Thank you for purchasing one of our quality products. From product conception to the moment we packaged this product our focus has been on providing you with the very best. A great deal of effort is spent making sure you receive a quality part that will hold up to years of abuse. If for any reason you are unsatisfied with the purchase of any of our products they may be returned within 10 days in unused condition for your choice of an exchange or a full refund, less shipping charges. Thank you for your purchase and we hope to see you on the trail soon.

Pre-Install Notes:

Before you start it is imperative that you read these instructions carefully. Failure to do so may result in damage to your vehicle, unsatisfactory installation, or personal injury.

1) Your personal safety is of the utmost importance. Please, exercise extreme caution when working around and under your vehicle.
2) Wear personal protective equipment such as safety glasses, hearing protection and gloves when working on your vehicle.
3) Carefully read the Product Warranty and Assumption of Risk Agreement at the end of this document.
4) It is the purchasers/installers responsibility to inspect the package for any missing or damaged pieces prior to beginning installation. If any discrepancies are discovered please contact us immediately so we may rectify the situation.
5) This document is also available on our website in .pdf format with high resolution images that can be enlarged for greater clarity. www.nem-ind.com/tech
**Box Contents:**

- Right Flare (Passenger)
- Left Flare (Driver)
- Right Upper Inner Fender Brace
- Left Upper Inner Fender Brace
- Right and Left Lower Inner Fender Brace

**Hardware Pack Contents:**

<table>
<thead>
<tr>
<th>Quantity</th>
<th>Size</th>
<th>Part</th>
</tr>
</thead>
<tbody>
<tr>
<td>22</td>
<td>5/16” x 1”</td>
<td>Flat Head</td>
</tr>
<tr>
<td>10</td>
<td>5/16”</td>
<td>SAE Flat Washer</td>
</tr>
<tr>
<td>12</td>
<td>5/16”</td>
<td>Stainless Steel Nylock Nut</td>
</tr>
<tr>
<td>6</td>
<td>5/16” x 1”</td>
<td>Grade 8 Hex Head</td>
</tr>
<tr>
<td>12</td>
<td>5/16”</td>
<td>Thru Hard Flat Washer</td>
</tr>
<tr>
<td>6</td>
<td>5/16”</td>
<td>Grade 8 Nylock Nut</td>
</tr>
<tr>
<td>10</td>
<td>5/16”</td>
<td>Extruded U-Nut</td>
</tr>
<tr>
<td>2</td>
<td>5/16” x 1 1/2”</td>
<td>Fender Washer</td>
</tr>
<tr>
<td>4</td>
<td>1/4” x 1 1/4”</td>
<td>Fender Washer</td>
</tr>
<tr>
<td>2</td>
<td>3/8” x 58”</td>
<td>Peel Back Weather Strip</td>
</tr>
</tbody>
</table>
### Tools Required:

<table>
<thead>
<tr>
<th>Item</th>
<th>Item</th>
</tr>
</thead>
<tbody>
<tr>
<td>3/8” Drive Ratchet</td>
<td>Zip-Clip Tool (Optional)</td>
</tr>
<tr>
<td>3/8” Drive 1/2” Socket</td>
<td>Hammer</td>
</tr>
<tr>
<td>3/8” Drive 10mm Socket</td>
<td>Center Punch</td>
</tr>
<tr>
<td>1/2” Open-end Wrench</td>
<td>Razor Knife</td>
</tr>
<tr>
<td>3/16” Hex Key</td>
<td>Straight Edge</td>
</tr>
<tr>
<td>Drill</td>
<td>8” Clamp (Optional)</td>
</tr>
<tr>
<td>5/32” Drill Bit</td>
<td>Wire Strippers</td>
</tr>
<tr>
<td>1/4” Drill Bit</td>
<td>Insulated Terminal Crimpers</td>
</tr>
<tr>
<td>5/16” Drill Bit</td>
<td>Heat Gun</td>
</tr>
<tr>
<td>3/8” Drill Bit</td>
<td>Marker/Paint Pen</td>
</tr>
<tr>
<td>Counter Sink Bit or 1/2” Drill Bit</td>
<td>Measuring Tape</td>
</tr>
<tr>
<td>Small Screwdriver</td>
<td>Blue Painters Tape</td>
</tr>
<tr>
<td>Pliers</td>
<td>Factory Touch up Paint (Optional)</td>
</tr>
</tbody>
</table>
Precautions:

1. Make sure the vehicle is in park or first gear with the parking brake set. Vehicle should be on a level, sturdy surface and properly secured to prevent movement while working on it. We recommend using wheel chocks or blocks to ensure the vehicle does not move during the installation process.

2. If lifting of the vehicle is required please consult the vehicle owner’s manual for proper lifting techniques and jack placement. Use jack stands to support the vehicle when working under it.

3. Always wear appropriate personal protective equipment: gloves, hearing, and eye protection at a minimum.

4. Use caution when lifting components into place, make sure components are secured during installation.

5. If drilling is required eye protection is especially important to avoid injury. Also be sure to thoroughly inspect the area around where you are drilling to avoid damaging wiring or other components.

6. Use extreme caution when cutting or trimming is required.

7. Please follow the recommended specifications for torque on all hardware. We recommend checking the torque during regular routine maintenance on all aftermarket accessories.

8. Use caution when routing electrical cables and lines. Avoid moving parts, components that become hot and rough or sharp edges.

9. Always insulate and protect all exposed wiring and electrical terminals.

10. Disconnect the battery cables from both terminals with caution, and ensure that they do not touch.

11. When installing hardware use anti-seize or brake caliper grease to minimize the risk of damaging threads and allow for easy removal at a later time.

12. When making electrical connections use dielectric grease to avoid damage from moisture and ensure a long lasting connection.
Install Procedure:

Please follow these instructions only, if you are having difficulty with a particular step or a part is not fitting as described STOP and contact us before proceeding. Taking actions outside of these instructions can result in damage to your vehicle.

Remove the Factory Flare

1. Drill or center punch the center of the plastic rivets that attach the inner fender liner to the flare.
   Tools: Drill, 5/32” drill bit or hammer, center punch
   Note: There are six (6) per side.

2. Remove the six (6) plastic rivets.
   Tools: Fur Tree tool, or pliers
3. Remove the flanged deep well nut that holds the inner fender liner.  
   Tools:  3/8” ratchet, 3/8” drive 10mm socket

4. Separate the inner fender liner and the inner fender reinforcement.  
   Tools:  Zip-clip tool or pliers

5. Remove the inner fender liner by pulling down and out.  
   Note:  Retain the inner fender liner, it will be reused.
6. Disconnect the marker light wiring.  
   Note: Retain the wiring harness for the LED marker light installation.

7. There are two (2) ways to remove the flare. The first is the preferred method since it decrease the possibility of damage to the flare and maintains the serviceability of the factory clips. The second is much faster.
   
   Option 1
   Using a pair of pliers pinch the prongs of the retainer clip together on the backside of the fender and push the retainer back through the fender. Repeat this process for all retainers.

   Option 2
   Grab the rear of the flare (end closest to the rocker) and pull up and away from the Jeep. The majority of the retainers should break the ones that do not use the above method to remove them.
8. Remove the five (5) bolts that attach the inner fender reinforcement to the tub.
   Tools: 3/8” ratchet, 3/8” drive 10mm socket
   Note: Retain the 3 bolts that go into the body beam they will be reused.

9. Remove and discard the inner fender reinforcement.
10. Remove the factory extruded u-nut that held the inner fender reinforcement to the fender.
Tools: Small flat tip screw driver
Tip: Pry up on the metal tab that locks the extruded u-nut into the hole and push down as illustrated.

11. Clean the factory fender with water and a soft towel to remove all dirt and debris left from behind the factory flare.
Note: To avoid scratching your paint use a garden hose to first spray off the large pieces.
Install the Nemesis Flare

1. Tape the factory fender and recess to prevent scratching during the fitment process.

2. Using the included foam tape the leading edge of the new flare.
   HDW: Adhesive backed foam
   Tip: Top of the foam should be even with the top of the flare.
3. Temporarily fit the flare to the fender using the supplied hardware. This will allow you to align the flare and mark the holes that require drilling.

HDW: 
- (3) – 5/16” x 1” flat head bolts
- (3) – 5/16” flat washers
- (3) – 5/16” nylock nuts

Tip: Place a bolt in the forward most hole to the front and one in the 4th hole from the back.
4. With the flare temporarily held in place mark the four (4) holes that require drilling.
   **Tools:** Paint pen/marker
   **Tip:** It can be difficult to locate the exact center of the hole with the flare installed. One trick is to color the entire hole and mark the center once the flare is removed.

5. Remove the flare from the Jeep.
6. Drill the four (4) holes to a 5/16” diameter.
   **Tools:** Drill, 5/32” drill bit, 5/16” drill bit
   **Tip:** Use a center punch to mark the center of the hole to keep the bit from wondering. Start with the 5/32” bit for a pilot hole then open it up to a 5/16” hole.
7. The two (2) holes closest to the rear of the flare that were just drilled through the outer fender panel need to be drilled through to the inner body support panel as well. This is completed by placing the lower inner fender brace into position (narrower side up) using two (2) of the 5/16” hex head bolts. Install both outer hex head bolts securely to ensure that the inner fender brace is located correctly and it will also act as a guide for the drilling of the inner body support panel. Use a c-clamp or quick grip clamp to ensure the inner fender bracket does not move during drilling. Remove one of the hex head bolts and drill the inner body support panel. Install the hex head bolt back into the hole you just drilled and remove the bolt from the remaining hole and repeat process. Take your time with this step to ensure proper alignment.

Tools: Drill, 5/16” drill bit, 8” clamp
HDW: Lower inner fender brace
(2) – 5/16” x 1” hex head bolts
(1) – 5/16” nut

Note: Brace has a top and a bottom the narrower side goes towards the top.
Please see CAUTION detail on the following page.
**Caution**

On 2012 and newer JK’s there is a wiring harness directly behind the inner body support on the passenger side. To prevent damage tie the harness out of the way before drilling!!!!

**CAUTION**

8. Carefully enlarge all holes used for the installation of the flare to 3/8”\(^\text{"}\). This will allow adequate adjustment of the flare to ensure a perfect fit on every vehicle.
   Tools: Drill, 3/8” drill bit
9. Using a countersink or 1/2" bit deburr all of the holes.
   Tip: You can use touch up paint on the bare sheet metal to prevent rust.

10. Install the lower inner fender brace. Use the two (2) 5/16" hex head bolts on the inside of the brace.
    Tools: 3/8" drive ratchet, 3/8" drive 1/2" socket, 1/2" open-end wrench
    HDW: (2) – 5/16” x 1” hex head bolts
         (4) – 5/16” flat washers
         (2) – 5/16” nylock nuts
    Tip: Leave bolts loose to allow for final fitment.
11. Install five (5) 5/16” extruded u-nuts into the upper inner fender brace.
   HDW: (5) – 5/16” extruded u-nuts
   Tip: The forward most extruded u-nut must be facing forward.
12. Place the upper inner fender brace into position aligning the 3 openings in the brace to the 3 holes that were used to hold the factory inner fender reinforcement.  
HDW: Factory hardware removed previously.  
Tip: Leave bolts loose to allow for final fitment.
13. Align extruded u-nuts with the holes in the factory fender.
   Tools: Small flat tip screw driver

14. Remove painters tape.
15. Install the new flare using supplied hardware. Fender washer goes on the rear flat head bolt, all other flat head and nylock combo receive a washer on the backside.

**HDW:** (11) – 5/16” x 1” flat head bolts
(5) – 5/16” SAE flat washers
(6) – 5/16” Stainless steel nylock nuts
(1) - 5/16” x 1 1/2” Fender washer

**Tip:** Leave bolts loose to allow for final fitment.
16. Install the 5/16” x 1” hex head bolt that ties the flare to the factory brace.
   HDW: (1) - 5/16” x 1” hex head bolt
   (2) – 5/16” flat washer
   (1) – 5/16” nylock nut

17. Tighten the three (3) factory bolts holding the upper inner fender brace in place.
   Tools: 3/8” drive ratchet, 3/8” drive 10mm socket
   Note: Torque on bolts is 5-8 ft./lbs.

18. Tighten the two (2) 5/16” hex head bolts that tie the lower inner fender brace to the inner body support panel.
   Tools: 3/8” drive ratchet, 3/8” drive 1/2” socket, 1/2” open-end wrench
   Note: Torque on bolts is 10-12 ft./lbs.

19. Tighten all 5/16” flat head bolts.
   Tools: 3/16” hex key
   Note: Torque on bolts is 8-10 ft./lbs.

20. Repeat procedure on opposite side.

21. Reconnect battery cables.
Inner Fender Liner Modification and Installation

1. Mark the front portion of the inner fender liner as illustrated.
   Tools: Paint pen/marker

2. Measure 1.25” out from the vertical face just behind the 1” hole in the inner fender and place a vertical mark.
   Tools: Paint pen/marker
   Tip: See step 3 for a larger illustration of where to measure from.
3. Draw a line connecting the edge of the liner the 1.25” mark and the mark made at the bottom of the liner.

4. Carefully trim the liner along the lines you just drew.
   Tools: Razor knife
   Tip: If you have access to an air compressor and a die grinder you can use it to clean up your cut lines. When you are satisfied with your cut line use the razor blade on edge to smooth and round the edge.
5. Remove the front two (2) factory bolts holding the upper inner fender brace in place.
   Tools: 3/8” drive ratchet, 3/8” drive 10mm socket

6. Install the inner fender liner using the large fender washers and the factory bolts.
   Tools: 3/8” drive ratchet, 3/8” drive 10mm socket
   HDW: 2 – 1/4” x 1 1/4” fender washers
7. Tuck the rear portion of the inner fender liner behind the lip located at the rear of the Nemesis flare.

8. Repeat on other side.
LED Marker Light Installation

1. Remove part number tag from factory harness and peel back conduit.

![Image of LED harness being installed.]

2. Cut factory harness to maintain the overall length with the new LED wiring.
   Tools: Wire cutter

3. Strip shielding from factory harness.
   Tools: Wire stripper

4. Plug factory harness back into Jeep and turn on running lights.
   Note: Do not allow bare wires to touch, if they do they will short out the circuit and blow the fuse.
   If you do blow the fuse it is located in the fuse block attached to the TIPM under the hood.
5. Check polarity of the LED light and the factory harness.  
   Tip: Black wire is typically the ground on the Jeep.  
   White wire is typically the ground on the LED light.  
   Note: Wire color can vary from manufacturer and batch, ALWAYS confirm polarity  
   before making final connections.

6. Remove factory harness from vehicle and turn off marker lights.

7. Crimp the butt connectors to the factory harness.  
   Tools: Insulated terminal crimpers  
   Tip: We prefer to use solder and heat shrink tubing to provide the best possible  
   connection.

8. Crimp the butt connectors to the LED harness.  
   Tools: Insulated terminal crimpers  
   Tip: We prefer to use solder and heat shrink tubing to provide the best possible  
   connection.
9. Heat shrink the butt connectors.  
   Tools: Heat gun

10. Re-loom the conduit over the LED wiring and tape the end.  
    HDW: Electrical tape  
    Tip: Using some additional tape in the area where the butt connectors are will help keep the conduit from coming loose.
11. Attach the new marker light harness to the Jeep and function check for proper operation.
   Tip: When making electrical connections use dielectric grease to avoid damage from moisture and ensure a long lasting connection.

12. Push LED light and grommet through the 3/4” hole in the flare.
13. Push LED light back through the grommet.
   Tip: Make sure the lettering on the marker light is vertical and at the top.
   If you are having difficulty pushing the light into the grommet use WD-40 or some other lubricant to allow for easy install.
14. Tuck wiring behind the inner fender liner.
   Tip: Use zip ties to secure any loose wiring.

15. Repeat on the opposite side.

16. Reconnect battery cables.

Congratulations! Your JK now has a new level of protection!

Thank you for your purchase. If you have any questions or comments about these instructions please contact us at:
303-974-2440
info@nem-ind.com
Troubleshooting:

1. Please check our technical support page for additional resources pertaining to the install of this product.
The goal of all of us at Nemesis Industries, Inc.™ is to ensure you are delighted not only with this purchase, but also with any additional purchases and to that end Nemesis offers a ten (10) day from the ship date no questions asked return policy if products are returned in an "unused" condition, this excludes custom parts or parts with custom paint or powdercoat. In addition, Nemesis warrants your product for two (2) years from the date of sale to be free from defects in material and workmanship under normal installation and use. This warranty is limited to the costs of repair and replacement. Therefore, no type of labor or shipping allowance is available in connection with a customer's repair, removal, reinstallation or return of a damaged product. Should any questions arise, please call Nemesis at (303) 974-2440. We remind you that all finishes, painted or powder coated, must be cleaned and waxed regularly and the portion of the warranty concerning the products' finish does not apply to products that have been chipped, scratched or damaged in any way. All warranty claims are subject to inspection by Nemesis. Following such inspection, the product in question may either be repaired or replaced when found defective. Prior to any replacement or repair, written authorization as to the action to be taken shall be issued by Nemesis. Failure to contact Nemesis prior to having warranty work performed shall immediately void all applicable warranties.

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Use in an Off-Road Activity. By accepting a Nemesis product and using such product in any Off-Road Activity, Customer accepts and agrees to all of the terms described below (the "Release"); provided that Customer may in lieu of accepting the terms of this Release and prior to installation, elect to return any Nemesis product and receive a full refund. Such return may be initiated by contacting a Nemesis sales representative or by directly contacting Nemesis at (303) 974-2440 or at www.nem-ind.com for the issuance of a call tag for the product in question. Once the product being returned has been received by Nemesis in good condition, a full refund will be issued minus shipping charges.

Assumption of Risk and Release. Customer assumes all risk and responsibility of engaging in an Off-Road Activity which is acknowledged as being inherently dangerous. Customer understands that persons participating in an Off-Road Activity must possess specialized knowledge and skills, and in voluntarily deciding to do so, Customer assumes all risks inherent therein which may be encountered at any time in connection with an Off-Road Activity. With full knowledge of the above and all risks inherent therein, Customer and others who may voluntarily choose to engage in an Off-Road Activity accepts full responsibility for and assumes all risks associated with engaging in an Off-Road Activity, whether known, unknown, or inherent, and acknowledge and agree that such persons are assuming all responsibility for any and all consequences resulting from the participation in an Off-Road Activity, including, but not limited to, injury and/or death to Customer or others and damage to the Vehicle and other property. Customer and each other participant in any Off-Road Activity hereby release, and forever discharge and shall hold harmless each other and Nemesis, including all of their respective predecessors, affiliates, successors, assigns, partners, venturers, principals, officers, directors, managers, shareholders, attorneys and agents and their respective insurance carriers (the "Released Parties") and hereby release and forever discharge, indemnify and hold harmless the Released Parties, and any and all persons claiming under them, however involved, of and from any and all liability for any and all claims, demands, damages and costs, liabilities, losses, expenses, obligations, compensations, reimbursements, actions, rights, loss of profits, and rights and causes of action, of every kind and nature whatsoever, including court costs and attorney fees, whether known or unknown, which Customer and any other participant may now have, or claim at any future time to have, arising from or growing out of, or by reason of, or based in whole or in part upon, any act, omission, event, transaction, matter or thing involved, alleged or referred to, whether direct or indirect, involving an Off-Road Activity.

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Covenant Not to Sue. Customer and any other participant specifically covenant and agree, each with the other, never to institute or participate in any suit or action, including class actions, at law or in equity, whether sounding in tort or contract, against the Released Parties and all persons claiming under them or any of them by reason of any claim, demand, action, or cause of action described in this Release.

Miscellaneous Provisions. This Release shall be binding in all respects upon, and shall inure to the benefit of the Released Parties and their heirs, successors and assigns. This Release shall be governed by the laws of the State of Colorado, and the sole and exclusive jurisdiction for the determination of any controversy or claim arising out of the purchase of any Nemesis product shall be in the District Court of Arapahoe County, Colorado. In the event that a court of competent jurisdiction enters judgment declaring any material provision of this Release invalid or unenforceable, the remainder of this Release shall remain in full force and effect and such provision shall be limited or eliminated to the minimum extent necessary so that such invalid or unenforceable provision shall otherwise remain in force or effect. Neither Customer nor any other participant shall be entitled to any favorable construction of any provision of this Release because the Release was drafted by Nemesis or by an attorney for Nemesis. The acceptance of a Nemesis product constitutes Customer's voluntary acceptance of this Release, Customer's acknowledgement that no oral statements or inducements have been made and that full and adequate consideration has been received for this Release.