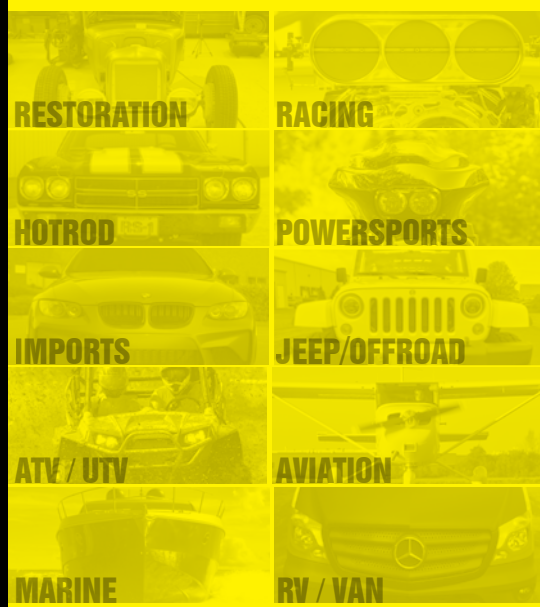
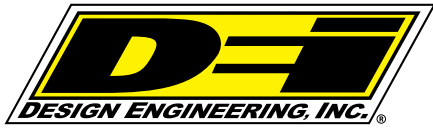




INNOVATIVE
**HEAT &
SOUND
CONTROL**
SOLUTIONS





DESIGN ENGINEERING, INC.

INNOVATIVE HEAT & SOUND CONTROL SOLUTIONS



DESIGN ENGINEERING, INC. FOUNDER
DALE MARKLEY



25 YEARS OF FAMILY & INNOVATIONS

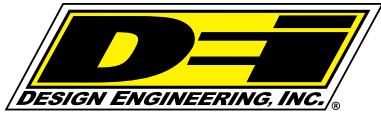
Time flies. How many times have you heard it? When you are young, you roll your eyes when the old timers say it. If you are still young, pay attention, because truer words were never spoken. It has been 25 years since my parents brought up the concept of Design Engineering, Inc. In those years we have learned a lot. We have seen growth beyond our wildest dreams but we have also experienced some valuable lessons and the loss of great friends and family members. DEI founder, Dale Markley, among them in 2001.

One thing that hasn't changed over the years is our commitment to provide the highest quality products and customer support. Another thing that hasn't changed is our fantastic customer base. We are truly fortunate to be blessed with the finest customers of any industry. I have friends in a multitude of industries and hear horror stories about unethical business practices, shady dealings and unpaid invoices. I can honestly say that our industry is built on the shoulders of honest, good and nice people which makes doing business a pleasure.

What we promise for the next 25 years is a commitment to constantly making improvements, and focus on product design and innovation. We ask our customers to continue to help guide us by letting us know how we are doing and what we can do better. We will continue to invest in people, technology, materials and processes to ensure that when you are doing business with Design Engineering you are doing business with the best.

Thank you for being a part of our first 25 years and we look forward to the next 25.

- David Markley, President & CEO



HEAT CONTROL

There are three types of heat. Conduction, convection and radiation. We have solutions to control all of them for whatever you are working on. High quality reflective heat barriers and insulating materials to protect drivers and components to make you safer and more comfortable.



SOUND CONTROL

Sound and noise are disruptive and can be very annoying. We have the right solutions to control sound and noise and to improve accoustics in any application. Whether restoring a hotrod, driving your Jeep, or working on noisy machinery, our high quality materials help eliminate loud, miserable environments.



CUSTOM SOLUTIONS

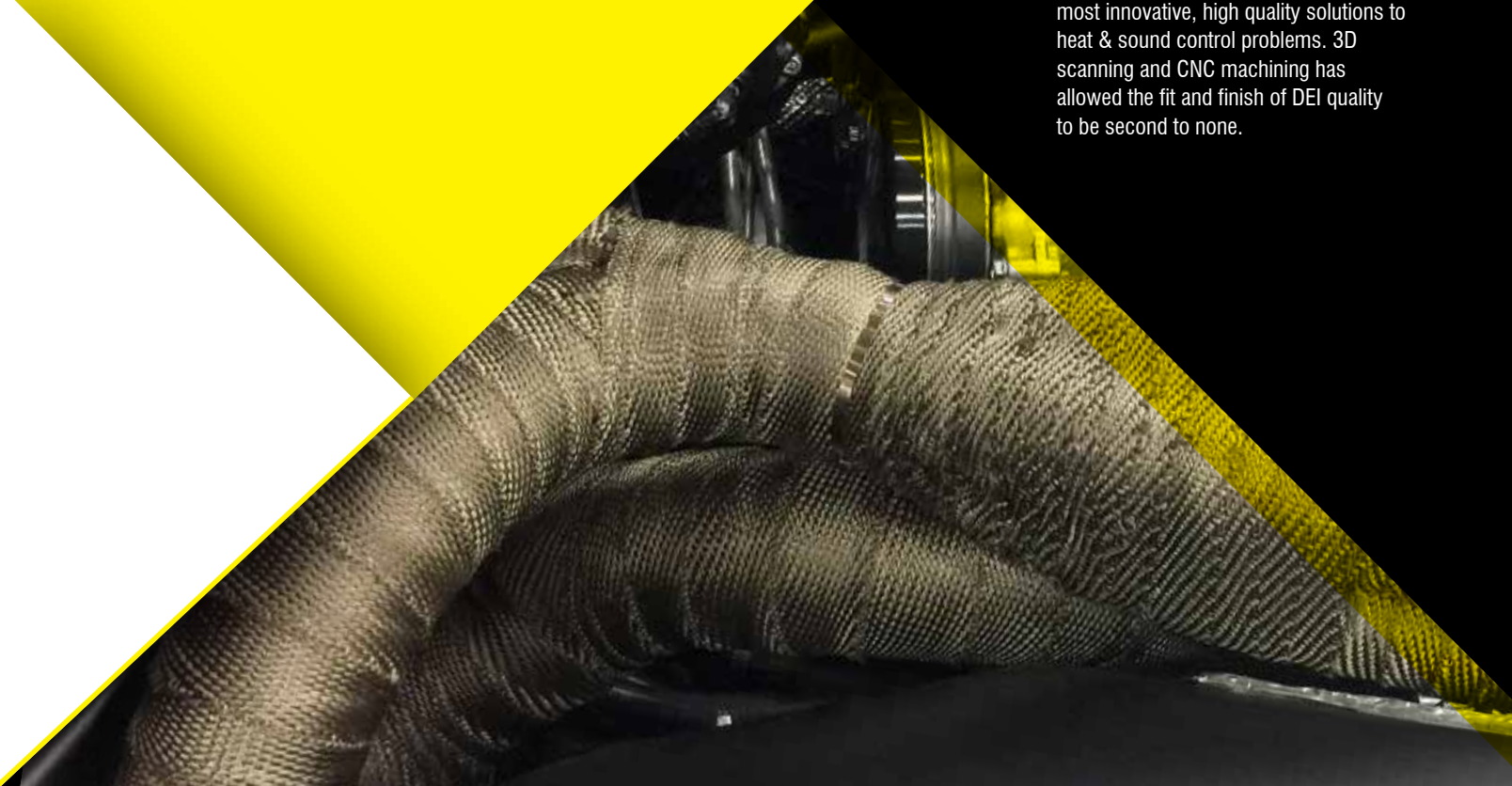
For twenty-five years now Design Engineering has been known for producing exceptional quality heat and sound control products primarily sold through the performance distribution system and major retailers. But there's another facet of our business that we specialize in - working with other customers to help solve their heat and sound control problems.

We have designed custom solutions for many industries including, aviation, powersports, racing, marine and even, locomotive. We have also produced "build to spec" contract work for commercial, industrial and military related businesses to name a few. All of the businesses that come to Design Engineering for heat and sound solutions, recognize our capabilities and ability to come up with the correct, innovative product to solve a problem.



ADVANCED TECHNOLOGY

Technology has allowed us to create the most innovative, high quality solutions to heat & sound control problems. 3D scanning and CNC machining has allowed the fit and finish of DEI quality to be second to none.





NEW PRODUCTS

We take great pride in developing new innovative solutions to heat and sound control needs. We have invested in cutting edge technology and equipment to develop vehicle specific kits, custom heat shielding, improve existing DEI products and add to our expansive heat and sound control solutions product line.

Sprinter Van Pre-cut Interior Heat & Sound Control Kits

Pre-cut interior heat and sound control kits insulate and greatly improve comfort and acoustics in Sprinter vans. This kit is custom cut so no need for paper templating, or wondering where and how to install. A combination of our New D-Mat and Boom Mat damping material offers a light weight and affordable solution to combat heat and noise for Sprinter vans.

See page 45 for more information



Sprinter Van Side Window Cover

Reversible side window covers are designed to keep sprinter vans cool during hot sunny days and warm on cool nights. One side is a reflective material that reflects the sun's heat keeping your van cool during the day. The opposite side is made from soft Cordura, flip the cover around at night to keep the heat in your van when the temperature drops. The center is filled with super-efficient light weight insulation. Magnets sewn into the covers make installation simple and easy. Roll up when not in use for easy storage.

See page 45 for more information



Sound Deadening / Insulation Universal Headliner Material

Universal Sound Deadening Headliner is now available in a 75" x 54" sheet. Peel and stick material can be used to dress up any interior while minimizing annoying outside noise. Constructed of high quality marine grade acoustical foam that resists mold and mildew while insulating from outside heat/cold and sound. Easily trim to any shape.

See page 50 for more information



NEW PRODUCTS



JEEP® Gladiator Sound Deadening / Insulating Headliner

The all new Gladiator is an exciting addition to the JEEP lineup. But it has the same poor accoustics and insulation as existing Wrangler hard top models. Boom Mat's new Jeep Gladiator Sound Deadening Headliner is a custom cut, peel and stick kit that dresses up the interior of Gladiator hard tops while minimizing annoying outside noise. Now available for all Gladiator models in two finishes and three colors.

See page 48 for more information



JEEP® JL Sound Deadening / Insulating Headliner

The all new JEEP JL is great fun except for it's propensity for interior noise that makes it difficult to hear conversations or enjoy your sound system. Boom Mat's custom cut Wrangler Sound Deadening Headliner is now available for the new JL 2 and 4 door models. Available in black or white textured finish.

See page 48 for more information



Pre Cut Hood Insulation Kits

The perfect replacement for your worn out, dirty hood liner! DEI Hoodliner Insulation Kits are custom cut kits made from our Black Underhood material. They control heat and sound and protect your paint from engine heat. An aggressive adhesive backing makes for an easy installation.

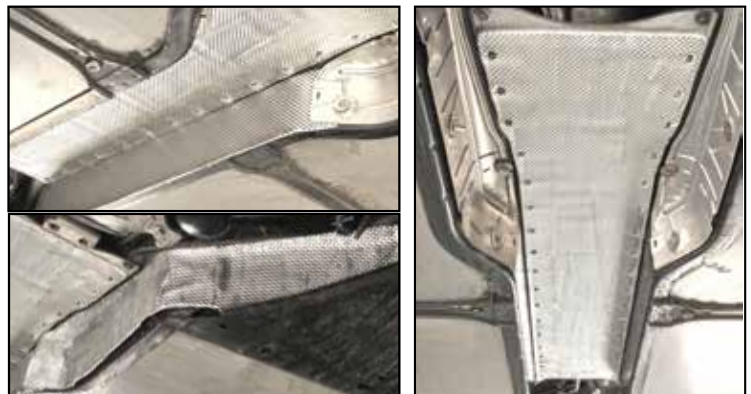
See page 47 for more information



C5 & C6 Corvette™ Transmission Tunnel Thermal Shields

The solution to dramatically reduce the amount of heat transferred through the Corvette C5 and C6 transmission tunnel and into the vehicles' interior. These shields reduce excessive interior high temps and improve the experience of driving a Corvette. Custom cut with aggressive adhesive backing.

See page 30 for more information





NEW PRODUCTS

BLACK Floor & Tunnel Shield

New Black Floor & Tunnel Shield is the solution for blocking engine and exhaust heat while wanting a great black finish. With a proprietary extreme temperature black coating, Black Floor & Tunnel Shield controls heat from getting into interiors and protects components from damage. Aggressive adhesive backing makes installation easy.



See page 27 for more information

STAINLESS Floor & Tunnel Shield

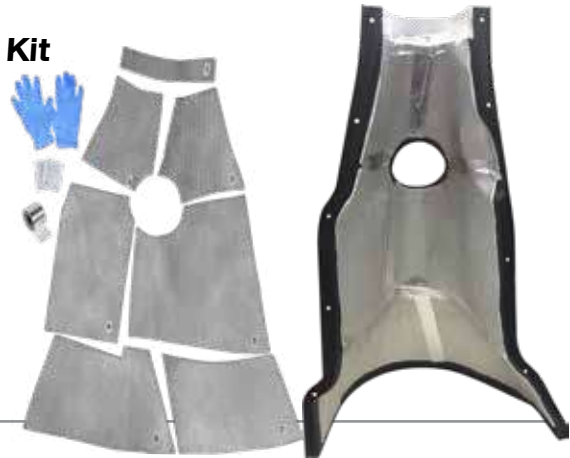
Stainless Floor & Tunnel Shield is a high temperature solution for not only controlling heat, but sound as well. The new stainless steel surface is able to handle higher temperatures but also has micro perforations to control noise as well. It's polished dimpled surface reflects heat while the perforations absorb sounds. Cuts easily with tin snips and aggressive adhesive backing makes installation easy.



See page 27 for more information

Triumph™ TR6/250 Gearbox Cover Heat Shield Kit

Gearbox cover Heat Shield Kit for Triumph TR6 and TR250 models. The kit consists of a high-heat resistant material only 3/16" thick for minimal clearance and rated to handle 1750°F of direct heat. The material is die-cut into seven individual pieces that are applied to and fit together inside of the gearbox cover to reflect heat from entering through the cover. Aggressive adhesive for a simple peel and stick application.

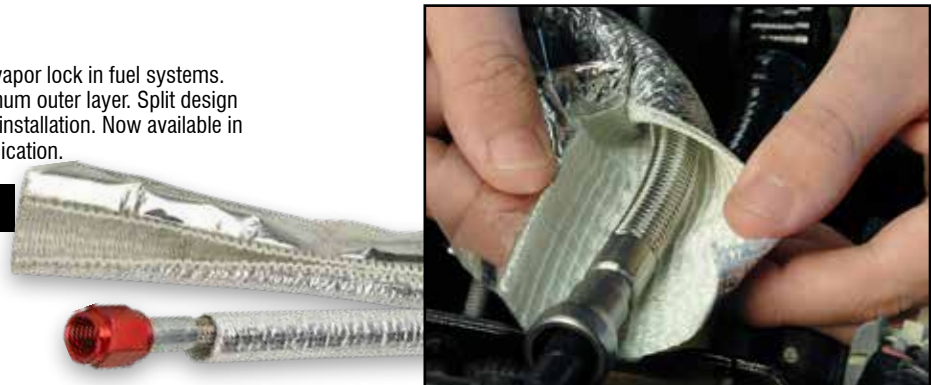


See page 47 for more information

Vapor Block New Sizes

Line sleeving specifically developed to prevent vapor lock in fuel systems. Glass fiber and polyester laminated to an aluminum outer layer. Split design with adhesive flap for quick, no line disconnect installation. Now available in 3/8" ID, 5/8" ID and 1" ID to work with any application.

See page 22 for more information



NEW PRODUCTS



Golf Cart Under Seat Insulation Kit

Gas powered Golf Carts generate a large amount of heat under the seat. This heat can be felt while driving and be very uncomfortable. DEI has developed a 9 piece comprehensive kit to solve this problem. Precut for an exact fitment and made from high quality thermal acoustic foam that is easy to install. Enjoy a cooler and quieter ride and make your Golf Cart more enjoyable to drive.

See page 47 for more information



Boom Mat Decoupling Washers

The best way to decouple bodies, gas tanks, fenders and more from engine and road vibrations. These washers reduce the vibrations transferred through metal surfaces for a quieter, more comfortable ride. Simply add washer between the metal surfaces. Multiple sizes available for any type of installation. Perfect for mounting fuel tanks on motorcycles, body mounts, fender mounts and more.

See page 41 for more information



Oil Rug

Oil Rugs are designed to contain and absorb oil spills under vehicles, motorcycles, around machinery, under leaking equipment, and other maintenance areas. They can absorb hazardous and non-hazardous liquids including oil, petroleum and glycols. Constructed with an absorbent felt face, hydrophobic material and backed with a barrier layer to contain the fluids. They can absorb over 16 ounces of typical motor oil per square foot.

See page 34 for more information



Protect-A-Boots™ 7" Length

Made from double-wall high temperature resistant glass fiber material, Protect-A-Boots™ provide spark plug boot and wire protection from extreme heat and helps prevent burn-through, hardening and cracking of boots.

- Withstands temperatures up to 1200°F
- Woven from high temperature fiberglass material
- Double-wall construction for added durability & abrasion resistance
- Length: 7" (178mm)
- No sewn in steel ring





NEW PRODUCTS

Black TITANIUM Wrap and Locking Tie kit

An all-in-one kit for wrapping a set of V8 headers or exhaust pipes with Black TITANIUM wrap. Kit includes two 2" x 50ft rolls of exhaust wrap, Locking Ties and FREE Locking Tie Tool.

See page 15 for more information



Mustang 1964 - 1966 Precut Interior Heat & Sound Control Kits

The most advanced Thermal Acoustic control kits for 1964 - 1966 Mustangs. A combination of our New D-Mat, our proven Under Carpet Lite and Boom Mat damping material offers a light weight and affordable solution to combat heat and noise for Mustangs.

See page 46 for more information



Black TITANIUM Sleeves

TITANIUM with LR technology is now utilized in the best protection sleeve on the market and now it is in black! The 1/2" ID will fit larger spark plug wires and protect them from hot exhaust manifolds and headers. Sizes large enough for radiator and heater hoses are also available

See page 19 for more information



SPRINT CAR THERMAL COVER

Warm your engine up faster and keep heat in while waiting for the next heat race. The DEI Thermal cover for Sprint cars is made to take the heat and last. Designed with tough PVC coated Polyester fabric with glass mat insulation and Fiberglass lined wings it's both rugged and light weight. The fiberglass lined wings will not melt when touching the hot exhaust and built in snaps hold the wings in the up position to allow servicing on the engine. Built Ohio Tough!

See page 32 for more information



NEW PRODUCTS



CAN-AM® Maverick™ Heat Shield Kit

Many ATV/UTVs have heat issues. Including the CAN-AM Maverick. DEI Powersports now offers a heat shield kit that reduces the console and seat temperatures as well as blocking radiant heat in the cup holder and drivers right leg area. Installation is straight forward and these durable shields will increase the riding comfort for you and your whole crew.

See page 52 for more information



Oil Filter Heat Shields

Oil filters soak in a lot of heat from high performance engines. They are nestled tight to the oil pan and engine. These easy to install Oil Filter Covers block that heat and reduce oil temps. Universal trim to fit size works on all oil filters and comes in a 3 pack.

See page 26 for more information



Stand-Off Mounting Kit

This kit is designed as a solution for mounting heat barriers, custom shields and more. The stainless standoffs are tough and can hold up in any environment. Kit comes with 6 stand-offs plus washers and mounting hardware.

See page 34 for more information



Heal Protector

When racing, the floor, firewall and transmission tunnel can get unbearably hot. When in a car for that long and that much heat, you can get uncomfortable and even get burned. DEI Heal Protector solves this problem with an insulated, easy on/easy off protection that blocks the heat and keeps you cooler the entire race. A sewn in wear surface will help the DEI Heal Protector last race after race.

See page 35 for more information



Motorcycle Leg Shield

Exhaust burns and heat are the worst! Riding your motorcycle can get uncomfortable and dangerous because of how close your leg can get to searing exhaust pipes. DEI has developed a simple solution to protect your leg against burns and make riding more comfortable. This insulated leg protector is easy to slip on and off so when you are done riding, you pull it off and ready to go. Fully adjustable and large enough to fit over leathers and riding gear.

See page 54 for more information





NEW PRODUCTS

Protect-A-Boot & Wire Kit™ 4 Cylinder Kits

Protect-A-Boot & Wire kits are now available in a 4 cylinder kit. 4 cylinder kits include everything needed to protect spark plug boots and wires from harmful under hood heat. Color matched Protect-A-Boots, Protect-A-Wire and Hi-Temp Shrink Tubes included for a professional finished look.

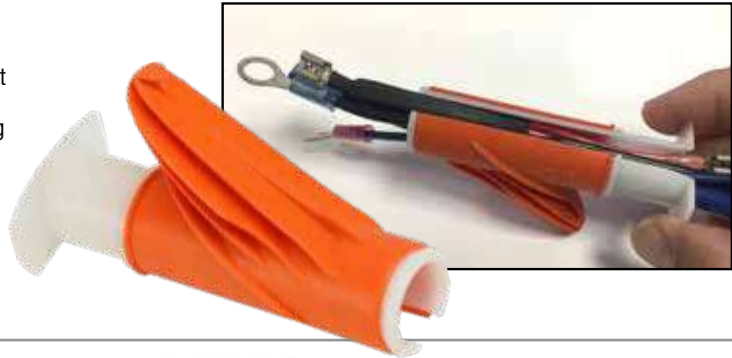
See page 19 for more information



Split Line Sleeve Installation Tool

Line sleeving is great protection for wires, lines, cables & hoses. But inserting them into the sleeving can be frustrating and time consuming. DEI's Split Line Sleeve Tool is designed to keep sleeving open while simultaneously inserting the wires, lines or hoses into the sleeve. Simply put the end of what you want in the sleeving, insert the tool into the sleeving, and pull.

See page 20 for more information



Miata Floor Insulation Kit

Quiet your ride with our premium thermal insulating and sound absorbing under carpet kit. Whether your padding is worn out or you just want to upgrade our DEI Under carpet kit is made from our proven Under Carpet Lite material. At 1/2" thick, it's engineered multilayer construction blocks heat and absorbs engine and road noise. Pre-cut for an easy fit and quick installation.

See page 47 for more information

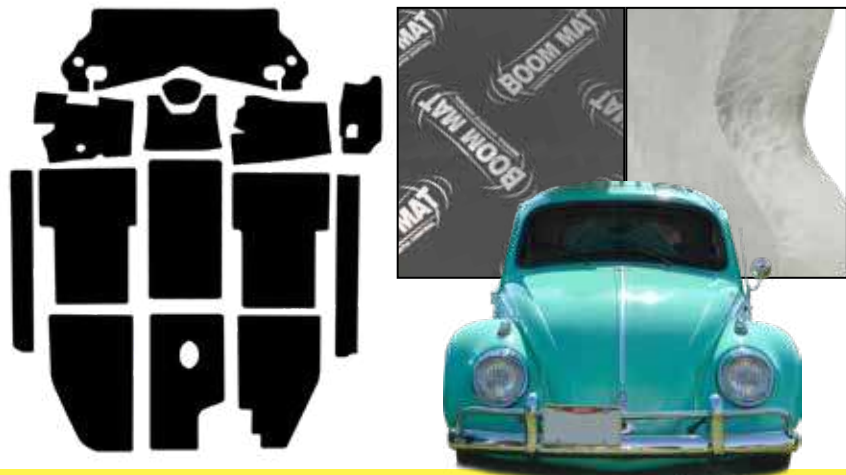


VW Bug Floor Insulation Kit

Get a quiet ride with our DEI sound, heat and vibration damping kit for your Beetle. We include our D-Mat insulation precut to fit your Beetle to give you a cooler quiet ride. Included in the kit is our Boom Mat damping material.

Standard Beetle 1950-1972
Super Beetle 1971-1972

See page 47 for more information



NEW PRODUCTS



GEN-3 TITANIUM **LF** Technology

We Raised The Bar

**THE MOST
TECHNOLOGICALLY
ADVANCED TURBO
SHIELD IS HERE!**

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 TITANIUM Turbo Shield. A Silicone coated TITANIUM LR outer layer with multiple stainless steel and silica inner layers. Without a doubt the strongest, most heat resistant shield available.



OUTER SHELL

- DEI's Titanium 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.

See page 16 & 17 for applications and part numbers





EXHAUST WRAP

Glass Fiber Exhaust Wrap

An important first step in reducing unwanted power-robbing under hood heat, is wrapping exhaust headers and downpipes. Less under hood heat results in a cooler air charge for improved performance.

Sewn-in guide lines



Increases velocity & improves scavenging

Lowers engine compartment and interior heat!

- Reduces under hood radiant heat up to 50%
- Decreases exhaust density & increases exhaust flow
- Improves horsepower
- Sewn-in guide lines for proper overlap
- Glass fiber wraps withstand 1200°F direct heat



TAN WRAP

Part #	Description
010101	1" wide x 50' roll
010102	2" wide x 50' roll
010103*	2" wide x 100' roll
010104*	6" wide x 100' roll
010105	1" wide x 15' roll
010106	2" wide x 15' roll
010109*	8" wide x 100' roll
010117*	1" wide x 100' roll
010137	2" wide x 25' roll

BLACK WRAP

Part #	Description
010099	2" wide x 25' roll
010107	1" wide x 50' roll
010108	2" wide x 50' roll
010116*	2" wide x 100' roll
010118*	1" wide x 100' roll
010120	1" wide x 15' roll
010121	2" wide x 15' roll
010198*	6" wide x 100' roll
010085*	8" wide x 100' roll

* Ships in non-retail packaging

Don't forget the stainless steel Locking Ties and HT Silicone Coating on page 14!

EXO Series™ Exhaust Wrap

EXO Series is designed for offroad and extreme environment use. EXO Series™ is a dual-layer design, using a combination of hi-temp glass fiber, with a 304 grade stainless steel exoskeleton. This unique construction maintains high heat protection while offering superior abrasion and impact protection. Our unique Air Gap Technology keeps direct contact of the glass fiber wrap off the hot surface creating an insulating air barrier.

EXO wrap comes in a special 1.5" width, making it easy to install on any type of header, exhaust pipe or exhaust system. Perfect for high impact spot protection. The stainless steel exoskeleton locks together when overlapped keeping the wrap tight and making installation easy. Delivering outstanding looks and rugged performance for long term durability.

Perfect wrap for trophy trucks, rat rods, ATV, dirt bikes & more!

EXO SERIES WRAP

Part #	Description
010075	1.5" x 10' Tan
010076	1.5" x 20' Tan
010059	1.5" x 30' Tan
010077	1.5" x 10' Black
010078	1.5" x 20' Black
010058	1.5" x 30' Black



Available in Tan and Black



Photo courtesy of Roadster Shop

THE ORIGINAL

TITANIUM Exhaust Wrap



TITANIUM Exhaust Wrap, with LR Technology, is made from pulverized lava rock, stranded into a fiber material then woven into a proprietary weave. TITANIUM wrap is engineered to be stronger than most wraps and more durable for improved thermal performance and reliability.

- Extremely pliable for a tight & secure wrap
- Withstands 1800°F direct / 2500°F intermittent heat
- Hi tech carbon fiber look
- Pre-wetting roll not necessary for wrapping
- High resistance to temperatures, oil spills & vibration breakdown

TITANIUM WRAP

Part #	Description
010125	2" wide x 33' roll
010126	1" wide x 50' roll
010127	2" wide x 50' roll
010128	1" wide x 15' roll
010129	2" wide x 15' roll
010130*	2" wide x 100' roll
010131	2" wide x 25' roll
010132	2" wide x 35' roll
010133*	1" wide x 100' roll
010134*	4" wide x 100' roll
010135*	6" wide x 100' roll

BLACK TITANIUM WRAP

Part #	Description
010002*	2" wide x 100' roll
010003	2" wide x 50' roll
010004	2" wide x 25' roll
010005	2" wide x 15' roll

*Ships in non-retail packaging



Speed Sleeves™

Everything needed to cover and protect primary exhaust header pipes. An alternative to wrapping headers and ideal for protection from heat generating pipes and manifolds.

- High temp glass fiber material
- Serves as an insulator & radiant heat barrier
- Quick & simple installation
- Includes 8" wide wrap, lock fasteners & Locking Ties
- Supplied wrap covers pipes up to 2-1/2" diameter

SPEED SLEEVES

Part #	Description
010083	Black 8 cylinder
010084	Black 4 & 6 cylinder
010114	Tan 4 & 6 cylinder
010115	Tan 8 cylinder



NOTE: 12 ft. of wrap is included with 4 & 6 cyl. kits and 16 ft. included with 8 cyl. kit.





EXHAUST WRAP & ACCESSORIES



Black

Aluminum

White

HT Silicone Coating™

Recommended for use with DEI Exhaust Wraps, HT Silicone Coating penetrates, seals, protects and extends the lifespan of exhaust wrap.

- Protection from abrasions, hot oil & grime
- Heat protection up to 1500°F
- For use on exhaust wraps, engine blocks, pipes, manifolds & more
- 12 oz. can (6 cans in a case)
- Cure temperature 400°F (two hour cure time)

HT SILICONE COATING

Part #	Description
010300	Assortment case 2 cans each (Black, Aluminum & White)
010301	Black
010302	Aluminum
010303	White

Also great as a paint for BBQ grills!



Stainless Steel Locking Ties

Perfect for securing wrap to pipes with its self-locking design. They offer many uses including bundling wires, hoses and other forms of insulation products. Just slide end into locking mechanism and pull tight.

- High grade 316 stainless steel
- Withstands in excess of 2500°F
- 100lb tensile strength

LOCKING TIES

Part #	Description
010201	8" (9 pack; Fits 2" OD)
010202	14" (5 pack; Fits 4" OD)
010203	20" (10 pack; Fits 6" OD)
010205	8 - 8" and 4 - 14" ties
010201B	8" Bulk
010202B	14" Bulk
010203B	20" Bulk

NOTE: Also available in bulk quantities

Positive Locking Ties

Positive Locking stainless steel ties are designed for high heat applications. They are great for securing DEI exhaust wrap or any place a high strength tie is needed. UV and corrosion resistant they will last for many years under severe use.

- Made from 316 Stainless Steel
- Tensile Strength. 5/16" 200 lbs. 1/2" 350 lbs.
- Capable of withstanding in excess of 2500°F

POSITIVE LOCKING TIES

Part #	Description
010208	1/4" x 9" (8 pack)
010209	1/4" x 14" (4 pack)
010210	1/4" x 20" (10 pack)
010211	1/2" x 9" (8 pack)
010212	1/2" x 14" (4 pack)
010213	1/2" x 20" (10 pack)
010216	8 - 5/16" x 9" & 4 - 5/16" x 20"
010217	1/2" x 40" (4 pack)



NOTE: Also available in bulk quantities

Positive Locking Tie & Tool Kit

Perfect kit for securing wrap or anywhere that requires a high temperature fastening solution. Locking Tie Tool easily gets ties tight

Kit Includes:

- 8 - 9" Locking Ties (Up to 2" diameters)
- 4 - 14" Locking Ties (Up to 4" diameters)
- FREE Locking Tie Tool

POSITIVE LOCKING TIE & TOOL KIT

Part #	Description
010219	Positive Locking Tie & Tool Kit



Locking Tie Tool

An effective tool to tighten Stainless Steel Locking Ties. Saves time and hassle while providing a professional looking result. Slide the tool on the end of any 1/4" nut driver, engage the tie, and twist. Fits on the end of any 1/4" drive extension. Works with all popular styles of stainless ties - up to 1/2" wide. Made from hardened tool steel and black oxide coated for years of trouble free use.

LOCKING TIE TOOL

Part #	Description
010220	Locking Tie Tool



EXHAUST WRAP & ACCESSORIES



Complete Exhaust Wrap Kits

An all-in-one kit for wrapping a set of V8 headers or pipes.

Kit includes:

- Two - 2" x 50ft rolls of glass fiber wrap
- One can of HT Silicone Coating
- Locking Ties
- FREE Locking Tie Tool



Clamshell Retail Packaging

INCLUDES FREE LOCKING TIE TOOL!

Box Packaging

INCLUDES FREE LOCKING TIE TOOL!

EXHAUST WRAP KIT - BOX PACKAGING

Part #	Description
010110	Black Wrap w/Black HT Silicone Coating
010111	Tan Wrap w/White HT Silicone Coating
010112	Tan Wrap w/Aluminum HT Silicone Coating

EXHAUST WRAP KIT - CLAMSHELL RETAIL PACKAGING

Part #	Description
010091	Tan Wrap & White HT Silicone Coating
010093	Tan Wrap & Aluminum HT Silicone Coating
010094	Black Wrap & Black HT Silicone Coating

Retail TITANIUM Exhaust Wrap Kit

An all-in-one kit for wrapping a set of V8 headers or exhaust pipes with TITANIUM wrap. Kit includes two 2" x 50ft rolls of exhaust wrap, Locking Ties and FREE Locking Tie Tool.



INCLUDES FREE LOCKING TIE TOOL!

RETAIL TITANIUM EXHAUST WRAP KIT

Part #	Description
010095	TITANIUM Exhaust & Pipe Wrap Kit
010073	BLACK TITANIUM Exhaust & Pipe Wrap Kit

Pipe Wrap & Locking Tie Kit

Great for spot heat protection! Use when headers are close to plug wires, or sections of exhaust pipe that run close to body panels, turbo down pipes or motorcycle pipes to prevent burns!

Kit includes one roll of 2" x 25' exhaust wrap & four 8" stainless steel locking ties to secure wrap. Available in Black, Tan and TITANIUM

PIPE WRAP & LOCKING TIE KIT

Part #	Description
010119	Black
010122	Tan
010123	TITANIUM

TITANIUM Pipe Shield

TITANIUM Pipe Shield combines the high heat tolerance of DEI's proprietary LR fiber technology with a unique rivet-based clamp shield that improves heat dissipation and cooling.



- Heat protection up to 1350°F.
- LR fiber technology is a two-ply material
 - Outer layer - pulverized and stranded lava rock woven for durability & strength.
 - Inside material - high temp resistant fabric (89% silica) designed to withstand 350°F more heat than glass fiber.
- Includes 3.5" clamps for pipe diameters up to 3"

TITANIUM PIPE SHIELD

4" Widths		6" Widths	
Part #	Description	Part #	Description
010453	4" x 8" Length	010450	6" x 12" Length
010454	4" x 12" Length	010451	6" x 24" Length
		010452	6" x 36" Length

ONYX™ Black Pipe Shield

DEI's ONYX Series Flexible Heat Shield, comes in a rich black finish, looks great and outperforms other conventional heat shields. The outer edge features a surge stitch for durability. All hardware is stainless steel.

- Heat protection up to 1350°F.
- High-tech two-ply material
 - Outer layer is heat-treated glass fiber impregnated with molten aluminum;
 - Inside material is high temp resistant fabric (89% silica) designed to withstand 350°F more heat than glass fiber.
- 4" x 8" size



ONYX BLACK PIPE SHIELD

Part #	Description
010496	4" x 8" ONYX Flexible Heat Shield





TURBO SHIELD PROTECTION

Design Engineering Turbo Shields

Turbo Shields™ provide the ultimate means of reducing turbo lag and serve as a superior heat barrier. Keeping more heat in the turbine and less damaging underhood radiant heat results in a boost in horsepower!

Stronger and more durable than other turbo blankets or shields, DEI Turbo Shields are made from a hi-temp insulation under the tight outer layer for extra protection against extreme turbo-generated heat. All DEI turbo shields are double stitched with stainless steel thread to hold up to the most extreme temps. True riveted anchors along with added seam protection accommodates the higher horsepower levels of heat.

Turbo Insulation Kit

Designed to fit all turbochargers to reduce turbo lag and underhood temperatures allowing for a cooler air charge for more horsepower while protecting engine components.



- Universal - fits all turbo turbine housings
- Protection up to 1200°F

TURBO INSULATION KIT

Part #	Description
010113	Turbo Insulation Kit Universal

NOTE: Kit includes: 12" x 36" turbo blanket material, two (2) 14" and two (2) 20" stainless steel Locking Ties, one (1) 2" x 25 ft roll of Tan down pipe wrap & 6" w x 3 ft piece of glass fiber matting

GEN-3 TITANIUM™ Turbo Shields

The GEN-3 TITANIUM Turbo Shield has a silicone coated basalt outer layer with multiple stainless steel and silica inner layers. Without a doubt the strongest, most heat resistant shield available.

Available as SHIELD ONLY or in a KIT.
Each Kit Includes: Shield, 2" x 15 ft roll of Titanium wrap, Two 20" stainless steel Locking Ties & 5 ft of fastening wire

GEN-3 TITANIUM TURBO SHIELDS & KITS

Turbine	Shield Only	Shield Kit
T3	010244	010243
T4	010241	010240
T6	010238	010237
T25/T28*	010247*	010246*
T6X	010252	010251

CALL FOR ADDITIONAL FITMENTS & APPLICATIONS

(*For use on turbos with internal wastegate)



TITANIUM™ Turbo Shields

TITANIUM Turbo Shields™ include a hi-temp rated silica insulation under the tight outer layer for extra protection against extreme turbo-generated heat. We have added a true riveted anchor along with added seam protection to accommodate the higher horsepower levels of heat.

TITANIUM TURBO SHIELDS & KITS

Turbine	Shield Only	Shield Kit
T3	010140	010141
T4	010144	010145
T6	010146	010147
T25/T28*	010148*	010149*
T22*	010165*	010166*
GTP38R	010176	

(*For use on turbos with internal wastegate)



ONYX™ Turbo Shields

ONYX Turbo Shields use an exclusive combination hi-temp insulation surrounded by an Aluminum impregnated glass fiber outer shell. ONYX Turbo Shields have a black finish to compliment any engine bay.

Available as SHIELD ONLY or in a KIT.
Each Kit Includes: Shield, 2" x 15 ft roll of black wrap, Two 20" stainless steel Locking Ties & 5 ft of fastening wire

ONYX TURBO SHIELDS & KITS

Turbine	Shield Only	Shield Kit
T4	010181	010182
T3	010179	010180
T6	010010	
T25/T28*	010163*	010164*
T22*	010161*	010162*

(*For use on turbos with internal wastegate)



ULTRA 47™ Turbo Shields

A Tri-Layer mix of an Aluminum impregnated Glass fiber outer shell with a Hi-Temperature insulating mat core and glass blend liner. Double stitching and heavy duty capped anchor points make this Turbo Shield look great and perform even better.

Available as SHIELD ONLY or in a KIT.
Each Kit Includes: Shield, 2" x 15 ft roll of black wrap, Two 20" stainless steel Locking Ties & 5 ft of fastening wire

ULTRA 47 TURBO SHIELDS & KITS

Turbine	Shield Only	Shield Kit
T3	010172	010174
T4	010173	010175



TURBO APPLICATION GUIDE



Turbo Tips

The ONYX and TITANIUM shields need 1/2" of clearance to fit in between the waste gate actuator arm.

AFTERMARKET AND OEM TURBOS

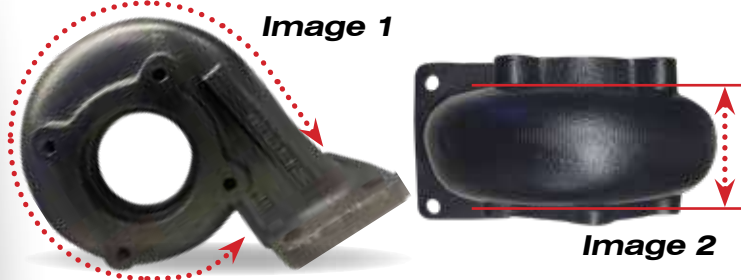
MAKE	MODEL	NOTES	TURBO SHIELD SIZE
Borg-Warner	S300	< = 14cm2 Turbine housing	T3
	S300	> = 16cm2 Turbine housing	T4
	S400		T4
Garrett	GT35R	with T3 Turbine housing	T3
	GT35R	with T4 Turbine housing	T4
	GT37R		T4
	GT42/GT45	a/r 1.01-1.4 for Tight Fit	T4
	GT42/GT45	a/r 1.01-1.4 for Loose Fit	T6
	GT47	~3" short on Length	T6
Precision, TiAL, Turbonetics		All with T3 V-Band	T3
Mitsubishi		MHI TD04/TD05 Turbochargers- Internal Gate (Talon, Eclipse, Laser)	T22
Subaru		MHI TD04/TD05 Turbochargers- Internal Gate (Impreza WRX, STI)	T22
Subaru		IHI VF39/VF43 Turbochargers- Internal Gate (Impreza WRX, STI)	T22
Subaru	OEM	'02 - '07 WRX/STI	T22
Blouch		EVO 3 big 16 G	T22

OEM DIESEL TRUCK APPLICATIONS

MAKE	YEAR	ENGINE	TURBO	TURBO SHIELD SIZE
Dodge	1994 - 2002	5.9L Cummins	Stock Holset	T3
	2003 - 2007	5.9L Cummins	Stock Holset	T3
	2007½ - 2010	6.7L Cummins	Stock Holset	T4
Chevy/GMC	1993 - 1999	6.5L Turbo Diesel	Stock IHI	T25/T28
	2001 - 2004	LB7 6.6L Duramax	Stock IHI	T3
	2004½ - 2010	LLY,LBZ,LMM 6.6L Duramax	Stock Garrett	T4
Ford	2003 - 2007	6.0L Power Stroke	Stock Garrett	T4

How to measure your turbine housing correctly

DEI Turbo shield sizes are based on two basic measurements. The first measurement is the circumference of the turbo not including the flange. (Image 1.) The second measurement is the width of the turbo at it's widest point not including the flanges. (Image 2.) After measuring, refer to the chart below to find the correct shield.



TURBO MEASUREMENTS CHART

TURBO	CIRCUMFERENCE	WIDTH
T22	15"	2.25"
T25/28	15" - 16"	2.5"
T3	15" - 16"	2.5"
T4	20" - 22"	2.75"
T6	26"	3.75"





PLUG BOOT & WIRE PROTECTION

Protect-A-Boots™ Size: 1" ID x 6"L • Sewn in Ring

Made from a high temperature resistant glass fiber material and treated with a proprietary coating, Protect-A-Boots™ provide spark plug boot and wire protection from extreme heat and helps prevent burn-through, hardening and cracking of boots.

- Non-flammable & protects against chemicals
- Universal - fits most straight or angled boots
- Withstands up to 1200°F of direct continuous heat
- TITANIUM up to 1800°F of direct continuous heat
- Double-wall construction for added durability

PROTECT-A-BOOTS

2 Pack		4 Pack		8 Pack	
Part #	Color	Part #	Color	Part #	Color
010501	Silver	010507	Silver	010502	Silver
010511	Black			010512	Black
010521	Red			010522	Red
010531	Blue			010532	Blue
010541	TITANIUM			010542	TITANIUM
010561	Yellow			010562	Yellow
010571	Orange			010572	Orange

For 90° boots, we recommend Protect-A-Boot Sleeve or Titanium Protect-A-Boot XL



Protect-A-Boot XL™ - Silver

Size: 1" ID x 8"L • No Sewn in Ring

A longer version of the DEI Protect-A-Boot. This 8" boot is made of the same high quality materials and construction of the 6" boots. Protect-A-Boot XL is made longer to fit a greater variety of longer plug boots.

- Longer boot to fit longer plug boots
- Non-flammable & protects against chemicals
- Withstands up to 1200°F of direct heat



PROTECT-A-BOOT XL - SILVER

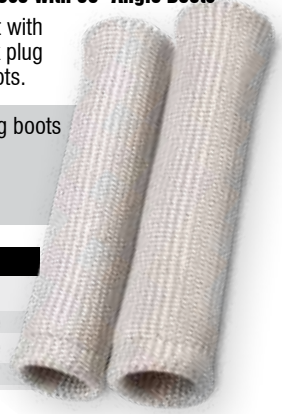
Part #	Description
010503	8" - 2 Pack
010504	8" - 8 Pack
010503B	8" - Bulk - Each

Protect-A-Boot™ Sleeve

Size: 1.25" ID x 6"L • No Sewn in Ring • Use with 90° Angle Boots

Same construction as Protect-A-Boots but with a larger I.D. to fit over extreme angle spark plug boots without the need to remove plug boots.

- Universal-fits multiple angled spark plug boots
- Withstands up to 1200°F of direct heat
- Glass fiber double-wall construction
- Recommended for 90° angle boots



PROTECT-A-BOOT XL - SLEEVE

Part #	Description
010551	2 Pack - Protect-A-Boot Sleeve
010552	8 Pack - Protect-A-Boot Sleeve
010551B	Bulk Protect-A-Boot Sleeve

TITANIUM Protect-A-Boot XL™

Size: 1" ID x 8"L • No Sewn in Ring • Use with 90° Angle Boots

Titanium spark plug boot protectors are the latest in thermal protection technology. Mined from lava rock, stranded and woven into a proprietary weave, TITANIUM Boot Protectors are engineered to withstand temperatures up to 1800°F of direct heat.

- Ultimate protection for spark plug boots & wires
- Strong, durable & long lasting construction
- Resistant to chemicals, abrasions
- Universal - fits most straight or angled boots

Perfect for LS motors!



TITANIUM PROTECT-A-BOOT XL

Part #	Description
010543	2 Pack - Protect-A-Boot XL
010540	6 Pack - Protect-A-Boot XL
010544	8 Pack - Protect-A-Boot XL
010543B	Bulk - Each Protect-A-Boot XL

EXO Series™ Protect-A-Boot™

Size: 1" ID x 6"L • No Sewn in Ring

EXO Series Spark Plug Boots are designed to withstand extreme racing and high heat environments. The outer Exoskeleton stainless steel mesh prevents direct contact with the dual layer Silica boot underneath. This combination of Silica/Air Gap and Stainless steel provides outstanding heat protection for your plug boots and wires. Available in 2, 4 and 8 packs so you can protect trouble areas or your complete wire set.

EXO SERIES PROTECT-A-BOOT

Part #	Description
010088	2 pack
010087	4 pack
010086	8 pack
010506B	Bulk - Each

Boot is surrounded by a stainless steel mesh to improve heat dissipation and abrasion resistance.



ULTIMATE OFFROAD PROTECTION

PLUG BOOT & WIRE PROTECTION



Protect-A-Wire™

Protect expensive spark plug wires from potential burning, cracking, and hardening typically caused by severe under hood heat. Installs on wire by removing distributor boot and sliding over spark plug wire.

- Constructed from high-temp resistant glass fiber material
- Protects electrical wiring, speedometer cable, hoses & more up to 10mm diameter
- Capable of handling direct heat up to 500°F
- Includes DEI Hi-Temp Shrink Tubes

PROTECT-A-WIRE

2 Cylinder	4 Cylinder	8 Cylinder	Color
010601	010577	010602	Silver
010611	010574	010612	Black
010621	010576	010622	Red
010631	010575	010632	Blue

2 Cylinder Kit Contains:
7ft of sleeving, 6 - Shrink Tubes

4 Cylinder Kit Contains:
13ft of sleeving, 12 - Shrink Tubes

8 Cylinder Kit Contains:
25ft of sleeving, 25 - Shrink Tubes

Protect-A-Boot & Wire Kit™

Kits include everything needed to protect spark plug boots and wires from harmful under hood heat. Color matched Protect-A-Boots, Protect-A-Wire and Hi-Temp Shrink Tubes included for a professional finished look.

- Boots & sleeving are constructed from a high temperature resistant glass fiber material

2 Cylinder Kit Contains:
7ft of line sleeving,
6 - Hi-Temp Shrink Tubes
2 - Protect-A-Boots

4 Cylinder Kit Contains:
13 ft of line sleeving,
12 - Hi-Temp Shrink Tubes
4 - Protect-A-Boots

8 Cylinder Kit Contains:
25ft of line sleeving,
25 - Hi-Temp Shrink Tubes
8 - Protect-A-Boots

PROTECT-A-BOOT & WIRE KIT

2 Cyl	4 Cyl NEW	8 Cyl	Color
010701	010587	010702	Silver
010704	010588	010705	TITANIUM
010711	010584	010712	Black
010721	010586	010722	Red
010731	010585	010732	Blue



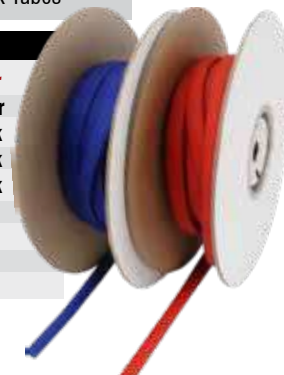
Protect-A-Wire™ Spools

50 foot bulk rolls of Protect-A-Wire. Great shop use so Protect-A-Wire is always handy and in stock.

- Bulk spool is great to have on hand for any project
- Spools do not include Hi-Temp Shrink Tubes

PROTECT-A-WIRE SPOOLS

Part #	Description	Color
010601B50	5/16" 50ft spool	Silver
010613B50	3/16" 50ft spool	Black
010611B50	5/16" 50ft spool	Black
010614B50	1/2" 50ft spool	Black
010618B50	3/16" 50ft spool	Red
010621B50	5/16" 50ft spool	Red
010630B50	3/16" 50ft spool	Blue
010631B50	5/16" 50ft spool	Blue



*Also available by the foot.

TITANIUM Protect-A-Sleeve™



TITANIUM LR technology is now in the best protection sleeve on the market. Made of a pulverized lava rock material. The 1/2" ID will fit larger spark plug wires and protect them from hot exhaust manifolds and headers. Sizes large enough for radiator and heater hoses.

- Withstands up to 2500°F radiant heat
- 1/2", 1" and 2" diameters available

TITANIUM PROTECT-A-SLEEVE

Part #	Description
010475	1/2" ID x 4ft
010475B	1/2" ID bulk per foot
010483	1" ID x 4ft
010483B	1" ID bulk per foot
010482	2" ID x 3ft
010482B	2" ID bulk per foot

BLACK TITANIUM PROTECT-A-SLEEVE

Part #	Description
010589	1" ID x 3ft retail
010590	1/2" ID x 3ft retail
010591	1/2" ID x 6ft retail



TITANIUM Protect-A-Wire™ V8 Kit

Protect a complete V8 set of plug wires. Capable of withstanding temperatures up to 1800°F direct heat and 2500°F radiant, chemical and oil resistant, it provides the ultimate protection for your ignition wires. The 1/2" ID will fit larger spark plug wires.

- Kit Includes:**
- 8 - DEI heat shrink tubes
 - 16 - 1 through 8 numbered heat shrink tubes
 - 25ft of Titanium sleeving

TITANIUM PROTECT-A-WIRE V8 KIT

Part #	Description
010603	Titanium Protect-A-Wire V8 Kit





LINE, HOSE & WIRE PROTECTION

Aluminum Plug Wire Sheath™

Aluminized Plug Wire Sheath is constructed from high-temperature rated glass fiber material bonded to a heat reflective aluminized material. Plug Wire Sheaths are an inexpensive alternative for protecting specific areas on both ignition wire and boot locations from damaging heat generating sources.

- Protecting electrical wiring, hoses, cables & more
- Capable of withstanding 2000°F of radiant heat
- Inexpensive alternative for protecting ignition wires & boots



ALUMINUM PLUG WIRE SHEATH

Part #	Description
010409	3/4" diameter x 6" long (4 pack)

Silicone Protect-A-Wire V8 Kit™

Annealed glass fiber sleeve is coated with silicone providing excellent resistance to abrasion, fraying and punctures. Resistant to chemicals, extremely flexible, and heat resistant to 500°F makes it the perfect choice to cover and protect your spark plug wires. High dielectric strength for high voltage coils and ignition systems.

Kit Includes:

- 25 ft of 3/8" ID Silicone Sleeve
- 8 DEI branded high heat shrink tube ends
- Eight numbered 1-8 high temp shrink tube ends

SILICONE PROTECT-A-WIRE V8 KIT

Part #	Description
010636	Silicone Protect-A-Wire V8 Kit

SILICONE PROTECT-A-SLEEVE

Part #	Description
010635	Silicone Protect-A-Sleeve bulk per foot



Spools are ideal for shop use and retailers to sell by the foot. Shrink tubes not included.

SILICONE PROTECT-A-WIRE SPOOLS

Part #	Description	Color
010636B50	3/8" ID 50ft Spool	Black



Easy Loom™ - Split Wire Sleeve

A clean classy way to protect exposed wire, hoses, and cables on trucks, SUVs and powersport vehicles including ATVs and UTVs. Superior in style and function to simple plastic tubing, DEI's Split Sleeve adds a superior level of protection to sensitive wires, cables and hoses exposed to abrasion and the elements. Rated up to 347°F

- Protects against abrasion, chemicals & the elements
- Superior in style & function to plastic tubing
- Split design makes install easy

EASY LOOM - SPLIT WIRE SLEEVE

Part #	Description
010650	5mm (3/16") x 20ft
010651	8mm (5/16") x 20ft
010652	10mm (3/8") x 20ft
010666	10mm (3/8") x 10ft
010653	12mm (1/2") x 12ft
010654	16mm (5/8") x 12ft
010655	19mm (3/4") x 10ft
010656	25mm (1") x 10ft
010657	38mm (1-1/2") x 6ft

EASY LOOM - BULK ROLLS

Part #	Description
010650B100	5mm (3/16") x 100ft
010651B100	8mm (5/16") x 100ft
010652B100	10mm (3/8") x 100ft
010653B100	12mm (1/2") x 100ft
010654B100	16mm (5/8") x 100ft
010655B100	19mm (3/4") x 100ft
010656B100	25mm (1") x 100ft
010657B100	38mm (1-1/2") x 100ft



Easy Loom™ - Master Kit

Everything to protect and restore your factory or aftermarket wire harness. Includes 5 different diameter Easy Loom sleeves, Shrink tube ends, silicone tape, locking ties and electrical tape.

- Self-closing split design with 30% overlap
- Peak temp rating 347°F - Melting point 500°F
- Superior in style and function to plastic tubing
- Professional look & added protection
- Approved by most car manufacturers

Kit Includes:

Easy Loom	1" x 6'	Heat Shrink	1/4" x 1'
Easy Loom	3/4" x 10'	Heat Shrink	1/2" x 1'
Easy Loom	1/2" x 30'	Ties	8" x 40
Easy Loom	5/16" x 60'	Ties	4" x 100
Easy Loom	3/16" x 15'	Silicone Tape	1" x 12'
Heat Shrink	3/8" x 2'	Electrical Tape	1 Roll



Includes FREE install tool

EASY LOOM MASTER KIT

Part #	Description
010663	Easy Loom master Kit

Split Line Sleeve Installation Tool

DEI's Split Line Sleeve Tool is designed to make installing sleeving easy. It keeps sleeving open while inserting wires, lines or hoses into the sleeve.

LINE SLEEVE TOOL

Part #	Description
011008	3/16" to 3/8" (8mm - 11mm)
011009	1/2" to 1-1/2" (12mm - 19mm)



NEW PRODUCT

INSULATING LINE, HOSE & WIRE PROTECTION



Insulating Fire Sleeve & Tape Kit™

Constructed from high temperature resistant braided glass material, woven into a sleeve and heavily coated with 100% silicone rubber. Provides the ultimate in heat insulation and protection from direct heat up to 500°F. Kit includes a 16-inch length of black Fire Tape to finish off ends of Fire Sleeve for a clean and professional look.

- Insulates wiring, hoses, oil / brake / transmission lines & more
- Use for bundling & protecting hoses, electrical wiring etc.
- Withstands 2000°F of intermittent heat

FIRE SLEEVE & TAPE KIT	
Part #	Description
010470	3/8" ID x 3ft
010472	5/8" ID x 3ft
010474	1" ID x 3ft
010473	3/4" ID x 3ft
111001	1-5/8" ID x 3ft

FIRE SLEEVE BULK	
Part #	Description
010470B	3/8" ID per foot
010472B	5/8" ID per foot
010474B	1" ID per foot
010473B	3/4" ID per foot

FIRE SLEEVE SPOOLS	
Part #	Description
010470B100	3/8" ID 100ft
010470B25	3/8" ID x 25ft
010472B25	5/8" ID x 25ft
010473B25	3/4" ID x 25ft
010474B25	1" ID x 25ft
010472B100	5/8" ID x 100ft
010473B50	3/4" ID x 50ft
010474B100	1" x 100ft

Fire Sleeve Bulk and Fire Sleeve spools do not include Fire Tape

Fire Wrap 3000™

Constructed from the same material as Fire Sleeve™ but with the convenience of a hook & loop edge closure design. Simply wrap Fire Wrap 3000 around wires, cables or hoses without the need for disconnecting.

- Withstands direct heat up to 500°F
- Protects against oil, dirt, road grime & other contaminants
- Pliable enough to shape & fit tightest bends

FIRE WRAP 3000

Part #	Description
010477	5/8" ID x 2ft
010478	1" ID x 2ft
010479	1-1/2" ID x 2ft

FIRE WRAP 3000 BULK

Part #	Description
010477B	5/8" ID per foot
010478B	1" ID per foot
010479B	1-1/2" ID per foot



NOTE: Each size is available in custom cut lengths up to 300 ft. Various diameter sizes are also available as a special order

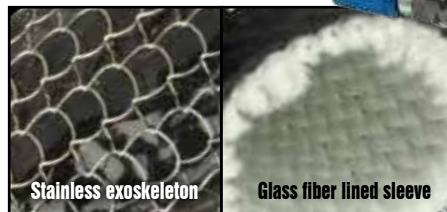
EXO Sleeve™

A high temperature resistant braided glass material, woven into a sleeve and heavily coated with 100% silicone rubber with 304 stainless mesh outer covering, EXO Sleeve provides the ultimate in heat insulation and protection from direct heat up to 500°F.

- Silicone glass sleeve (DEI Fire Sleeve) surrounded by 304 stainless mesh outer covering
- Allows direct contact to heat source
- Highly abrasion resistant
- Provides air flow around sleeve
- Perfect for Insulates wiring, hoses, oil / brake / transmission lines & more

EXO SLEEVE

Part #	Description
010872	3/8" I.D. x 3ft
010873	1" I.D. x 3ft



Stainless exoskeleton

Glass fiber lined sleeve

Fire Tape™

Fire Tape is a multi-use, self-fusing tape that can be used to cover wires, seal temporary leaks, and much much more. Made of a non-adhesive silicone rubber, Fire Tape is waterproof, remains flexible, and does not leave a sticky residue after removal.

- Corrosion & moisture resistant
- Stretch & wrap application
- 700 psi tensile strength
- Permanent air/liquid tight seal

FIRE TAPE

Part #	Description
010476	1" wide x 36ft





REFLECTIVE LINE, HOSE & WIRE PROTECTION

Heat Shroud GOLD™

High temperature Metalized Polyimide lamination, bonded to a robust 20oz. heat treated glass fiber base material, Heat Shroud GOLD will protect and keep components cool in the most demanding applications. Ability to reflect radiant heat up to 800°F makes Heat Shroud Gold the perfect choice to keep critical lines cool and protected. The added convenience of hook & loop closure eliminates the need to remove one end of connected wires, cables and hoses to install.

- 20oz. heat treated base glass
- Metalized Polyimide lamination
- Base glass rated to 1100°F
- High temperature hook & loop

HEAT SHROUD GOLD

Part #	Description
010458	1/2" – 1-1/4" x 36"
010924	2" – 2-1/2" x 36"



Heat Sheath GOLD™

Manufactured from our high temperature Metalized Polyimide lamination, bonded to a robust 20oz. heat-treated glass fiber base material, DEI GOLD sleeving will protect and keep components cool in the most demanding applications. Reflects radiant heat up to 800°F. The perfect choice to keep critical lines, air intakes and hoses cool and protected.

- 20oz. heat treated base glass
- Metalized Polyimide lamination
- Base glass rated to 1100°F

HEAT SHEATH GOLD

Part #	Description
010914	3/4" x 36"
010915	1-1/4" x 36"
010916	1/2" x 36"
010917	1" x 36"
010918	2-1/4" x 36"



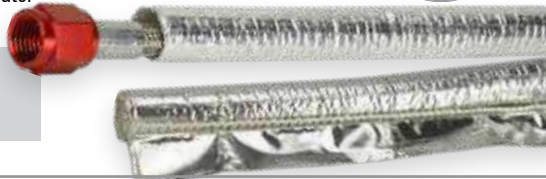
Vapor Block™ Line Sleeve

Specifically developed to prevent vapor lock in fuel systems. Its excellent thermal effectiveness comes from glass fiber and polyester laminated to an aluminum outer layer. Split design with adhesive flap.

- No need to disconnect lines to instal
- Use on fuel lines, A/C Lines, brake lines & transmission lines to prevent vapor lock

VAPOR BLOCK

Part #	Description
010669	5/8" x 36"
010671	3/8" x 36"
010672	1" x 36"



TIG/MIG Torch Cable Cover

DEI TIG/MIG Torch Cover protects expensive cables while not feeling heavy or cumbersome. Made from a PET monofilament and multifilament combination it provides exceptional abrasion and chemical resistance.

Able to handle temperatures up to 347°F with a 500°F melting point. The self-closing split sleeve design makes for an easy installation and includes self-binding silicone tape to secure the ends. Meets SAE ARP 1536 A and ISO 6722 Abrasion ratings and SAE J 369 Flammability rating of Self-extinguishing. With a 3/4" I.D. and 33% overlap it will fit most cables.

TIG/MIG TORCH CABLE COVER

Part #	Description
010664	3/4" x 11 Feet
010665	3/4" x 22 Feet



REFLECTIVE LINE, HOSE & WIRE PROTECTION



Heat Sheath™

Designed to slide over wires, cables and hoses, Heat Sheath provides the ultimate protection from extreme heat as well as chemical and oil spills, dirt, grease and road grime. Constructed from high temperature fabric bonded to an aluminized outer layer to reflect heat. Fireproof and withstands direct heat up to 500°F.

- Pliable for tight bends
- Capable of withstanding 2000°F radiant heat
- Trim to desired length

NOTE: Each diameter is available up to 50 ft lengths. Other diameters are also available as a special order.

HEAT SHEATH

Part #	Description
010418	1/2" ID x 3ft
010403	3/4" ID x 3ft
010419	1" ID x 3ft
010404	1-1/4" ID x 3ft
010420	1-1/2" ID x 3ft
010403B50	3/4" ID x 50ft
010404B50	1-1/4" ID x 50ft
010418B50	1/2" ID x 50ft
010419B50	1" ID x 50ft
010420B50	1-1/2" ID x 50ft



Heat Shroud™

Heat Shroud is made from a high temperature rated glass fiber fabric with an aluminized facing. Same as Heat Sheath but with the added convenience of hook & loop closure with open edges. No need to disconnect wires, cables and hoses, simply wrap around whatever needs protection and close edges.

- Withstands 500°F direct heat
- Trim to desired length
- Convenient hook & loop designed edges



HEAT SHROUD

Part #	Description
010405	1/2" to 1-1/4" ID x 3ft
010457	3/4" ID x 3ft
010487	2" to 2-1/2" ID x 3ft
010405B50	1/2" to 1-1/4" ID x 50ft
010487B50	2" to 2-1/2" ID x 50ft

Ultra 47™ Sheath

Ultra 47 Sheath has a higher sustained heat capability of up to 1100°F and is more flexible and lighter weight than standard foil or bonded aluminum products. Constructed from a process that impregnates molten aluminum to the core fabric giving it higher heat reflective properties. The perfect choice for tight high heat applications.

- Can be trimmed to length
- Direct heat to 1100°F
- Easy to cut & trim to length
- 40% lighter than most line sleeving

ULTRA 47 SHEATH

Part #	Description
010230	1/2" ID x 3ft
010231	1/2" ID x 15ft
010232	3/4" ID x 3ft
010233	1-1/4" ID x 3ft



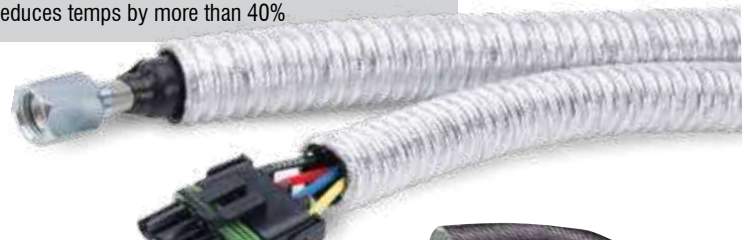
Cool Tube™

Provides thermal protection from damaging heat, resist abrasions, contaminants, and condensation. Covered with a heat resistant glass fiber fabric and pre-slit lengthwise eliminating the need to disconnect cables, lines, hoses or wires for an easy install.

- Withstands direct heat up to 500°F
- Made from convoluted nylon 6 tubing
- Reduces temps by more than 40%

COOL TUBE

Part #	Description
010414	1/2" ID x 3ft
010415	1/2" ID x 15ft
010406	3/4" ID x 3ft
010407	3/4" ID x 15ft



Cool Tube Extreme™

Reflects continuous heat up to 750°F while offering a quality professional look, Cool Tube Extreme™ can conform to tight bends and provide superior protection against under hood temperatures, weather conditions and abrasions. Made from composite material with wire reinforcement.

- Trim to length
- Can be slit lengthwise for easy install

COOL TUBE EXTREME

Color	Length	1/2" ID	3/4" ID	1" ID	1-1/4" ID	1-1/2" ID
Silver	3 ft	010421	010425	010429	010433	010437
Silver	9 ft	010441	010445	--	--	--
Black	3 ft	010424	010428	010432	010436	010440
Black	9 ft	010444	010448	--	--	--





HIGH TEMP SHRINK TUBES

Hi-Temp Shrink Tubes

Professional grade, military spec, flexible polyolefin tubing provides excellent protection from dirt, dust, solvents and foreign materials as well as providing strain relief. Over expanding tubing shrinks down to 33% of its original diameter for a snug seal without reduction to it's original length.



- 3:1 shrink ratio
- Use to insulate wires, connections, terminals, wire splicing & more
- Operating temperature range: -67°F to 275°F
- Apply at 120°F to 180°F using heat gun



HI-TEMP SHRINK TUBES

Part #	Description
010832	9mm (3/8") x 4ft
010833	12mm (1/2") x 4ft
010834	18mm (11/16") x 4ft
010835	24mm (1") x 4ft
010836	9,12,18 & 24mm x 2ft ea.
010837	3mm (1/8") x 4ft
010838	6mm (1/4") x 4ft
010839	3, 6 & 9mm x 4ft ea.
010856	50mm (2") x 2ft
010856B	50mm (2") x bulk per foot
010857	75mm (3") x 2ft
010857B	50mm (3") x bulk per foot

HI-TEMP SHRINK TUBES SPOOLS

Part #	Description
010850	9mm (3/8") x 50ft Spool
010851	12mm (1/2") x 50ft Spool
010852	18mm (11/16") x 50ft Spool
010853	24mm (1") x 50ft Spool
010854	3mm (1/8") x 50ft Spool
010855	6mm (1/4") x 50ft Spool
010832B200	9mm (3/8") 200ft spool
010833B200	12mm (1/2") 200ft spool
010834B200	18mm (11/16") 200ft spool
010835B200	24mm (1") 200ft spool
010837B500	3mm (1/8") 500ft spool
010838B200	6mm (1/4") 200ft spool

Numbered Wire Marker Kit

DEI's numbered wire marker sets are made from high temperature MIL Spec black heat shrink tubes. High shrink ratio of 3 to 1 allows markers to slide over plug boot ends and still shrink tight to the wires. Sets are numbered 1 through 8 in a high visibility white ink that is oil and chemical resistant.

NUMBERED WIRE MARKER KIT

Part #	Description
010849	Numbered Wire Marker Kit



Shrink Tubes with Adhesive

Shrink tube with adhesive is a flexible, flame-retardant heat-shrinkable polyolefin tubing with a thick wall modified adhesive which melts and flows, encapsulating and sealing components inside. Recommended for applications that require waterproofing for light cable and wire harnesses and protection of connectors. Operating temperature range is -67°F to 257°F.



Adhesive lining that melts with heat, encapsulates & seals components inside forming water tight seal

- Great for water proofing wires & connectors
- 19mm inside diameter shrinks to 6mm
- High grade military spec

SHRINK TUBE W/ADHESIVE

Part #	Description
010858	19mm ID shrink to 6mm x 2ft length

Spark Plug Wire Boot Shrink Tubes

Perfect for sealing spark plug wires to boots at each end forming a water-tight weatherproof seal. With a 3:1 shrink ratio, shrink tubes can be used to bundle wires as an alternative to tape or plastic ties.

- 3:1 shrink ratio
- Offers a clean & professional under hood look
- Easy to install using heat gun
- 25 tubes to a package
- Four colors to choose from



SPARK PLUG WIRE / BOOT SHRINK TUBES

Part #	Description	Color
010800	18mm (11/16") x 1-1/2"	Gray
010801	12mm (1/2") x 1-1/2"	Gray
010810	18mm (11/16") x 1-1/2"	Black
010811	12mm (1/2") x 1-1/2"	Black
010820	18mm (11/16") x 1-1/2"	Red
010821	12mm (1/2") x 1-1/2"	Red
010830	18mm (11/16") x 1-1/2"	Blue
010831	12mm (1/2") x 1-1/2"	Blue

COMPONENT SPECIFIC PRODUCTS



Prevent starter failure due to heat Versa Shield™ Starter Shield

Protects starters from potential failure caused by under hood heat soak conditions. Made from an aluminized heat reflective material backed with a hi-temp rated glass fiber insulation barrier, Versa-Shield is capable of reflecting radiant heat up to 2000°F. Direct heat up to 500°F

- Universal-trim length to size
- Edges close with hook & loop design
- Protect master cylinders, cool cans, distributors, fuel pumps & more
- No need to remove starter for installation in most cases



VERSA SHIELD STARTER SHIELD

Part #	Description
010402	7"W x 24"L

MINI VERSA SHIELD STARTER SHIELD

Part #	Description
010384	5-1/2"W x 16-1/2"L

Ultra 47™ / ONYX™ Shield

Designed for severe duty use, Ultra Shield 47 offers the highest level of protection. Constructed of two layers of material, a highly reflective outer layer combined with a high heat inner layer. Able to withstand direct heat of up to 1350°F, Ultra 47 Shield is the perfect choice for high heat applications where engine heat soak is a problem.

- 7"W x 24"L Size
- Hook & loop fastening system
- Length can be trimmed to size
- Available in Aluminum & Black ONYX



ULTRA 47 / ONYX SHIELD

Part #	Description
010235	Ultra 47 Shield - 7"W x 24" L
010236	ONYX Starter Shield - 7"W x 24" L

Muffler Shield Kit

Designed to reduce radiant heat coming off your muffler resulting in a cooler interior and protection from damaging heat. Made from 10mil dimpled aluminum with a 1/8" needle glass insulator it 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
010455	Muffler Shield Kit

Kit Includes:

One - 42" x 24" Muffler Shield
Four - 40" x 1/2" Positive Locking Ties
FREE Locking Tie Tool

**INCLUDES
FREE LOCKING
TIE TOOL!**



*Street use only

Cell Saver™ / Battery Insulation Kit

Batteries are very susceptible to heat and vibration that could cause premature failure and hazardous leaks. Cell Saver reduces vibration and absorbs and neutralizes any damaging leaky battery acids. Cell Saver is easy to install and excess material can be trimmed to accommodate most battery sizes and shapes.

- Protects batteries from harmful radiant heat
- Material withstands up to 2000°F radiant heat
- Traps & neutralizes harmful battery acid
- Clean finished look with easy installation

CELL SAVER

Part #	Description
010480	40"L x 7" W

NOTE: Includes 40" x 7" insulation material, 12" x 7" treated base mat and edge sealing tape



Cool Cover™ / Air Tube Cover Cool Cover™ GOLD / Air Tube Cover

Designed to prevent air tubes from becoming heat sinks. Cool Cover & Cool Cover GOLD will reflect radiant heat from air tubes and promotes a cooler, denser, more powerful air charge. With a unique full length hook & loop closure design, they can be installed and removed in seconds.

Cool Cover

Aluminized reflective surface bonded to a 20oz. heat treated glass fiber base material

Cool Cover GOLD

Metalized Polyimide bonded to a 20oz. heat treated glass fiber base material

- Reflects heat from air tubes
- Cooler air charge for added power
- Fits up to 4" diameter tubing

COOL COVER

Part #	Description
010417	Up to 4" O.D. x 36"L

COOL COVER GOLD

Part #	Description
010486	Up to 4" O.D. x 28"L





COMPONENT SPECIFIC PRODUCTS

LS Engine Coil Pack Heat Shield

Eliminates the need to relocate coils packs and prevents premature coil failure due to overheating. Easy to install precut shields install under the coil bracket reducing the radiant heat to the coils from the engine and exhaust. Works on factory and aftermarket coils and brackets.

- Semi-Ridged shield made from double sided aluminum & high temperature foam core
- Insulates & reflects heat away from the coils
- Extends coil life
- Sold in pairs



LS COIL PACK HEAT SHIELD

Part #	Description
011001	LS Coil Pack Heat Shield

Reflective Fuel Can Covers

Race fuel manufacturers recommend limiting exposure to the sun. This is critical when it comes to the new oxygenated fuels. Keep fuel temperatures stable and extend the pot life of expensive race fuels. No more stuffing the cans under blankets or moving them around all day to avoid the sun. DEI Fuel Can Covers are designed to easily slip over cans and drums that most race fuels come in. These durable covers reflect away radiant heat and keep fuel cool!

- Keeps race fuel cans cool
- Easy on & off
- Recommended by race fuel manufacturers
- Reduces fuel temperatures up to 23%

FUEL CAN COVERS

Part #	Description
010033	5 gallon square Scribner NEW
010467	5 gallon round metal fuel can
010471	5 gallon square fuel jug
010484	54 gallon metal fuel drum
010498	11 gallon fuel dump can
010489	5 gallon round plastic NEW



Oil Filter Heat Shield

Oil filters soak in a lot of heat from high performance engines because they are nestled tight to the oil pan and engine. DEI's Oil Filter Heat Shield blocks radiant heat that can change the oils viscosity or potentially cause thermal breakdown that will make oil additives degrade, dissipate, and wear out quickly. Easy to install Oil Filter Shields block that heat and reduce oil temps.

- Keeps oil cool
- Reduces heat soak into filter
- Easily trim to fit
- 3 pack



OIL FILTER HEAT SHIELD

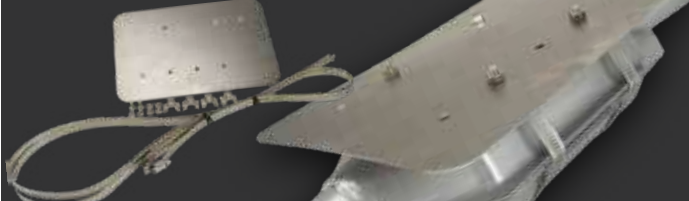
Part #	Description
010740	3.5" - 4.5" x 4" 3 Pack
010741	2.5" - 3.5" x 3" 3 Pack

OEM Replacement Universal Catalytic Converter Shield

Replace your missing or rattling catalytic converter shield. Allows you to pass inspections and reduce heat coming from your converter. Easy to install universal design fits most converters. Includes all hardware and instructions.

- Easily bends to conform to converter
- Universal design fits most converters
- No need to replace your converter if all you need is a new heat shield

Shield measures 12" x 8"



CATALYTIC CONVERTER SHIELD

Part #	Description
011003	Universal Catalytic Converter Shield

Fuel Injector & Sensor Covers

These covers wrap around fuel injectors or sensors and will reflect radiant heat away from them, preventing heat soak and vapor lock. Simple split design allows easy installation without having to remove the injector or sensor. Simply wrap around and close with built in hook and loop fastening edges.

- Universal - fits most fuel injectors & sensors
- Cooler injectors operate more efficiently
- Prevent vapor lock & heat soak

FUEL INJECTOR / SENSOR COVERS

Part #	Description
010380	2 pack
010381	4 pack
010382	6 pack
010383	8 pack



EXTREME HEAT BARRIERS



Floor & Tunnel Shield II™

Designed to withstand direct temperatures up to 1750°F, Floor & Tunnel Shield II is the ultimate solution to block radiant heat from entering a vehicles interior and protect under hood components. Constructed from 10 mil aluminum bonded to a finely woven layer of high temperature resistant glass fiber.

- Wind & water will not affect adhesive
- Minimum clearance required, only 3/16" thick
- Easily shape, trim, peel & stick
- Aggressive self-adhesive backing

NOTE: DEI Cool Tape is suggested for sealing edges & seams

FLOOR & TUNNEL SHIELD II

Part #	Description
050501	21" x 2 ft (3.5 sq ft)
050502	21" x 4 ft (7.0 sq ft)
050503	42" x 4 ft (14.0 sq ft)
050503-16	10" X 10" (.83 sq ft)



Also available without adhesive backing

FLOOR & TUNNEL SHIELD II W/O ADHESIVE

Part #	Description
050506	42" x 2 ft W/O Adhesive (7 sq ft)
050520	42" x 4 ft W/O Adhesive (14 sq ft)



BLACK Floor & Tunnel Shield™

New Black Floor & Tunnel Shield is the solution for blocking engine and exhaust heat while wanting a great black finish. With a proprietary extreme temperature black coating, Black Floor & Tunnel Shield controls heat from getting into interiors and protects components from damage. Aggressive adhesive backing makes installation easy.

- Wind & water will not affect adhesive
- Minimum clearance required, only 3/16" thick
- Easily shape, trim, peel & stick
- Aggressive self-adhesive backing



BLACK FLOOR & TUNNEL SHIELD II

Part #	Description
050549	42" x 48" Black Floor & Tunnel Shield (14 sq ft)
050552	21" x 48" Black Floor & Tunnel Shield (7 sq ft)

Stainless Steel Acoustical & Thermal Floor & Tunnel Shield

Stainless Floor & Tunnel Shield is a high temperature solution for not only controlling heat, but sound as well. The new stainless steel surface, backed with a high-temp resistant glass fiber, is able to handle higher temperatures but also has micro perforations to control noise as well. It's polished dimpled surface reflects heat while the perforations allow sounds to be absorbed. Cuts easily with tin snips and aggressive adhesive backing makes installation easy.

- Stainless Steel reflective surface
- Microperforations to absorb sound
- Easily shape, trim, peel & stick
- Aggressive self-adhesive backing



STAINLESS STEEL ACOUSTICAL FLOOR & TUNNEL SHIELD II

Part #	Description
050551	22" X 19" Stainless Steel Acoustical Floor & Tunnel Shield

Form-A-Shield™

Capable of withstanding direct heat up to 1400+ F, Form-A-Shield can be applied to exhaust headers, manifolds, turbo housings and downpipes dramatically reducing radiant exhaust temperatures. Formed from 10 mil dimpled aluminum bonded to a high temperature rated Basalt thermal barrier material, Form-A-Shield can be applied directly to hot surfaces helping to lowering under hood temperatures while keeping more heat in the exhaust system.

- Extremely pliable & forms to many shapes & configurations
- Durable & resistant to oil & chemical spills
- Withstands direct heat up to 1400°F +
- Superior insulator anywhere near the path of exhaust pipes
- Can be applied direct to hot surfaces
- Fasten with straps, clamps or DEI Locking Ties

NOTE: Use DEI Adhesive Spray (# 010490) with Form-A-Shield on non-hot areas to serve as a heat barrier / reflector

FORM-A-SHIELD

Part #	Description
010516	42" x 48" (14.0 sq ft)
010517	21" x 48" (7.0 sq ft)





EXTREME HEAT BARRIERS

Heat Screen™ Aluminized Mylar Radiant Matting

An excellent method for reflecting unwanted heat from areas and surfaces needing protection. With a thickness of only .060 inches, Heat Screen requires minimal clearance and is capable of withstanding 2000°F of radiant heat. Ideal for protecting body panels, floor boards, gas tanks, fairings and for use under carpeting.



- Withstands 1200°F of direct heat
- Can be secured with adhesive or fasteners
- Trim to desired size

NOTE: Use with our 010490 spray adhesive

HEAT SCREEN

Part #	Description
010071	12" x 24" (2 sq ft)
010401	36" x 40" (10 sq ft)
010401B	36" x linear foot bulk

- High temp adhesive backing
- Heavy weight glass fiber with aluminum face
- Flexible & easy to install
- Peel & stick

HEAT SCREEN W/SELF ADHESIVE BACKING

Part #	Description
010399	36" x 20" (5 sq ft)
010400	36" x 40" (10 sq ft)
010090	36" x linear foot

Reflect-A-GOLD™

A metalized polyamide polymer laminated to a light weight 5.0oz glass fiberglass cloth with a high temperature adhesive for use in extreme temperature swing environments. Lightweight and easy to apply.

- For firewalls, bulkheads, engine covers, floors, seat bottoms & more
- Handling continual temps up to 850°F
- Adhesive protected by a release liner rated up to 325°F
- .0065" thick



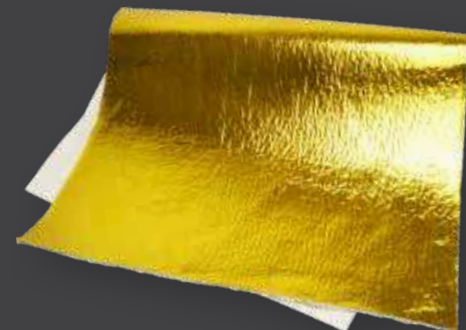
REFLECT-A-GOLD

Part #	Description
010390	24" x 150 ft Roll
010391	12" x 12" Sheet
010392	12" x 24" Sheet
010393	24" x 24" Sheet
010394	1-1/2" w x 15 ft Roll
010395	1-1/2" w x 30 ft Roll
010396	2" w x 15 ft Roll
010397	2" w x 30 ft Roll

NOTE: Available in custom cut lengths in widths up to 24"

Heat Screen GOLD™ Metalized Radiant Matting

Manufactured from our high temperature Metalized Polyimide lamination, bonded to a robust 20oz heat treated glass fiber base material. Able to reflect direct heat up to 800°F makes this the perfect choice to keep critical components air intakes and interiors cool and protected. Heat flux test shows 36% reduction of temperature.



- 20oz. heat treated base glass
- Base glass radiant heat to 1100°F
- .031" thick
- Mechanically fasten or use DEI Hi-Temp Adhesive 010490

HEAT SCREEN GOLD

Part #	Description
010913	36" x 40" (10 sq ft)
010919	24" x 24" (4 sq ft)

Reflect-A-Cool™

Reflect-A-Cool offers high heat reflectivity to protect temperature-sensitive components and materials against heat damage and hot spots. Made of an aluminized reflective foil, backed with a base layer of glass fiber, it is able to withstand continuous temperatures of 400°F.

- Protect wires, cables, hoses, pipes & tubing from radiant heat sources
- Self-adhesive backing with release liner
- Radiant heat protection up to 2000°F
- Moisture & solvent resistant

REFLECT-A-COOL

Part #	Description
010412	36" x 48"
022004	36" x linear foot
010460	12" x 12"
010461	12" x 24"
010462	24" x 24"



EXTREME HEAT BARRIERS



Cool Tape™

A flexible and super strong thermal insulating tape capable of protecting up to 2000°F of radiant heat. Made of one mil aluminized material bonded to a woven glass fiber matting, It is an ultra light weight solution for wrapping wires, cables, hoses, fuel lines, covering seams and many other uses.

- Withstands direct heat up to 400°F
- Use to secure panels, seal air boxes, wrap wiring & more
- Strong self-adhesive backing

COOL TAPE

Part #	Description
010408	1-1/2" x 15 ft roll
010413	2" x 60 ft roll (Cool Tape Plus)
010416	1-1/2" x 30 ft roll
010468	2" X 30 ft roll

NOTE: Perfect for giving DEI Reflect-A-Cool, Heat Screen and Floor & Tunnel Shield-II a finished edge look!



Form-A-Barrier™

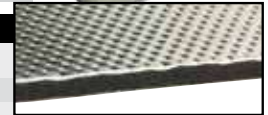
Light weight, formable rigid shield provides excellent thermal protection up to 1300°F with minimal gap of 1 inch to heat source. Can be formed or bent by hand to conform to odd shapes. Mechanically fasten with pins, screws or bolts. Resistant to most automotive chemicals. Multiple applications include firewalls, interiors, engines and other areas.

- Easily formable 12" x 12" squares
- Both sides have reflective material
- Protection up to 1300°F



FORM-A-BARRIER RIGID SHIELD

Part #	Description
011002	12" x 12"
011013	12" x 24"



Black Under Hood™ Thermal Acoustic Lining

Designed for the engine compartment as a way to greatly reduce heat and noise with an easy peel and stick install. Engine heat and noise is a problem with modified vehicles with high performance components. Black Under Hood Lining can help solve this.

- Black textured finish
- Cooler hood & protects your paint
- Easy peel & stick installation
- Measures 32" x 59"

BLACK UNDER HOOD

Part #	Description
050129	32" X 59" (13.1 sq ft)



SEE PAGE 47 FOR PRE-CUT KITS

Under Hood™ Thermal Acoustic Lining

Designed primarily for engine compartments as a way to insulate the underside of hoods and serves as a sound deadener while protecting paint finishes. A simple and easy peel and stick application. Made of 3/4" thick, high quality, industrial acoustical grade foam with a reinforced reflective aluminum covering.

- Insulate from heat while reducing noise & vibration
- Peel & stick application
- Protects paint finishes
- 3/4" thick • Temp range: -45°F to 275°F

UNDERHOOD

Part #	Description
050510	32" X 54" (12 sq ft)



DEI products play a huge role in keeping us running cool on the track & to keep me comfortable & protected in the driver's seat.

AARON QUINE
NASCAR & TRANS AM SERIES



CORVETTE PRODUCTS

Corvette C7 Oil Cooler Line Heat Shroud

The DEI Oil Cooler Heat Shroud is designed to easily wrap around the oil cooler lines without disconnecting the lines making installation simple and easy. The result is greatly reducing harmful radiant heat from soaking into the oil cooler lines.

- Reduces oil temperature
- Helps prevent Z06 from going into "limp mode" due to engine oil over heating
- No need to remove or disconnect lines to install



CORVETTE C7 OIL COOLER LINE HEAT SHROUD

Part #	Description
010488	C7 Corvette Oil Cooler Line Heat Shroud 2-2.5" I.D. x 18"L

Catalytic Converter Shield C7 Corvette

Chevrolet located the C7 engine oil cooler and oil filter close to the driver side catalytic converter causing heat transfer into the engine oil. Possibly making the ECM send the car into limp mode. By installing our converter heat shield we block this heat transfer and prevent the oil temperature from rising.

- Dual layer design - Outer layer is hi-temp TITANIUM, Inner layer is 89% silica to handle extreme heat
- Reduce heat soak into oil
- Easy installation with stainless steel Locking Ties
- Helps prevent car going into "limp mode" from engine oil becoming to hot.



CATALYTIC CONVERTER SHIELD

Part #	Description
010069	Catalytic Converter Shield

Corvette EGR Pipe Cover 1985 - 1991

Protect 1985 through 1991 Corvette L98 EGR systems and nearby under hood components from damaging heat with the proper EGR Pipe Cover. DEI's sewn-in hook & loop edges makes for a quick and straightforward replacement without removing the EGR pipe. Just wrap the cover around EGR pipe and close edges.

- High temp glass fiber fabric bonded to aluminized outer facing
- Handles direct heat up to 500° F and 2000° F radiant
- Provide protection from oil, grease and chemical spills.

CORVETTE EGR PIPE COVER

Part #	Description
010387	11.5" x 4.5" - 1985-88 (some 1989)
010388	15" x 4.5" - 1990-91 (some 1989)
010389	4.5" x 4.5" - 1987-91



Corvette Trans Tunnel Plate Heat Shield

The solution to dramatically reduce the amount of heat transferred to the Corvette C5 and C6 Transmission Tunnel Plates and into the vehicles' interior. This shield reduces the negative effects of in-cabin excessive high temps and improves the experience of driving a Corvette.

- Reduce console & interior temperatures
- Die cut for a perfect fit & ease of install
- No need to remove the Trans Tunnel Plate
- Peel backing, align & press into place
- Not affected by wind or water
- Extremely light weight



TRANS TUNNEL PLATE SHIELD



SIDE SHIELDS (2 PER SIDE)



CORVETTE TRANS TUNNEL HEAT SHIELDS

Part #	Description
050525	C5 Trans Tunnel Plate Shield (1 Piece)
050529	C5 Trans Tunnel Side Shields (4 Pieces)
050530	C5 Trans Tunnel Shield Kit (5 Pieces)
050526	C6 Trans Tunnel Plate Shield (1 Piece)
050531	C6 Trans Tunnel Side Shields (4 Pieces)
050532	C6 Trans Tunnel Shield Kit (5 Pieces)

JEEP PRODUCTS



PREVENT JEEP VAPOR LOCK Jeep® Fuel Rail & Injector Cover Kit

We have come up with a solution for a common heat soak & vapor lock problem in 1997-2004 JEEP models with inline 6 engines... Easy to install heat protection kit reduces heat soak on the fuel rail and injectors, in turn reducing vapor lock and keeping fuel cool.

- Fits 1997-2004 4.0L JEEP models with inline 6 motor
- Reduces fuel rail & injector fuel temps
- Reduces chance of vapor lock
- Protect injectors & fuel rail from engine heat

Kit Includes:

- One – Manifold heat shield
- One – Fuel rail heat cover
- Six – Fuel injector covers
- Twelve - OE replacement fuel injector O-rings

JEEP FUEL RAIL & INJECTOR COVER KIT

Part #	Description
010378	Jeep Fuel Rail & Injector Cover Kit



Jeep® JK 2012-18 Battery Box Heat Shield Kit

Complete kit to protect battery boxes and electrical connections from damaging heat. Includes two heat shields, hardware and detailed instructions.

- Heat from the passenger side exhaust can rise to the point of damaging battery boxes and electrical wiring when under heavy loads and slow speeds



Protects electrical connections from engine and exhaust heat



Protects battery box from exhaust & engine heat



JEEP JK BATTERY BOX HEAT SHIELD KIT

Part #	Description
010456	Jeep JK 2012-2015 Battery Box Heat Shield Kit

Jeep® JK 2007-11 Header Wrap Kit

Design to help prevent plug wire and boot melting when installing shorty headers on your 2007-2011 Jeep JK with V6 engine. The Jeep JK has very little space for the spark plug wires once the headers are installed making this a must have kit.

- Includes everything needed for a typical set of shorty headers
- Withstands extreme temperatures
- Resists solvents, oils, fuel, acids & chemicals
- Reduces underhood temperatures

Kit Includes:

- Two 25 ft rolls of TITANIUM Exhaust Wrap
- Eight 9" Stainless Positive Locking Ties
- Four 14" Stainless Positive Locking Ties
- Six 8" TITANIUM Spark Plug Boot Protectors



JEEP JK HEADER WRAP KIT

Part #	Description
010136	Jeep JK Header Wrap Kit





TOOLS & ACCESSORIES

SPRINT CAR THERMAL COVER

Warm your engine up faster and keep heat in while waiting for the next heat race. The DEI Thermal cover for Sprint cars is made to take the heat and last. Design with tough PVC coated Polyester fabric with glass mat insulation and Fiberglass lined wings it's both rugged and light weight. The fiberglass lined wings will not melt when touching the hot exhaust and built in snaps hold the wings in the up position to allow servicing on the engine. Built Ohio Tough



- Rugged and light weight
- Fiberglass wings prevent damage to the cover and won't melt on your expensive headers
- Fits most Sprint car chassis

HIGH-TEMP FIBERGLASS PANELS TO REST DIRECTLY ON HEADERS

STAINLESS STEEL SNAPS TO HOLD UP SIUDE FLAPS



SPRINT CAR THERMAL BLANKET

Part #	Description
010225	Sprint Car Thermal Blanket

Quarter Midget Fuel Line Kit

DEI Fuel Line Cover Kit is a safe and easy way to make sure you pass technical inspection for any USAC - 1/4 Midget Race.

- Includes 1-1/2' of 3/8" ID silicone covered glass braided sleeving, 4 Heat Shrink Sleeves
- Meets USAC requirements for fire proof fuel line cover as stated in current rule book
- Rated to a max temp of 520°F for 136 hours



QUARTER MIDGET FUEL LINE KIT

Part #	Description
010634	Quarter Midget Fuel Line Kit



Lite-N-BOLTZ Plan-O-Gram

Combining License Plate and Lighted Button Head Bolt lighting kits, this display features the nine fastest moving LED part numbers.

- Universal applications-multiple uses
- Includes display header card
- Display measures 9-1/2" L x 24" H (w/ header card)

LITE-N-BOLTZ PLAN-O-GRAM

Part #	Description
030100	LED Lite'N Boltz Plan-O-Gram



TAPES & LIGHTING



Quick Fix Tape™

Quick Fix Tape bonds to itself and forms a waterproof permanent seal. It's ideal for emergency hose repairs, non-slip grip surface for tools, electrical connections and a leak sealer. Does not leave a sticky residue. Silicone compound engineered at 700psi tensile strength with insulating capabilities up to 8,000 volts. Stretches to three times its length for a simple stretch and wrap application.

- Withstands temperatures from -65°F (-54°C) to 500°F (260°C)
- Seal hoses, bundle & wrap wires, weatherproof connections & more
- Can be applied to wet surfaces
- Permanent air / liquid tight seal

QUICK FIX TAPE

Part #	Description
010491	Black (1" wide x 12 ft roll)



Speed Tape™

Speed Tape has multiple uses including race applications, temporary damage repairs and taping body seams to name a few. Speed Tape tears straight and easy every time and available in eight colors as well as the popular checker-board design.

SPEED TAPE

Part #	Color	Part #	Color
060101	Black	060105	Yellow
060102	White	060106	Purple
060103	Red	060107	Green
060104	Blue	060108	Orange
060202	Checker-board		



2"x 90ft Rolls (Checker-board 2"x 45ft)

NOTE: Also available in a countertop display pack (Part # 060100)
18 rolls - 2 of each color



LED Lite-N-BOLTZ™ Accent Lighting Kits

LED Lighted Button Head Bolts, with hex head opening, can be used anywhere accent lighting is desired. Great for accent lighting including hot rods, street rods, motorcycles, boats, ATVs, RVs, personal watercraft, pick up trucks, 4x4's, 18-wheelers and even industrial applications. 12-Volt Lighted Button Head Bolts contain two lights per package, measure 5/16" x 3/4" and are made from high grade stainless steel and available in six vibrant colors. 9/16" outside diameter of button head.



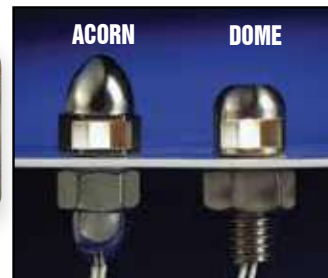
LITE-N-BOLTZ ACCENT LIGHTS

Part #	Color	Part #	Color
030303	White (2-pk)	030306	Green (2-pk)
030304	Red (2-pk)	030307	Blue (2-pk)
030305	Amber (2-pk)	030308	Purple (2-pk)

LED Lite-N-BOLTZ™ License Plate Lighting Kits

LED License Plate Lighting Kits with their right-angle LED, are extremely efficient and emit a much higher degree of light in a desired location than incandescent lamps. Since there's no filament that can be damaged, LEDs are incredibly durable-virtually shock and vibration-proof.

- Superior lighting & meets legal requirements with great looks
- Made of high-grade stainless steel with clear waterproof lens
- Perfect for license plate relocation projects only using .30MA current, 0.36 watts



LITE-N-BOLTZ

Part #	Description
030301	Satin License Plate Kit Dome Head (4-pc.)
030302	Satin Dome Head (2-pc.)
030309	Polished License Plate Kit Dome Head (4-pc.)
030310	Polished Dome Head (2-pc.)
030311	Polished Acorn Shape Head (2-pc.)





TOOLS & ACCESSORIES

Heat Resistant Sealant

Developed by Dow Corning® for extreme-duty aerospace applications, this sealant bonds to almost all surfaces and an ideal method of encapsulating and protecting applications where parts must perform at high temperatures. Unlike other sealants, it will not sag or run on overhead or on side wall applications.

- For use with fiberglass, metal, wood, rubber, plastic & more
- Withstands continuous temps up to 500°F / 600°F Intermittent
- Made from 100% silicone & remains flexible
- Peel strength of 20 lbs.



HEAT RESISTANT SEALANT

Part #	Description
010410	3 oz tube

Hi-Temp Spray Adhesive

Hi-Temp Spray Adhesive provides high strength adhesion and bonds a wide variety of materials, including trims, foams, fabrics and more. It has a specially designed three-way adjustable valve allowing the user to select the spray pattern that best suits the job.

- Dries quickly & clear
- Forms a water-resistant bond
- High temp resistant up to 160°F (71°C)
- High bonding strength for many materials



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

HI-TEMP SPRAY ADHESIVE

Part #	Description
010490	10 oz can (12 per master carton)

Grommet and Locking Tie Kit

When mounting heat shields or other materials it can be difficult to make it look professional. DEI has put together a complete Grommet and Tie kit to make any install look first class. Included in the kit are 24 - 3/8" grommets, Grommet eyelet tool, Six 20" long stainless locking ties and our handy locking tie tightening tool. Everything you need for a professional looking installation.

- Universal kit for mounting heat shields, & other heat barriers
- Includes FREE Locking Tie Tool

GROMMET KIT

Part #	Description
010223	Grommet Kit



Stand Off Kit

This kit is designed as a solution for mounting heat barriers, custom shields and more. The stainless standoffs are tough and can hold up to any environment. Kit comes with 6 stand-offs plus washers and mounting hardware.



- Solution for mounting heat shields, & other heat barriers
- Includes 6 stand-offs & mounting hardware

STAND OFF KIT

Part #	Description
010224	Stand Off Kit



Oil Rug

Protect floors, work areas, work benches - anywhere there's a potential of oil spills or leaks, and makes clean up easy. Contains and absorbs oil spills under vehicles, motorcycles, around machinery, under leaking equipment, work benches and other maintenance areas. They absorb hazardous and non-hazardous materials including oil, petroleum and glycols.

Absorbent felt face, a hydrophobic material and backed with a barrier layer to contain the fluids. Edges are sealed to contain contaminants and can absorb over 16 ounces of fluid per sq ft.



KEEPS FLOORS CLEAN AND OIL FREE

OIL RUG

Part #	Description
010750	12" X 18" Oil Rug
010751	18" X 24" Oil Rug
010752	29" X 48" Oil Rug



- Keeps oil contained
- Absorbs spills and drips
- 3 different sizes

SEALED EDGES & BACKING TO CONTAIN SPILLS



SAFETY PRODUCTS



Heal Protector

When racing, the floor, firewall and transmission tunnel can get unbearably hot. You can get uncomfortable and even get burned. DEI Heal Protector solves this with an insulated, easy on/easy off protection that blocks the heat and keeps you cooler the entire race. A sewn in wear surface will help the DEI Heal Protector last race after race.



- Easy slip on/off
- Protects against burns and heat
- Light weight & flexible

HEAL PROTECTOR

Part #	Description
011015	Heal Protector

Reflective Arm Sleeve

In Go-Kart racing the racer's arm can be close to the engine and exhaust. To reduce the potential risk of burns, DEI, now offers added protection with its Go-Kart Reflective Arm Band Sleeve. Heat resistant, the thermal sleeve reflects heat and improves the drivers comfort and safety. Sleeve covers from forearm to top of shoulder.

- Designed for go-kart racing
- Easy slip on/off
- Protects against burns and heat
- Light weight & flexible



REFLECTIVE ARM SLEEVE

Part #	Description
010866	Small Reflective Arm Sleeve
010861	Medium Reflective Arm Sleeve
010867	Large Reflective Arm Sleeve

Pit Crew Safety Kit

Kit Includes:

Safety Glasses

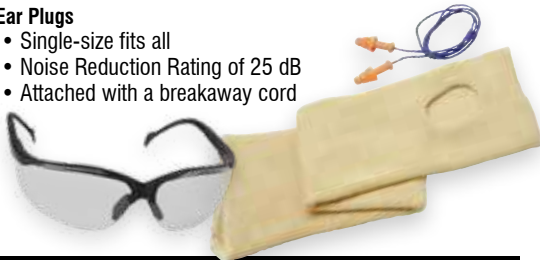
- Wrap-around style
- 100% UV protection & scratch resistant clear lenses

Safety Sleeve (18")

- Kevlar™ with superior cut, slash & heat resistance
- Thumb-hole sleeve extends past wrists
- Protects to 900°F

Ear Plugs

- Single-size fits all
- Noise Reduction Rating of 25 dB
- Attached with a breakaway cord



PIT CREW SAFETY KIT

Part #	Description
070540	Pit Crew Safety Kit

AVAILABLE SEPARATELY

Part #	Description
070520	Safety Sleeve (single)
070521	Safety Sleeve (pair)
070530	Ear Plugs

Hub & Rotor Cover

- Protection from hot brake drums and rotors
- Prevents potential of serious burns or cuts
- Aluminized mylar adhered to glass fiber matting
- Withstands 2000°F radiant / 500°F of direct heat
- Protection against dirt, dust & grime
- Measures 14" L x 7" W x 13" H



HUB & ROTOR COVER

Part #	Description
010485	Hub & Rotor Cover

Dyno Strap Heat Guard

- Protect dynamometer tie-down straps from burn-through caused by exhaust exit heat
- Made of a hi-temp resistant aluminized mylar
- Withstands 500°F direct / 2000°F radiant heat
- Easily slips over dyno tie down strap
- 36" long x 5" wide



DYNO STRAP HEAT GUARD

Part #	Description
010466	Dyno Strap Heat Guard

NOTE: Not for direct pipe contact



Safety Glasses

Black-frames with impact resistant lenses, wrap-around style protective eyewear meets ANSI Z87 general purpose requirements offering 100% UV protection, scratch resistant and available in three different color lenses.

SAFETY GLASSES

Part #	Description
070513	Clear lenses
070514	Yellow lenses
070515	Smoke lenses

RADIATOR RELIEF™

High Performance Coolant Additives

All Radiator Relief coolant additives are specially formulated to reduce the surface tension of the coolant to prevent bubbles from forming on hot metal surfaces, such as cylinder heads, known as cavitation. This allows heat to transfer into the coolant more efficiently. Radiator Relief improves that heat transfer while reducing cavitation and scaling.

Radiator Relief™

Radiator Relief is an excellent method of treating cooling systems to reduce coolant temps as a preventive step to help avoid overheating, electrolytic (electrolysis) and chemical corrosion. It is compatible with all coolants, water and anti-freeze mixtures. Both an anti-foaming agent and corrosion inhibitor which balances the negative acidic effects that can develop over time are also included. Radiator Relief is also safe to use with all types of radiator materials including cast iron, copper, brass and aluminum.

- Reduces engine temps up to 30°F
- Includes anti-foaming agent
- Corrosion inhibitor
- Reduces pre-existing scale build-up
- Compatible with all types of anti-freeze
- Recommend 1oz per quart of coolant

RADIATOR RELIEF

Part #	Description
040200	16 oz bottle
040104	32 oz bottle



For TIG Welders

Specially formulated to enhance cooling system performance by maximizing the thermal transfer ability of the coolant/water solution or plain water. Environmentally friendly TIG Chill is safe to use in all systems and with all types of coolants.

FOR TIG WELDERS

Part #	Description
040209	TIG Chill



Heater Hotter™

- Accelerates transfer of heat from engine to heater
- Improves engine warm-up time up to 50%
- Safe with all types of anti-freeze
- Helps reduce engine wear

HEATER HOTTER

Part #	Description
040206	16 oz bottle



For Diesels™

- Blended for extreme use
- Decrease coolant temp up to 30°F
- Quicker warm-up
- Helps reduce engine wear
- Recommend 1oz per quart of coolant

HEATER HOTTER

Part #	Description
040204	16 oz bottle





THE POWER OF COOL

Cryogenic Intake Systems

Cryo²™ is a revolutionary product designed to reduce air and fuel temperatures thus creating more power. Through the science of aerodynamics and cryogenics, we have developed a system to harness the cryogenic properties of liquid CO₂ to lower the intake charge temperature by up to 50°F.

The system is modular and can be easily expanded. This system provides two methods for cooling the air charge and one for cooling fuel, all utilizing the same burst of liquid CO₂. Plus CO₂ is readily available at any welding or medical supply locations or where paintball guns are charged.

Intercooler Sprayer Kit



- Enhances intercooler thermal transfer ability
- Lowers air temperatures by as much as 35%
- Improves intercooler efficiency by as much as 50%
- Non-injectable system - Ability to run more boost safely
- Straight forward, easy bolt on installation
- CO₂ is less expensive to refill than nitrous

Kit includes:

- 10 lb. tank and brackets
- Cryogenic solenoid valve
- 14 ft. stainless steel braided supply line
- Arming, activation, & WOT switches
- Includes CO₂ fittings & electrical hardware
- 16"x 5" front-mount intercooler sprayer

INTERCOOLER SPRAYER KIT

Part #	Description
080108	Intercooler Sprayer Kit

Intercooler Sprayers

Intercooler Sprayers mount directly to the front of air-to-air intercoolers and vent the liquid CO₂ directly on to the cooling fins, enhancing the performance of the intercooler by more than 50% and eliminating heat soak. This component must always be the last in the CryO² system as it vents the liquid CO₂ charge.



Fittings & hardware included for multiple mounting options



INTERCOOLER SPRAYERS

Part #	Description
080130	Front Mount - 16" x 5"
080131	Front Mount - 8" x 4"
080134	Front Mount - 19" x 9"

CRYO² Tank & Installation Kit

The foundation of every CryO² system

Kit includes:

- 10 pound CO₂ tank
- Tank mounting brackets (10lb Dia. Max 7.375" - Min. 6.875")
- Cryogenic solenoid valve
- 14 ft. stainless steel braided supply line
- Arming, activation, & WOT switches
- Includes CO₂ fittings & electrical hardware

NOTE: 10 lb. tank:
6-3/4" Dia. base,
20" tall



TANK & INSTALLATION KIT

Part #	Description
080102	10 lb. Tank and Installation Kit
080103	10 lb. Spare Tank
080105	10 lb. Installation Kit Only (without tank)

Air Intake & Intake Bulbs

The CryO²™ patented* Air Intake consists of an aerodynamically designed bulb with a cryogenic chamber mounted in a short segment of air tube. Air is cooled as it passes over the bulb, resulting in a cooler, denser, more powerful intake air charge. Testing showed up to a 50°F reduction in intake air temperature.

- Designed for turbocharged, supercharged, & N/A applications
- Multiple units increase results
- Large 4 1/2" O.D. for Diesel & hi-power applications
- Complete with silicone coupler, hose clamps, vent cap, & braided line

AIR INTAKE & INTAKE BULBS

Part #	Description
080110	Air Intake - 3" O.D.
080111	Air Intake- 2 1/2" O.D.
080112	Air Intake- 4" I.D. / 4 1/2" O.D.
080117	Air Intake Bulb 1.75" - Bulb & legs only
080119	Air Intake Bulb 1.25" - Bulb & legs only



CO₂ flows through bulb, cooling the air charge

* U.S. Patent Number: 6,675,781





CRYOGENIC INTAKE SYSTEMS AND COMPONENTS



Intercooler Water Sprayer

- Universal kit designed for all air-air I/Cs & heat exchangers
- Use with or without our CryO²™ Intercooler Sprayers
- Light-weight construction
- 1.25 quart capacity
- Complete kit including all hardware & instruction



INTERCOOLER WATER SPRAYER

Part #	Description
080140	Intercooler Water Sprayer Kit

Fuel Chiller System

The CryO²™ Fuel Chilling System takes fuel chilling to the next level! Four times more effective than “Cool Can” devices. Utilizes CO₂ for cooling, not ice. Internal tube/baffle design maximizes surface area complete with -4AN fuel fittings, -6AN fittings, mounting brackets, and hardware.



FUEL CHILLER SYSTEM

Part #	Description
080125	Fuel Chiller System

Cooling Tubes

CryO²™ Components

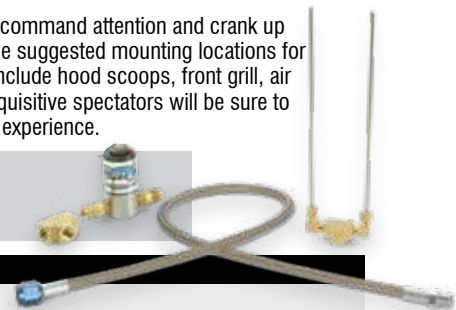
CRYO2 COMPONENTS

Part #	Description
080107	-4AN Tank Nut & Nipple to 320 CGA f
080135	Line Splitter (for dual IC sprayers or purges)
080200	Cryogenic Solenoid Valve
080201	Stainless Steel Braided Hose 14'-4AN f
080202	Stainless Steel Braided Hose 2'-4AN f & 1/8 NPT m
080204	Stainless Steel Braided Hose 1'-4AN f & 1/8 NPT m
080205	Stainless Steel Braided Hose 3'-4AN f & 1/8 NPT m
080206	Stainless Steel Braided Hose 5'-4AN f & 1/8 NPT m
080210	1/8 NPT f - 1/8 NPT f Brass Union
080211	1/8 NPT m Brass Connector Fitting
080213	-4AN Male x 1/8 npt f Fitting
080214	1/4npt f -4AN m Brass Fitting
080215	1/8npt m -4AN m Fitting
080216	“Y” block 1/8 NPT f all
080230	Full Wide Open Throttle Switch Kit
080231	Full WOT Switch Bracket
080232	Push Button Switch
080242	10 lb. Tank Mounting Bracket – short
080243	10 lb. Tank Mounting Bracket – tall
080250	Silicone Connector Sleeve Black 2.5” ID
080251	Silicone Connector Sleeve - Black 3” ID
170049A	Purge Plug - 1/8in NPT
120090H	NHRA Blow Off Burst Fitting + Disc & Harrison Valve

Purge Kits

A purge blast of CO₂ will turn heads, command attention and crank up the “wow” factor a few notches. Some suggested mounting locations for a CryO²™ single or dual purge valve include hood scoops, front grill, air vents and fender wells – anywhere inquisitive spectators will be sure to appreciate a new and different “cool” experience.

- Pre-assembled purge tubes
- Solenoid valve & fittings
- Stainless steel braided hose



PURGE KITS

Part #	Description
080300	Single Purge Vent (Assembled Tube Only)
080301	Dual Purge Vent (Assembled Tubes Only)
080302	Complete Single Purge Kit (w/ hose & solenoid valve)
080303	Complete Dual Purge Kit (w/ hose & solenoid valve)

Adjustable Timer Switch

- Control the flow of CO₂ & extend bottle life
- Separately adjustable on time/off time controls
- 0.2 to 30 second adjustable duration range
- Includes Timer Switch, wiring, terminals & installation instructions.

ADJUSTABLE TIMER SWITCH

Part #	Description
080203	Adjustable Timer Switch





Every car, truck, hot rod or homebuilt vehicle has a unique acoustic signature due to engine type, exhaust, tires, build quality as well as the effects caused by aftermarket accessories. This can create a hot, noisy, uncomfortable environment for the driver and passenger. Boom Mat has developed the highest quality materials to combat this problem, and to create a cool, comfortable interior for any vehicle.

We make it easy for you to have a cool, comfortable vehicle.

Many companies will tell you there is one miracle material to control both heat and sound. It's just not true. If battling both of these annoying things, there is a two step solution that is the right way to do it.

STEP 1... control the noise and vibration with high quality Boom Mat Damping Material. This adds mass to the metal surface eliminating vibrations and noise. Any damping material on the market does very little for heat control! No matter if it is spray-on or sheet material. It controls vibration and noise. Period.

STEP 2... Block all the heat coming through the fire wall, floor and roofs by using Under Carpet Lite over DEI damping material. This is the work horse product that keeps heat out and absorbs sounds within the cabin. Use Under Carpet Lite instead of carpet padding or jute material. These two steps are the proper, most effective way to get the greatest end result. A cool, quiet, comfortable interior.

Where to use...

FIREWALLS

Damping Material to control vibration
Under Carpet Lite to absorb sound & block heat
Floor & Tunnel Shield II to block out heat before it enters the vehicle

FLOOR BOARDS • TRANS TUNNELS

Damping Material to control vibration
Under Carpet Lite to absorb sound & block heat
Floor & Tunnel Shield II to block out heat before it enters the vehicle

DOOR SKINS

Damping Material to control vibration
Heat Moldable to barrier out sound & moisture
Speaker Baffles Protects speaker & enhance sound
D-Mat block radiant heat and reduce noise

FENDER WELLS

BOOM MAT FLEX
Protects inner fenders & dampens vibrations

ROOF

D-MAT INSULATION
Block radiant heat and reduce noise

HOOD

Under Hood Thermal Acoustic Liner
Protects hoods & paint from engine heat & reduces engine noise

SPEAKER DECK REAR BULK HEADS

Damping Material to control vibration
Under Carpet to barrier out sound
Speaker Baffles Protects speaker & enhance sound
D-Mat lightweight insulation & sound absorber

TRUNKS

Damping Material to control vibration
Leather Look to barrier out sound
Under Carpet to insulate barrier out sound
D-Mat block radiant heat and reduce noise

Some of the worlds best builders can't be wrong





VIBRATION DAMPING MATERIAL



Vibration Damping Material Boom Mat (2mm) & Boom Mat XL (4mm)

Premium quality damping material in two thicknesses; 2mm and 4mm, providing extreme noise damping for the most demanding commercial and sound competition applications. Interior panels vibrate and generate noise. Boom Mat stops that noise by trapping it between our thick, 4-mil aluminum stiffening top skin, and the asphalt free, pure butyl, noise constraining layer.

Plus worry-free no sag adhesion to any interior surface, vertical or overhead, even in the most demanding of temperature extremes. Those quality components are what make Boom Mat Vibration Damping Material require only 25-50% coverage to get the job done. This saves weight, material cost and installation time.

- Easy-Peel plastic release liner
Not paper backing that tears
- Enhances stereo performance & sound
- Gives you a quiet & comfortable interior
- Minimal prep & install time
- Performs in extreme temperatures

2MM BOOM MAT

Part #	Description
050200	12" x 12-1/2" (2 sheets) (2.1 sq. ft.)
050202	12" x 12-1/2" (4 sheets) (4.2 sq. ft.)
050204	12" x 12-1/2" (8 sheets) (8.3 sq. ft.)
050206	12-1/2" x 24" (6 sheets) (12.5 sq. ft.)
050210	12-1/2" x 24" (10 sheets) (20.8 sq. ft.)
050212	12-1/2" x 24" (20 sheets) (41.7 sq. ft.)
050214	12-1/2" x 24" (30 sheets) (62.5 Sq Ft)

4MM BOOM MAT

Part #	Description
050221	12-1/2" x 24" (2 sheets) (4.2 sq. ft.)
050222	12-1/2" x 24" (5 sheets) (10.4 sq. ft.)
050223	12-1/2" x 24" (10 sheets) (20.8 sq. ft.)
050224	12-1/2" x 24" (15 sheets) (31.25 sq. ft.)

Use as a first layer to control noise and dampen vibrations

2MM THICK BOOM MAT
4MM THICK BOOM MAT XL



Photo courtesy of Johnson's Hot Rod Shop • 50th Anniversary NSRA giveaway vehicle

Boom Mat Spray-On Damping Material

Spray-On damping is designed to reduce the vibration in hard to reach areas such as trunk interiors, fender wells, undercarriage, body panels, rear quarters and inside door panels.

- Lets you get into hard to reach areas
- Can be painted to match any color scheme
- Covers a huge 20 sq. ft. area
- Will seal out moisture preventing rust
- Saves time with a quick & easy install

BOOM MAT SPRAY-ON

Part #	Description
050220	18oz can 6 per master carton



PAINTABLE FINISH

Perfect for hard to reach areas where Boom Mat sheets are difficult to apply



BOOM MAT VIBRATION DAMPING MATERIAL



SUPERCHARGE YOUR SPEAKERS Speaker Upgrade Kit Two Speaker Kit

Boom Mat Speaker Upgrade Kit is the perfect solution for quickly improving speaker sound and performance by reducing vibrations and improving acoustics. Simply remove speaker, apply Boom Mat on metal mounting surface, and re-install speaker. It's that simple!

- Eliminate squeaks, rattles & improve acoustics
- Flexible – can be applied to irregular surfaces
- Unaffected by temperature extremes
- Works great on steel, fiberglass or plastic
- Easily trim to size, peel & stick



Remove speaker, apply material, re-install speaker

Kit Includes:

4 - 6" x 12.5" (2.1 sq ft) sheets of Boom Mat Damping Material.

SPEAKER UPGRADE KIT

Part #	Description
050199	Speaker Upgrade Kit

Vibration Damping Flex Damping Material

For applications that require a damping material that can conform to odd shapes and tighter bends than our standard Boom Mat. Boom Mat Flex can be used inside wheel wells, around tubing and pipes and other areas where the standard Boom Mat Aluminum may not conform easily. Made from 2.5mm thick Butyl rubber but with a clear poly surface.



- Conforms to odd bends and tight curves
- Use in wheel wells & around tubing & pipes
- 12" x 12" squares

FLEX DAMPING MATERIAL

Part #	Product Description
050228	2 - 12"x 12" squares (2 sq ft)
050225	4 - 12"x 12" squares (4 sq ft)
050227	10 - 12"x 12" squares (10 sq ft)



Boom Mat Decoupling Washers

Decouple bodies, gas tanks, fenders and more from engine and road vibrations. Viscoelastic elastomers act as a barrier between metals to dissipate vibrations, resonance and impact. Simply add washer between the metal surfaces. Multiple sizes available for any type of installation.



NEW PRODUCT

BOOM MAT DECOUPLING WASHERS

Part #	Product Description
050087	Washer kit (8 - 050092, 8 - 050091, 8 - 050090, 8 - 050088, 4 - 050089)
050088	15.24 ID x 29.51 OD
050089	13.48 ID x 63.5 OD
050090	13.48 ID x 26.98 OD
050091	10.31 ID x 31.75 OD
050092	10.3 ID x 20.63 OD
050085	4" x 6" Sheet Material



Boom Mat Tape

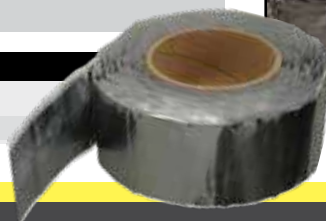
2mm thick Butyl with .004" Black Aluminum Face

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



BOOM MAT TAPE

Part #	Description
050215	2" x 20ft roll



Bundle & secure wires, hoses & more

Boom Mat Prep Spray

Seals and converts rusty metal and iron into the ideal primed surface ready for Boom Mat installation.

- Great primer to convert rust and iron
- Dries to a black paintable surface
- Great for body rust, trailers & more



BOOM MAT PREP SPRAY

Part #	Description
050491	16oz can





INSULATION & SOUND ABSORPTION

Interior Insulation & Sound Absorber Under Carpet Lite

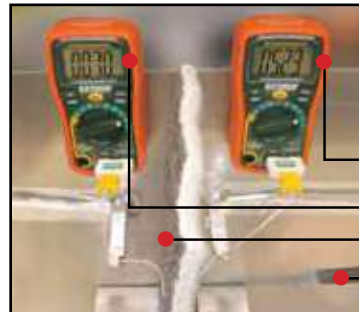
Use as a second layer to block 85% of heat and absorb sound.

Under Carpet Lite - UC Lite is a light weight, superior thermal insulating and sound absorbing material. This 1/2" thick multi-layer, high tech composite material is designed to be extremely flexible and easy to install. Self extinguishing and is .500" thick, UC Lite provides relief from scorching summer heat and brutal winter temperatures while absorbing annoying road, tire and exhaust noise. All in one economical, light weight insulating solution.

- Comfortable interior at any temperature
- Quick & easy installation
- Enhanced stereo performance & sound
- Economical insulating solution
- Light weight for high performance applications
- Density .70Kg/m²

Use Under Carpet Lite instead of jute or carpet padding to block 85% of heat & absorb noise

Insulates up to 85% of unwanted heat!



- 523°F unprotected side temp
- 70°F UC Lite protected side temp
- Under Carpet - UC Lite
- Heat Source



1/2" THICK!

Compresses to 1/4"

UNDER CARPET LITE

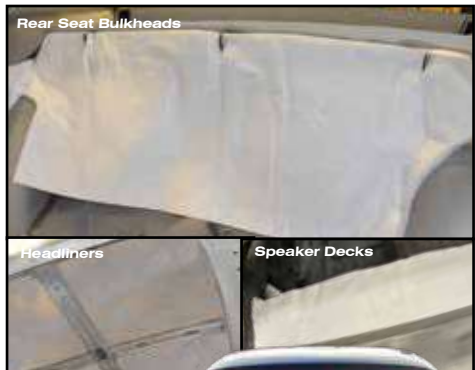
Part #	Product Description
050110	24" X 70" (11.6 sq. ft.)
050111	48" X 70" (23.3 sq. ft.)
050112	70" wide by the linear foot
050113	70" X 72" (35 sq. ft.)

Interior Insulation & Sound Absorber D-Mat Insulation

Insulation designed for under head liners, doors, package trays and other areas. Extremely light weight and pliable D-Mat is the perfect choice for these areas. At only 12MM thick and compressible it can be used under head liners providing thermal protection keeping your interior cool. Made from a polymer blend with a scrim backing D-Mat can be used in applications up to 325°F while showing up to an 65% reduction in heat. D-Mat has exceptional acoustic absorption, meets flammability rating and is mildew and bacteria resistant.

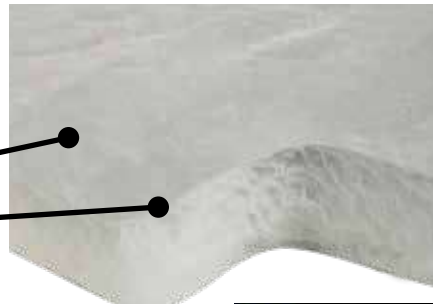
- Comfortable interior at any temperature
- Headliners, rear seat bulkheads, speaker decks, trunks, kick panels, doors & more
- Economical insulating solution
- Light weight for high performance applications

(* Not recommended for floor use. Use UC Lite for floors)



D-MAT INSULATION

Part #	Product Description
050410	D-Mat 60" x 40"
050411	D-Mat 60" x 70"
050412	D-Mat 60" wide by the linear foot



Scrim backing

Advanced polymer blend

1/2" thick (12mm) Compressible



Roadster Shop used DEI & Boom Mat to keep Road Rage Camaro cool & comfortable



HEAT & SOUND BARRIERS



Noise Barrier & Insulation Under Carpet

Under Carpet™ (UC) is a second layer sound deadening and insulation mat. The heavy duty, mass loaded barrier layer provides the density needed to block most exterior noise providing a quiet, theatre-like environment. The marine grade acoustic foam decoupling layer adds to both the acoustic and thermal insulating properties. When used in conjunction with Boom Mat Damping Material, you create the perfect combination of noise and vibration control.

Use as a second layer over Boom Mat to barrier out road and engine noise



ONLY 3/8" THICK!

- Maximum noise control
- A quiet & comfortable interior
- No mold or mildew issues
- Perfect combination of noise & vibration control

UNDER CARPET

Part #	Description
050100	24" X 54" (9 sq. ft.)
050101	48" X 54" (18 sq. ft.)
050102	54" wide by the linear foot

Heat Barrier Floor & Tunnel Shield II™

EXTREME HEAT BARRIER! 10 mil dimpled aluminum face with a glass fiber backing. It is self extinguishing and only a .3% moisture absorption. Withstands up to 1750°F of continuous radiant heat with an aggressive self-adhesive backing. Easy to use - simply trim, peel and stick. Use on fire walls, trans tunnels, floor boards, fuel cells and anywhere protection from heat is needed.

- 10 mil dimpled aluminum face
- Protection for engine components
- Protection for painted body panels
- Comfortable interior at any temperature
- Hi-temp adhesive for a "do-it-once" install

FLOOR & TUNNEL SHIELD II

Part #	Description
050507	21" X 24" (3.5 sq. ft.)
050508	21" X 48" (7 sq. ft.)
050509	42" X 48" (14 sq. ft.)



Trans Tunnels

ONLY 3/16" THICK!



Fire Walls



Above Exhausts

Leather Look gives trunks a custom finished appearance while keeping out annoying road noise!!

Use as a second layer over Boom Mat for the quietest ride possible with a finished leather look.

Leather Look • Noise Barrier & Insulation

Leather Look provides all the benefits of Under Carpet Sound Barrier with the addition of a finished leather look. Ideal as a second layer for exposed areas. Perfect uses include covering speaker boxes, package trays, trunks, door panels and headliners.

- Stylish finished appearance
- Maximum noise control
- A quiet & comfortable interior
- No mold or mildew issues

LEATHER LOOK SOUND BARRIER

Part #	Description
050120	24" X 48" (8 sq. ft.)
050121	48" X 48" (16 sq. ft.)
050122	48" wide by the linear foot

ONLY 3/8" THICK!

How do you keep things cool under the hood of a twin turbocharged Maverick? You use the great heat management products from DEI to keep things cool. We use their heat shielding in all of our builds.

GREENING AUTO COMPANY

JIMMY SHAW'S - 200 MPH '71 MAVERICK





SPEAKER BAFFLES

Speaker Baffles

- Maximize speaker performance by isolating the correct frequency responses
- Dampen vibration in sheet metal & panel-to-frame resonance
- Water tight protective shell to prevent moisture intrusion
- Closed cell polyethylene construction
- All sold in pairs



ROUND SPEAKER BAFFLES

Part #	Description	Width	Height	Depth
050310	4" Round	6"	6"	3-1/2"
050311	4" Round Slim	6"	6"	2-1/2"
050320	5-1/4" Round	6-1/2"	6-1/2"	4"
050321	5-1/4" Round Slim	6-1/2"	6-1/2"	2-1/2"
050330	6-1/2" Round	7"	7"	3-1/2"
050331	6-1/2" Round Slim	7"	7"	3"
050340	6-3/4" Round	7-1/2"	7-1/2"	5"
050341	6-3/4" Round Slim	7-1/2"	7-1/2"	3"

OVAL SPEAKER BAFFLES

Part #	Description	Width	Height	Depth
050350	4" x 6" Oval	8"	6"	3-1/2"
050351	4" x 6" Oval Slim	8"	6"	2-1/2"
050360	5" x 7" Oval	8-1/2"	7"	4-1/2"
050361	5" x 7" Oval Slim	8-1/2"	7"	3"
050370	6" x 8" Oval	9-1/2"	7"	5"
050371	6" x 8" Oval slim	9-1/2"	7"	3"
050380	6" x 9" Oval	10-1/2"	7-3/4"	4-1/2"
050381	6" x 9" Oval Slim	10-1/2"	7-3/4"	3-1/2"



Speaker Baffle Retail Display

Everything needed to grow profits in a easy to use and easy to set up POP display. The perfect value added product to increase sales.

SPEAKER BAFFLE RETAIL DISPLAY

Part #	Description
500300	Speaker Baffle Retail Display Kit Contents includes 10"x 18" retail display sign, "Stock Out" cards, 24" x 48" Boom Mat banner and 2 pair of each:
050310	4" Round
050311	4" Round Slim
050320	5-1/4" Round
050321	5-1/4" Round Slim
050330	6-1/2" Round
050331	6-1/2" Round Slim
050340	6-3/4" Round
050341	6-3/4" Round Slim
050350	4" x 6" Oval
050351	4" x 6" Oval Slim
050360	5" x 7" Oval
050361	5" x 7" Oval Slim
050370	6" x 8" Oval
050371	6" x 8" Oval Slim
050380	6" x 9" Oval
050381	6" x 9" Oval Slim

OPTIONAL SLAT WALL HOOK KIT

Part #	Description
500900	4 - 8" Hooks 12 - 6" Hooks

OPTIONAL: Slat Wall Hook Kit
Easily display speaker baffles on existing retail slat walls. (Baffles not included)



OPTIONAL GRID PANEL DISPLAY

Part #	Description
500910	4 - 8" Hooks 12 - 6" Hooks 24" x 60" Grid Panel Pair of Free Standing Legs 4 - Wall Mount Hooks 4 - Sign clips

OPTIONAL: Grid Panel Display
Display speaker baffles on black metal free standing or wall mount grid panel. (Baffles not included)

Perfect value added product Retail Display



INTERIOR HEAT & SOUND CONTROL KITS



All-In-One Interior Kits

Take the guess work out of thermal and acoustic control... All in one part number! A simple and cost-effective, universal-fit, sound deadening & thermal insulation kit.

STEP 1: Apply Boom Mat vibration damping material to remove structure borne vibrations, squeaks & rattles.

STEP 2: Apply Boom Mat Spray-On to reduce the noise and vibration in hard to reach areas

STEP 3: Apply Under Carpet Lite over damping material to block up to 85% of heat and absorb noise.



SMALL TO MEDIUM VEHICLES

Part # Description

050500 Boom Mat Interior Kit (Small to Medium Vehicles)

Kit Includes:

Boom Mat Damping Material (25 sq.ft.) (14 - 12.5" x 24" sheets)
6ft. x 70" Roll of Under Carpet Lite (35 sq.ft.)
Boom Mat Spray-On (18oz. can)

FULL SIZE VEHICLES

Part # Description

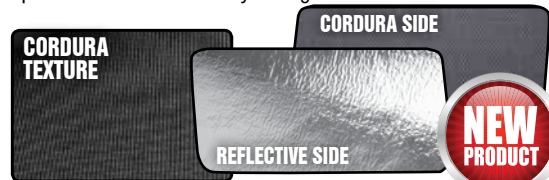
050499 Boom Mat Interior Kit (Full Size Vehicles)

Kit Includes:

Boom Mat Damping Material (41.7 sq.ft.) (20 - 12.5" x 24" sheets)
10ft. x 70" Roll of Under Carpet Lite (58.3 sq.ft.)
Boom Mat Spray-On (18oz. can)

Sprinter Van (2011-2018) Side Window Cover

Designed to keep your sprinter van cool during hot sunny days and warm on cool nights. One side is a reflective material that reflects the sun's heat keeping your van cool during the day. The opposite side is a soft Cordura. Flip that side facing out at night to keep the heat in your van when the temperature drops. The center is filled with super-efficient light weight insulation. Sewn in magnets make installation simple and easy. Just roll up when not in use for easy storage.



SPRINTER VAN SIDE WINDOW COVER

Part # Description

010760 107" Sliding Door Side Window Cover (Pair)
010761 Driver Side Window Cover
010762 Passenger Side Window Cover

Sprinter™ Van Insulation Kit (2011-2018)

If you own a Sprinter Van you know how cold, loud and tinny sounding they can be. Increase comfort with Boom Mat sound damping and insulation kit. Universal kits include enough insulation material to do either a short wheel base or long wheel base Van. Kits also include Boom Mat damping material and spray adhesive to complete the installation along with instructions.

- Comfortable interior at any temperature
- Quick & easy installation
- Economical insulating solution
- D-MAT thermal acoustic insulation
- Universal kit

SHORT WHEEL BASE KIT

Part # Description
050400 Short Wheel Base Kit

Includes 250 sq ft of DEI insulation, enough Boom Mat and Spray adhesive to complete the job.

LONG WHEEL BASE KIT

Part # Description
050401 Long Wheel Base Kit

Includes 350 sq ft of DEI insulation, enough Boom Mat and Spray adhesive to complete the job.

OPTIONAL FLOOR KIT - SWB

Part # Description
050402 Floor Insulation Kit

OPTIONAL FLOOR KIT - LWB

Part # Description
050403 Floor Insulation Kit



Custom Cut Sprinter™ Van Insulation Kit (2011-2018)

Pre-cut interior heat and sound control kits insulate and greatly improve comfort and acoustics in Sprinter vans. This kit is custom cut so no need for paper templating, or wondering where and how to install. A combination of our New D-Mat and Boom Mat damping material offers a light weight and affordable solution to combat heat and noise for Sprinter vans.

- Comfortable interior at any temperature
- Control heat/cold and vibrations
- Custom cut for quick easy installation



Custom Cut Insulation



170" WHEEL BASE KIT

Part # Description
050398 Wall & Ceiling Insulation
050397 Wall & Ceiling Damping Material
050396 Combo Kit
050395 Floor Insulation
050394 Floor Damping Material
050393 Floor Combo Kit





INTERIOR HEAT & SOUND CONTROL KITS

Vehicle Specific Pre-Cut Interior Heat & Sound Control Kits

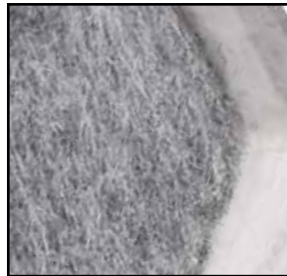
Design Engineering is leading the way with the most advanced thermal acoustic kits for vehicle specific applications. Using a combination of our new D-Mat ultra light weight insulation and sound absorber material, our proven Under Carpet Lite and 2mm damping material, we offer an effective and affordable 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 firewalls, headliners & other areas Ultra light weight Superior heat barrier



Camaro/Firebird 1967-1969

Design Engineering is leading the way with the most advance Thermal Acoustic control kits for your first Generation Camaro and Firebird F-body cars. Using a combination of our New D-Mat and our proven Under Carpet Lite we offer a light weight and affordable solution to combat heat and noise for your F-Body.

INDIVIDUAL PRE-CUT KITS	
Part #	Description
500404	Trunk Kit
500405	Package Tray Kit
500406	Trunk Divider Kit
500407	Floor Kit
500408	Roof Kit Coupe
500409	Kick Panel Kit
500410	Side Panel Kit
500411	Firewall Kit w/Factory AC
500412	Firewall Kit w/o Factory AC

COMPLETE INTERIOR PRE-CUT KITS	
Part #	Description
500400	Coupe w/Factory AC
500401	Coupe w/o Factory AC
500402	Convertible w/Factory AC
500403	Convertible w/o Factory AC

Mustang 1964 - 1966

The most advance Thermal Acoustic control kits for 1964 - 1966 Mustangs. A combination of our New D-Mat, our proven Under Carpet lite and Boom Mat damping material offers a lite weight and affordable solution to combat heat and noise for your Mustang.

INDIVIDUAL PRE-CUT KITS	
Part #	Description
5110001	Roof Kit
5110002	Floor Kit
5110003	Trunk Kit
5110004	Body Kit
5110005	Cowl Kit
5110006	Door Kit

COMPLETE INTERIOR PRE-CUT KIT	
Part #	Description
5110007	Complete Interior Kit



Photo courtesy of Roadster Shop

HEAT & SOUND CONTROL



Pre Cut Hood Insulation Kits

The perfect replacement for your worn out, dirty hood liner! DEI Hood Insulation Kits are custom cut and made from our Black Underhood material. It controls heat and sound and protects your paint from engine heat and chemicals. An aggressive adhesive backing makes an easy installation.



UNDERHOOD INSULATION KITS

Part #	Description
050124	'70 - '72 Chevelle (non-functional cowl)
050125	'68 - '69 Chevelle
050126	'67 Chevelle
050127	'66 Chevelle
050128	'64 - '65 Chevelle
050099	'67 - '69 Camaro - Z28, SS, Base
050098	'69 - '70 Mustang - Base, Mach 1, Grande, GT-350, GT
050097	'70 - '72 Chevelle - Base
050096	'69 - '74 Nova
050096	'71 - '74 Ventura - Base, GTO
050096	'73 - '74 Omega
050096	'73 - '74 Apollo
050095	'68 - '70 LeMans / GTO
050094	'65 - '67 LeMans / GTO
050093	'66 - '67 Nova



Miata Insulation Kit

Quiet your ride with our premium thermal insulating and sound absorbing under carpet kit. Whether your padding is worn out or you just want to upgrade our DEI Under carpet kit is made from our proven Under Carpet Lite material. At 1/2" thick, it's engineered multilayer construction blocks heat and absorbs engine and road noise. Pre-cut for an easy fit and quick installation.



1999-2005 MIATA FLOOR INSULATION KIT

Part #	Description
050295	1999-2005 Miata Floor Insulation Kit

Golf Cart Under Seat Insulation Kit

Gas powered Golf Carts generate a large amount of heat under the seat. This heat can be felt while driving and be very uncomfortable. DEI has developed a 9 piece comprehensive kit to solve this problem. Precut for an exact fitment and made from high quality thermal acoustic foam that is easy to install. Enjoy a cooler and quieter ride and make your Golf Cart more enjoyable to drive.

- Reduces discomfort from excessive heat
- Pre-cut for an exact fit
- Cooler, quieter ride
- Yamaha G Series Golf Carts 07-up



GOLF CART UNDER SEAT KIT

Part #	Description
010377	Golf Cart Under Seat Insulation Kit

VW Bug Floor Insulation Kit

Get a quiet ride with our DEI sound, heat and damping kit for you Beetle. We include our D-Mat insulation precut to fit you Beetle to give you a cooler quiet ride. Included in the kit is our Boom Mat damping material.

Fits Standard Beetle 1950-1972 & Super Beetle 1971-1972



VW PRE-CUT INTERIOR INSULATION KIT

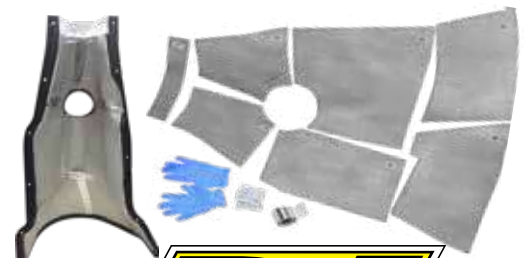
Part #	Description
5510015	VW Complete Insulation Kit

Triumph™ TR6/250 Gearbox Cover Heat Shield Kit

Gearbox cover Heat Shield Kit for Triumph TR6 and TR250 models. Kit consists of a high-heat resistant material, 3/16" thick for minimal clearance and rated to handle 1750°F. The material is die-cut into seven pieces that are applied to the inside of the gearbox cover to reflect heat from entering the interior. Aggressive adhesive for a peel and stick application.

TRIUMPH TR6/250 GEARBOX COVER HEAT SHIELD KIT

Part #	Description
010882	Triumph Gearbox Cover Kit





JEEP INTERIOR HEAT & SOUND CONTROL

Jeep® Wrangler Sound Deadening / Insulating Headliner

Riding in a Jeep is great fun except for the truck's propensity for interior noise that makes it difficult to hear conversations or enjoy your sound system. Now there is an easy solution. Boom Mat's new Jeep Wrangler Sound Deadening Headliner (available in two finishes) is a custom cut, peel and stick kit that dresses up the interior of Jeep hard tops while minimizing annoying outside noise. Constructed of high quality marine grade acoustical foam that resists mold and mildew while insulating from outside heat/cold and sound with an R4 value.



Reduces noise levels 3 - 4 decibels!

Reduces radiant heat from roof

Improves interior acoustics

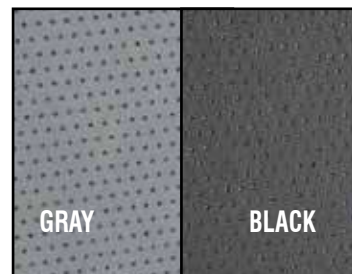
- Headliner reduces noise levels 3 to 4 decibels.
- A significant change in noise level that will make it easier to have conversations, enjoy your favorite music and insulating properties makes controlling interior heat and cold levels much easier.

Two finishes:

Original Texture Finish



Leather Look Finish



Sound Deadening / Insulation Jeep Wrangler Side Window Kits

Complete headliner installations with our Jeep Wrangler Side Window Trim kit. A great finishing touch for the interior of any Wrangler!

- The finishing touch that compliments your Jeep Sound-Deadening Headliner Kit
- Adds additional sound deadening & thermal insulation
- Original finish available in black, gray or white
- Leather Look available in black or gray



JEEP HEADLINER APPLICATION GUIDE

JK MODELS 2007-2018

HEADLINER KIT

2-Door	4-Door	Year	Finish	Color
050132	050131	'07-'10	Original	Black
050136	050135	'07-'10	Original	White
050134	050133	'07-'10	Original	Gray
050156	050155	'07-'10	Leather Look	Black
050158	050157	'07-'10	Leather Look	Gray
050138	050137	'11-'18	Original	Black
050142	050141	'11-'18	Original	White
050140	050139	'11-'18	Original	Gray
050160	050159	'11-'18	Leather Look	Black
050162	050161	'11-'18	Leather Look	Gray

SIDE WINDOW KIT

2-Door	4-Door	Year	Finish	Color
050152	050149	'11-'18	Original	Black
050153	050150	'11-'18	Original	Gray
050154	050151	'11-'18	Original	White
050165	050163	'11-'18	Leather Look	Black
050166	050164	'11-'18	Leather Look	Gray

HEADLINER & SIDE WINDOW COMBO KIT - 13 PIECE

2-Door	4-Door	Year	Finish	Color
050285	050290	'11-'18	Original	Black
050286	050291	'11-'18	Original	Gray
050287	050292	'11-'18	Original	White
050288	050293	'11-'18	Leather Look	Black
050289	050294	'11-'18	Leather Look	Gray



GLADIATOR MODELS 2019-UP

HEADLINER KIT

4-Door	Year	Finish	Color
050183	'20 - UP	Original	Black
050184	'20 - UP	Original	Gray
050185	'20 - UP	Original	White
050186	'20 - UP	Leather Look	Gray
050187	'20 - UP	Leather Look	Black



JL MODELS 2018-UP

HEADLINER KIT

2-Door	4-Door	Year	Finish	Color
050188	050168	'18- UP	Original	Black
050189	050169	'18- UP	Original	Gray
050190	050170	'18- UP	Original	White
050191	050171	'18- UP	Leather Look	Gray
050192	050172	'18- UP	Leather Look	Black

SIDE WINDOW KIT

2-Door	4-Door	Year	Finish	Color
050268	050173	'18-UP	Original	Black
050269	050174	'18-UP	Original	Gray
050270	050175	'18-UP	Original	White
050271	050176	'18-UP	Leather Look	Gray
050272	050177	'18-UP	Leather Look	Black

HEADLINER & SIDE WINDOW COMBO KIT - 13 PIECE

2-Door	4-Door	Year	Finish	Color
050280	050178	'18-UP	Original	Black
050282	050179	'18-UP	Original	Gray
050281	050180	'18-UP	Original	White
050283	050181	'18-UP	Leather Look	Black
050284	050182	'18-UP	Leather Look	Gray



TJ MODELS 1997-2006

HEADLINER KIT

Part #	Year	Model	Finish	Color
050143	'97-'06	TJ '97-'02 w/factory sound bar and '97-'06 with no roll bar speakers	Original	Black
050144	'97-'06	TJ '97-'02 w/factory sound bar and '97-'06 with no roll bar speakers	Original	Gray
050145	'97-'06	TJ '97-'02 w/factory sound bar and '97-'06 with no roll bar speakers	Original	White
050146	'03-'06	TJ w/factory speaker pods	Original	Black
050147	'03-'06	TJ w/factory speaker pods	Original	Gray
050148	'03-'06	TJ w/factory speaker pods	Original	White





HEAT & SOUND CONTROL PRODUCTS

Hi-Temp Spray Adhesive

Hi-Temp Spray Adhesive provides high strength adhesion and bonds a wide variety of materials, including trims, foams, fabrics and more.

NOTE: Ideal for adhering DEI Heat Screen, Under Carpet Lite, Under Carpet, Leather Look and other DEI and Boom Mat products.



HI-TEMP SPRAY ADHESIVE

Part #	Description
050490	10 oz can (12 per master carton)

Installation Tools

Boom Mat has a handle on what DIYers and professional installers need to quickly and expertly trim and install Boom Mat materials.



INSTALLATION TOOLS

Part #	Description
050216	Blade Lock Knife
050218	Installation Roller

Boom Mat Retail Starter Kit

Raise profits with thermal acoustic control products from Boom Mat. An easy sell and great add-on when installing stereo components to raise profits.

Complete starter kit to help take the first step into the thermal and acoustic control market. Includes the necessary products to get the job done right and to help you close the sale.

BOOM MAT RETAIL STARTER KIT

Part #	Product Description
500100	Boom Mat Retail Starter Kit

Kit Includes:

Qty.	Part #	Description
1	050202	12" x 12-1/2" (4 sheets)
2	050220	18oz Boom Mat Spray-On
1	050110	24" x 54" Under Carpet Lite
1	050130	32" x 54" Under Hood
2	050331	6-1/2" Slim Round Speaker Baffle
2	050381	6" x 9" Oval Slim Speaker Baffle
1	060603	Boom Mat Retail Display Board
1	060504	48" x 24" Boom Mat Banner
6	060526	Boom Mat Decal
2	500220	6" x 6" Sample Packs

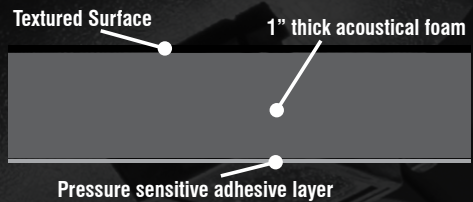
- Retail display board for customer education
- Banner to hang for brand recognition
- Samples to touch & feel quality
- Educational materials
- Decals



Sound Deadening / Insulation Universal Headliner Material

Universal Sound Deadening Headliner is now available in a 75" x 54" sheet. Peel and stick material can be used to dress up any interior while minimizing annoying outside noise. Constructed of high quality marine grade acoustical foam that resists mold and mildew while insulating from outside heat/cold and noise. Easy to cut to any shape.

- Adds additional sound deadening & thermal insulation
- Use to finish any interior panel
- Easy peel & stick
- 1" thick - With a black textured surface



HEADLINER MATERIAL - ORIGINAL FINISH

Part #	Description
050528	1" Headliner Black 75" x 54"
050534	1" Headliner White 75" x 54"
050535	1" Headliner Grey 75" x 54"
050536	.5" Headliner Black 75" x 54"
050538	.5" Headliner Grey 75" x 54"
050537	.5" Headliner White 75" x 54"

HEADLINER MATERIAL - LEATHER LOOK

Part #	Description
050539	1" Headliner Black 75" x 54"
050540	1" Headliner Grey 75" x 54"
050541	.5" Headliner Black 75" x 54"
050542	.5" Headliner Grey 75" x 54"

POWERSPORTS PRODUCTS



EXO Series™ Exhaust Wrap

EXO Series exhaust wrap is designed for extreme environment use. It is a dual-layer design, using a combination of hi-temp glass fiber, covered with a 304 grade stainless steel exoskeleton. This unique construction maintains high heat protection while offering superior abrasion and impact protection. Our unique Air Gap Technology keeps direct contact of the glass fiber wrap off the hot surface creating an insulating air barrier.



- Glass fiber wrap with 304 stainless exoskeleton
- Superior abrasion & impact protection
- Creates insulating air barrier
- Available in tan and black, in 1.5" width in 10', 20' and 30' rolls

EXO EXHAUST WRAP

Part #	Description
010075	1.5 x 10' Tan
010076	1.5 x 20' Tan
010059	1.5 x 30' Tan
010077	1.5 x 10' Black
010078	1.5 x 20' Black
010058	1.5 x 30' Black

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
- Great as an exhaust clamp
- Provides a clean transition from wrap to pipe.

WIDE BAND CLAMPS

Part #	Description
010214	2-3/8" (2.25" - 2.56" range)
010215	2" (1.88" - 2.19" range)

Complete Exhaust Wrap Kits

The perfect kit for most V-Twin applications! Each kit includes two 2" x 15' rolls of exhaust wrap, eight 8" & four 14" stainless steel Locking Ties to secure wrap and HT Silicone Coating spray that penetrates, seals, protects and preserves wrap.



EXHAUST WRAP KITS

Part #	Description
010330	Black Wrap w/Black HT Silicone Coating
010331	Tan Wrap w/Aluminum HT Silicone Coating
010332	Tan Wrap w/White HT Silicone Coating

ONYX Series™ Flexible Heat Shield

A heat shield solution that looks great and outperforms other conventional heat shields. The outer layer is a heat-treated glass fiber, bonded with molten aluminum and formed into a tight weave for durability and strength. The inside material is made of a specially treated, high temp resistant fabric (89% silica) designed to withstand serious exhaust heat. The outer edge is finished off with a surge stitch for durability. All hardware is stainless steel. Can handle heat up to 1350°F, with an eye catching black finish.



Stainless steel hardware

Standoffs create air gap for maximum heat dissipation



- More effective than traditional metal heat shields
- Enhanced protection for legs and boots
- Great custom look

ONYX FLEXIBLE HEAT SHIELD

Part #	Description
010496	4" x 8" Length

Flexible Heat Shield

The upgraded construction adds more rigidity with a cleaner look. Being flexible, these shields can be adjusted to fit a range of diameters. They work great as OEM replacements, over exhaust wrap, or even doubling up existing metal heat shields for the ultimate protection.

Each shield uses our reliable stainless standoff bracket and includes mounting hardware for easy installation. There a few color combinations to choose from: TITANIUM Series™ (bronze with brushed trim) ONYX Series™ (black with brushed trim), and ONYX Double Black.



- Blocks heat more effectively than stamped metal shields
- Great Protection for shorter riders
- Semi-flexible material for easy fitment on almost any exhaust
- Stainless Steel mounting hardware included
- Dual layer high-temperature textile materials

FLEXIBLE HEAT SHIELDS

Part #	Description
010900	ONYX Series Black 3.5" x 6.5"
010901	TITANIUM Series 3.5" x 6.5"
010902	ONYX Series Black 4" x 8"
010903	TITANIUM Series 4" x 8"
010926	ONYX Double Black 3.5" x 6.5"
010927	ONYX Double Black 4" x 8"





POWERSPORTS PRODUCTS

HT Silicone Coating™

Recommended for use with DEI Exhaust Wraps, HT Silicone Coating penetrates, seals, protects and extends the lifespan of exhaust wrap.

- Protection from abrasions, hot oil & grime
- Heat protection up to 1500°F
- For use on exhaust wraps, engine blocks, pipes, manifolds & more
- 12 oz. can (6 cans in a case)
- Cure temperature 400°F (two hour cure time)

HT SILICONE COATING

Part #	Description
010300	Assortment case 2 cans each (Black, Aluminum & White)
010301	Black
010302	Aluminum
010303	White



Pipe Wrap & Locking Tie Kit

Great for spot heat protection! Use when headers are close to plug wires, or sections of exhaust pipe that run close to body panels, turbo down pipes or motorcycle pipes to prevent burns!

Kit includes one roll of 2" x 25' exhaust wrap & four 8" stainless steel locking ties to secure wrap. Available in Black, Tan and TITANIUM

PIPE WRAP & LOCKING TIE KIT

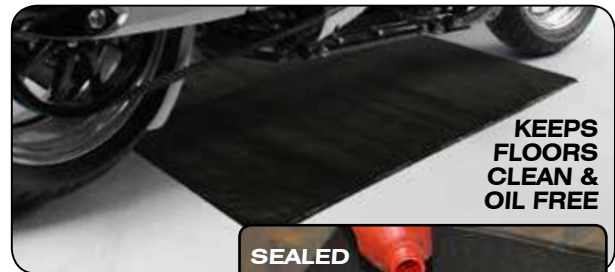
Part #	Description
010119	Black
010122	Tan
010123	TITANIUM



Oil Rug

Protect floors, work areas, work benches - anywhere there's a potential of oil spills or leaks, and makes clean up easy. Contains and absorbs oil spills under vehicles, motorcycles, around machinery, under leaking equipment, work benches and other maintenance areas. They absorb hazardous and non-hazardous materials including oil, petroleum and glycols.

Absorbent felt face, a hydrophobic material and backed with a barrier layer to contain the fluids. Edges are sealed to contain contaminants and can absorb over 16 ounces of fluid per sq ft.



KEEPS FLOORS CLEAN & OIL FREE

SEALED EDGES CONTAIN SPILLS



OIL RUG

Part #	Description
010750	12" X 18" Oil Rug
010751	18" X 24" Oil Rug
010752	29" X 48" Oil Rug



- Keeps oil contained
- Absorbs spills and drips
- 3 different sizes

Can-Am® MAVERICK XC 2-Seater Heat & Sound Control Kit

Many ATV/UTVs have heat issues. Including the CanAm Maverick. DEI Powersports now offers a heat shield kit that reduces the console and seat temperatures as well as blocking radiant heat in the cup holder and drivers right leg area. Installation is straight forward and these durable shields will increase the riding comfort for you and your whole crew.

- Fits 2014-2018 Maverick Sport XC 2 seater
- Blocks heat build up in the cockpit area
- Reduces engine noise & vibration
- Adhesive backed & precision cut
- No modifications are needed for installation



CAN-AM MAVERICK HEAT SHIELD KIT

Part #	Description
010885	Maverick Heat Shield Kit



POWERSPORTS PRODUCTS



Honda® Pioneer™ 1000-5 & 1000-3 Heat Shield Kit

Tired of feeling the burn from your Honda® Pioneer? DEI Powersports now offers a heat shield kit that reduces the seat temperatures as well as blocking the heat radiating up through the seat belt holes. Also included, are two additional shields that protect the rear passenger foot well area. Installation is straight forward and these durable shields can be removed when its time for service. This kit will increase the riding comfort for you and your whole crew.



- Blocks excessive heat from the engine bay
- Lowers temperatures on the seat and middle plastic panel
- Includes foot well protection for the rear passenger
- Easily removable for service
- Fits: 2015-18 Honda Pioneer 1000-5 & 1000-3 model



HONDA PIONEER HEAT SHIELD KIT

Part #	Description
010874	Front Seat & Rear Footwell Heat Shield Kit

Honda® Pioneer™ 1000-5/1000-3 Auxiliary Fan Kit

DEI now offers an auxiliary fan system to help evacuate the hot air that gets trapped in the engine compartment on the Honda® Pioneer. A programmable thermostat reads real time temperature and allows you to set the fan activation temperature. The compact 3" marine grade fan quickly draws down the excessive heat generated by the engine and exhaust system. No cutting or splicing is need for installation.



- Evacuates trapped hot air
- Programable thermostat
- Marine grade fan assembly
- No cutting or splicing required

HONDA PIONEER FAN KIT

Part #	Description
010875	Auxiliary Fan Kit 2015-up

Polaris® RZR™ Heat Shield

- RZR 800, 800s 2008 - 2014
- High performance
- Precision cut for easy fit



POLARIS RZR HEAT SHIELDS

Part #	Description
010879	Cargo Heat Shield
010880	Engine Heat Shield

Polaris® Slingshot™ Heat Control Kit

The Slingshots 4 cylinder engine, muffler, catalytic converter, and exhaust manifold all reside in close proximity to one another on the right side of the vehicle. This concentration of heat easily transfers into the passenger area, cooking the floor and cockpit area. This 11 piece heat control kit blocks the heat transfer into the cockpit, resulting in a cooler and quieter Slingshot.

- Comprehensive 11 piece kit
- Pre-cut pieces for easier installation
- Passenger shield is double walled for maximum insulation

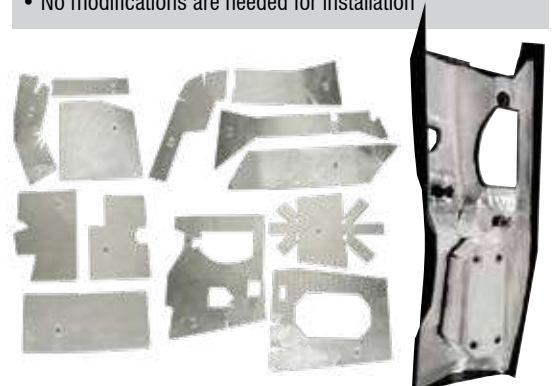


POLARIS SLINGSHOT HEAT SHIELD KIT

Part #	Description
010089	2015-2016 Slingshot Heat Control Kit

Can-Am® Commander™ Heat Shield Kit

- All 2 seat models 2011-2017
- Blocks heat build up in the cockpit area
- Reduces engine noise & vibration
- Adhesive backed & precision cut
- No modifications are needed for installation



CAN-AM COMMANDER HEAT SHIELD KIT

Part #	Description
010878	Heat Shield Kit



POWERSPORTS PRODUCTS

Bodywork Protection Kit

The perfect kit to help protect against excess heat on any powersports vehicle. It includes a combination of DEI's lightweight, reflective materials sized for powersports applications. Great for use on fairings, air boxes, seat pans, rear fenders. All materials have a self-adhesive backing and can be easily trimmed and formed to irregular shapes.

Each kit includes: one 12" x 24" Reflect-A-Cool sheet, one 1 1/2" x 15ft roll of Cool Tape™, and two 10" x 10" sheets of Extreme Heat Barrier.

Great for:

- Roadracing bodywork
- Replacing old OEM shielding
- Additional heat protection



BODYWORK PROTECTION KIT

Part #	Description
010329	Bodywork Protection Kit

Golf Cart Muffler Shield Kit Yamaha 2007 & Up

During idling, the heat from the muffler can make the seat quite uncomfortable. DEI's wrap-around muffler shield kit keep the excess heat from getting to the seat. In addition, the muffler shield also suppresses the sound and vibration, resulting in a cooler and quieter cart. Installation is easy with basic hand tools and can be performed with the muffler still on the cart.

- Reduces discomfort from excessive muffler heat
- Easy install - No need to remove muffler



GOLF CART MUFFLER SHIELD KIT

Part #	Description
010385	Muffler Shield Kit Yamaha G29 Golf Cart 2007-2014
010386	Muffler Shield Kit Yamaha G29 Golf Cart 2015 & up

Under Tank Heat Reflection Kit

- Race fuel manufacturers recommend using reflective materials to help keep fuels stable.
- Helps prevent vapor lock on hot days
- Line the underside of your fuel tank with self-adhesive Reflect-A-Cool™ (normal use) or Reflect-A-GOLD™ (extreme use) material and trim to shape.
- Each kit includes a 24" x 24" sheet of material along with a 1 1/2" x 15ft roll of heat reflective tape to cover seams & irregular shapes.



UNDER TANK HEAT REFLECTION KIT

Part #	Description
010463	Reflect-A-Cool Kit
010464	Reflect-A-GOLD Kit

Fuel Tank Cover

- Race fuel manufacturers recommend keeping fuel cool
- Maintain stable fuel temperatures between sessions
- Made from a 2mm felt backed Mylar material and is capable of reflecting up to 90% of the sun's heat
- Fast on & off, perfect for the paddock
- Reflects heat from the sun
- Helps prevent vapor lock



FUEL TANK COVER

Part #	Description
010465	Fuel Tank Cover

Motorcycle Leg Shield

Exhaust burns and heat are the worst! Riding your motorcycle can get uncomfortable and dangerous because of how close your leg can get to searing exhaust pipes. DEI has developed a simple solution to protect your leg against burns and make riding more comfortable. This insulated leg protector is easy to slip on and off so when you are done riding, you pull it off and ready to go. Fully adjustable and large enough to fit over leathers and riding gear.

- Prevents leg burns
- Leather outer shell with insulated inner layer
- Measures 8" x 10"

MOTORCYCLE LEG SHIELD

Part #	Description
011016	Motorcycle Leg Shield



MARKETING & APPAREL



Vinyl Banners

Measures 48" x 24", these heavy mil vinyl banners have double-stitched edges and brass eyelets in each corner.



VINYL BANNERS

Part #	Description
060501	4 Color DEI Banner
060504	Boom Mat Banner

Decals

DECALS

Part #	Description
060529	DEI Decal 3.4" x 10"
060522	Cryo2 Decal 9" x 3"
060526	Boom Mat Decal 7" x 3"
060527	DEI Decal 5.5" x 1.5" 100 pack



DEI HAT

Part #	Size	Fits
070300	CRYO2 Black Hat	One size fits all
070303	DEI Black Hat	One size fits all

Retail Product Display Boards

Measuring 12" x 18", this product display board gives your customer all the information they need at the point of purchase, to make an informed decision and make the buying process easy.

RETAIL PRODUCT DISPLAY BOARD

Part #	Description
060600	Exhaust & Accessories
060601	Heat & Sound Barrier
060602	Line & Hose Protection
060603	Boom Mat Thermal Acoustic
060604	Jeep Headliner
060611	GOLD Materials



Sunglasses

FLAME SUNGLASSES

Part #	Description
070202	Black w/Red Flames



T-Shirts

Boom Mat "Thermal Acoustic Control" design T-shirts.

This high quality T-shirt is made of 100% cotton and is pre-shrunk.

T-SHIRTS

DEI COOL	BOOM MAT	Size
070170	070131	Medium
070171	070132	Large
070172	070133	X-Large
070173	070134	XX-Large
070174	070135	3X-Large
010175		4X-Large





Part #DEIFL0120

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