Part# EZ-F02

Every EZ Shields part allows the Car Enthusiast to showcase their fabrication skills while leveraging EZ Shields design expertise!

Installing the EZ Shields starter/solenoid heat shield

Designed to fit: Ford – Mini PMGR Starter – High Torque
Vehicles from 1990 to 2002.
3.8L, 4.2L, 4.9L, 5.0L, 5.8L
While specifically designed for the PMGR Mini starter, this versatile design fits a wide variety of Ford starters.

Step 1: Orient the EZ Shield with the smaller section to the right and positioned as shown in Figure A.

Figure A

Questions:
Review the FAQ section of the ezshields.com website for answers to the most frequently asked questions about our products!

Additional questions or concerns:
Feel free to contact the EZ Shields technical team at tech@ezshields.com with any additional questions or concerns. We love to get feedback concerning our products.

Step 2: Roll a curvature into the portion of the heat shield that will cover the solenoid. Fit the curve to the shape of the starter solenoid (See Figure B).

Figure B

Figure C

Tip: It works well to form the curvature over the top of an aerosol spray paint can. Pliers can be carefully utilized along the edges for extra leverage (See Figure C).

Continue working with the curvature till it fits to the shape of the starter solenoid while maintaining 1/4” clearance (See Figure D and E).

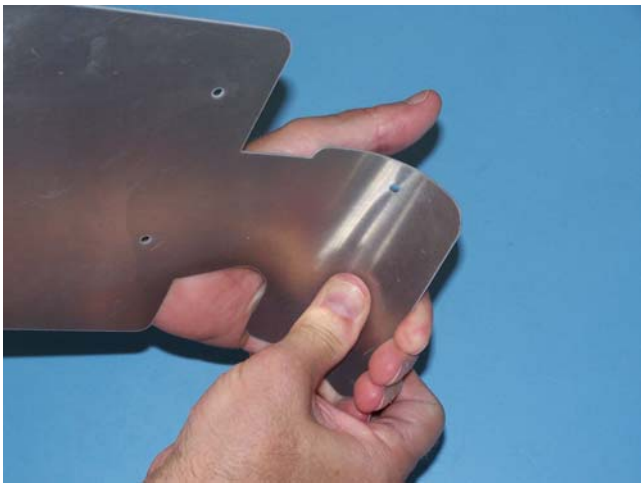

Figure D

Figure E

Step 3: Using similar methods, form the curvature into the larger end of the shield (See Figure F). Continue working this curvature till it fits the starter motor with 1/4” clear (See Figure G).

Figure F

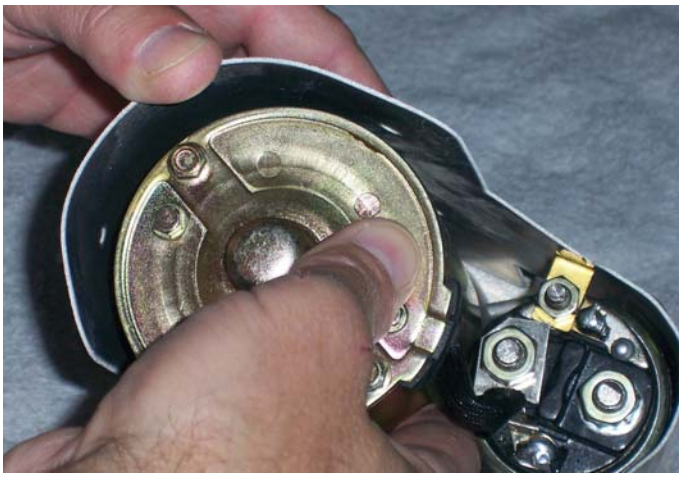

Figure G

Step 4: Prepare the risers for bending by measuring and placing 2 marks on each end of each riser. Mark the first end at 7/16” from the end with a second mark 1/4” away from the first mark. Do this for both ends and repeat this on the other 2 risers (See Figure H).

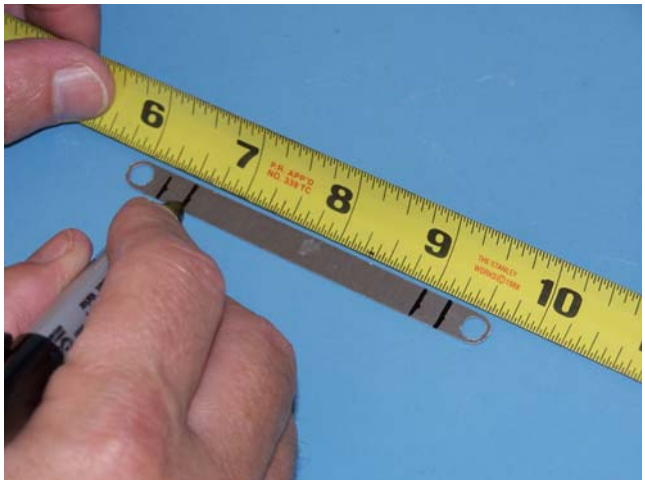

Figure H

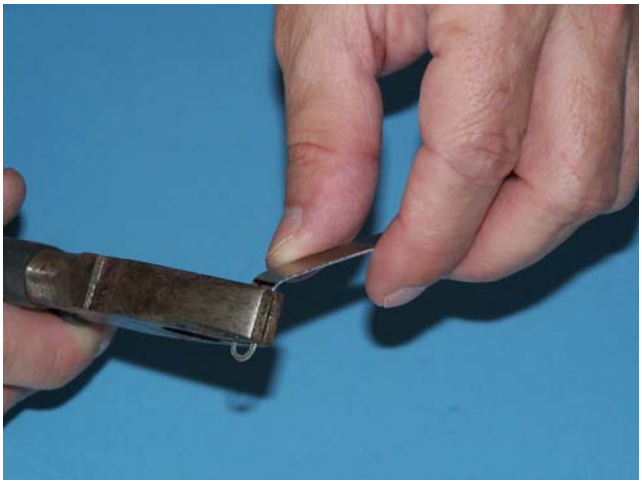

Figure J

Step 5: Bend each end of the riser with (2) opposing 90 degree bends as shown in Figure J. Repeat this for the other 2 risers. Each completed riser should match Figure K.

Figure K

Figure L

Step 6: Bolt each of the risers into place with the supplied #8 pan head machine screws and locking nuts (See Figure L).

Figure M

Figure N

Step 7: Use the supplied metal ties to strap the shield in place onto the starter motor. These 2 straps should go around the main starter body and should be placed just inside the bend points of the risers. No ties are required around the solenoid. Tighten the ties as shown in Figure M. Reverse bend the ends to lock the ties into place.

Step 8: Trial fit by installing the starter into the vehicle. The shield material is flexible enough to dissipate heat quickly and allow bends to be placed in any position that will be needed to clear motor accessories like headers, etc. For maximum efficiency, maintain a min. 1/4” clearance between the shield and any motor part. After installation is complete the shield will appear as shown in Figure N.

Important Note: To avoid chafing the starter wiring, ensure that the wiring is kept clear of the shield edges as the starter is being reinstalled into the vehicle. Use wire tie wraps to limit wiring movement.