

	FeedLogic		
	Procedure		
	P-03943	Doc Rev: 0	Effective: Dec 2, 2025

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1 SCOPE/PURPOSE

- 1.1 This procedure describes how to assemble the Static Dissipation Assembly

2 RESPONSIBILITIES

- 2.1 Feedlogic approved technicians

3 EQUIPMENT/SYSTEMS

- 3.1 5/32 Allen wrench
 3.2 (2) ½” wrenches
 3.3 7/16” wrench
 3.4 Loctite 638

4 PROCEDURE CONTENT

- 4.1 Gather parts / materials listed Below:

NOTE: Make sure to keep track of each bolt as they have different lengths

Qty	Description
1	Static Dissipation Truck Spring Bolt, 3/4" long, 42001244
1	Static Dissipation Bar Spring Bolt, 3/8" long, 42001243
1	Static Dissipation Bar Spring, .438 OD, 3 1/2" long, 42001247
1	Static Dissipation Bar Bearing, 42001245
1	Static Dissipation Wheel Spacer, 42001248
1	Static Dissipation Bar, 52000391
1	Modified - Static Dissipation Bar Mounting Bolt, 1 7/8" long, 52000398
1	Modified - Static Dissipation Bar Wheel Mounting Bolt, 1 3/4" long, 52000390
1	Ground Wire Assy W/120 Ohm resistor, 52000397
1	1/4" Nylock Nut, 42006370
1	1/4" Flat Washer, 42006377
1	Static Dissipation Wheel, 52000393
2	Bearing for inside Wheel, 42000874
1	Spacer for inside Wheel, 52000327

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4.2 Assemble the Wheel

Gather the Wheel, (2) Bearings and Inside Wheel spacer. You will also need a small press or a vice



Press one bearing into the Wheel
Insert the Spacer



Press in the 2nd bearing



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4.3 Static Dissipation Wheelie bar Sub-Assembly

Static Dissipation Wheelie Bar Sub-Assembly



1. Install the Bearing, 42001245 use Loctite#638 around the bearing



2. Install the Wheel to the Bar (Note that it is on the SAME side as the flange of the bearing.)
 - A. Insert the Bolt 52000390, through the Wheel 52000393, through the Spacer 42001248, and through the bar and attach with the Nut 42006370.
 - B. Tighten then loosen slightly.



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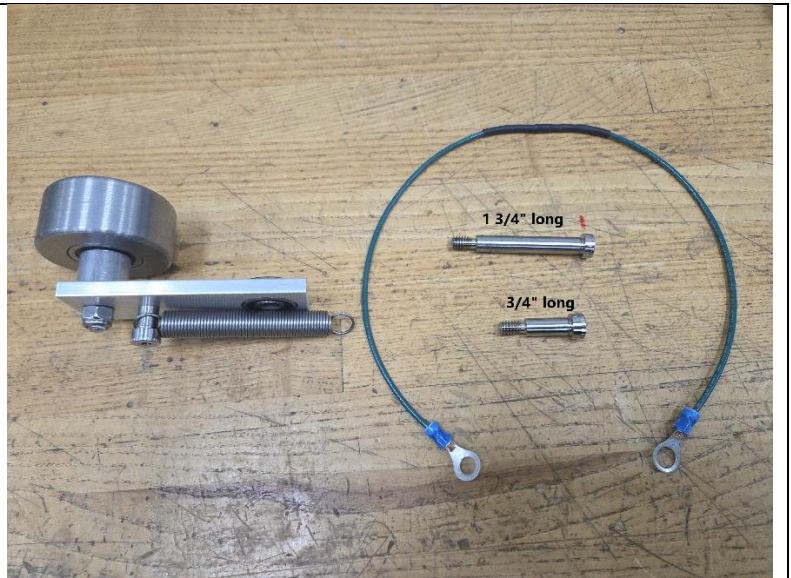
3. Place the Spring 42001245 on the Bolt 42001243 and screw that onto the bar



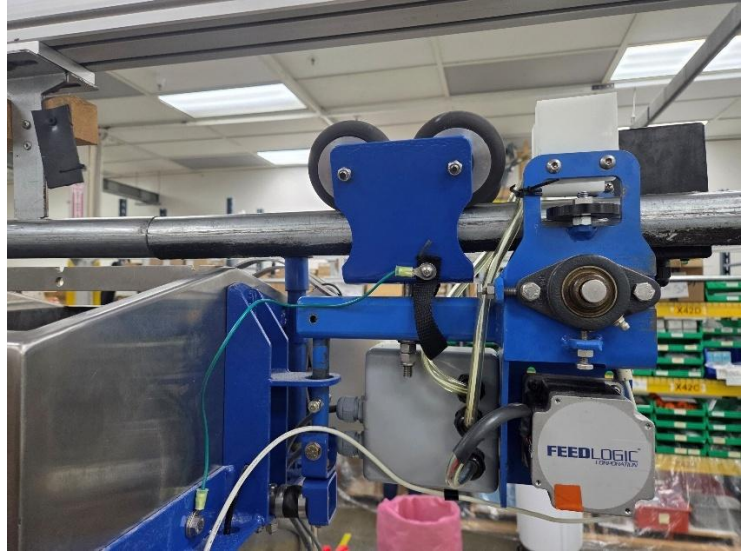
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4.4 Installing the Static Dissipating wheelie bar onto the FDU

1. Components needed:
Wheelie Bar assembly
Ground wire W/Resistor
Long Bolt to replace current
Wheel bolt
Short bolt to attach to safety strap




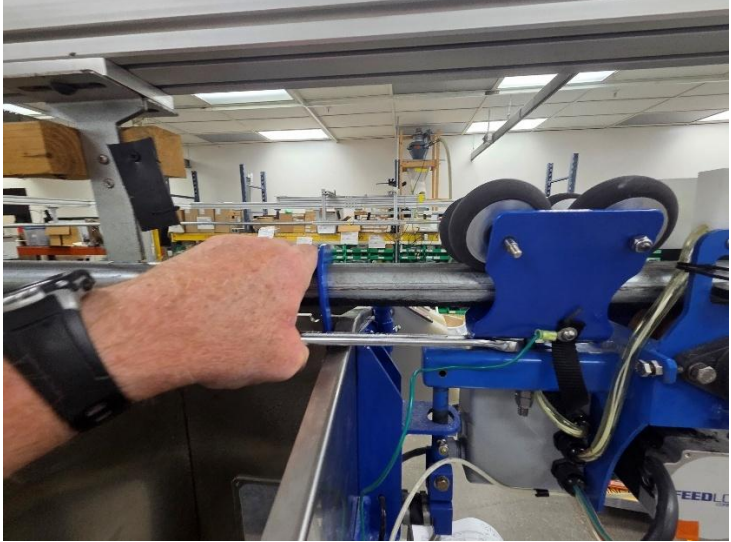
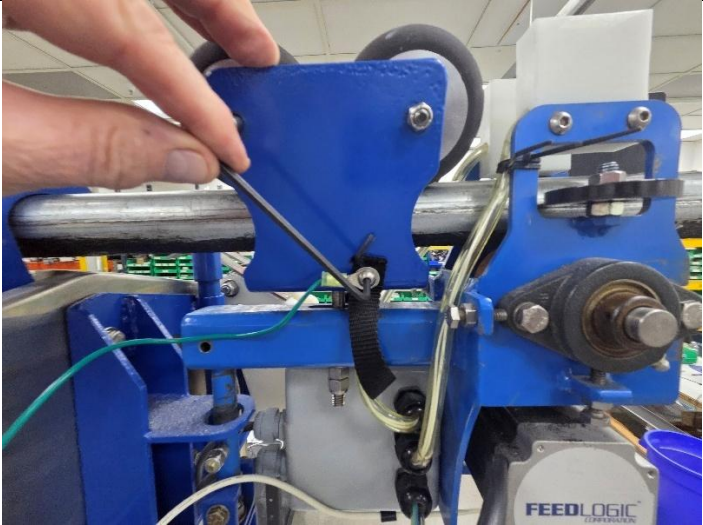
2. Stop the FDU in an area you can access the Front Wheel Truck (NOT AT THE LOAD STATION)



3. Lift the Controller Side up to latch the Hook



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<p>4. Remove the Nut from the back Wheel on the truck.</p> <p>A. You can use a wrench or a ratchet.</p>	
<p>5. Remove the Old Bolt from the Back roller wheel.</p> <p>A. Wedge a long wrench between the bottom of the wheel truck and the Top of the Drive and Suspension Bracket.</p> <p>B. Lift up on the wrench to remove the bolt</p> <p>C. Insert the New Longer Bolt, 52000398 through the wheel, through the truck.</p>	
<p>6. Remove the Old Bolt and ground wire, allow the ground wire to dangle down</p>	

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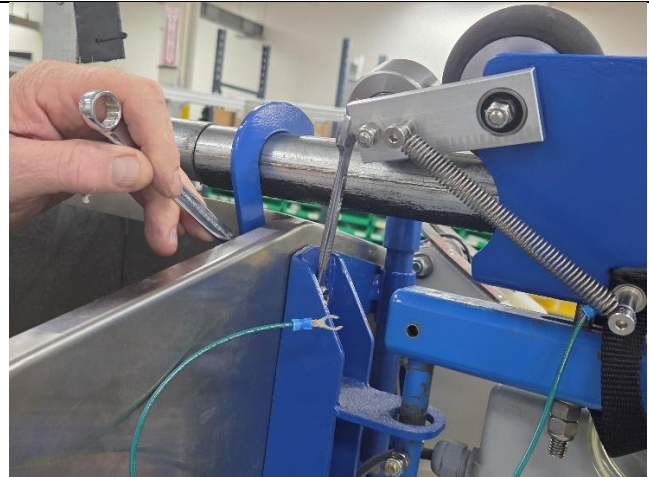
7. Install the open side of the Spring from the Assembly above, onto the bolt 42001243, then the Ground wire ring connector, then the washer 42006377 onto the Shoulder bolt 42001244. Then Screw the bolt onto the wheel truck.



8. Install the assembly onto the Wheel Truck
A. Lift and Stretch the spring /wheel assembly over the Rail.
B. Slide the Wheelie Bar onto the Bolt on the Wheel Truck.
C. Place the Nut back onto the bolt then tighten the Nut/bolt completely, then back off a 1/4 Turn.

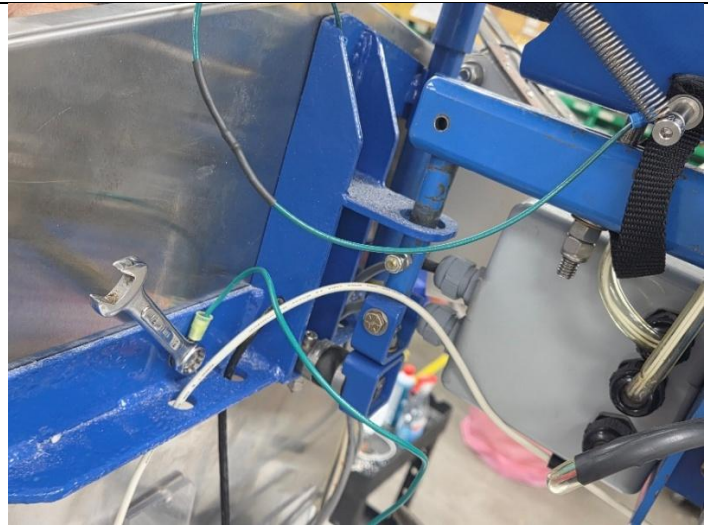


9. Hook the Ground wire to the FDU Chassis
A. Loosen the Bolt at the top of the bracket at the Center
B. Install the Open ring connector from the Ground wire. Retighten the bolt.
C. Make sure the wire is tightened pointing towards the back of the machine.



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10. Remove old GND wire from lower bolt



11. Align ground wire to be pointed down on the Wheel truck

