

MID-SIZE REVERSIBLE SNOW PLOW

SNOWFOE III™

Henderson

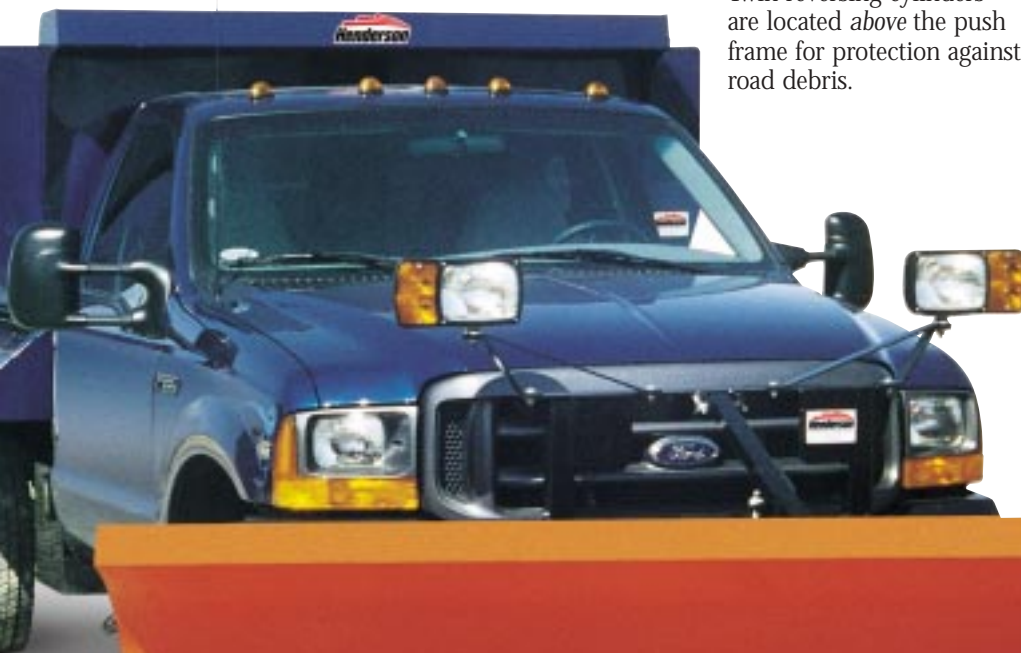
Heavy-duty muscle for mid-range trucks

Designed to work in close partnership with the new mid-range trucks (or full-size trucks in "low-snow" areas), Henderson's SNOWFOE III carries all of the rugged characteristics of its big brother...the one that's aggressively clearing the roads under the toughest conditions imaginable. The SNOWFOE III reversible plow is the perfect mate for the new mid-range trucks that are being put to work on parkways, parking lots, ramps and on roads where the "monsters" are overkill.

The unique rolled moldboard (steel or polymer) moves snow to the side effortlessly for a cleaner surface with less wear on the vehicle. It is virtually self-cleaning to reduce back-up and drifting for improved driver visibility.

What's more, the SNOWFOE III is priced to fit the mid-range truck, too. Competitively. All in all, it's the ideal marriage of two great ideas...the mid-range truck and the mid-range snow plow. And of course, it's *The Dependable Ones* expect from...

- Eight 3/8" x 3" edge-rolled ribs for extra strength and rigidity.
- Moldboard curvature improves cleaning capabilities and minimizes "drift."
- The plow, supported by Henderson's hitch design, remains level to the road.
- One-piece moldboard is rolled instead of break-formed for a smooth, clean surface with better material flow.
- Two compression springs have six easily adjustable positions for variable control of the trip force. **OPTIONAL**
- Extended push bar provides greater stability.
- Five moldboard-to-frame pivot points distribute push force more evenly throughout the entire plow.
- 1-1/4" bushings are welded through ribs to provide greater pivot pin bearing surface and enhanced durability.
- Twin reversing cylinders are located above the push frame for protection against road debris.
- Three-position attack angle adjustment (5°, 10°, 20° approx.) to meet snow and ice removal conditions.
- Moldboard height measures from the road surface to inside of arc – not top of ribs as with some manufacturers.
- Twin 2-1/2" x 6" nitrified hydraulic cylinders are double-acting for heavy duty power reversing.
- One-piece 1/2" x 6" cutting edge gives extended wear and is bolted for easy replacement.
- Trip-spring anchor plates are encased and continuous-welded to the push frame for greater strength.
- All parts are continuous-welded to last longer and present fewer maintenance problems.
- Moldboard is primed with a high-quality catalyzed primer and then finished with Highway Orange enamel paint. Pushframe assembly and hitch components are powder coat painted black.



The roll-formed moldboard features 10-gauge steel with roll-formed ribs continuous-welded for optimum strength and rigidity. An **OPTIONAL** 3/8" UHMV polymer moldboard with non-stick surface is also available. It is solid clear-through orange with black powder coat frame members.



FEATURES & SPECIFICATIONS

TWO MAJOR TYPES OF TRIP DESIGNS TO MEET YOUR PLOWING CONDITIONS:

- 1) **FULL MOLDBOARD TRIP**
 - Twin Compression Springs
 - *Adjustable Twin Compression Spring Trip
- 2) **CUTTING EDGE TRIP**
 - Adjustable one-piece torsion spring



ADJUSTABLE CUTTING EDGE TRIP FEATURES

- Three 3/4" Square Torsion Springs
- Zero insertion force for ease and SAFE spring replacement
- Each spring features individual three-position trip tension adjustment, wrench included
- Cutting edge trip design allows for "smoother" trip action and minimizes shock to the truck chassis and driver



***ADJUSTABLE TRIP TENSION**
Six-position compression spring settings are easily adjustable. The Henderson exclusive provides variable control of the trip force for all snow and ice conditions. Can be adjusted to the conditions and saves wear and tear. **OPTIONAL**



HYDRAULICS

Twin reversing cylinders are located above the push frame for protection against damage from road debris.



PUMP

The OPTIONAL hydraulic power system is an integrated unit containing a 12VDC electric motor, hydraulic pump, reservoir, and control valves. Control valves are located inside the reservoir. The unit mounts vertically on the hitch uprights. 12VDC power is supplied from the truck via a cable with a disconnect for hitch removal. The power unit provides hydraulic power for plow u-down and plow reversing. The control box is located in the truck cab and disconnects at the hitch when the plow is removed.

SPECIFICATIONS

CUTTING PATH

Cutting path at 35° for 9' length is 7'4"
Cutting path at 35° for 10' length is 8'2"
Cutting path at 35° for 11' length is 9'0"
Cutting path at 35° for 12' length is 9'10"

MOLDBOARD

- "Level lift" design allows the plow to remain level with road in any position when using Henderson Hitch
- 10GA Grade 50 rolled moldboard with 3/8" X 3" rolled ribs
- Continuous welded one-piece moldboard
- Reinforced 3.5" X 3.5" X 1/2" bottom angle
- 2" X 3" X 1/4" top angle with holes to allow moisture to escape
- Two horizontal braces for added rigidity
- Attack angle is adjustable to 5°, 10° and 20°
- 1/2" X 6" one-piece cutting edge with AASHO punching is standard

PUSH FRAME

- Push frame width is 82"
- Semi-circle is 3" x 2" x .38" angle welded to 3"x 3" x 3/8" structural tube
- Five moldboard-to-push frame pivot points with 1-1/4" bushings pin to two 1/2" mounting ears (Four pivot points on adjustable cutting edge trip)

OPTIONS

Integral Shield Moldboard • 3/16" Moldboard • 3/8" WHMV Polymer Moldboard • 304 Stainless Steel Moldboard Sheet • Curb Bumper (1/2 Moon) • Wraparound Curb Guard • Deflector • Sight Markets • Carbide Blades • Rubber Blades • Electric Power Unit • Plow Light Kit • Cushion valve • Various other hitches offered for full-size trucks • Rectangular Wear Shoes, Carbide Shoes, Mushroom Shoes, 8" and 10" Caster Wheels, Pneumatic Wheels, Moldboard Shoes



P.O. Box 40 · Manchester, Iowa 52057
800-359-4970 · www.henderson-mfg.com

©2008 Henderson Mfg. Litho in USA · Henderson Mfg. reserves the right in Pursuit of continuous product improvement to change specifications used herein.