

Assembly Instructions



FUSION

 **Bluestreak**equipment MAGNETICS
APPLICATION DRIVEN DESIGN

Bluestreak Equipment
1645 Hwy #3, Delhi, Ontario, Canada N4B 2W6

What's In The Box - Parts

A) Fusion 3" Thermoplastic Rubber Wheels Mounted on a Polypropylene Core - 2 pcs



B) Fusion 5" Thermoplastic Rubber Wheels Mounted on a Polypropylene Core - 2 pcs



C) Fusion Fined Black PVC Drum - 1 pc



D) Fusion Ceramic Magnet Assembly w/Steel Axle Shaft - 1 pc



E) Fusion Aluminum End Plates - 2 pcs



F) Fusion Aluminum Debris Tray - 1 pc



G) Fusion Aluminum Debris Tray Supports - 2 pcs



H) Fusion Aluminum Debris Tray Handle - 1 pc



i) Fusion Aluminum Upper Y Handle and Grip - 1 pc



J) Fusion Aluminum Lower Y Handle Arms - 2 pcs



Fasteners & Small Parts

A) Fusion 3" Thermoplastic Rubber Wheels Mounted on a Polypropylene Core - 2 pcs



B) Fusion 5" Thermoplastic Rubber Wheels Mounted on a Polypropylene Core - 2 pcs



C) Fusion Finned Black PVC Drum - 1 pc



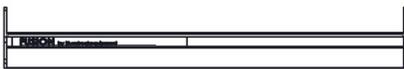
D) Fusion Ceramic Magnet Assembly w/Steel Axle Shaft - 1 pc



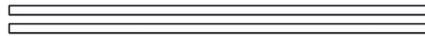
E) Fusion Aluminum End Plates - 2 pcs



F) Fusion Aluminum Debris Tray - 1 pc



G) Fusion Aluminum Debris Tray Supports - 2 pcs



H) Fusion Aluminum Debris Tray Handle - 1 pc



i) Fusion Aluminum Upper Y Handle and Grip - 1 pc

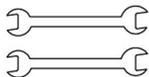


J) Fusion Aluminum Lower Y Handle Arms - 2 pcs



Tools Needed

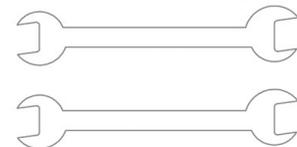
7/16" Wrench - 2 pcs



1/2" Wrench - 2 pcs

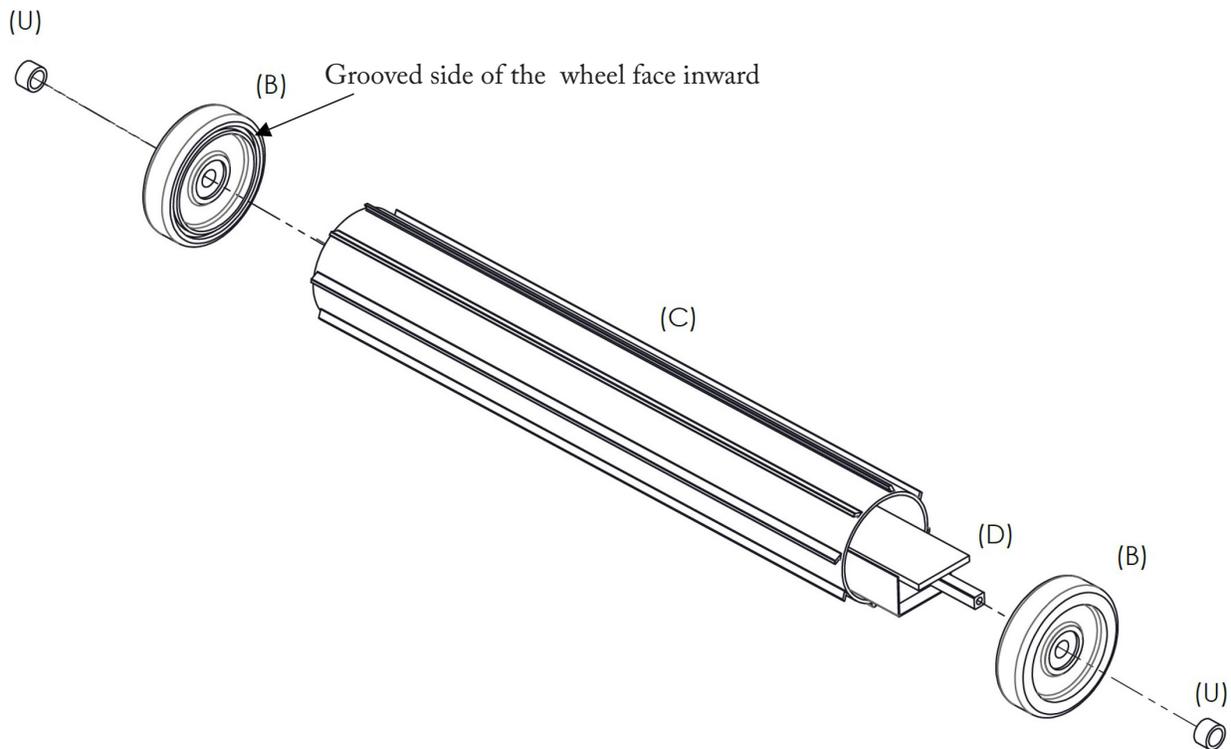


9/16" Wrench - 2 pcs



Step 1

FINNED PVC DRUM AND MAGNET ASSEMBLY



1. Finned PVC Drum and Magnet Assembly

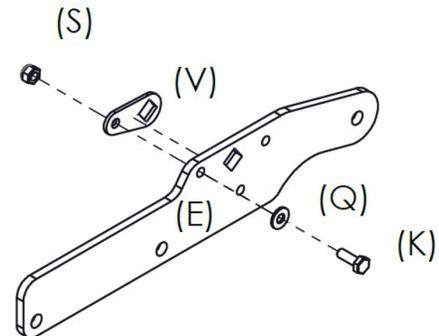
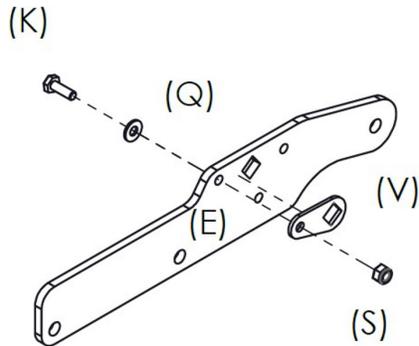
- Insert the magnet assembly (Item D) into the finned PVC drum (Item C).
- Slide a 5" wheel (Item B) on each side of the magnet assembly (Item D)'s square axle shaft so that the finned PVC drum (Item C) will be pushed into the groove in the one side of the 5" wheels (Item B).
- Slide an aluminum spacer (Item U) on each side of the magnet assembly (Item D)'s square axle shaft.

Note: When the finned PVC drum is fully pushed into the groove in the wheels, the ends of the fins will touch the rubber on the side of the wheels.

Note: There will also be slightly more than a 1/4" of the square axle sticking out beyond the aluminum spacer (Item U) on each side.

Step 2

ATTACH AXLE POSITIONERS TO END PLATES



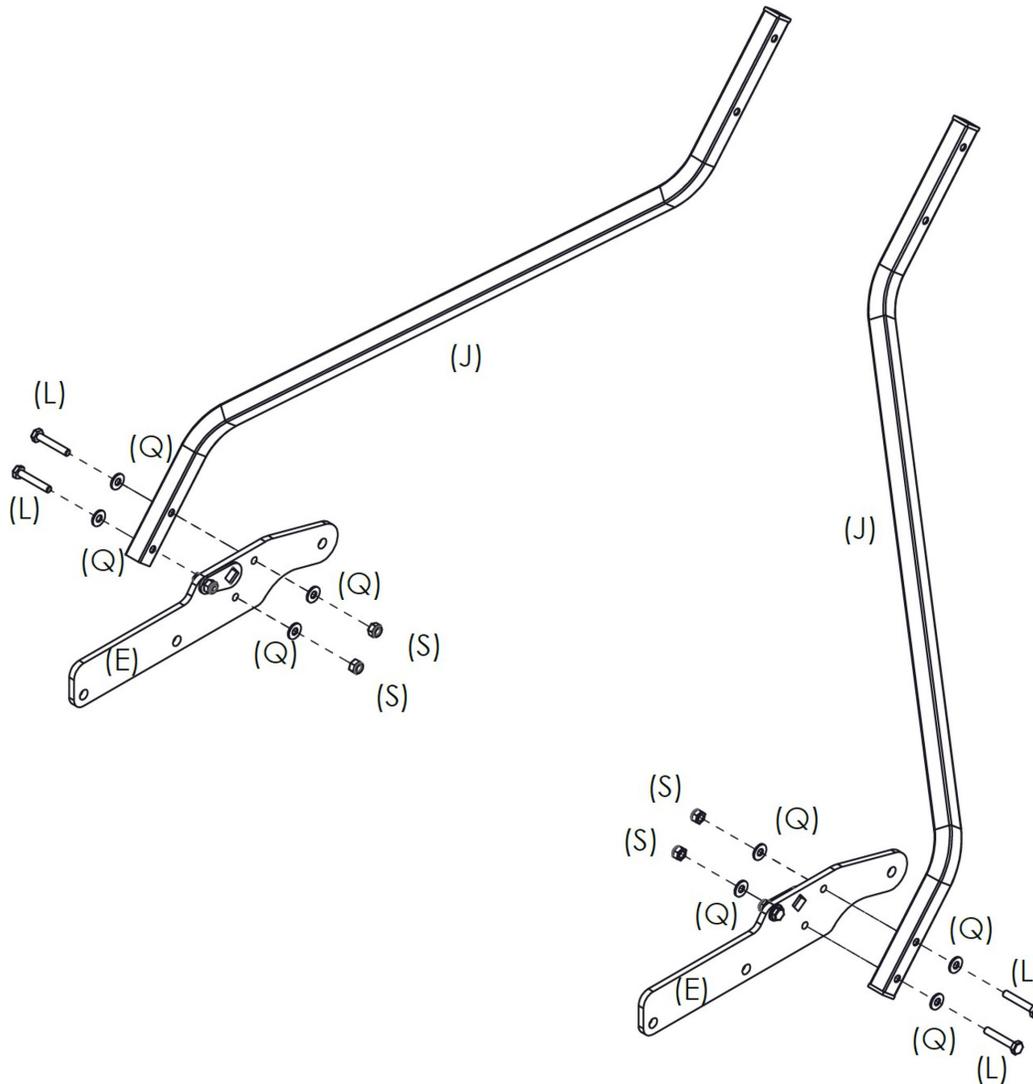
1. Attach Axle Positioners to End Plates

- Insert 1/4" x 3/4" Hex Bolt (Item K) thru 1/4" Washer (Item Q), thru end plate (Item E), thru axle positioner (Item V) and fasten on a 1/4" Nyloc Nut (Item S).
- Repeat for opposite side making both a right- and left-handed assembly.

Note: Make sure the axle positioner (Item V)'s square hole is aligned with the square hole on the end plate (Item E). Try it on the square axle if needed.

Step 3

ATTACH LOWER Y-HANDLE ARMS TO END PLATES



1. Attach Lower Y-Handle Arms to End Plates

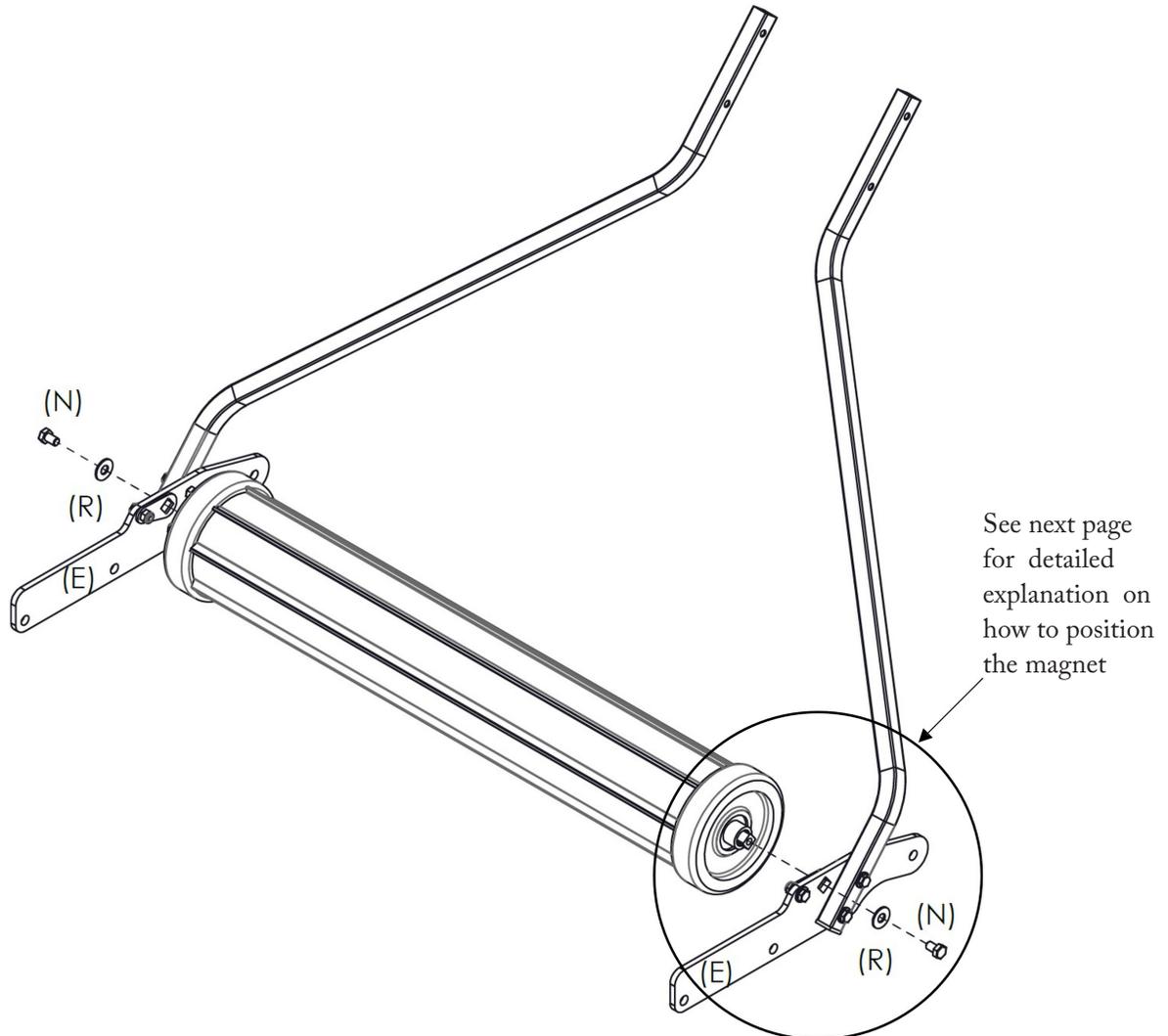
- Attach the end of the lower Y-handle arms (Item J) with the least distance between the holes to the end plates (Item E) using 2 pcs 1/4" x 1 1/2" Hex Bolt (Item L), 4 pcs 1/4" Washer (Item Q) and 2 pcs 1/4" Nyloc Nuts (Item S).
- Repeat for opposite side to make both the left- and right-hand assembly.

Note: The lower Y-handle arms (Item J) have different spacing between the holes on each end.

Note: Do not tighten these bolts until after step 7.

Step 4

ATTACH DRUM ASSEMBLY AND END PLATES



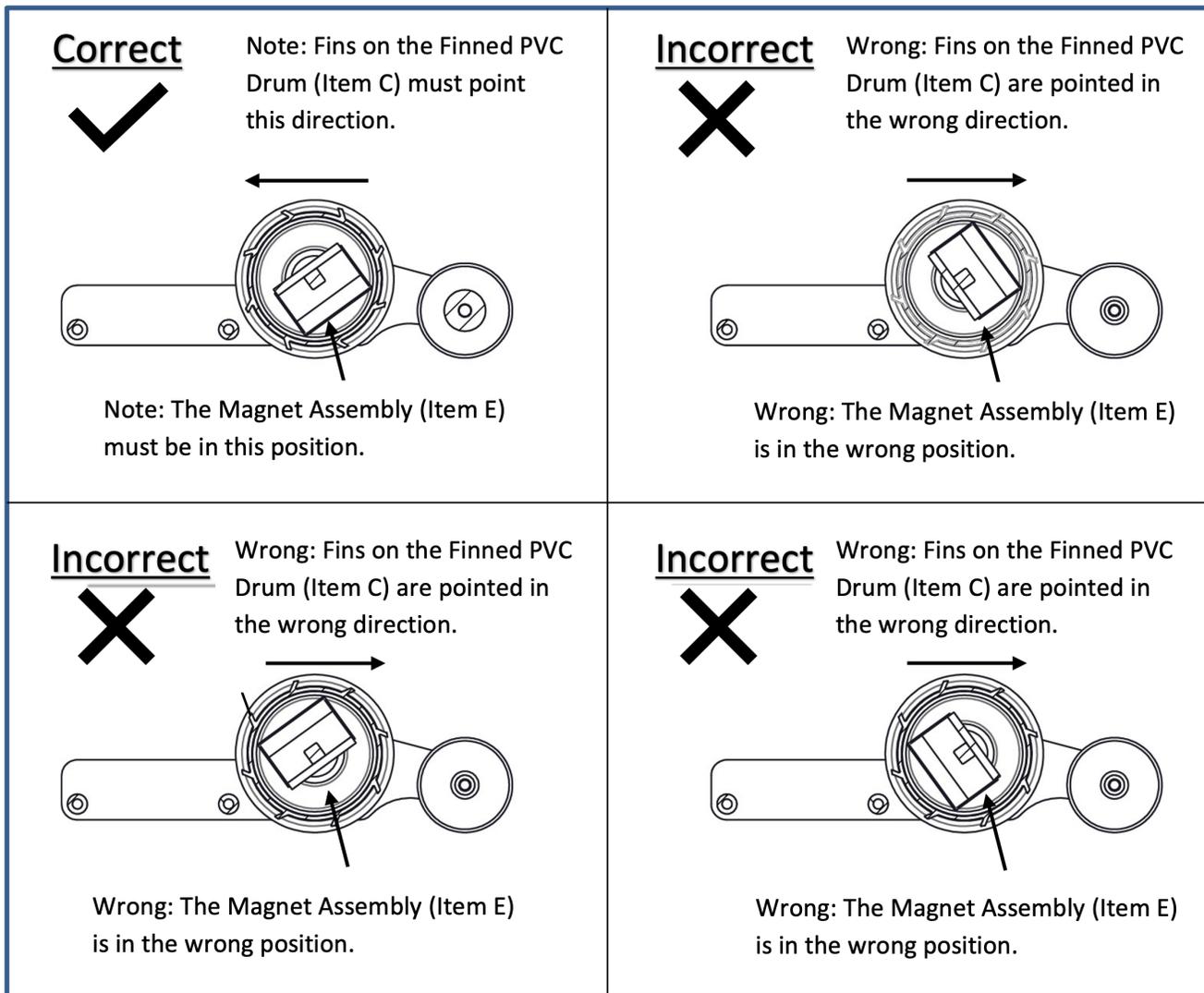
1. Attach Drum Assembly and End Plates

- Place the square hole in the end plate (Item E) over the square axle shaft of the magnet assembly (Item D).
- Attach using a 5/16" x 1/2" Hex bolt (Item N) and a 5/16" Washer (Item R). Repeat for opposite side.

Note: Use the Diagram on the next page as a guide to ensure the magnet assembly (Item D) is in the correct position and the finned PVC drum (Item C) is pointing the correct direction. If the finned PVC drum (Item C) is backwards or the magnet assembly (Item D) is not in the proper position, this magnetic sweeper will not function.

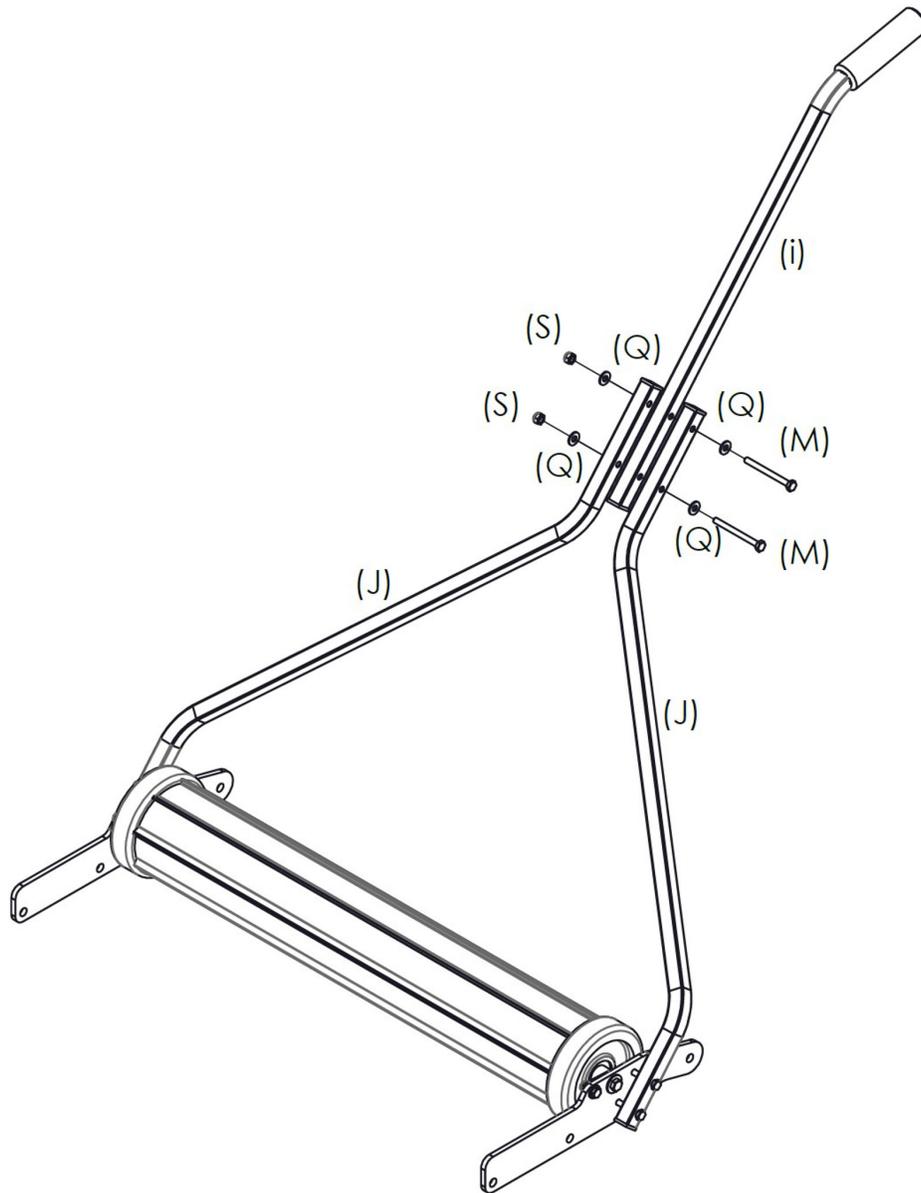
Step 4b

MAGNET ASSEMBLY AND FINNED PVC DRUM POSITION DIAGRAM



Step 5

ATTACH UPPER Y-HANDLE TO LOWER Y-HANDLE ARMS



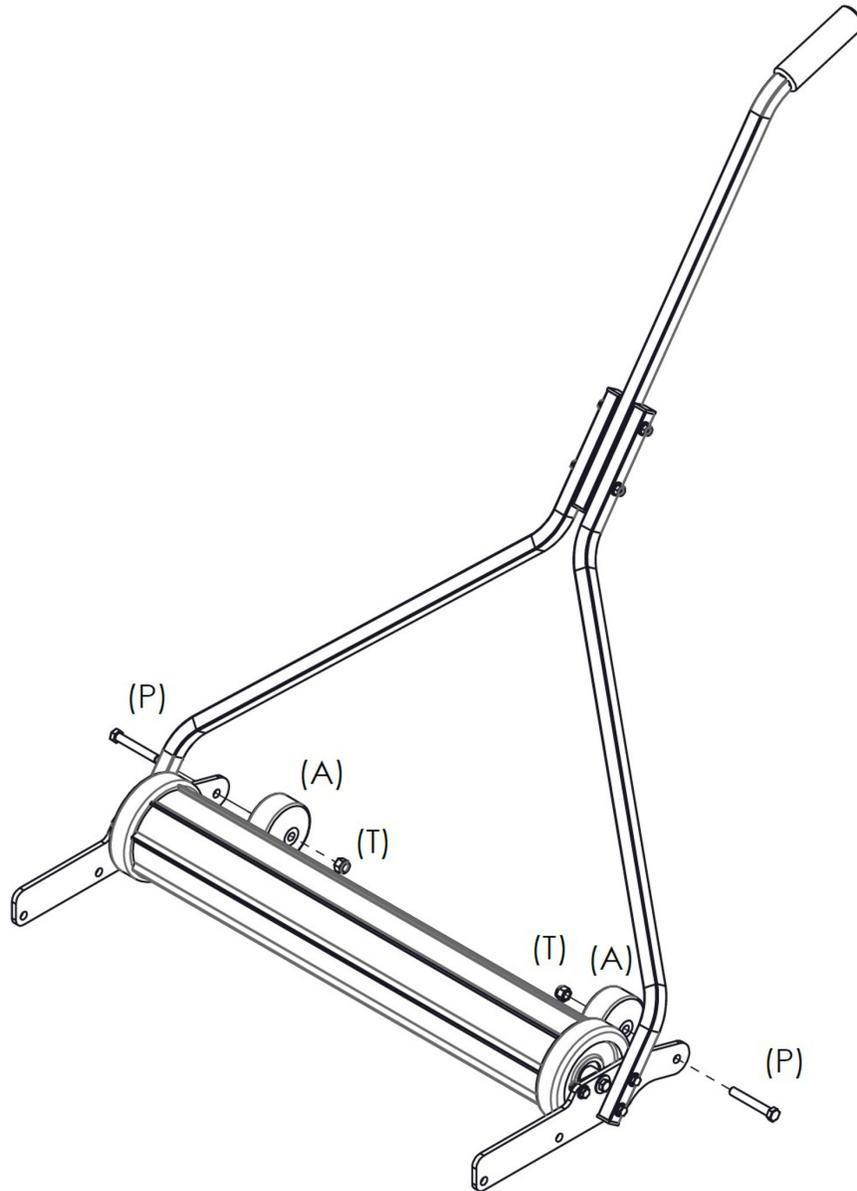
1. Attach Upper Y-Handle to Lower Y-Handle Arms

- Attach upper Y-handle (Item i) to lower Y-handle arms (J) using 2 pcs 1/4" x 2 3/4" Hex Bolt (Item M), 4 pcs 1/4" Washers (Item Q), and 2 pcs 1/4" Nyloc Nuts (Item S).

Note: Do not tighten these bolts until after step 7

Step 6

ATTACH 3" WHEELS TO END PLATES



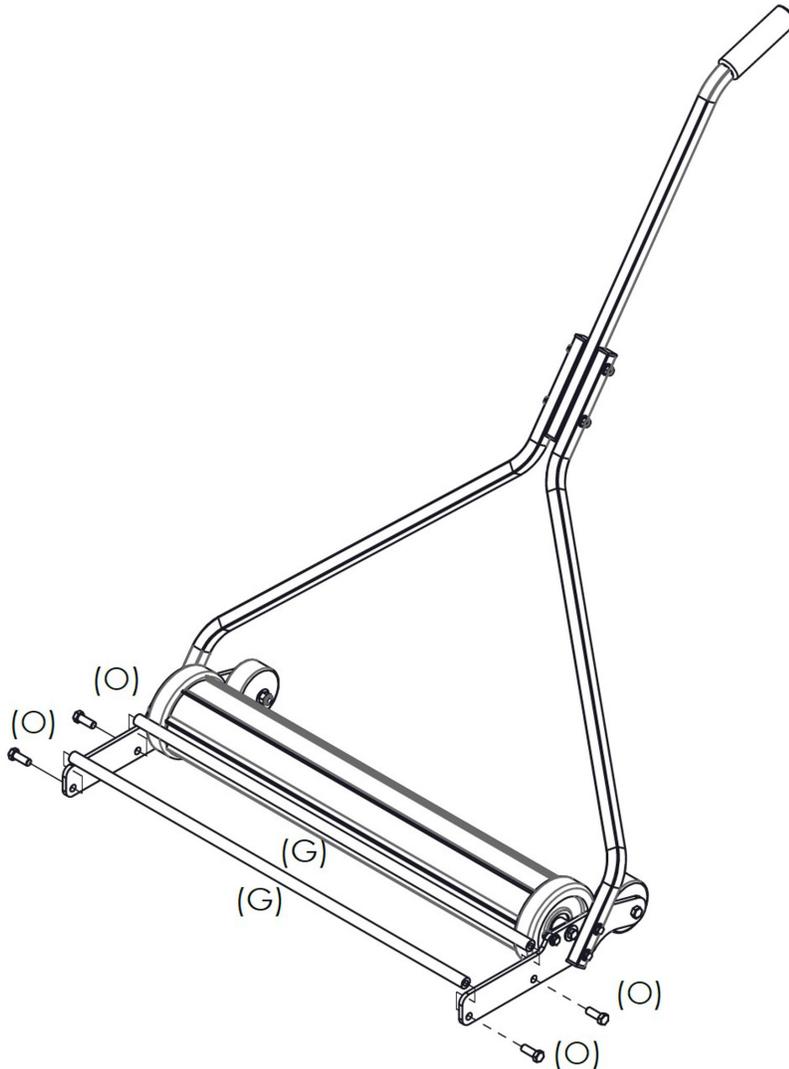
1. Attach 3" Wheels to End Plates

- Insert 2 pcs 3/8" x 2 1/2" Hex Bolt (Item P) thru end plate, thru 3" wheels (Item A) and fasten with 3/8" Nyloc Nuts (Item T).

Note: Tighten bolts firmly using 2 pcs of 9/16" wrenches.

Step 7

ATTACH TRAY SUPPORT RODS TO END PLATES



1. Attach Tray Support Rods to End Plates

- Attach the tray support rods (Item G) to the end plates using 4 pcs 3/8" x 3/4" Hex Bolts (Item O).

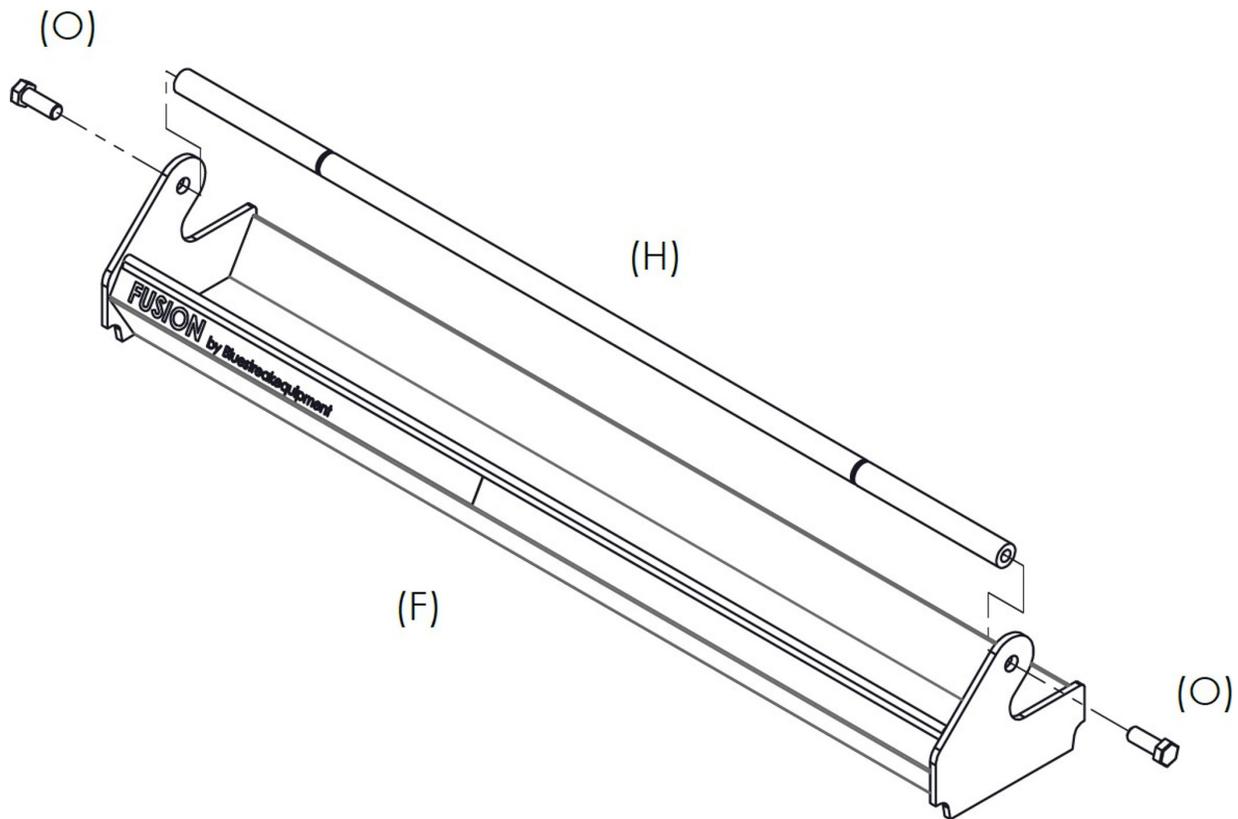
Note: Firmly tighten all 1/4" bolts in previous steps using 7/16" wrenches (8 fasteners in total).

Note: Firmly tighten all 5/16" bolts in previous steps using 1/2" wrenches (2 fasteners in total).

Note: Firmly tighten all 3/8" bolts in previous steps using 9/16" wrenches (4 fasteners in total).

Step 8

DEBRIS TRAY ASSEMBLY



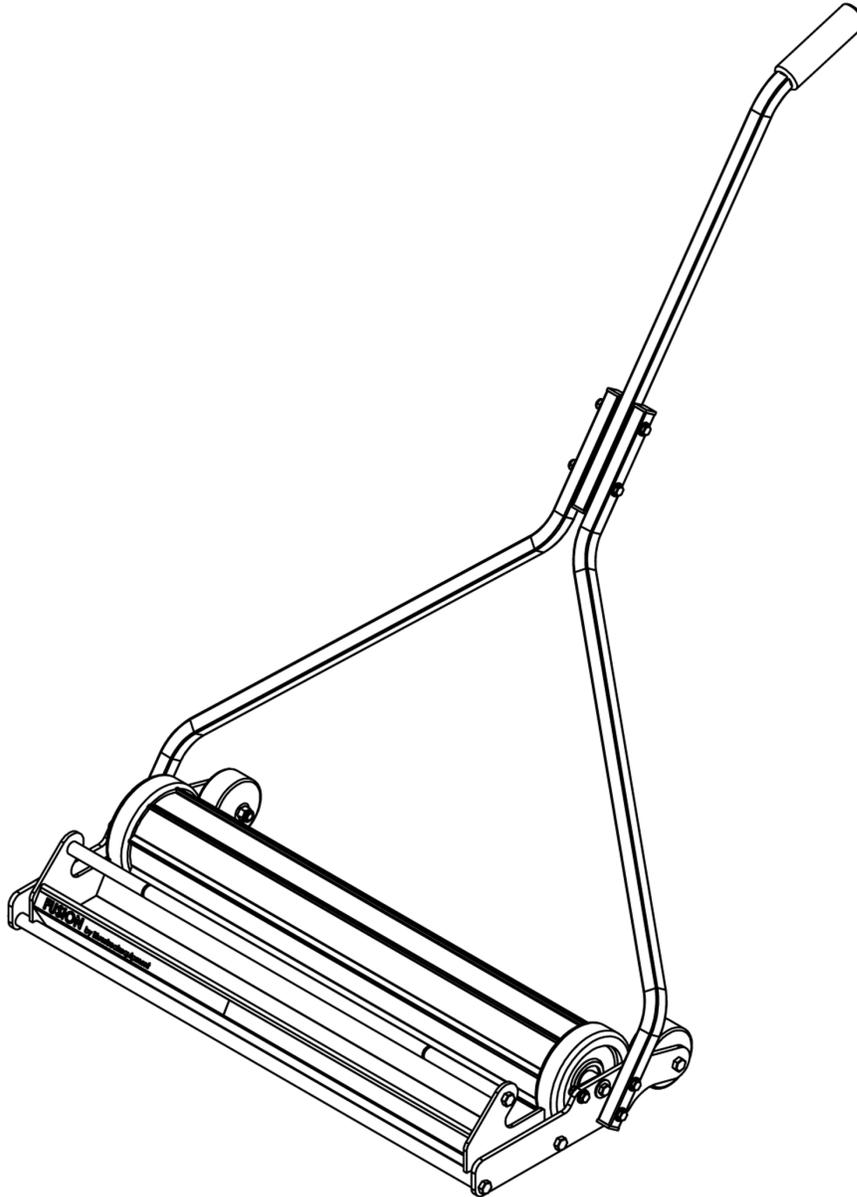
1. Debris Tray Assembly

- Attach the debris tray handle (Item H) to the debris tray (Item F) using 2 pcs 3/8" x 3/4" Hex Bolts (Item O)

Note: Tighten bolts firmly.

Step 9

SET DEBRIS TRAY ASSEMBLY IN PLACE



1. Set Debris Tray Assembly in Place

- Set the debris tray assembly in the front of the magnetic sweeper on top of the tray support rods.

Note: The two grooves on the tray handle indicate the location with strongest pick-up power. In order to align with the peak of the magnetic field correctly, please center the Debris Tray within the width of the sweeper.

Bluestreak Equipment • 1645 Hwy #3, Delhi, Ontario, Canada N4B 2W6

www.blustreakequipment.com