ARCTIC®
Snow & Ice Products

SECTIONAL SNO-PUSHER™

MAINTENANCE & REPAIR

READYING THE PUSHER FOR THE SEASON

Check and replace any broken springs, worn cutting edges, polyblocks with tears, cracks or missing chunks, and any frozen or missing connectors. Be sure to have replacement cutting edges and polyblocks on hand in the event of accidents or operator abuse.

Check all fasteners to make sure nothing is loose including those attached to the angle iron ***(HD models)*** on the slip hitch mounts.

Determine whether cutting edges should be replaced by checking the backside of edges, not front, to ensure that nothing is wearing into the mounting plate of the trip edge. If the height of blade showing is 1.5 inches or less, the blade should replaced as soon as possible to ensure maximum performance from the pusher as well as to prevent more serious damage to the pusher.

CLEANING, STORING & MAINTAINING THE PUSHER IN THE OFFSEASON

HIGHLY RECOMMENDED: Replace parts at the end of the season rather than at the beginning of a new season as parts demand is especially high at the beginning of a new season.

Replace broken springs, cut or partially cracked or torn polyblocks, cutting edges with less than 1.5" of remaining wear, worn or rusted fasteners, and any other parts that are hindering the normal operation of the pusher. Clean and dry all surfaces. With a penetrating oil such as Fluid Film™ or WD-40™, spray down all cutting edges, springs, and any sliding or actuating points on the side panel.

Finally, be sure to order emergency replacement parts for the next year. It is recommended that you have on hand a minimum of two spare polyblocks for each pusher in your fleet in case of an accident or operator error.

REPLACING CUTTING EDGES

REQUIRED TOOLS

- Impact wrench *(Highly Recommended)*
- Standard 15/16" Impact Swivel Socket *(Regular or Deepwell)*

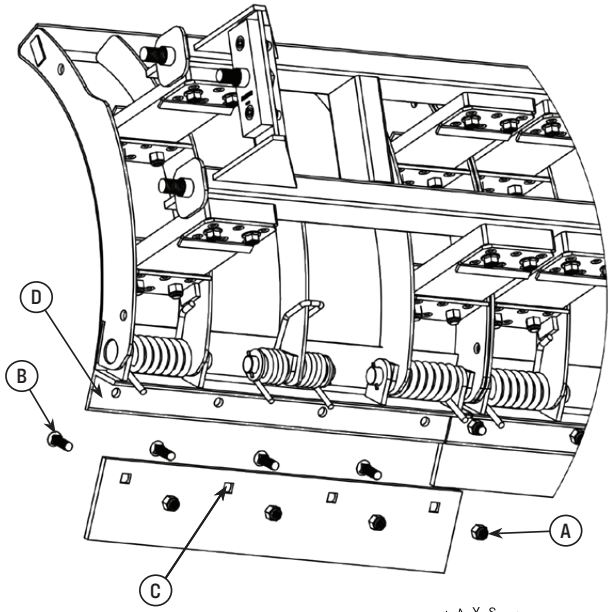
1. Remove nuts ***(A)*** and bolts ***(B)*** to detach old cutting edge. Frozen nuts may be removed with torch if necessary.

> **Note:** We recommend replacing all fasteners. Use 5/8-11 plow bolt with nylon lock nut.

2. Place bolts into recessed holes ***(C)*** on the new cutting edge, then through trip edge mount ***(D)*** and start nylon lock nut. Be sure to hold the bolts flush against the cutting edge when tightening nut on back side until secure.

> **Note:** Top of bolt must be completely flush against the face of the cutting blade.

Depending on buyer preferences, a variety of specialized and extreme duty cutting edges are available. Contact your dealer or Arctic sales representative in your area for more information.



ALWAYS USE
ARCTIC SNOW & ICE PRODUCTS
GENUINE OEM PARTS

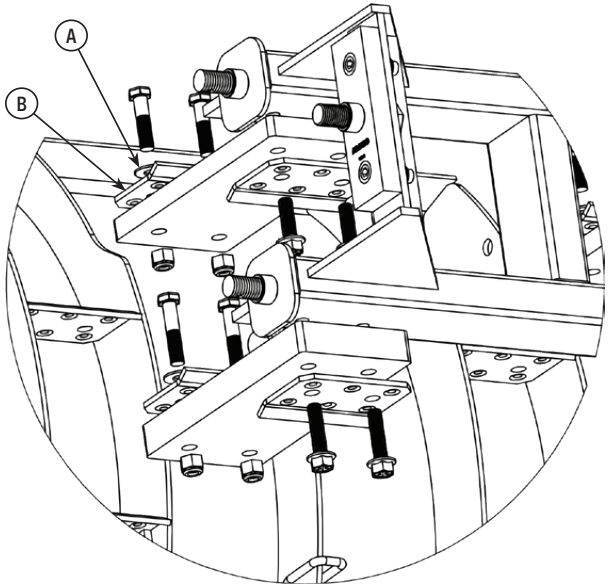
REPLACING POLYBLOCKS

REQUIRED TOOLS

- Impact wrench *(Highly Recommended)*
- Standard 15/16" Impact Swivel Socket *(Regular or Deepwell)*

1. Remove nuts and bolts to free the polyblock being replaced.
2. Attach the new polyblock to moldboard first using hex bolt, flat washer ***(A)*** and poly block washer ***(B)***, just starting the nuts to hold in place (do not fully tighten)
3. Secure opposite end of the polyblock on mainframe using flange bolts and poly block washer, then tighten down all fasteners with 100 ft lbs. (lbf-ft) torque.

Note: The top and bottom polyblocks differ in thickness. Make sure the thinner polyblock goes on the top and the thicker one on the bottom.



Depending on user preferences and operator training, moldboard limiters and heavier duty polyblocks are available for LD and HD series Sectional pushers. See your dealer or contact the Arctic Sales representative in your area for more information.

Please report any Arctic dealer that is selling or suggesting the use of aftermarket parts.

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SPECIAL NOTE REGARDING CHANGES IN BOTTOM POLYBLOCKS

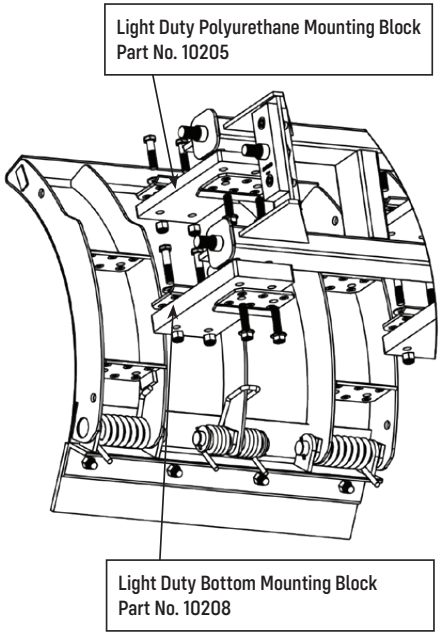
Although the poly blocks have significant longevity, they do wear over time and can prematurely break under extreme conditions or misuse. The blocks that receive the most pressure/abuse, and therefore tend to break more often, are those on the bottom row.

FOR LD MODEL PUSHERS

The 10205 (1" thick) Light Duty Polyurethane Mounting Block is the standard polyblock for Light Duty pushers. Up until 2015, it was standard on both top and bottom polyblock rows. However, in late 2015 all LD pushers over 8' long were fitted with thicker blocks **on the bottom row only**, to provide better durability and longevity. These new 10208 (1.5" thick) LD Bottom Mounting Blocks are simply a thicker version of the standard 1" blocks.

If you have an older model pusher (prior to 2015), you may retrofit the larger blocks using the same hardware and fittings you already have, without the need for longer bolts. Remember, they may only be used on the bottom row. The top row must still use the standard 1" thick blocks. Of course, any serviceable standard (1" thick) blocks taken off the bottom row may be set aside for replacement of any blocks on the top row that wear or break in the future.

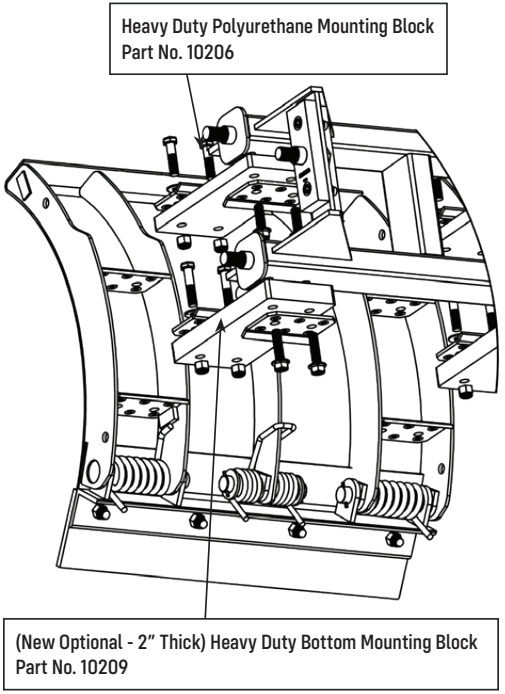
The CD (Compact Duty) pushers, as well as the LD 8' pusher, still use the standard 10205 LD poly blocks on both the top and bottom rows.



FOR HD MODEL PUSHERS

The 10206 Heavy Duty Polyurethane Mounting Block is the standard poly block for Heavy Duty pushers. This standard block is 1.5" thick and is currently standard on both the top and bottom poly block rows for all HD pushers. However, although the 10206 (1.5" thick) blocks will remain standard on all 2019 production HD Sectional pushers & plows this year, as of late September 2018, thicker (2") HD Bottom Poly Blocks - 10209 are now available as an optional-upgrade part for retrofit on the bottom row of Poly Blocks on HD pushers and plows. The new 10209 Heavy Duty Bottom Mounting Blocks are simply a thicker version of the standard 1.5" HD blocks and provide better durability and longevity. However, these thicker blocks are only designed to be used on the bottom row and only on Heavy Duty pushers, as shown in the illustration to the right.

No different hardware or fittings are required to install the thicker blocks in place of the standard blocks. But again, they would only be installed on the bottom row, and you would need to replace the whole row if you are switching over. Those serviceable standard blocks taken off the bottom row, can then be set aside for replacement of any on the top row that wear or break in the future.



REPLACING WEAR SHOES

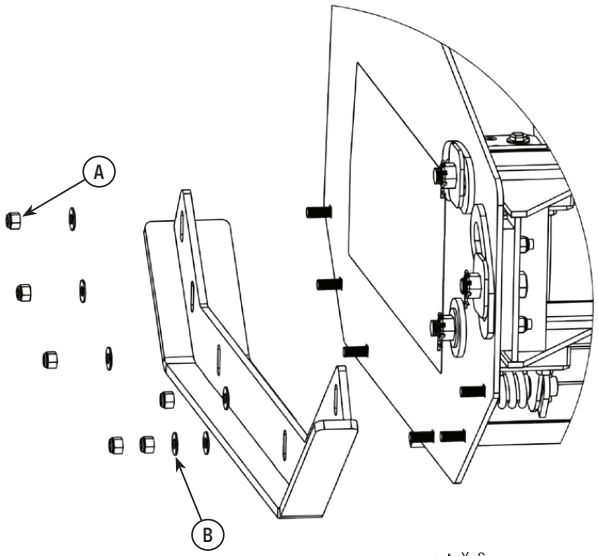
REQUIRED TOOLS

- Impact wrench *(Highly Recommended)*
- Standard 15/16" Impact Swivel Socket *(Regular or Deepwell)*

Note: Wear shoe must be in a hanging position off the ground in order to proceed. Fasteners need not be replaced unless thread condition warrants it.

1. If pusher is on a machine, elevate a few inches to take pressure off mounting points. If pusher is on the ground, jacks placed under the frame will be necessary to elevate the pusher a few inches off the ground to take all weight off of the shoe.
2. Remove all nuts ***(A)*** and washers ***(B)*** which attach the shoe to the side panel. **(6 on CD and LD models, 7 on HD models)**
3. Remove old wear shoe.
4. Replace with new wear shoe and tighten fasteners with 100 ft lbs. (lbf-ft) torque.

Note: If replacing bolts, use 5/8-11 x 2 carriage bolts, Grade 8, zinc plated.



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REPLACING TRIP EDGE SPRINGS

REQUIRED TOOLS

- Call manufacturer for instructions

WARNING:
POTENTIALLY DANGEROUS ACTIVITY

These are high torsion springs and any attempt to replace them can easily lead to injury. Call Manufacturer for any questions. This is to be performed by a qualified mechanic only.