

INNOVATIVE
**HEAT &
SOUND
CONTROL**
SOLUTIONS



NEW PRODUCTS

NEW PRODUCTS

Vehicle Specific - Pre-Cut Interior Heat & Sound Control Kits

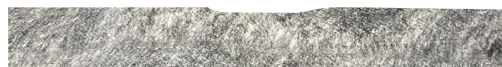
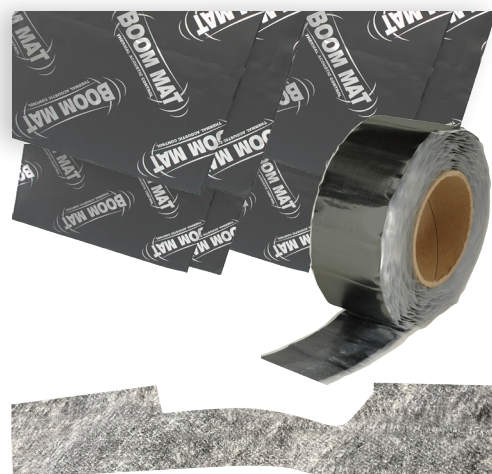
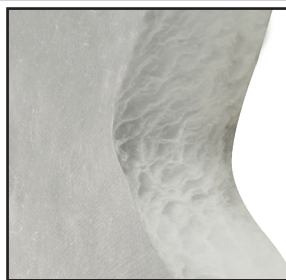
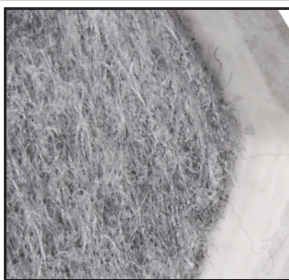
Design Engineering is leading the way with the most advanced thermal acoustic kits for vehicle specific applications. Using a combination of our new D-Mat ultra light weight insulation and sound absorber material, our proven Under Carpet Lite and 2mm damping material, we offer an effective and affordable solution to unwanted heat and noise, in easy to install... pre-cut... vehicle specific kits.

Each kit includes the correct material to cover specific interior areas including floors, firewalls, headliners, trunks and more. Designed using the right amount of material to control vibrations and eliminate undesirable noises such as tire, road and engine noise, all while blocking heat transferred from the engine bay and hot exhausts.

Fully illustrated instructions are included with each kit to show where each custom cut piece of material should be positioned for a simple no-guess work installation.

Advanced Materials

Damping Material	Under Carpet Lite™	D-Mat™ Layer
<ul style="list-style-type: none"> Eliminate unwanted engine & road noise Dampen vibrations Peel & stick 	<ul style="list-style-type: none"> For floors Light weight Superior heat & noise barrier 	<ul style="list-style-type: none"> For headliners Ultra light weight Superior heat barrier



Chevy C-10 Reg Cab 1967-1972

INDIVIDUAL PRE-CUT KITS

Part #	Description
50025	INSULATION KIT
50024	DAMPING KIT

Chevy (Square Body) Reg Cab 1973-1987

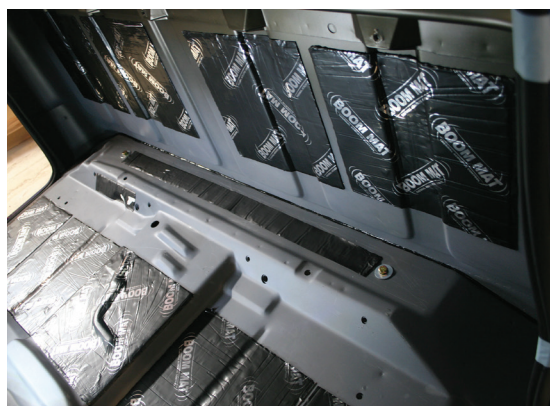
INDIVIDUAL PRE-CUT KITS

Part #	Description
50026	INSULATION KIT (HIGH HUMP)
50027	DAMPING KIT (HIGH HUMP)
50018	DAMPING KIT (LOW HUMP)
50019	INSULATION KIT (LOW HUMP)

Chevy (OBS) Ext Cab 1988-1998

INDIVIDUAL PRE-CUT KITS

Part #	Description
50023	INSULATION KIT
50022	DAMPING KIT
50299	ROOF INSULATION KIT
50300	ROOF DAMPING KIT



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NEW PRODUCTS

GEN-3 ONYX Black Turbo Shield THE MOST TECHNOLOGICALLY ADVANCED TURBO SHIELD!

We incorporated all our experience to build the absolute best turbo shield on the market. By developing advanced textiles and diving deep into what is needed to control turbo heat, we developed the GEN-3 ONYX Turbo Shield. A Silicone coated ONYX outer layer with multiple stainless steel and silica inner layers. Without a doubt the strongest, most heat resistant shield available.



OUTER SHELL

- DEI's ONYX material with LR technology coated in silicone to insulate and hold up under extreme conditions.
- Prevents fraying of material and encases seams to make them over 4 times stronger.



INSULATION LAYER

- Thick layer of silica insulation to keep heat in turbo shield and turbo housing.
- Silica has a very low thermal conductivity making one of the best insulators available.



INNER LAYER

- Stainless steel, glass fiber and silicone blend layer adds to the insulating and thermal properties.
- Increases seam strength, durability and insulation value.



INNER COVER

- Stainless Steel fabric holds up against the highest temps.
- Will not break down or become brittle with heat.
- Adds a first barrier of protection.

HANDLES 2500°F RADIANT HEAT • 1800°F DIRECT HEAT

Available as SHIELD ONLY or in a KIT.

Each Kit Includes:

- Shield
- 2" x 15 ft roll of Black Titanium
- Two 20" stainless steel Locking Ties
- 5 ft of fastening wire

GEN-3 ONYX BLACK TURBO SHIELDS & KITS

Turbine	Shield Kit	Shield Only
T3	10261	10267
T4	10263	10269
T6	10262	10268
T25/T28*	10265*	10271*
T6X	10264	10270
GT2252	10266	10272

CALL FOR ADDITIONAL FITMENTS & APPLICATIONS

(*For use on turbos with internal wastegate)

Muffler Shield Kit

Designed to reduce radiant heat coming off your muffler resulting in a cooler interior and protection from damaging heat. This 2-piece shield is made from 10mil dimpled aluminum and a 1/8" glass fiber insulator that can be easily trimmed to fit most mufflers. Includes tough stainless steel positive locking ties for a secure installation.

- Greatly reduce radiant heat from muffler
- Cooler interior

MUFFLER SHIELD KIT

Part #	Description
10529	Muffler Shield Kit

Kit Includes:

One Sheet - 42" x 24" Dimpled Aluminum
One Sheet - 51" x 24" Glass Fiber Insulation
Four - 40" x 1/2" Positive Locking Ties
FREE Locking Tie Tool

**INCLUDES
FREE LOCKING
TIE TOOL!**

*For front engine vehicles only. With muffler mounted at least 24 inches behind collectors.



Mazda Miata & Triumph™ TR6 Trans Tunnel Heat Shield Kits

Kit for Mazda Miata from '06-'15 models. A high-heat Floor & Tunnel Shield, 3/16" thick for minimal clearance and rated to handle 1750°F. CNC cut and are applied to the inside of the gearbox cover to reflect heat from entering the interior. Aggressive adhesive for a peel and stick application.



TRANS TUNNEL HEAT SHIELD KIT

Part #	Description
10950	Mazda Miata Trans Tunnel Heat Shield

Black Seam Tape

DEI's Black Seaming Tape is ideal for using with our Black Floor & Tunnel for edge and seam sealing. Made with a glass fiber scrim, high temperature adhesive, and durable black finish. Adds the finishing touch.

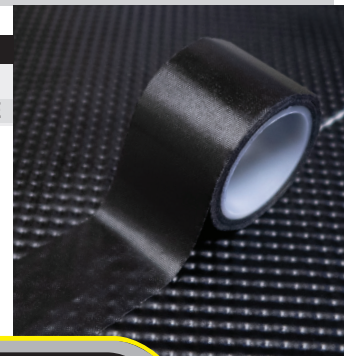
- Hides the seams and edges for DEI Black Floor & Tunnel
- Works great as a universal black tape
- Adheres to wood, steel, metal, aluminum, plastic & fiberglass
- Adhesive good up to 400°F
- Measures 1.5" x 15ft length

ADHESIVE TRANSFER TAPE

Part #	Description
10039	BLACK SEAMING TAPE

*Do not apply directly to exhaust components.

**PERFECT FOR SEAMING
DEI BLACK FLOOR AND
TUNNEL SHIELD**



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NEW PRODUCTS

Wastegate Heat Shield

Performance is in the details. Our DEI Wastegate/Blow Off valve covers help reduce under hood temperatures and reduce the chance of burns when working under the hood. Made from the same type of construction as our Titanium Turbo Shields and made for a precise fit. Includes stainless wire for an easy install.

- Reduce underhood temps
- Same quality construction as our Titanium Turbo Shields
- Riveted tie downs for a secure fit
- Includes stainless wire for easy install

WASTEGATE HEAT SHIELD

Part # Description

10142 TurboSmart Wastegate 40mm - 45mm
CompGate & HyperGate



Titanium Knitted Sleeves™

Titanium Knitted sleeves are available in different precut lengths and by the foot sizes. They have a max temperature rating of 1800°F with a continuous rating of 1382°F. Perfect for larger exhaust pipes as they can expand up to 1.5 times normal diameter allowing to install over flanges and sensor threads. You can cut to length and simply roll the ends. Protect components and keep heat from transferring into cabins. Designed to fit from 3"- 5" O.D. tube size.

- Flammability & burn test SAE J369, FMVSS 302, CMVSS, ISO 3795 and ASTM D5132. Passed
- Salt Spray test ASTM G85-11. Passed
- Absorption of humidity - <.01%
- Thermal Conductivity - .031-.038W/(mK)
- Thermal Expansion Coefficient - 8.00ppm/C
- Sound absorption coefficient - .09-.99%

TITANIUM KNITTED SLEEVES

Part #	Description	Fits Pipe
10038	12" Length	4"- 5"
10040	24" Length	4"- 5"
10042	36" Length	3"- 3.5"
10048	36" Length	4"- 5"
10049	12" Length	3"- 3.5"



Formed Sensor Covers

Thermal Sensor and Wire connector covers are a great way to protect sensors plugs and wire connectors from heat, moisture and dirt. They are made from an aluminized insulation that act as a thermal barrier for sensitive wire connections and sensors. Simple to install with a split top, 25mm and 32mm can be nested to fully cover connectors, near engine manifolds, turbo's and ther heat sources.

- Aluminized insulation reflects heat and act as a thermal barrier for sensitive wire connections
- Simple to install with a split top, and can be nested to fully cover connectors
- Two sizes - 25mm ID, 32mm ID

SENSOR COVERS

Part # Description

10753 2 - 25mm covers
10754 2 - 32mm covers
10759 1 - 25mm and 1 - 32mm - can be nested



AN Size Heat Shroud

Heat Shroud™ solves the problem of heat and abrasions causing failure of lines, hoses and wires without the need to disconnect them.

Made from a high temperature rated glass fiber fabric with an aluminized outer facing, with the added convenience of hook & loop closure design along the open edges. Without the need of removing one end of connected wires, cables and hoses, simply wrap Heat Shroud around whatever needs protection and close edges.

AN SIZED HEAT SHROUD

Part #	AN Size	Length
10673	12AN	3ft
10674	12AN	10ft
10675	16AN	10ft
10676	16AN	3ft
10677	20AN	3ft
10678	20AN	10ft



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NEW PRODUCTS

IMPROVED FORMULA Hi-Temp Spray Adhesive

DEI's Improved Formula Hi-Temp Spray Adhesive is a very aggressive, high build pressure sensitive adhesive designed to bond porous substrates while maintaining a high level of tack. Useful for bonding foam, fabric, metals, wood and of course DEI's heat and sound barrier materials. The spray is a web pattern for excellent coverage on all materials.

- California Compliant Low VOC SCAQMD Rule 1168
- Very Aggressive, High Tack Adhesive
- Single Sided Application
- High Build Web Spray
- High Strength, long-term bond
- No ODS (ozone depleting substances)



NOTE: Ideal for adhering DEI Heat Screen and various Boom Mat under carpet products!

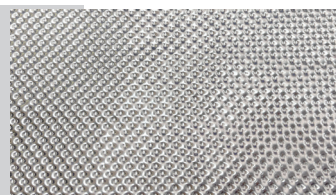
HI-TEMP SPRAY ADHESIVE

Part #	Description
10492	13.3 OZ SPRAY CAN (12 per master carton)



Reflective Aluminum Sheet

- 10 mil dimpled aluminum
- Block radiant heat & protect components
- Easily shape
- Great reflective layer where minimal clearance is needed
- Measures 42" x 48"

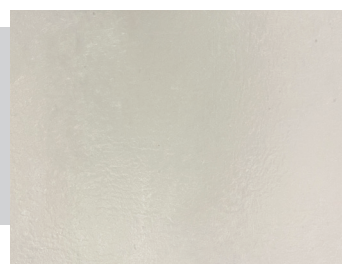


REFLECTIVE ALUMINUM SHEET

Part #	Description
10043	Aluminum Sheet

E-Glass - Insulation

- Measures 51"x 60" Sheet
- Block radiant heat & protect components
- Easily trim to shape
- Great insulating layer where minimal clearance is needed



E-GLASS INSULATION

Part #	Description
10670	E-Glass Insulation

Heat & Sound Barrier Material

DEI Sound Barrier is a combination of a .75 lb/ft2 mass loaded barrier with a 1/2" nonwoven sound absorbing material lamination. One product provides vibration damping, sound control and heat blocking. Meets FAR 25.853 and Reach standards. Can be glued, mechanically fastened or laid under carpet. Sold 55" wide by the linear yard.

- One solution for heat and sound control
- Sound barrier & vibration damping layer
- Insulation & sound absorption layer
- Extremely light weight
- Easy to trim and install
- Fits great under carpets instead of jute or insufficient heat & sound control products
- Passes FMVSS-302 Flamability test



HEAT & SOUND BARRIER

Part #	Description
51135	55" wide x linear foot
51136	55"x 60" (21.25 sq ft)

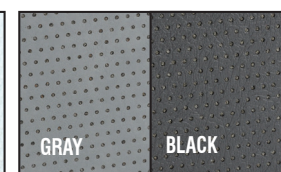
Jeep® Wrangler LJ Sound Deadening / Insulating Headliner

- New for JEEP longer LJ models
- Headliner reduces noise levels 3 to 4 decibels.
- A significant change in noise level that will make it easier to have conversations, enjoy your favorite music and insulating properties makes controlling interior heat and cold levels much easier.



Two finishes: Original Texture Finish

Leather Look Finish



LJ MODELS 2004 - 2006

HEADLINER KIT

4-Door	Year	Finish	Color
50601	'04-'06	Original	Black
50603	'04-'06	Original	Gray
50602	'04-'06	Original	White
50605	'04-'06	Leather Look	Gray
50604	'04-'06	Leather Look	Black

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NEW PRODUCTS

Adhesive Transfer Tape

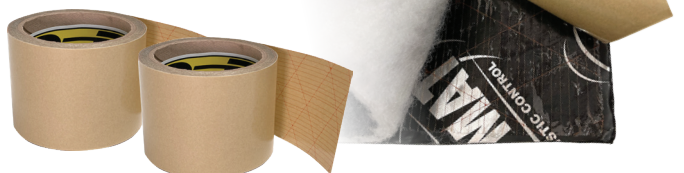
DEI's Transfer Adhesive tape is a very aggressive, pressure sensitive adhesive double sided tape designed to bond substrates while maintaining a high level of tack. Useful for bonding DEI's heat and sound barrier materials without the need for a spray adhesive. Adhesive transfer tape is a clean option for installing materials without the mess. Accurate placement of the adhesive allows for a clean, professional install.

- Very Aggressive, High Tack Adhesive
- Double sided tape • Clean installation
- High Strength, long-term bond
- Scrim reinforcement
- Temperature resistance: -22°F to + 248°F
- Measures 3" wide x 32' length

ADHESIVE TRANSFER TAPE

Part # Description

50205	1 ROLL
50207	2 ROLL PACK



Boom Mat Tape - Damping Material

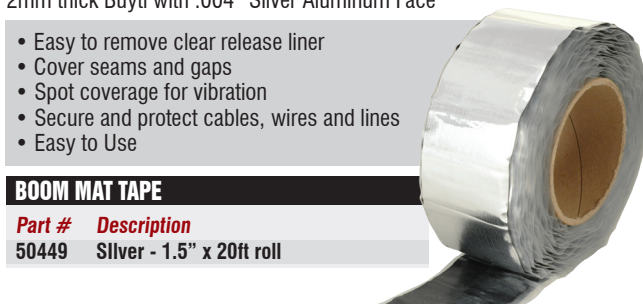
2mm thick Buylt with .004" Silver Aluminum Face

- Easy to remove clear release liner
- Cover seams and gaps
- Spot coverage for vibration
- Secure and protect cables, wires and lines
- Easy to Use

BOOM MAT TAPE

Part # Description

50449	Silver - 1.5" x 20ft roll
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Bundle & secure wires, hoses & more

Sprinter™ Van Custom Cut Insulation Kits

Custom Cut Sprinter Van insulation kits takes the guess work out of creating a cool, quiet, comfortable interior in your Sprinter Van. CNC custom cut kits include insulation pieces for each specific area of your interior. Each piece precision cut and made from exact 3D scans of Sprinter Van interiors. This reduces installation time, and gives the right solution to properly insulate your van. Kits also include Boom Mat damping material to eliminate squeak and rattles, and spray adhesive to complete the installation. Detailed instructions make installation simple.

- Comfortable interior at any temperature
- Quick & easy installation
- Economical insulating solution
- Damping material eliminates vibrations, squeaks & rattles
- Custom cut 30mm thick D-Mat insulation controls, heat, cold & absorbs noise
- Available for 2007 and up Mercedes Sprinter vans Long & short wheel base
- Passes FMVSS-302 Flammability test

Available for 2007 and up
Mercedes Sprinter Vans.

Long and short wheel
base high roof models.



SPRINTER VAN CUSTOM CUT INSULATION KITS

Model (High Roof Models)	144 WB	144 WB	170 WB	170 WB	170 WB EXT	170 WB EXT
Years	07-18	19-UP	07-18	19-UP	07-18	19-UP
Complete Insulation Kit without Floor	51106	51107	51108	51109	51110	51111
Floor Insulation Kit - Single Rear Wheel	52100	52100	51101	51101	51102	51102
Floor Insulation Kit - Dual Rear Wheel	51103	51103	51104	51104	51105	51105
Complete Damping Kit without Floor	51115	51116	51117	51118	51119	51120
Floor Damping Kit	51112	51112	51113	51113	51114	51114



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NEW PRODUCTS

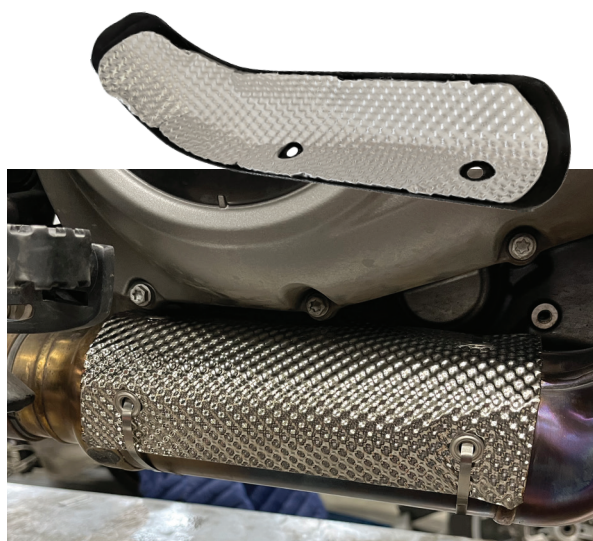
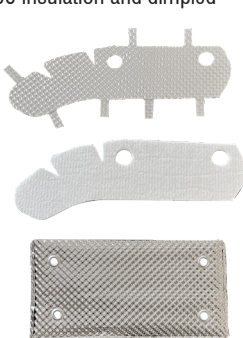
Harley Davidson Pan America Heat Shield Kit 2021-Up

With our exclusive DEI heat shield liner, we improve the factory rear cylinder heat shield while keeping the stock shield look. The catalytic converter shield is an OEM quality shield with premium insulation enclosed in 306 Stainless Steel. This type of shield is far more effective than conventional metal shields and will reduce heat more than 50%. The rear cylinder heat shield liner uses a combination of our Dura 2000 insulation and dimpled aluminum reducing heat more than 50%

- Improves the factory rear cylinder heat shield
- Keeps stock shield look
- Will not harm catalytic converter
- Compatible with skid plates
- Easy installation with no permanent modifications
- Noticeable reduction of heat

HARLEY PAN AMERICA HEAT SHIELD KIT

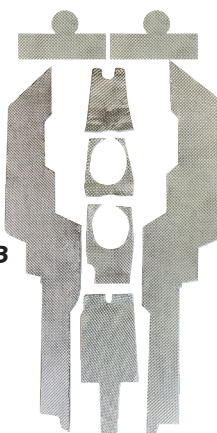
PART#	DESCRIPTION
901065	2021-UP HARLEY PAN AMERICA HEAT SHIELD KIT



UTV / SXS CUSTOM CUT HEAT CONTROL KITS

Mid-engine mounted SXSs and UTVs are prone to heat build-up in the cockpit. This is especially true during slow running conditions or when a roof and windshield are installed. DEI now offers rugged heat shield kits to reflect and insulate excessive heat entering the cockpit. Each kit is designed to control each model's specific heat issues. With these heat shield kits installed, you can ride further and in greater comfort.

- Custom cut kits for each specific model
- High quality heat control materials
- Easy installation with adhesive backed materials
- Creates a cooler, more comfortable ride
- Keeps seat and passenger compartment areas cooler



AVAILABLE FOR:

2015-2022 HONDA PIONEER 1000-5 & 1000-3
2014-2022 HONDA PIONEER 700 2-SEAT
2019-2022 HONDA TALON 1000
2011-2018 CAN-AM COMMANDER 2-SEAT
2014-2018 CAN-AM MAVERICK 2-SEAT
2017-2022 CAN-AM MAVERICK X3 2-SEAT
2019-2022 POLARIS RZR XP 1000
2019-2022 POLARIS RZR XP TURBO & TURBO S
2008-2014 POLARIS RZR 800
2018-2022 ARCTIC CAT WILDCAT
2014-2022 KAWASAKI TERYX



DRINK BOTTLE INSULATOR

Fits Longacre
bottle #22551



- Made from durable, washable neoprene material
- Completely covers the bottle and mount
- Uses Velcro to secure in place
- Includes full length hose cover
- Keeps your water or favorite sports drink cooler longer
- No more hot water after a few minutes of racing
- Fits Longacre bottle #22551

DRINK BOTTLE INSULATOR

PART#	DESCRIPTION
10910	DRINK BOTTLE INSULATOR

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NEW PRODUCTS

Heat Shield Liners

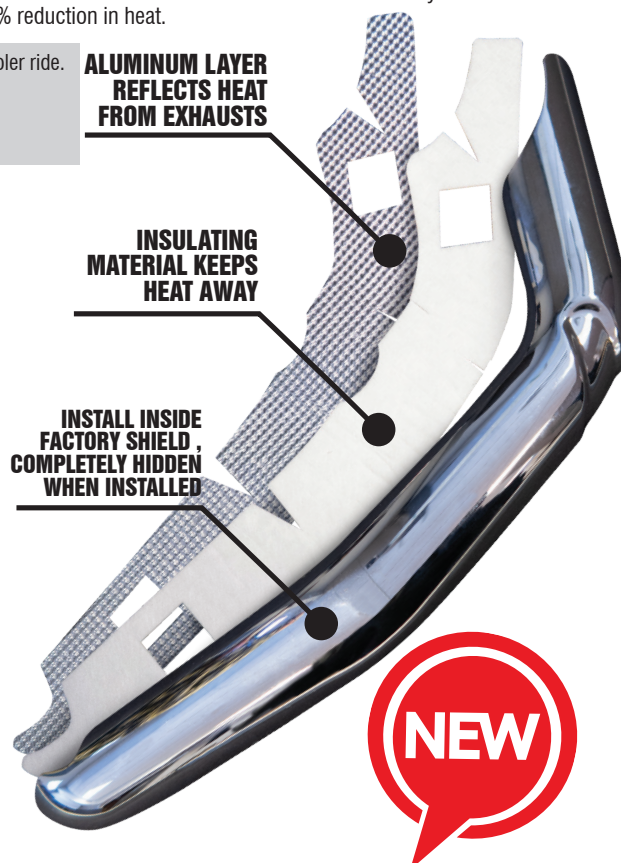
Heat from the exhaust system can become uncomfortable, especially riding in slow traffic. This issue really comes into focus for those with shorter legs. Not wanting to disrupt the attractive lines and appearance of the exhaust, DEI's Heat Shield Liner Kit insulates the outer heat shield, without disturbing the looks of the bike. Each piece is precision cut to fit in-between the exhaust pipe and the heat shield, blocking heat transfer and lowering the surface temperatures of the outer shield. Easy to install, with no permanent modifications needed. The Heat Shield Liners are dual layer constructed of Aluminum and our proprietary Dura 2000™ insulating material and offer over a 60% reduction in heat.

- 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.
- CNC cut for a perfect fit
- Completely hidden when installed

No modifications needed to install



COMPLETELY HIDDEN WHEN INSTALLED!



HEAT SHIELD LINER KITS - COMPLETE HEAD PIPE KITS

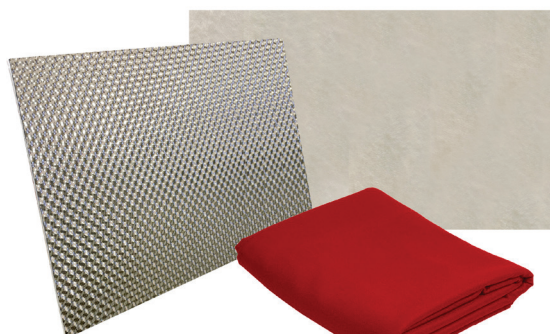
Part #	Motorcycle	Years	Headpipe	Model
901065	HD - Pan America	2021-2022	Stock	
901045	HD - Touring (Inc. Tri Glide)	2017-2022	Stock	
901052	HD - Touring	2017-2022	D&D	Billet Cat 2-1
901046	HD - Touring (Inc. Tri Glide)	2017-2022	Vance & Hines	Power Duals
901063	HD - Touring (Inc. Tri Glide)	2017-2022	Khrome Werks	Dominator 2-1-2
901064	HD - Touring	2017-2022	Bassani	Road Rage II & III
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
901073	HD - Touring	2009-2016	D&D	Boarzilla
901070	HD - Touring	1999-2008	Stock	
901072	HD - FXBB, FXLR, FXFB, FXSL, FXLRS, FXFBS, FXST	2018-2022	Bassani	Road Rage II & III
901049	HD - FXST, FLST	2012-2017	Vance & Hines	Softail Duals
901051	HD - FXST, FLST	1986-2011	Vance & Hines	Short Shots
901055	HD XL	2014-2021	Stock	
901068	Triumph - Scrambler 1200	2022	Stock	
901054	Triumph - Scrambler 1200	2019-2021	Stock	
901062	Indian Challenger	2020-2022	Stock	
901058	Indian Chieftain	2021-2022	Stock	
901059	Roadmaster Springfield			
	Indian Chief Chieftain	2014-2020	Stock	
	Roadmaster Springfield			
901060	Indian Scout 1200 & 60	2020-2021	Stock	
901069	Indian Chief	2022	Stock	

Universal Heat Shield Liner Kit

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

KIT INCLUDES:

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



UNIVERSAL CUT TO FIT KIT

Part #	Description
901053	Large Universal Cut To Fit Kit
901067	Small Universal Cut To Fit Kit



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