

BETTER BY DESIGN.

INNOVATIVE HEAT & SOUND
CONTROL SOLUTIONS



POWERSPORTS
DESIGNENGINEERING.COM

BILLY SLADE
- DEI AMBASSADOR
@bs247365

Heat Shield Liners

Heat from the exhaust can get uncomfortable—especially in slow traffic or for riders with shorter legs. DEI's Heat Shield Liner Kit solves the problem without changing your bike's clean, custom look. Each precision-cut liner fits between the exhaust pipe and outer shield, blocking heat transfer and lowering surface temperatures by over 60%. Built with a dual-layer of aluminum and our proprietary Dura 2000™ insulation, these easy-to-install liners require no permanent modifications and keep every ride cooler and more comfortable.

Features:

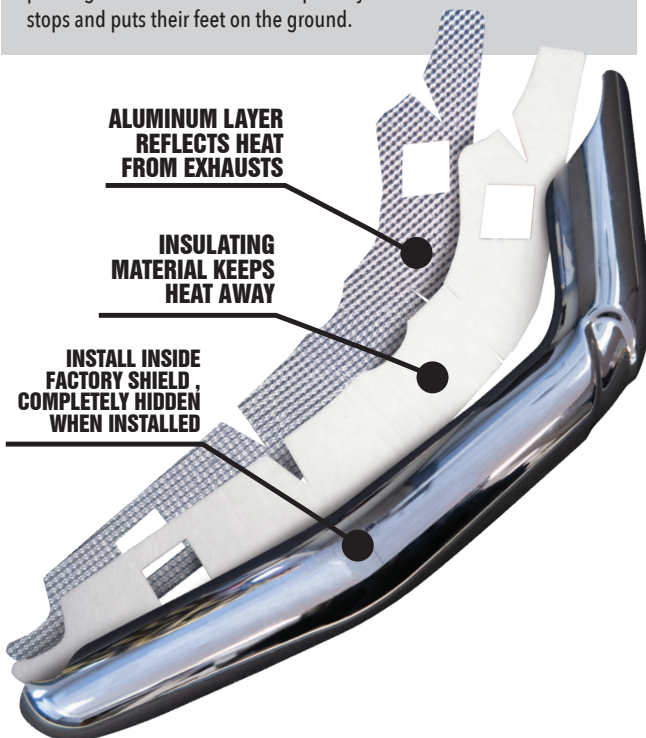
Available for stock and popular aftermarket headpipes
CNC cut for a perfect fit • Completely hidden when installed

Advantages:

Durable long-lasting materials • Simple installation • No smoke or odor

Benefits:

Reduces heat radiating from the exhaust system giving the rider and passenger a cooler ride. This is especially noticeable when the rider stops and puts their feet on the ground.



Universal Heat Shield Liner Kit

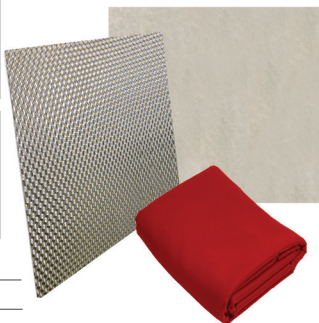
Our Universal Heat Shield Liner Kit includes all the right materials to create your own custom heat shield liner.

SMALL KIT INCLUDES:

21" x 24" sheet of Dimpled Aluminum
18" x 25.5" sheet of Insulation,
18" x 60" sheet of template making felt

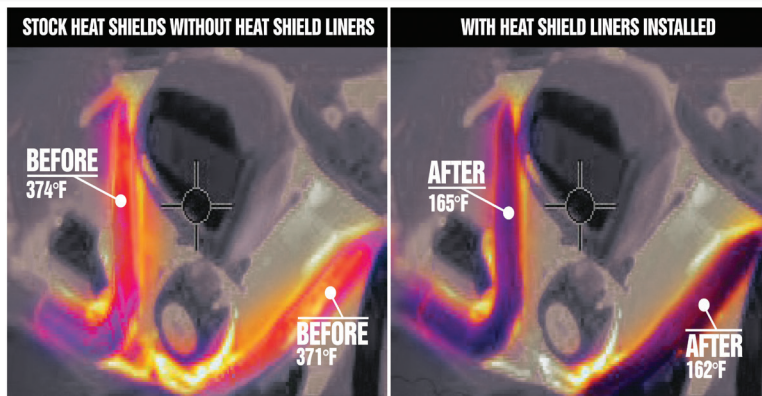
LARGE KIT INCLUDES:

21" x 48" sheet of Dimpled Aluminum
18" x 51" sheet of Insulation,
18" x 72" sheet of template making felt



Part # Description

901067	Small Universal Cut To Fit Kit
901053	Large Universal Cut To Fit Kit



Part #	Motorcycle	Years	Headpipe	Model
901065	HD - Pan America	2021-2025	Stock	
901045	HD - Touring (Inc. Tri Glide)	2017-2025	Stock	
901052	HD - Touring	2017-2025	D&D Billet Cat 2-1	
901046	HD - Touring (Inc. Tri Glide)	2017-2025	Vance & Hines Power Duals	
901063	HD - Touring (Inc. Tri Glide)	2017-2025	Khrome Werks Dominator 2-1-2	
901064	HD - Touring	2017-2025	Bassani Road Rage II & III	
901078	HD - Touring	2017-2025	S&S Cycle Diamondback 2-1	
901084	HD Touring	2017-2025	KhromeWerks Outlaw 2-1	
901085	HD Touring	2017-2025	Rinehart Dual Slim	
901081	HD Touring	2017-2025	S&S Sidewinder 2-1	
901089	HD Touring	2017-2025	Vance & Hines Pro Pipe	
901025	HD - Touring (Inc. Tri Glide)	2009-2016	Stock	
901033	HD - Touring (Inc. Tri Glide)	2009-2016	Rinehart Slim Line Duals	
901027	HD - Touring (Inc. Tri Glide)	2009-2016	S&S Cycle Power Tune Duals	
901026	HD - Touring (Inc. Tri Glide)	2009-2016	Vance & Hines Power Duals	
901047	HD - Touring (Inc. Tri Glide)	2009-2016	Vance & Hines Dresser Duals	
901074	HD - Touring	2009-2016	Bassani Road Rage II & III	
901073	HD - Touring	2009-2016	D&D Boarzilla	
901083	HD Touring	2009-2016	KhromeWerks Outlaw	
901080	HD Touring	2009-2016	Vance & Hines Pro Pipe	
901070	HD - Touring	1999-2008	Stock	
901082	HD	2018-2024	FLHCS Heritage	
901072	HD - FXBB, FXLR, FXFB, FXSL, FXLRS, FXFBS, FXST	2018-2023	Bassani Road Rage II & III	
901079	HD - Fat Bob	2018-2022	FXFB	
901049	HD - FXST, FLST	2012-2017	Vance & Hines Softail Duals	
901051	HD - FXST, FLST	1986-2011	Vance & Hines Short Shots	
901086	HD Sportster S 1250	2021-2025	Stock	
901077	HD - Nightster	2022-2025	Stock	
901055	HD XL	2014-2022	Stock	
901088	Triumph Rocket 3	2020-2025	All Models	
901068	Triumph - Scrambler 1200	2022-2025	Stock	
901054	Triumph - Scrambler 1200	2019-2021	Stock	
901071	Triumph - Scrambler 900	2017-2025	Stock	
901062	Indian Challenger & Pursuit	2020-2025	Stock	
901058	Indian Chieftain Roadmaster Springfield	2021-2025	Stock	
901059	Indian Chief Chieftain Roadmaster Springfield	2014-2020	Stock	
901060	Indian Scout 1200 & 60	2020-2024	Stock	
901087	Indian Scout	2025	All models	
901069	Indian Chief	2022-2025	Stock	
901076	Big Dog	2005-2025	Vance & Hines 2-2 & 300MM	



Keep Your Cool with the DEI Seat Shade

Tired of sitting on a scorching hot motorcycle seat? The DEI Seat Shade protects your seat from the sun, keeping it cool and comfortable no matter how long you're parked. It installs in under 30 seconds—even on a hot bike—and folds down small into the included storage bag. Made from UV-stable material and ready to repel water with optional treatment. Compact, convenient, and road-ready.

SHADE ON-DEMAND WITH SEAT SHADE™

BLOCKS SUN. KEEPS SEATS COOL. PACKS SMALL. INSTALLS FAST.

- Easy ON/OFF in seconds
- Folds small - stores in included storage bag
- Made for larger touring bikes with or without trunk
- Protects expensive seats from sun damage
- UV-resistant coating - Won't fade over time
- Includes 5 hooks and 2 extension straps to let Seat Shade fit any configuration of motorcycle seat, saddle bag or trunk combination
- Woven twill stretch fabric with aluminum coating and soft inner liner to protect paint from scratches and marring.



SOFT STRETCHABLE STRAPS FOR SECURE INSTALL WITHOUT SCRATCHING OR MARRING PAINT

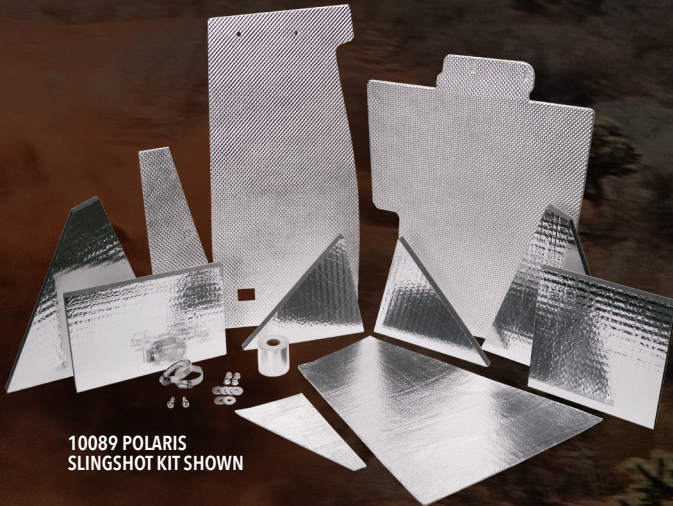


- **WHAT'S INCLUDED:**
- SEAT SHADE • STORAGE BAG
- 5 HOOKS • 2 EXTENSION STRAPS

Part #	Description
902328	Seat Shade

CONQUER THE TRAILS, THE HEAT & THE NOISE!

ATV / UTV / SXS HEAT & SOUND CONTROL KITS



10089 POLARIS
SLINGSHOT KIT SHOWN

DESIGNED TO PERFORM!

DEI's SXS & UTV Kits are built with the highest quality heat and sound control materials, precision cut for a perfect fit and easy installation. Each kit is engineered for specific models and their unique heat and noise challenges—not a one-size-fits-all solution. Using a proven combination of Floor & Tunnel Shield, Heat Screen, Reflect-A-Cool, Exhaust Wrap, and other materials, these kits deliver cooler, quieter cabins by blocking engine and exhaust heat while reducing noise and vibration. The result is a more comfortable interior that keeps you riding longer and enjoying every mile on the trail.

HONDA MODELS

Part #	Description	KIT
902482	2015-2021 PIONEER 1000-5 & 1000-3	Front Seat & Rear Footwell Heat Control Kit
902409	2022-2025 PIONEER 1000-6, 1000-5 & 1000-3	Under Seat Heat Control Kit
902110	2015-2025 PIONEER 700 & 700-4	Heat Control Kit
902111	2019-2025 TALON 1000 2 & 4 Seat	Heat Control Kit
902484	2015-2025 PIONEER 1000-5 & 1000-3	Auxiliary Fan Kit w/Digital Thermostat
902481	2015-2025 PIONEER 1000-5 & 1000-3	Auxiliary Fan Kit w/ Manual Switch

POLARIS MODELS

Part #	Description	KIT
902401	2014-2023 RZR XP 1000	Behind Seat Heat Control Kit
902402	2014-2023 RZR XP 1000	Console Heat Control Kit
902403	2014-2023 RZR XP 1000	Combo Console Kit & Behind Seat Kit
902401	2014-2023 RZR XP 4 1000	Behind Seat Heat Control Kit
902406	2014-2023 RZR XP 4 1000	Console Heat Control Kit
902407	2014-2023 RZR XP 4 1000	Combo Console Kit & Behind Seat Kit
902485	2008-2014 RZR 800	Cargo Heat Shield
902470	2008-2014 RZR 800	Engine Heat Shield
902408	2019-2023 RZR Trail 900-1000	Heat Control Kit
902471	2015-2019 Slingshot	Complete Heat Control Kit
902472	2015-2019 Slingshot	Main Heat Shield
902473	2015-2019 Slingshot	Rocker Panel Cover
902469	2020-2025 Slingshot	Trans Tunnel & Passenger Floor Kit

CAN-AM MODELS

Part #	Description	KIT
902490	2011-2018 COMMANDER	Heat Control Kit
901061	2016-2021 COMMANDER MAX	Heat Control Kit
902491	2014-2018 MAVERICK 2-Seater	Heat Control Kit
902404	2017-2023 MAVERICK X3	Heat Control Kit

ARCTIC CAT

Part #	Description	KIT
902405	2012-2024 WILDCAT XX	Heat Control Kit

KAWASAKI

Part #	Description	KIT
901057	2014-2025 TERYX 2-SEAT MODELS	Heat Control Kit

POLARIS® XPEDITION™ SOUND CONTROL KIT

2024 & UP POLARIS XPEDITION ADV
NORTHSTAR 2-DOOR & 4-DOOR

The enclosed Xpedition ADV interiors are EXTREMELY noisy. The DEI Sound Control kit is designed to significantly reduce noise and vibration in the cabin, while providing heat reduction. This comprehensive kit features a clean OE-finished look made from durable materials. Trusted quality and performance from DEI, made in the USA.

- Xpedition interiors are known to be EXTREMELY noisy! This kit reduces noise and vibrations for comfortable ride.
- Improves acoustics and provides a factory-quality finish to unfinished interiors.
- Allows riders to have a longer more comfortable ride and have conversations at a normal audio level

KEY FEATURES

CABIN ROOF:

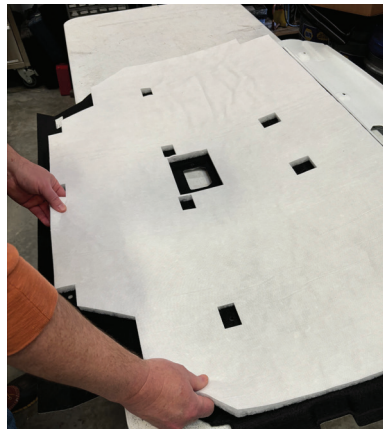
DEI D-Mat is a hi-tech, light-weight insulation, CNC cut to fit perfectly inside the front and rear headliners providing both sound deadening and thermal insulating properties to the entire roof.

TAIL GATE, CARGO SIDEWALLS, AND SEAT BASE

DEI Boom Mat Acoustic Material is CNC cut to fit perfectly in these areas. DEI Boom Mat Acoustic is 1.75mm thick butyl rubber with an attractive felt finished side for sound deadening and sound absorbing with a nice, finished look. CNC cut self-adhesive and easy to install.

CARGO FLOOR AND REAR FIREWALL

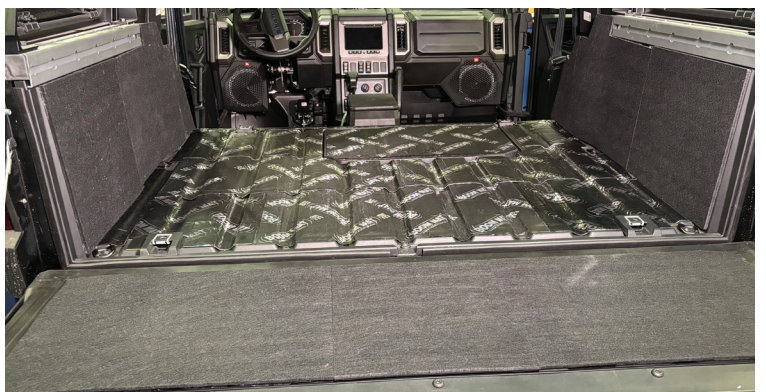
DEI Boom Mat is used under the stock cargo liner to provide wall to wall coverage of the floor and rear fire-wall area. DEI Boom Mat is 2mm thick butyl rubber with a finished aluminum face and a self-adhesive backing providing superior sound deadening properties. This material is "trim to fit" and easily installed.



ROOF INSULATION



SEAT BASE



TAILGATE, CARGO SIDEWALLS, & CARGO FLOOR SOUND CONTROL

SOUND TESTING RESULTS

**DEI KITS
REALLY
WORK!**

RPM	Stock	DEI KIT	dB Drop
Idle	70dB	58dB	-12dB
2,000	75dB	62dB	-13dB
3,000	78dB	64dB	-14dB
4,000	84dB	72dB	-12dB
5,000	89dB	74dB	-15dB
6,000	95dB	81dB	-14dB

Part #	Description
902411	2-Door Polaris Xpedition Sound Control Kit
902413	4-Door Polaris Xpedition Sound Control Kit

The tightest holding locking tie on the market!



LokJaw™ Stainless Steel Locking Ties

- Engineered for maximum grip and lasting tension in any application
- Unique spring-wave pattern flexes as you tighten, maintaining constant pressure
- Locks down securely to prevent loosening, slipping, or failure
- Ideal for high-heat, high-vibration environments
- Delivers a strong, permanent hold for a cleaner, more professional installation
- Constructed from high-grade 316 stainless steel

Part #	Description
10204	8" (9 pack; Fits 2" OD)
10206	14" (5 pack; Fits 4" OD)
10220	Locking Tie Tool

EZ Grip Tape™ Add grip to any handle or surface

- Self-fusing silicone – no adhesives, no mess
- Durable and weather-resistant: UV, oil, and chemical resistant
- Electrical insulation up to 8,000 volts
- Wrap tool handles for better control and comfort
- Improve grip on shifters, handle bars and grips
- Works in all conditions – Maintain grip in mud, water, rain and snow
- Create slip-resistant grips on workout gear, bike and scooter handles
- Durable - Built to withstand vibration, and harsh riding environments



Part #	Description
10497	White 1.3" wide x 5ft long
10499	Black 1.3" wide x 5ft long
10500	Orange 1.3" wide x 5ft long



Boom Mat Acoustic™ Sound Control with a Finished Look

Boom Mat Acoustic combines premium sound damping with a clean, professional finish. Its dense acoustic barrier and felt liner work together to absorb and block unwanted noise while enhancing interior appearance. Easy to cut and install, it's the perfect solution for doors, trunks, firewalls, and package tray – delivering professional results and a quieter, more refined ride.

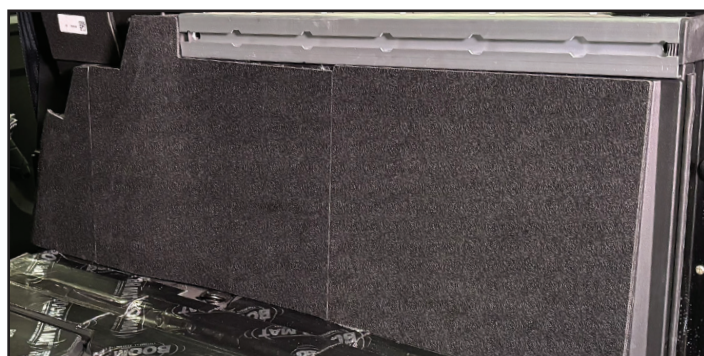
- Combines sound damping and style in one versatile material
- Dense acoustic barrier with felt liner absorbs and blocks unwanted noise
- Provides a clean, finished appearance—ideal for exposed interior panels
- Perfect for doors, trunks, firewalls, and headliner
- Easy to cut and install for professional results in any custom interior

Each Sheet - Measures 17x18 inches (2.125 sq. ft.)
Butyl Layer - 1.75mm thick, Felt Layer - 7mm thick.
Total weight per sheet is 1.6lbs

Part #	Description
50231	2 Pack (4.25 sq. ft.)
50232	4 Pack (8.5 sq. ft.)
50233	8 Pack (17 sq. ft.)



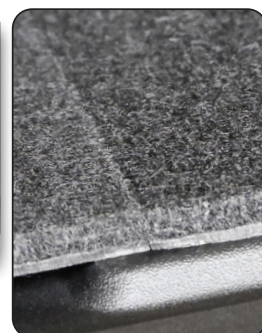
Easy-peel plastic release liner



7mm Exterior Felt Facing for a carpet-like finished surface

1.75mm butyl sound absorbing material

Quick-release Plastic Adhesive Liner





Jessica Capizzi of Get Fast Performance trusts DEI heat and sound control products to protect their bikes and boost performance—because when temps rise, champions stay cool.

Custom Heat Shields

Protect vital components from extreme heat with DEI Pipe Shields. Designed with high-tech materials and stand-offs to create an insulating air gap, they shield brake lines, hoses, wiring, fuel tanks, and more. Handles temps up to 1350°F while boosting comfort and reliability.

- Standoffs create cooling air barrier
- Protects trans & brake lines, hoses, electrical & more
- Great for motorcycle pipes to protect against burns
- Outperforms glass fiber & metal shields
- Flexible & easy to install



3.5"x 6.5" shape



4x8" shape

Part #	Description
902457	3.5" x 6.5" - Brushed / Onyx
902458	3.5" x 6.5" - Brushed / Titanium
902459	4" x 8" - Brushed / Onyx
902460	4" x 8" - Brushed / Titanium
902461	3.5" x 6.5" - Double Black / Onyx
902462	4" x 8" - Double Black / Onyx

*Fit up to 3" diameter Pipe

Flexible Heat Shields

Premium heat shields that look as good as they perform. ONYX features heat-treated black aluminum impregnated glass outer shell, while Titanium is crafted from pulverized lava rock. Both use high-temp silica fabric inside, stainless steel hardware, and tough stitched edges for lasting durability against extreme exhaust heat.



Part #	Description
902455	ONYX 4" x 8" Length
10450	TITANIUM 6" x 12" Length
10451	TITANIUM 6" x 24" Length
10452	TITANIUM 6" x 36" Length
10453	TITANIUM 4" x 8" Length
10454	TITANIUM 4" x 12" Length

*Fit up to 3" diameter Pipe

Universal Under Tank Heat Reflection Kits

Keep fuel stable and prevent vapor lock with DEI's reflective materials. Line the underside of your tank with self-adhesive Reflect-A-Cool™ for normal use or Reflect-A-GOLD™ for extreme heat. Easy to trim and install.

Kit Includes: one 24" x 24" sheet and a 1½" x 15' roll of reflective tape for seams and irregular shapes.



Part #	Description
902463	Reflect-A-Cool Kit
902464	Reflect-A-GOLD Kit

*Do not apply directly to exhaust components.

Wide Band Clamps

Our Wide Band series of clamps are the perfect choice if you are looking to enhance the look of DEI exhaust wrap on your vehicle or motorcycle. These clamps are extra wide to cover the end of the wrap and give a clean transition from wrap to pipe.



- Can be polished to a show finish
- Stainless Steel
- Great as an exhaust clamp
- Provides a clean transition from wrap to pipe.

Part #	Description
10214	2-3/8" (2.25" - 2.56" range)
10215	2" (1.88" - 2.19" range)

BUILT TO PERFORM IN EVERY ENVIRONMENT.



From motorcycles and SXS's to hot rods and houseboats, DEI's heat and sound control technology goes wherever performance, comfort, and protection matter.

For over 30 years, DEI has led the way in premium heat and sound control. Trusted by professional builders and racers worldwide, DEI's materials and expertise go far beyond the track.

Our advanced technology tackles real world heat and noise challenges in automotive, marine, industrial, commercial and residential environments - delivering the same proven performance, protection and reliability that built our reputation.

TRUSTED ON THE TRACK, PROVEN EVERYWHERE ELSE.



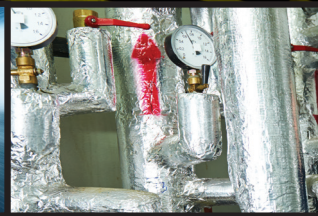
AUTOMOTIVE



RESIDENTIAL/COMMERCIAL



MARINE



INDUSTRIAL



604 Moore Rd. Avon Lake, Ohio 44012
800-264-9472
440-930-7940
sales@designengineering.com

FOR MORE INFORMATION AND OUR
COMPLETE PRODUCT LINE GO TO

DesignEngineering.com



Part # 10100127

©2026 Design Engineering, Inc.

All rights reserved. Text, images and graphics are protected by copyright and other commercial protective rights. All trademarks are protected by trademark law. This applies in particular to Design Engineering, Inc. brands, nameplates, company logos and emblems. The brands and design elements used on our pages are the intellectual property of Design Engineering, Inc., Avon Lake, Ohio. The intellectual property contained in this catalog such as patents, marks and copyrights, is protected.

HARLEY DAVIDSON®, TRIUMPH®, INDIAN®, POLARIS®, CAN-AM®, HONDA®, Xpedition™, RZR™, Slingshot™, Velcro™, Maverick™, KAWASAKI®, ARCTIC CAT®, Wildcat™, Teryx®, are trademarks™ or registered trademarks of their respective holders. Use of them does not imply any affiliation with or endorsement by them.