

Parts Index

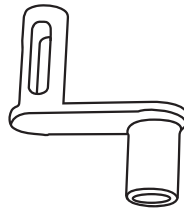
* Not to scale

Patent Pending
rammount.com/ip



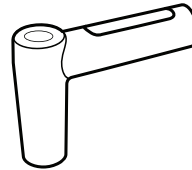
A

Tough-Bar™
(Design may vary)



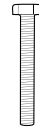
B

Base Connector



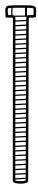
C

90-Degree
Base Connector



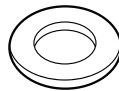
D

Short Connector Bolt



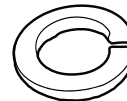
E

Long Connector Bolt



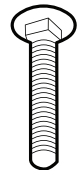
F

(x2) Flat Washers
for Base Connectors



G

(x2) Lock Washers
for Base Connectors



H

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



I

(x2) Flat Washers
1/4"



J

(x2) Lock Washers
1/4"



K

(x2) Hex Nuts
1/4"-20"



L

(x2) Rubber Caps



M

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



N

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



O

(x2) Nyloc Nuts
#6-32



P

(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 (D) and (E) Connector Bolts in step 2.2

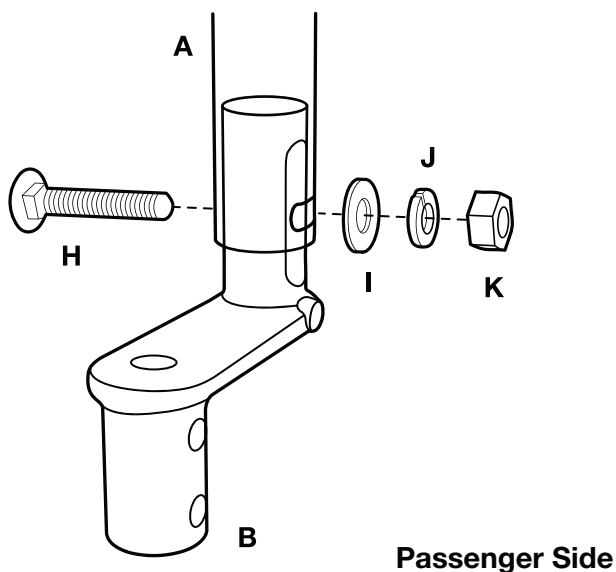


Safety Precaution

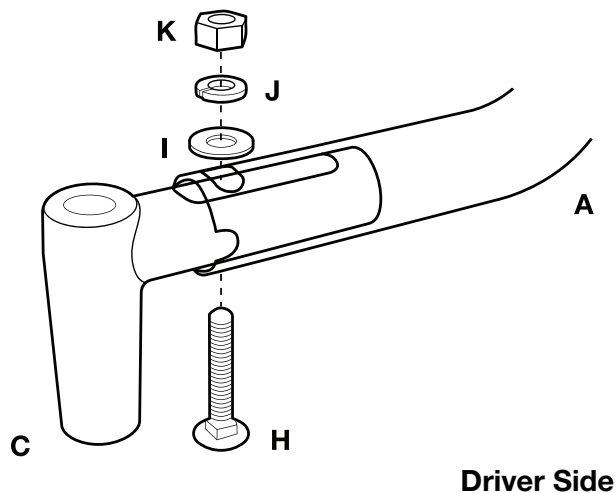
Do not install this product near or over an airbag deployment area or in a location that obstructs the driver's vision or interferes with vehicle operation. Electronic devices attached to this product are not to be used while vehicle is in motion. National Products, Inc. does not assume responsibility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

1 Preassembly

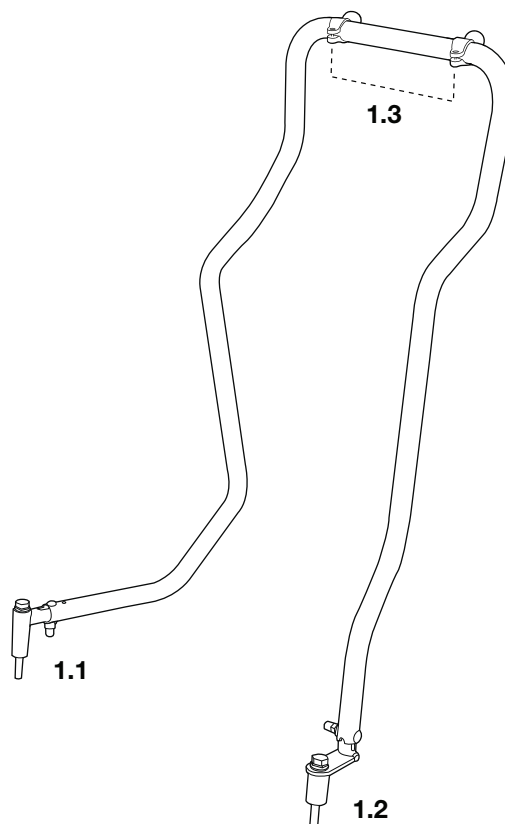
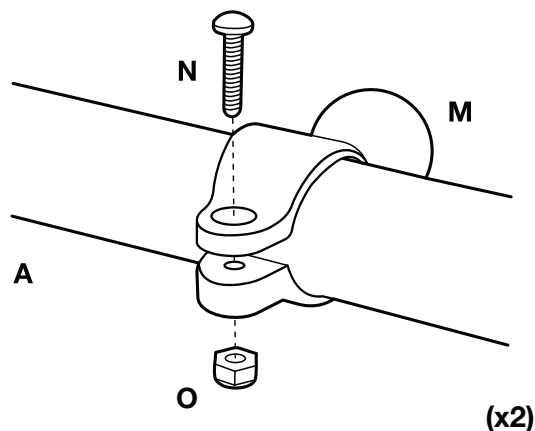
- 1.1** Connect **(B) Base Connector** to the passenger side of **(A) Tough-Bar™**. Secure with **(H) Bolt**, **(I) Washer**, **(J) Washer**, and **(K) Nut**.



- 1.2** Connect **(C) 90-Degree Base Connector** to the driver side of **(A) Tough-Bar™**. Secure with **(H) Bolt**, **(I) Washer**, **(J) Washer**, and **(K) Nut**. Do not fully tighten yet.



- 1.3** Connect Ball Clamp Bases from **(M) Adhesive Dash Mounts** to the top of **(A) Tough-Bar™**, secure with **(N) Screws** and **(O) Nuts**. Do not fully tighten yet.



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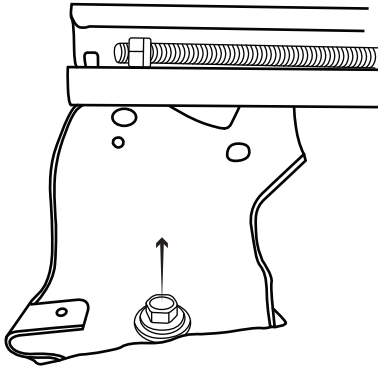


Safety Precaution

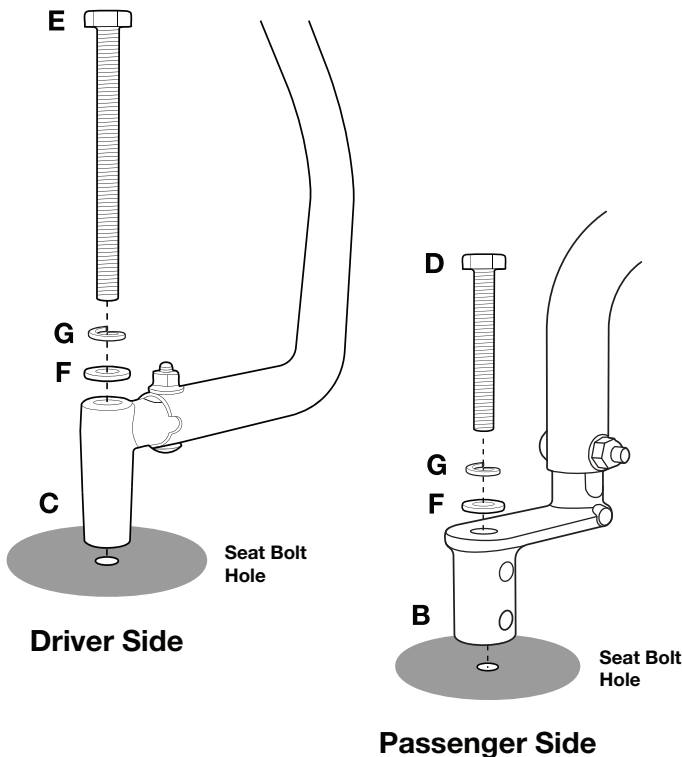
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2 Vehicle Installation

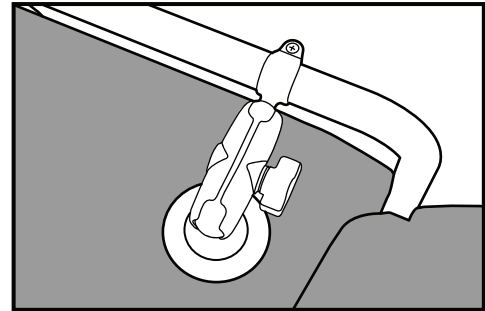
- 2.1** Adjust both front seats to their rear-most position. Expose and remove **front left passenger** and **front right driver** seat bolts from vehicle.



- 2.2** Bring preassembled **(A) Tough-Bar™** into vehicle, aligning the **(B) Base Connector** with the passenger side seat bolt hole and **(C) 90-Degree Base Connector** with the driver side seat bolt hole. Connect the bases to the holes using the Shorter **(D) Bolt** on the passenger side, and the longer **(E) Bolt** on the driver side, along with **(F) Washers** and **(G) Washers**. Fully tighten **(D)** and **(E) Bolts**.

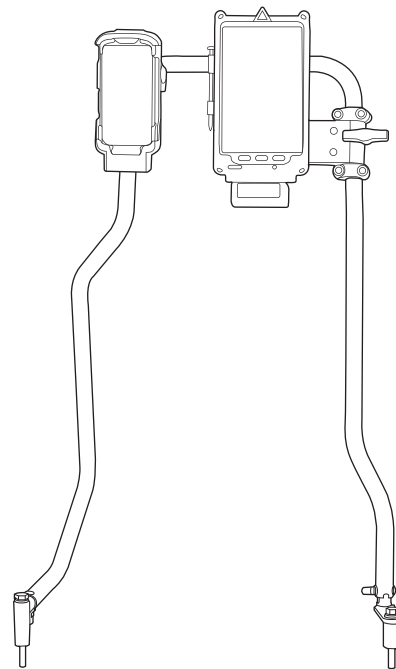


- 2.3** Connect the Ball Clamp Bases to the Flex Adhesive Ball Bases using the Socket Arms from **(M) Dash Mounts**. Determine the placement of the Round Flex Bases on the dashboard, avoiding soft materials and narrow edges. Position the socket arms as perpendicular to the bar as possible. **Do not apply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



Proper Installation

- 2.4** 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

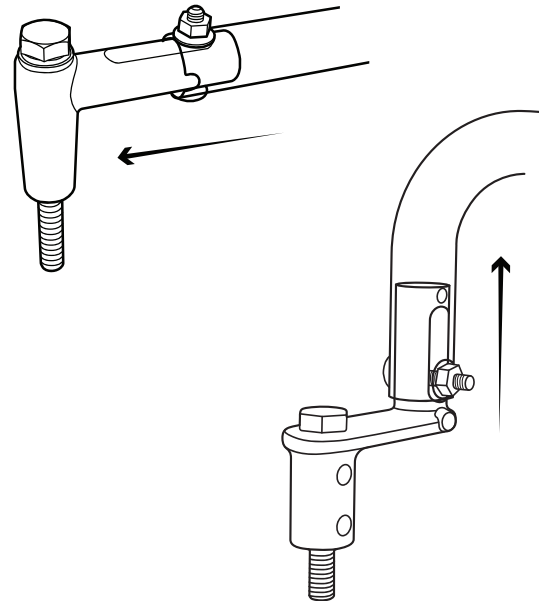
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3 Inspection

3.1 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

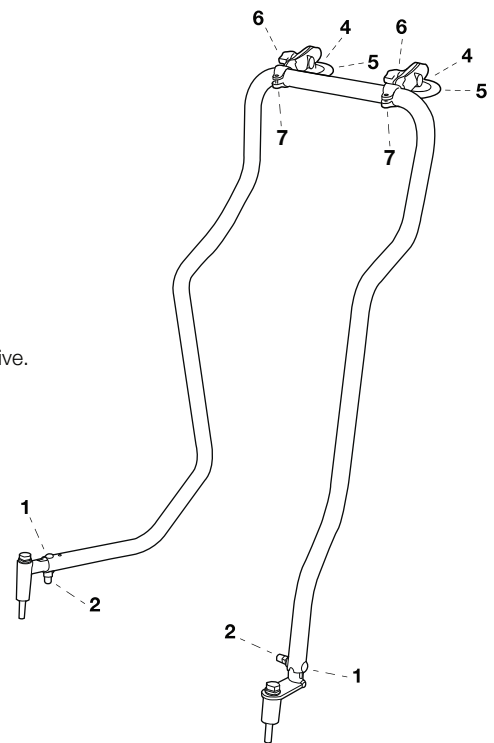
Make fine-tuned adjustments of your installation by sliding the Tough-Bar™ along the seat base connector slot to properly account for these items.



4 Fully Tighten & Final Connections

4.1 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 **(H) Bolts** and **(K) Nuts** securing Tough-Bar™ to Base Connectors.
2. Cover excess threads on **(H) Bolts** with **(L) Rubber Caps**.
3. Clean & dry dash surface and flex ball bases using included prep pads before applying adhesive.
4. Connect Adhesive pads to Flex Ball bases from **(M) 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.
5. For additional security, optional **(P) Screws** are provided to drill bases into dash if desired.
6. Fully tighten socket arms in **(M) Dash Mounts**.
7. Fully tighten **(N) Screws** on **(M) Dash Mounts**.



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