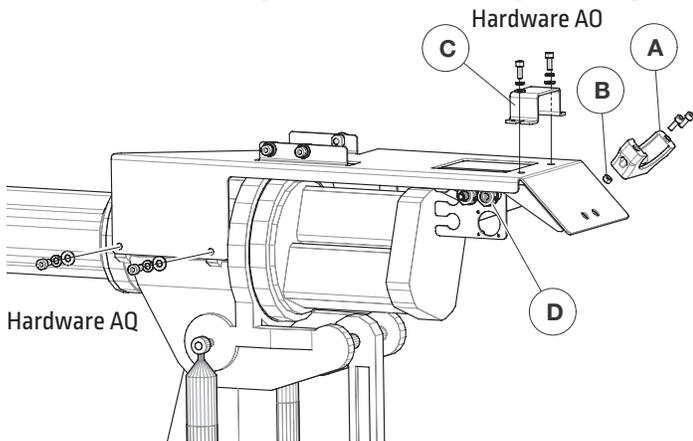
- Install the air and gas bulkheads, including the fittings.
- Install the 3/0 lug and the rubber boots.
- Install one part of the conduit clamp.
- Install two M6 nuts in the plastic conduit clamp to make it easier when finishing the clamp assembly later.



Step 2

Install the axis 3 brackets.

- Install one part of the conduit clamp.
- Install two M6 nuts in the plastic conduit clamp to make it easier when finishing the clamp assembly later.
- Install the hardware for the rectangular clamp bracket. Leave the bolts loose.
- Install the air and gas bulkheads, including the fittings.



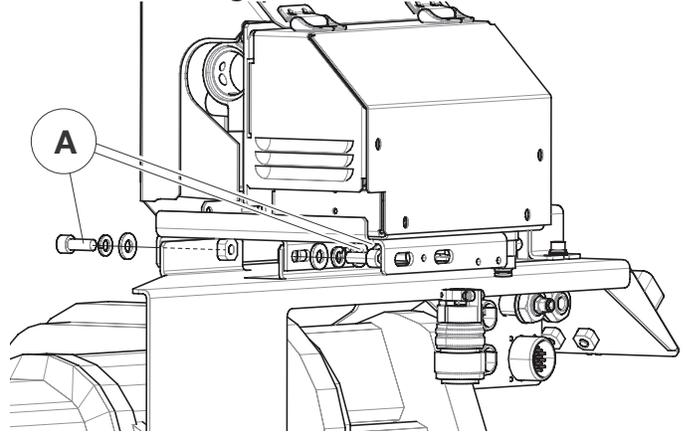
Remove existing bolt prior to installing bracket, then use same bolt to secure bracket



Step 3

Install the Wire Feeder.

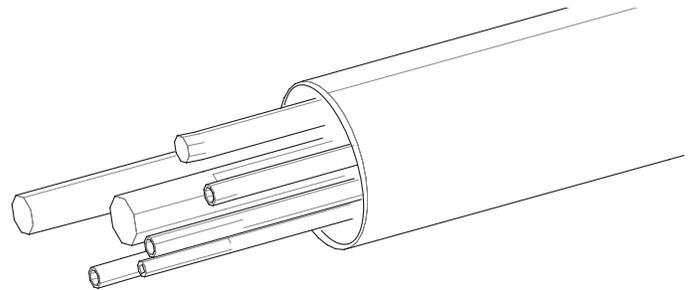
- Tighten all bracket bolts down securing the wire feeder to the robot using hardware AQ.



Step 4

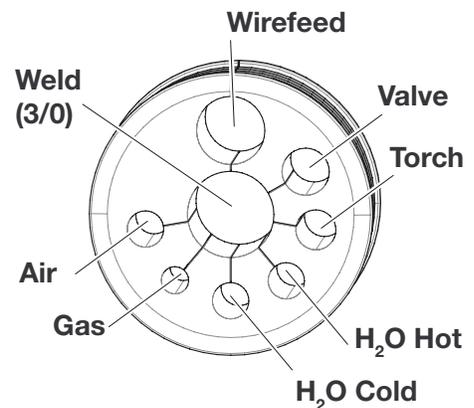
Assemble the cable bundle

- Lay all cables out on the floor. Have all cables running the same direction with the wire feeder end on one side and the base bulkhead end on the opposite side.
- Slide the conduit over the cables.
 - It helps to stagger the cables, push one a few inches through, then insert another one in, and keep doing that until all the cables come out the other end.

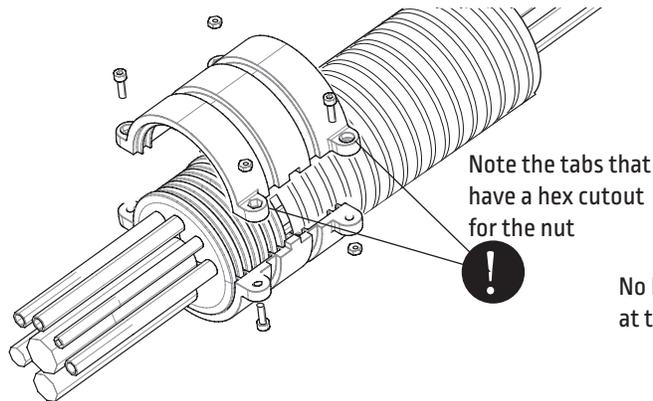


- Install a round rubber strain relief on the base bulkhead end only.

- Note the wire feeder end does not have a round rubber strain relief.

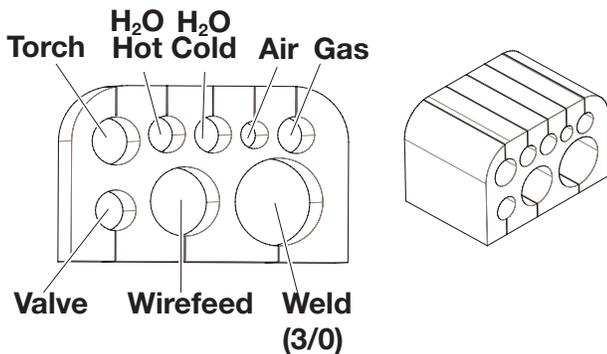


- d. Use hardware AN to secure the plastic clamps to the round rubber strain relief and the conduit on the base bulkhead end. Use hardware AN M3 to secure the plastic clamps to the conduit on the wire feeder end (no rubber strain relief on this end)



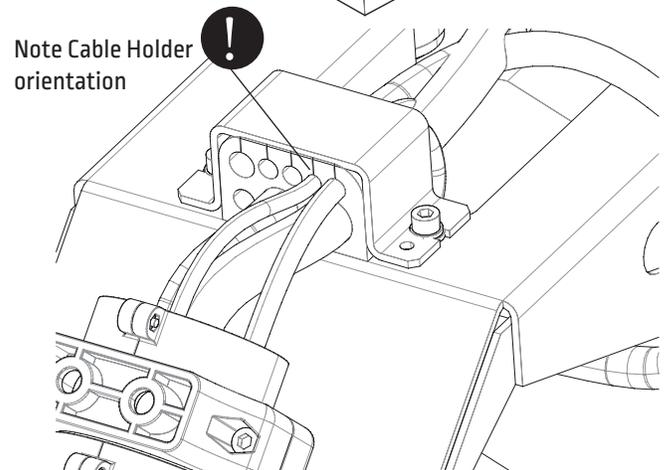
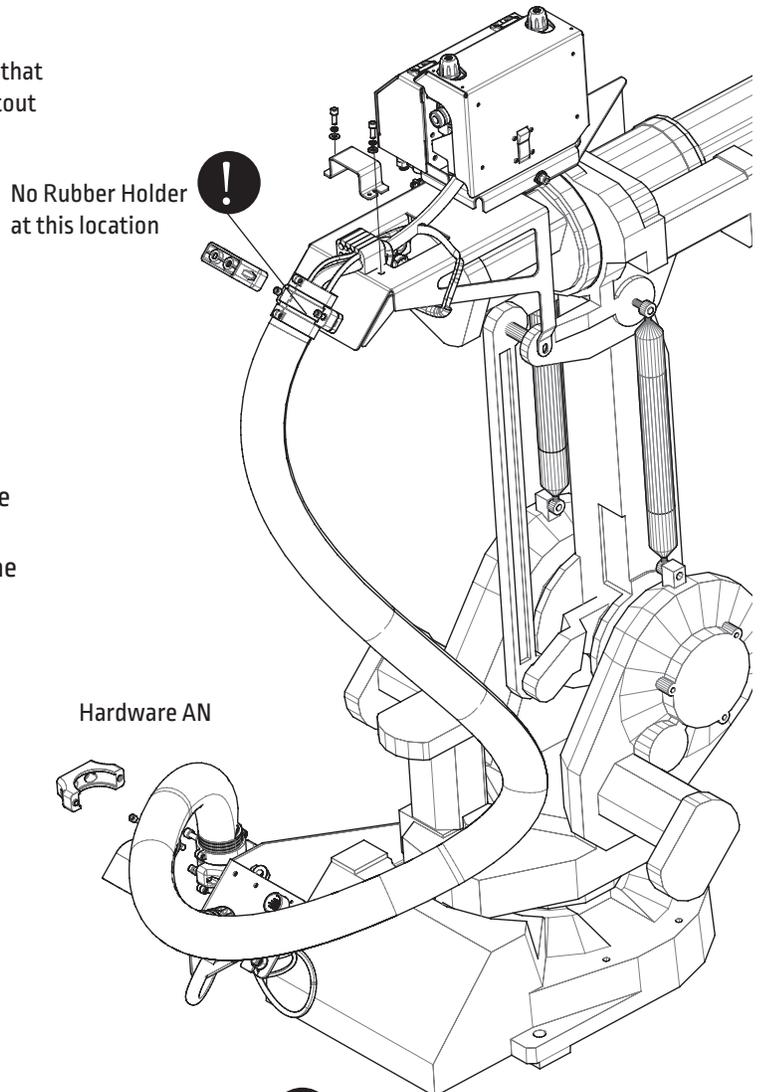
- i. The plastic clamps have a side for the M3 nut to fit into, make sure you put the M3 nut on the correct end or it will never tighten up.
- ii. The conduit and rubber strain relief should slide into the plastic clamp fairly easily, if it doesn't, make sure that the grooves are lined up with the rubber strain relief and the conduit.

- e. On the wire feeder end, route cables and hoses through the rectangular rubber block as show in callout. Pay attention to the orientation. Fix the holder with item 3, bracket with Hardware A0.



Step 5 Install the cable bundle on the robot.

- a. Start by finishing the install of the round clamp at axis 3.
- b. Install the other 2 strain relief brackets – one at axis 3 (rectangular) and one at the base (round).



K4253-IRB1410-B

S30267-3 Hardware Kit Contents		
DESCRIPTION	Description	QTY
Hardware AL (Bracket B to Robot base)	M12x25 bolt	2
	M12 spring washer	2
	M12 flat washer	2
Hardware AM (control cables for A&B Bracket)	M3x10 screws	8
Hardware AN (corrugated pipe to bracket)	M8x15 bolt	4
	M6x36 bolt	4
	M6 nut	4
	M3x10 screws	8
	M3 nut	8
Hardware AO (Rectangular clamps to robot brackets)	M6x16 bolt	2
	M6 spring washer	2
	M6 flat washer	2
Hardware AQ (feeder brackets to arm	M8x20 bolt	4
	M8 spring washer	6
	M8 flat washer	6
	M8x15 bolt	2
Hardware AF (output stud and cover)	M4x16 bolt	2
	M6x20 bolt	2
	M6 Nylon Lock Nut	2
	M6 flat washer	4
	1/2 Bolt	1
	1/2 flat washer	2
	1/2 Nut	1
	1/2" spring washer	2
Hardware J	Black Zip Tie	10