AcoustiSHIELD®
Automotive Thermal Acoustic Insulation

Roof to Road Solutions to Control Passenger Cabin Noise, Vibration and Heat

• Reduce Road Noise
• Reduce Exhaust Harmonics
• Eliminate Mechanical Noise
• Stop Body Panel Vibration
• Reduce Radiated & Reflected Heat
• Stop Audio System Vibration

Pre-Cut Ready to Install Kits
Year • Make • Model Specific

The Coolest Cars Have QuietRIDE Inside!™

Firewall Insulator
Fits under dash against the firewall bulkhead. (Sold Separately)

Rear Cab Kit

Floor Kit
Front Floor, Rear Floor, Transmission Hump/Driveline

Roof Kit
Roof & Quarter Panels above beltline.

Cowl Kit
Panels between the firewall and front door of the vehicle.

Door Kit
All Doors

Everything in One Box to Do the Job Right!
Pre-Cut, Ready To install Kits are Year, Make and Model Specific and include:
• Dynamat Xtreme
• Heat Shield Barrier Insulation
• Spray Adhesive • Seam Tape
• Illustrated Instructions

For more information contact us at: info@quietride.com
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1936-98
Mack Truck Catalog

Order Line: 888-777-3410
Tech Line: 209-942-4777
Fax: 209-942-4476
6507 Pacific Avenue Ste. 334 Stockton, CA 95207

6-1-2017
Introducing a multi-stage, automotive insulation and sound damping system to give Mack trucks the “quiet riding comfort” found in today’s new cars. AcoustiSHIELD kits are designed on current “state-of-the-art” auto acoustic technology, to insulate and control the noise, vibration and heat in the passenger cabin. Kits are pre-cut and come with easy-to-follow installation instructions----everything you need to do the job right.

**Turn Your Mack Truck into “Quiet Riding Comfort”**

**Stage 1**  
Sound Damper Pads

The first stage consists of pre-trimmed, self-adhesive, Sound Damper Pads, bonded to strategically located trouble spots on the floor pan and roof of the vehicle to control body panel vibration and noise. These spots are mapped and labeled in detailed instructions which are included in the kit.

**Stage 2**  
Heat Absorber/Barrier Panels

The second stage uses a high-tech absorber/barrier material, bonded to the body panels, to both sound deaden and insulate the vehicle from radiant heat penetration from the engine and road. Each absorber panel is cut to the correct shape and contour and is mapped and labeled in the detailed instructions.

**Kits Include:**
- **Stage 1** Pre-Sized Sound Damper Pads
- **Stage 2** Pre-Trimmed Heat Absorber / Barrier Panels, Spray Adhesive and Sealing Tape
- **Complete Illustrated Installation Instruction**
1955-1966 Mack Model B-13 Complete AcoustiShield Insulation Kit
MACKB13-5556-TAK

- Truck Cowl Kit
- Truck Floor Kit
- Truck Roof Kit
- Truck Rear Cab Kit

1955-1966 Mack Model B-13 Truck Complete Kit
MACKB13-5556-TAK
685

- Truck Floor Kit
MACKB13-5556-TFK
255

- Truck Roof Kit
MACKB13-5556-TRK
175

- Truck Cowl Kit
MACKB13-5556-TCK
101

- Truck Rear Cab Kit
MACKB13-5556-TRCK
147

Other Related Parts For This Vehicle (Sold Separately)

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
<th>Price</th>
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<tr>
<td>MACKB67 5566-T</td>
<td>1955-1966 Mack Model B-67 Firewall Insulator</td>
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<tr>
<td>MACKB13 5566-TDF</td>
<td>1955-1966 Mack Model B-13 Truck Defroster Duct</td>
<td>153</td>
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<td>MACKB13 5566-TRFM</td>
<td>1955-1966 Mack Model B-13 Truck Rubber Floor Mat</td>
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<td>MACKB13 5566-TRCC</td>
<td>1955-1966 Mack Model B-13 Rear Cab Cover</td>
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<tr>
<td>MACKB 5566-TGB</td>
<td>1955-1966 Mack Model B Molded Glove Box</td>
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1955-1966 Mack Model B-67 Firewall Insulator

1955-1966 Mack Model B-13 Rear Cab Cover

1955-1966 Mack Model B Molded Glove Box

1955-1966 Mack Model B-13 Truck Defroster Duct

1955-1966 Mack Model B-13 Truck Ribbed Rubber Floor Mat
## 1955-1966 Mack Model B-67 Complete AcoustiShield Insulation Kit

- **Complete AcoustiShield Insulation Kit**
  - MACKB67-5556-TAK

- **Truck Cowl Kit**
  - MACKB67-5556-TAK

- **Truck Floor Kit**
  - MACKB67-5566-TFK

- **Truck Roof Kit**
  - MACKB67-5566-TRK

- **Truck Rear Cab Kit**
  - MACKB67-5566-TRCK

- **Truck Engine Cove Kit**
  - MACKR-6605-TD-DBIK-2

### Other Related Parts For This Vehicle (Sold Separately)

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Description</th>
<th>Price</th>
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<td>MACKR-6605-TD-DBIK-2</td>
<td>1966-2005 Mack Model R Truck Door Kit-2-Door</td>
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### Additional Parts

- **1955-1966 Mack Model B Molded Glove Box**

- **1955-1966 Mack Model B-67 Firewall**
1966-2005 Mack Model R Complete AcoustiShield Insulation Kit
MACKR-6605-TAK

- Truck Cowl Kit
- Truck Floor Kit
- Truck Roof Kit
- Truck Rear Cab Kit
- Truck Door Kit

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<th>Part Number</th>
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<td>MACKR-6605-TRK</td>
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<td>MACKR-6605-TDDBIK-2</td>
<td>1966-2005 Mack Model R Truck Door Damper/Barrier Kit--2-Doors</td>
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</table>
1988-1998 Mack
Model CH
Complete AcoustiShield Insulation Kit
MACKCH-5556-TAK

Truck Cowl Kit
Truck Floor Kit
Truck Roof Kit

Truck Rear Cab Kit

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<td>ASU-DBBIK-2</td>
<td>Universal 2 Door Damper Kit</td>
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Other Related Parts For This Vehicle (Sold Separately)

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<tr>
<th>Part Number</th>
<th>Description</th>
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<td>MACK8998CH-T</td>
<td>1988-1998 Mack Series CH Truck Firewall</td>
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Typical Mack Truck Pre-Cut, Ready to Install Insulation Kits

1955-66 Mack B-13 Firewall

<table>
<thead>
<tr>
<th>Floor</th>
<th>Cowl</th>
<th>Rear Cab</th>
<th>Roof</th>
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N/A
AcoustiSHIELD®
Automotive Thermal Acoustic Insulation

A Roof to Road Solution to Control Passenger Cabin Noise, Vibration and Heat™

AcoustiSHIELD Product Description
AcoustiShield is a two-stage thermal acoustic automotive insulation product designed to control Noise, Vibration and Heat—the three major issues that affect passenger cabin comfort. Kits include pre-cut, ready-to-install Dynamat Xtreme® damper pads and HeatShield Barrier Insulation panels which are packaged separately for easy installation. Kits come with uniquely illustrated installation sheets, spray adhesive and seam tape.

Complete Acoustic Kits insulate the Cowl, Floor, Roof, Trunk Floor, Doors and Body Panels, which includes the seat divider, package tray and rear wheel wells. The installation of a complete AcoustiShield kit typically will reduce passenger cabin noise by 12 to 17 decibels. To put this in perspective, a 10-decibel reduction is a 50 percent reduction in noise that the human ear can easily detect. Barrier insulation will reduce radiant heat by as much as 25 degrees.

AcoustiShield is a Two-Stage Process

Stage-One of the AcoustiShield process is the application of small pre-cut Dynamat Xtreme® damper pads and strips to auto body sheet metal to greatly reduce the vibration and noise produced by these panels from entering the passenger cabin.

Stage-Two of the AcoustiShield process is the application of pre-cut HeatShield Barrier Insulation panels to the auto body sheet metal to encapsulate any remaining vibration/noise and to thermally insulate the vehicle.

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**Expanded NVH Reference Information:**
Cars and trucks make and/or absorb noise, vibration and heat (NVH) from multiple directions--including internal and external air-borne noise, structure-borne noise as well as radiant heat. NVH factors to consider:

- Engine NVH travels back from the front of the vehicle through the firewall and cowl.
- Wheel well trunk and rear body panel NVH travels forward through the seat divider and package tray panels.
- Roadway radiant heat, often exceeding 140 degrees, rises through vehicle floor pans.
- Rumbling performance exhaust systems and transmission/drive line harmonics also rise through vehicle floor pans.
- Direct heat from the sun penetrates the roof of the vehicle.

All of these influences “Apex” in the middle of the passenger cabin at ear level.

**Add the noise produced by the sound system; the air rushing through the vents from the HVAC system; and a normal conversation builds into a “shouting match” between the driver and passenger to overcome the “harmonic drone” of vehicle mechanics.**

**AcoustiShield Photo Gallery**

Typical Cowl Panel Sound Dampening and Thermal Barrier Insulation.

Typical Trunk Floor Sound Dampening and Thermal Barrier Insulation.
Typical Floor Panel Sound Dampening and Thermal Barrier Insulation.

Typical Roof Panel Sound Dampening and Thermal Barrier Insulation.

Typical Body Panel Sound Dampening and Thermal Barrier Insulation.
Made Right---Fit Right---Look Right
OEM Original Products

Firewall Insulator products are pre-cut and ready to install with standard OEM accessory and mounting holes punched for restoration applications. Each unit has period correct insulation.

Firewall Insulators are also available without holes for aftermarket HVAC systems and Street Rod and Custom installs.

ABS Leather Grain Material

“Ultra High Definition” Vinyl Rubber

Street Rod Firewall Insulator
Direct Sheetmetal
Absolute Sheetmetal

Quick Link

ABS “Chicken Track” Material
Product Description—
ABS “Chicken Track Grain”
Early Ford Original Equipment Firewall Insulators

Production Period—FOMOCO: 1928 through 1948
Production Period--Some Early Mopar Vehicles

FOMOCO cars and trucks used a unique “chicken track” texture on their firewall insulator covers and related products from 1928 through 1948. Quiet Ride has faithfully reproduced this famous texture and offers it exclusively on its ABS molded firewall insulators and truck headliners, cowl and door panels. Each insulator product is molded with an ABS material and ready-to-install with Heat Shield Thermal Barrier insulation, factory stock accessory holes and mounting pin locations punched.

Ford style steel mounting pins are not included but are available for separate purchase as needed.

ABS Firewall Cover
Chicken Track Grain Material

Each insulator product is molded from an “out of the car” original firewall for contour and accuracy.
Year-Make-Model Specific.

Firewall Insulators can be ordered without holes for custom applications.
Product Description—
ABS “Leather Grain”
Original Equipment Firewall Insulators

Production Period—GM and MOPAR: 1926 through 1976
Production Period—FOMOCO: 1949 through 1979

Most OEMs used a leather grained firewall cover on their cars and trucks from 1926 through 1965. Each insulator product is molded with ABS material and ready-to-install with factory stock accessory holes and mounting pin locations punched.

Kits does not include mounting pins. Quiet Ride has an assortment of “universal” mounting pin styles available as needed.

Mounting pins are not included but are available for separate purchase as needed.

Firewall Insulators can be ordered without holes for custom applications.
Product Description—

“Ultra High Definition Vinyl Rubber“

Original Equipment Firewall Insulators
for General Motors Cars and Ford Cars and Trucks

Production Period—GM: 1964 to present
Production Period—FOMOCO: 1964 to present

FOMOCO and General Motors began using a rubber based firewall material in 1964 with the introduction of the Mustang, Chevelle family and Camaro Cars. Quiet Ride molds these products using a “Ultra High Definition” vinyl rubber. It comes ready to install with a Heat Shield Thermal Barrier insulation pad. Factory stock accessory holes and mounting pin locations are punched.

Kits include appropriate period mounting pins.

Each insulator product is molded from an “out of the car” original firewall for contour and accuracy.
Year-Make-Model Specific.

Firewall Insulators can be ordered without holes for custom applications.
Product Description—Street Rod Firewall Insulators

Direct Sheetmetal
Absolute Sheetmetal (formerly Bitchin Products)

Production Period—FOMOCO: 1928 through 1956
Production Period--GM: 1936 through 1972

Street Rod Firewall Insulators are based on the steel after-market firewalls that are manufactured by Direct Sheetmetal and Absolute Sheetmetal (formerly Bitchin Products) to stop the heat and noise generated by large engine installed in smaller, older vehicles. Each insulator product is molded with ABS Leather grain material to fit the steel engine and transmission recess “like a glove.” All street rod products are year, make and model specific, and come ready to install with a double layer of Heat Shield Thermal Barrier insulation pad.

There are no mounting holes or accessory cut-outs so customers can achieve that “smooth” look in the engine bay and passenger compartment.

Customer must decide method of installation. Quiet Ride makes a Street Rod mounting pin kit, available separately.
## Thermal Insulation Types

### Original Equipment Firewall Insulators
- General Motors Cars and Trucks
- Ford Cars and Trucks
- MOPAR Cars and Trucks

<table>
<thead>
<tr>
<th>Type</th>
<th>Use</th>
<th>Applications</th>
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<tbody>
<tr>
<td>Black Fiberglass Insulation</td>
<td>Typically used in vehicles 1949 through 1977</td>
<td>• ABS Firewall Insulators</td>
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<tr>
<td>Heat Shield Barrier Insulation</td>
<td>Typically used in vehicles 1928–48 and Vinyl Rubber Firewalls 1964–present</td>
<td>• Street Rods&lt;br&gt;• Custom Firewalls</td>
</tr>
</tbody>
</table>

## Concours Show Quality

Authentically Correct---“Fit like a Glove”---Easy to Install

All QRS Products, Materials and Craftsmanship Meet or Exceed OEM Quality Standards

No customer has ever reported losing judged points on our firewall products.
Firewall Insulators--A Historical Perspective

The Firewall Insulator is the first line of defense against automotive Noise, Vibration and Heat that is generated in the engine bay of the vehicle.

QRS manufactures more than 600 firewall products for antique, classic, custom and street rod cars and trucks. The company has developed these products based on “out of car” original insulator pads that have been supplied by its customers. QuietRide Firewalls Insulators are exact reproductions of OEM products.

Most firewall insulators made between 1928 and the mid-1960s were constructed with an oil impregnated cardboard cover in combination with a number of insulation materials. In 1964 General Motors and Ford Motor Company began using a “spray-on” rubber material bonded to a thin layer of “shody” insulation.

All of the company’s firewall products are vacuum form molded to fit the firewall and transmission contours exactly. They are digitized and manufactured on its Flow Water Jet Cutting System for accurate fitting. Each firewall cover is backed with period correct insulation which could include a black fiberglass or HeatShield barrier insulation.

Firewall Colors and “Sheen”

Just a word about the “look” of your old firewall in comparison to a new one--you may may note that the new firewall does not look the same as your original--because of the “sheen.” The firewall insulator in a car built in the 1930s or 40s is now at least 70-80 years old and is dirty and dingy. When the vehicle came off the assembly line, all of its component parts were crisp, clean and sparkling fresh.

With few exceptions, firewall insulators were black when they came from the factory. There were some exceptions in the General Motors product line from 1933 through 1941 in which the firewall insulators were a “mocha brown” color. The firewall color would typically match the color of your clutch, brake and accelerator pedal rubber pads.
# Mounting Pins and Clips

American Cars and Trucks used a wide variety of mounting pins, clips, buttons and screws to attach the firewall insulator to the interior of the steel firewall bulkhead. Clean up and reuse your original mounting pins if you have them. We offer the following mounting pins and information based on what we have been able to find available.

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<tr>
<th>Part Number</th>
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<td>LMAP-10</td>
<td>Universal Mounting Pin</td>
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<td>LMC-WPL-10</td>
<td>Universal Wire Cap Mounting Pin—Long</td>
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<td>LMC-MPS-10</td>
<td>Universal Wire Cap Mounting Pin—Short</td>
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<td>Universal Upholstery Panel Pin Set</td>
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<td>FORD 2541-1-MPS</td>
<td>Early Ford Firewall Mounting Pin—Short</td>
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<td>FORD RH-MP</td>
<td>Late Model Ford Firewall Mounting Pins—Rubber Bullet Style</td>
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<td>GM 5500-MP</td>
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<td>R-83-56</td>
<td>Early and Mid-Year 1932 Ford</td>
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<tr>
<td>R-87-31</td>
<td>Ford Original Shoulder Bolts for mid-to-late 1932 through 1935 Cars/Trucks</td>
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[Image]