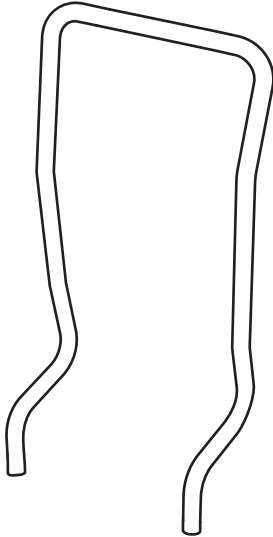


Parts Index

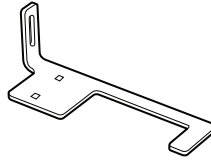
* Not to scale

Patent Pending
rammount.com/ip



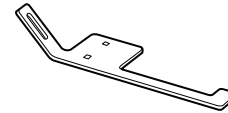
A

Tough-Bar™
(Design may vary)



B

90° Base Connector



C

45° Base Connector



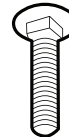
D

(x2) Leg Clamps



E

(x4) Base Connector
Fillers



F

(x4) Carriage Bolts
1/4"-20 x 1"



G

(x6) Flat Washers
1/4"



K

(x2) Adhesive Dash Mounts
(Arm lengths vary depending on vehicle)



H

(x6) Lock Washers
1/4"



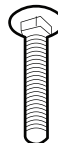
I

(x6) Hex Nuts
1/4"-20



J

(x6) Rubber Caps



L

(x2) Carriage Bolts
1/4"-20 x 1.5"



M

(x2) Machine Screws
#6-32 x 1/2"



N

(x2) Nylock Nuts
#6-32



O

(x8) Screws
#8 x 5/8"

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Important Note



Multiple bolt & screw connections are involved throughout this installation. For each step, loosely connect hardware so parts are held in place but can still be adjusted by hand. Do not fully tighten components until the final step, following the order instructed.

Fully tighten hardware in step 1.3 and 1.4

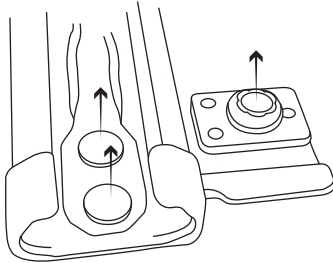


Safety Precaution

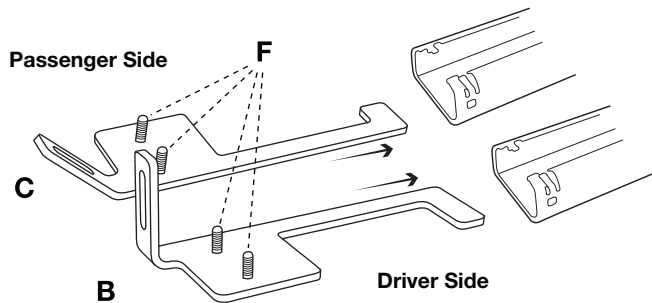
Do not install this product near or over an airbag deployment area or in a location that obstructs the driver's vision or interferes with vehicle operation. Electronic devices attached to this product are not to be used while vehicle is in motion. National Products, Inc. does not assume responsibility or liability for any such personal injury, death, or property damage.

1 Vehicle Preassembly

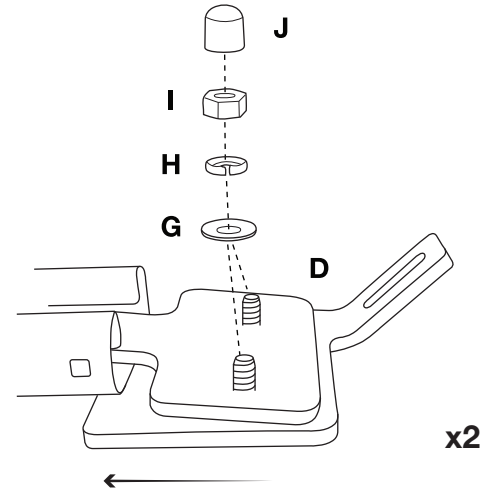
- 1.1** Remove any plastic covers from inner seat tracks (flat head screwdriver recommended). Bring seat forward and remove rear seat bolts from both seats. Remove additional bolts on the door side of each seat. Carpet may need to be peeled back to expose bolts.



- 1.2** Feed (F) Carriage Bolts into the (B) and (C) Base Connectors. Slide connectors under the inside of the seat track rails. (B) 90° Connector goes under the driver side, and (C) 45° Connector goes under the passenger side.



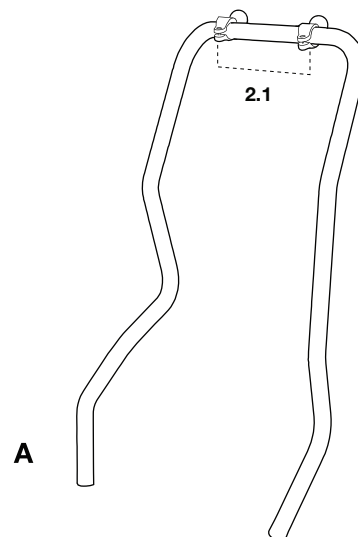
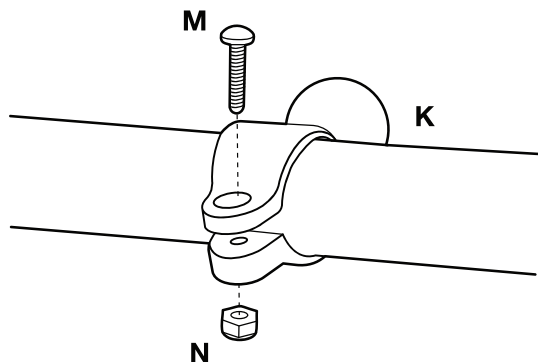
- 1.3** Pull (B) and (C) Base Connectors to furthestmost forward position. Place (D) Leg Clamps on top of (B) and (C) Base Connectors and line up holes with tongue positioned inside the seat track. Base Connectors must be parallel to the seat tracks. Use hardware (F, G, H, I) to secure base connector/leg clamps to the track. Fully tighten and connect (J) Rubber Caps to the exposed threads.



- 1.4** With seats forward, reconnect rear seat bolts. Do not allow seats to bend the base connectors while brought forward.

2 Tough-Bar™ Preassembly

- 2.1** Connect ball clamp bases from the (K) Adhesive Dash Mounts to the top of (A) Tough-Bar™. Secure with (M) Screws and (N) Nuts. Do not fully tighten yet.



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Safety Precaution

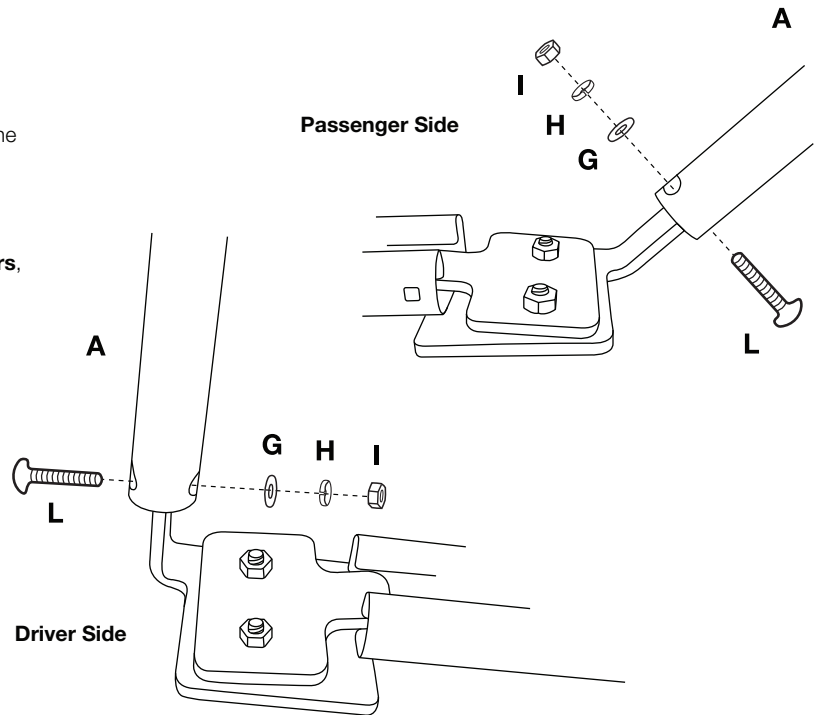
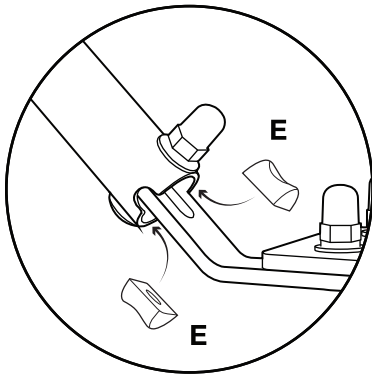
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3 Tough-Bar™ Installation

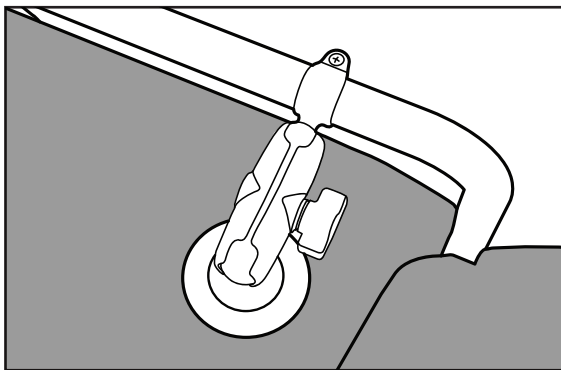
- 3.1** Bring preassembled **(A) Tough-Bar™** into vehicle, aligning the bottom ends with the **(B) and (C) Base Connectors**.

Insert **(E) Fillers** into the gaps of the base connectors.

Secure with **(L) Bolts**, **(G) Flat Washers**, **(H) Lock Washers**, and **(I) Nuts**.

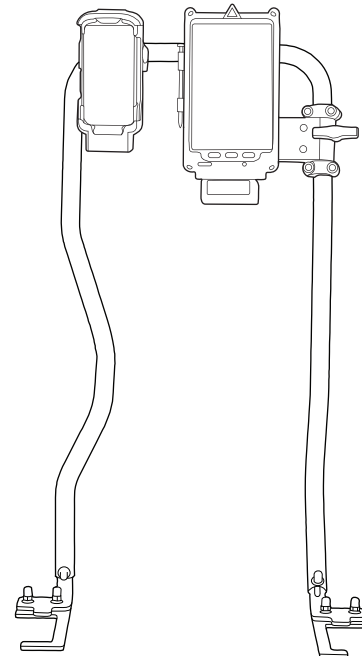


- 3.2** Connect the Ball Clamp Bases to the Flex Adhesive Ball Bases using the Socket Arms from **(K) Dash Mounts**. Determine the placement of the Round Flex Bases on the dashboard, avoiding soft materials and narrow edges. Position the socket arms as perpendicular to the bar as possible. **Do not apply adhesive yet.**



Proper Installation

- 3.3** Connect all additional mounts intended to be used with your Tough-Bar™ kit (tablet, laptop, phone & other mounts). Follow all mounting instructions provided with each additional component.



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Safety Precaution

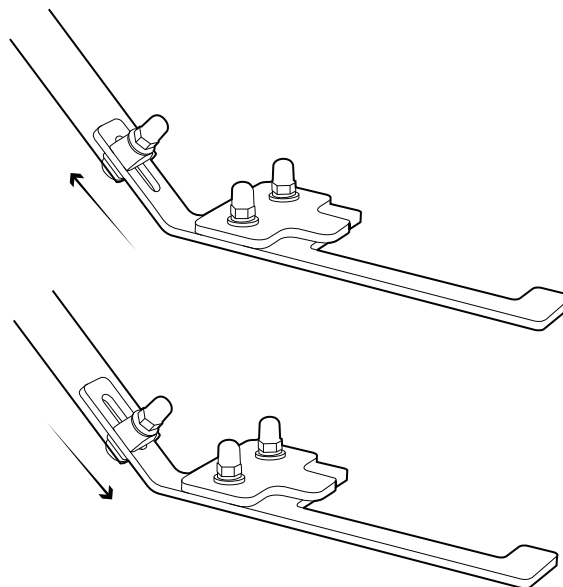
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4 Inspection

4.1 Review your overall installation and ensure the following items have been checked:

- ☐ Tough-Bar™ and mounts do not block airbag deployment zone
(see instructions for any Friction Hinge Mounts)
- ☐ Glove box remains accessible
- ☐ Gear shifter does not interfere with Tough-Bar™
- ☐ Seat adjustability and leg room is of suitable use
- ☐ Vertical segment on right side of Tough-Bar™ is vertical
- ☐ Horizontal segment along the top of the Tough-Bar™ is horizontal

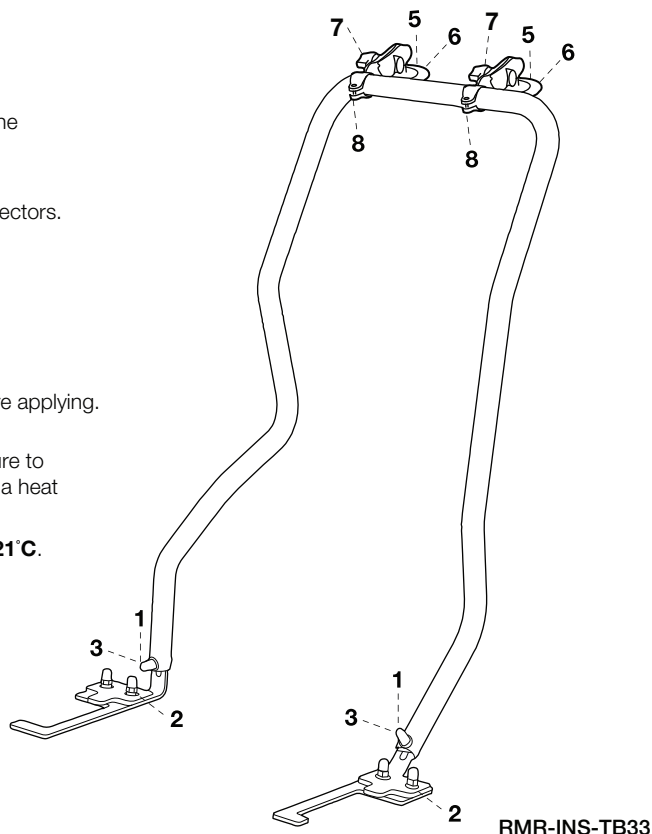
Make fine-tuned adjustments of your installation by sliding the Tough-Bar™ along the seat base connector slot to properly account for these items.



5 Fully Tighten & Final Connections

5.1 After full inspection and final adjustments, secure all components to your vehicle in the following order. Ensure proper alignment after each sequence:

1. Fully tighten **(L) Bolts** and **(I) Hex Nuts** securing Tough-Bar™ to Base Connectors.
2. Fully tighten **(D) Leg Clamps** to the **(B) and (C) Base Connectors**.
3. Cover excess threads on **(L) Bolts** with **(J) Rubber Caps**.
4. Clean & dry dash surface and flex ball bases using included prep pads before applying.
5. Connect Adhesive pads to Flex Ball bases from **(K) Dash Mounts** and secure to dash. For best results, loosen the Flex Ball and heat the adhesive pad using a heat gun or hair dryer then stick to the dash and apply pressure.
Adhesive pads MUST be heated if the air temperature is below 70°F/21°C.
6. For additional security, optional **(O) Screws** are provided to drill bases into dash if desired.
7. Fully tighten socket arms in **(K) Dash Mounts**.
8. Fully tighten **(M) Screws** on **(K) Dash Mount Ball Clamp Bases**.



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