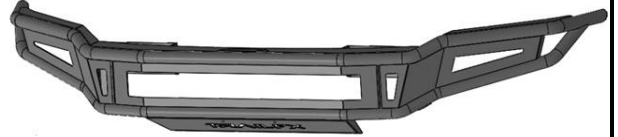




NB3 FRONT BUMPER
Part No. FPRB004TI



Fits: **2018-2019 FORD F150**



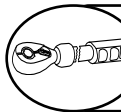
Including Diesel models with DEF tanks



REMOVE CONTENTS FROM BOX. VERIFY ALL PARTS ARE PRESENT.



READ INSTRUCTIONS CAREFULLY BEFORE STARTING INSTALLATION.



DO NOT OVER TORQUE. STANDARD OPERATING LOAD FOR TIGHTEN BODY MOUNT NUTS & BOLTS VARIES FROM **45** TO **65** FOOT POUND.



60-180 min



Cutting is not Required



Drilling is not Required



support@trailfx.com



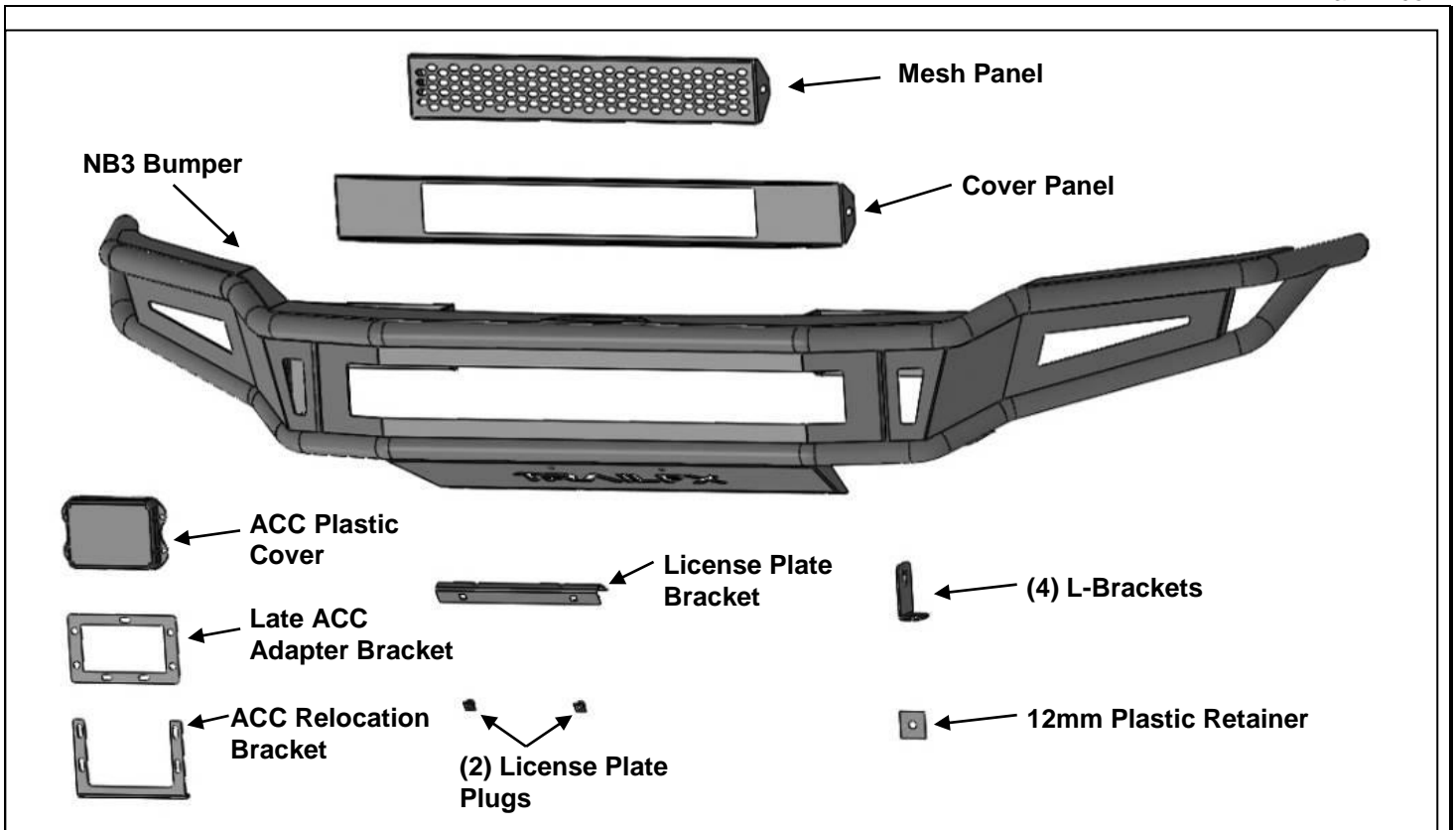
1 866 638 4870



POLISHED STAINLESS STEEL - LIMITED LIFETIME
 POWDER COATED BLACK - 3 YEARS

PARTS LIST:

Qty	Part Description	Qty	Part Description
1	NB3 Front Bumper	26	8mm x 24mm x 2mm Flat Washers
1	NB3 Skid Plate	16	8mm Lock Washers
1	Cover Panel	10	8-1.25mm Hex Nuts
1	Mesh Panel	2	8mm Clip Nuts
4	L-Brackets	6	6-1.0mm x 25mm Button Head Bolts
1	ACC Adapter Bracket	2	6-1.0mm x 20mm Button Head Bolts
1	ACC Relocation Bracket	13	6mm x 18mm x 1.6mm Flat Washers
1	ACC Plastic Cover	6	6mm Lock Washers
1	License Plate Bracket	2	6-1.0mm Nylon Lock Nuts
2	License Plate Plugs	6	6-1.0mm Hex Nuts
6	12mm Plastic Retainers	1	Foam Gasket
12	8-1.25mm x 25mm Button Head Bolts	1	5mm Hex Wrench
4	8-1.25mm x 20mm Hex Bolts	1	4mm Hex Wrench
2	8-1.25mm x 16mm Hex Bolts		

**PROCEDURE:**

REMOVE CONTENTS FROM BOX. VERIFY ALL PARTS ARE PRESENT. READ INSTRUCTIONS CAREFULLY BEFORE STARTING INSTALLATION. BUMPER IS HEAVY, ASSISTANCE IS HIGHLY RECOMMENDED TO AVOID POSSIBLE INJURY OR DAMAGE TO THE VEHICLE.

1. Remove the license plate and bracket. On models equipped with factory fog lights, unplug wiring harness leading to Bumper. Release the wiring harness from the clips attached to the back of the bumper. Move wiring harnesses away from bumper.
2. Next, remove both plastic bumper pads, **(Figure 1)**. Pad is held in place with metal clips. Gently pry the corners of the bumper pad and pull the pad straight out to remove. Unplug and remove the Adaptive Cruise Control sensor (ACC) from the front of the bumper, **(Figure 2)**.
3. Place blocks or jack stands under the front bumper to support it during mounting bolt removal. **WARNING!** Assistance is required to hold the bumper in place during bolt removal to prevent the bumper from falling. Once the bumper has been safely supported, remove the lower large hex nuts from the back of each bumper bracket, **(Figure 3)**. Next, from the front of the bumper, remove the (2) factory hex nuts attaching the bumper to each bumper bracket, **(Figure 4)**. Carefully slide the bumper off over the tow hooks.
4. Remove the tow hooks and plastic covers, (if equipped), from the bottom of the frame.
5. Remove the factory double bolt plate from the frame and the factory bolt from the bumper brackets.
6. Select (2) L-Brackets. Attach the L-Brackets to the back of the NB3 Bumper with (2) 8mm x 25mm Button Head Bolts, (4) 8mm Flat Washers, (2) 8mm Lock Washers and (2) 8mm Hex Nuts, **(Figure 5)**. Do not tighten hardware. Repeat this **Step** to attach L-Brackets to the Passenger/Right side.
7. Determine if Mesh Panel or light or will be installed. (light not included)

For Cover and Mesh Panels installation

- a. Select the Cover Panel.
- b. Attach the Cover Panel to the outer L-Brackets on the back of the Bumper with (2) 8mm x 20mm Hex Bolts, (4) 8mm Flat Washers, (2) 8mm Lock Washers and (2) 8mm Hex Nuts, **(Figure 6)**.
- c. Select the Mesh Panel.
- d. Attach Mesh Panel to the inner L-Brackets with (2) 8mm x 20mm Hex Bolts, (4) 8mm Flat Washers, (2) 8mm Lock Washers and (2) 8mm Hex Nuts, **(Figure 7)**. Do not tighten hardware.
- e. Continue to **Step 8**.

For 20inch Light Bar installation (Light not included)

- a. Select the Cover Panel.
- b. Attach the Cover Panel to the outer L-Brackets on the back of the Bumper with (2) 8mm x 20mm Hex Bolts, (4) 8mm Flat Washers, (2) 8mm Lock Washers and (2) 8mm Hex Nuts, **(Figure 6)**.
- c. Attach Light Bar (not Included) to the inner L-Brackets with (2) 8mm x 16mm Hex Bolts, (2) 8mm Lock Washers and (2) 8mm Flat Washers, **(Figure 8)**. Do not tighten hardware.

d. Continue to **Step 8**.

For 30inch Light Bar installation (Light not included)

a. Only attach the outer L-Brackets to the back of the Bumper.

b. Attach Light Bar (not included) to the outer L-Brackets with (2) 8mm x 16mm Hex Bolts, (2) 8mm Lock Washers and (2) 8mm Flat Washers. Do not tighten hardware.

c. Continue to **Step 8**.

8. Models with Adaptive Cruise Control (see step 2)

Select the ACC Relocation Bracket. Attach the Bracket the top of the Bumper with (2) 8mm x 25mm Button Head Bolts, (4) 8mm Flat Washers, (2) 8mm Lock Washers and (2) 8mm Hex Nuts, **(Figure 9)**. Do not tighten hardware.

For "Late" style ACC

a. Select the ACC Adapter Bracket.

b. Attach the "Late" ACC unit to the Bracket with (3) 6mm x 25mm Button Head Bolts, (6) 6mm Flat Washers, (3) 6mm Lock Washers and (3) 6mm Hex Nuts, **(Figure 10)**. Do not tighten hardware.

c. Select the ACC Plastic Cover.

d. Attach the Cover and the ACC Bracket assembly to the Relocation Bracket with (3) 6mm x 25mm Button Head Bolts, (3) 6mm Flat Washers, (3) 6mm Lock Washers and (3) 6mm Hex Nuts, **(Figure 11)**. Do not tighten hardware.

For "Early" style ACC

a. Select the ACC Plastic Cover.

b. Attach the Plastic Cover and the "Early" ACC to the Relocation Bracket with (3) 6mm x 25mm Button Head Bolts, (3) 6mm Flat Washers, (3) 6mm Lock Washers and (3) 6mm Hex Nuts, **(Figure 12)**. Do not tighten hardware.

9. Select (3) 12mm Plastic Retainers. Insert the factory bolt plate and bolt into the back of the Bumper. Thread the Plastic retainers onto the threads to hold the bolt plate and bolt in place, **(Figures 14 & 15)**. Repeat this **Step** for the Passenger/Right side.

10. With assistance, position the Bumper Assembly onto the outsides of the frame. Insert the bolt plate and bolt into the mounting location, **(Figure 13)**. Temporarily support the weight of the Bumper. **WARNING:** To avoid possible injury or damage to the vehicle, do not proceed until the Bumper is fully and safely supported.

11. Attach the Bumper to the Brackets with (3) factory flange hex nuts, **(Figure 16 & 17)**. Do not tighten hardware. Repeat this **Step** for the Passenger/Right side.

12. Level and adjust the Bumper and fully tighten all hardware.

13. Select the License Plate Bracket. Attach the bracket to the lower front of the Bumper with (2) 6mm x 20mm Button Head Bolts, (4) 6mm Flat Washers and (2) 6mm Nylon Lock Nuts, **(Figure 18)**.

14. Select (2) License Plate Plugs. Insert the plugs into the License Plate Bracket, **(Figure 19)**.

15. NB3 Skid Plate installation, remove all the bolts attaching the factory skid plate to the vehicle, **(Figures 20 & 21)**.

16. With assistance, place the Skid Plate on top of the back of the Bumper and align the welded nuts on the Plate with the slots on the Bumper. Use (4) 8mm Button Head Bolts, (4) 8mm Lock Washers and (4) 8mm x 24mm Flat Washers, **(Figure 22)**. Do not tighten hardware.

17. On models with a standard skid plate (Fig 20):

a. With assistance, place rear-end of the Skid Plate in between the factory skid plate and crossmember.

b. Reuse the (2) factory bolts to attach the Skid Plate to factory skid plate and the crossmember.

c. Adjust Skid Plate as necessary and tighten hardware at this time.

18. On models with an off-road skid plate (Fig 21):

a. Locate the rear skid plate mounting location, **(Figure 23)**.

b. Slide (1) 8mm U-Clip into the rectangular opening with the nut towards the inside, **(Figure 24)**. Line up the threaded nut on the Clip with the round hole. Repeat to attach the 2nd 8mm Clip Nut in the remaining round hole location.

c. Attach the rear end of the Skid Plate to the (2) Clip Nuts using (2) 8mm Button Head Bolts, (2) 8mm Lock Washers and (2) 8mm x 24mm Flat Washers, **(Figures 25 & 26)**.

d. Adjust Skid Plate as necessary and tighten hardware at this time.

e. Reinstall the factory off-road skid plate and tighten hardware, **(Figure 27)**.

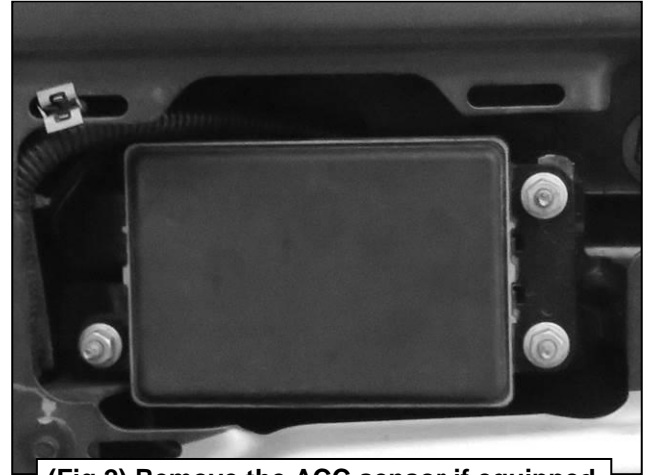
19. Do periodic inspections to the installation to make sure that all hardware is secure and tight.

To protect your investment, Do not use any type of polish or wax that may contain abrasives that could damage the finish. Mild soap may be used to clean the Front Bumper assembly.

Driver/Left Side Installation Pictured

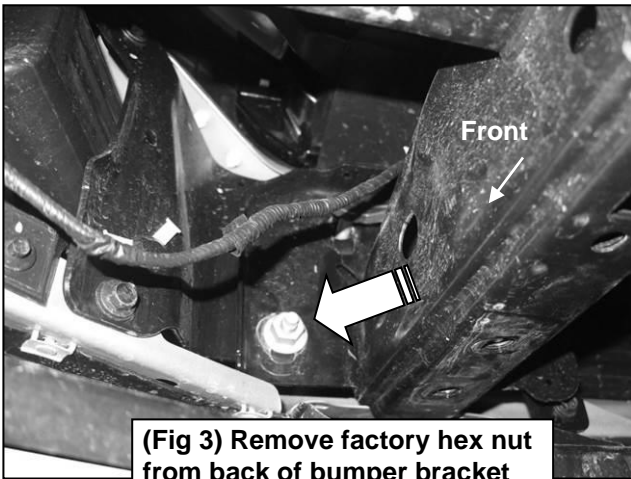


(Fig 1) Remove plastic bumper pad from bumper



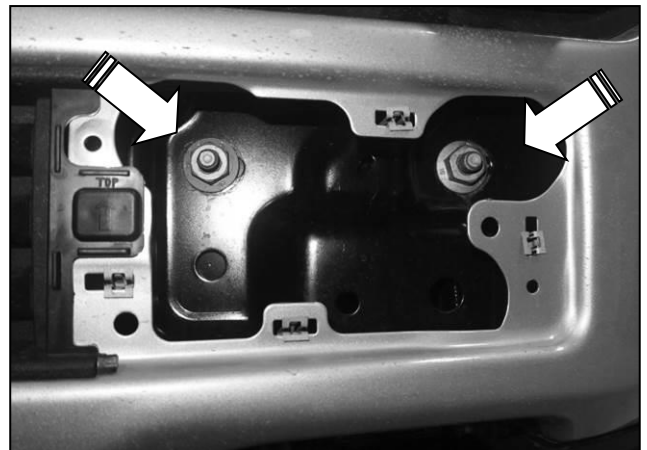
(Fig 2) Remove the ACC sensor if equipped

Driver/Left Side Installation Pictured

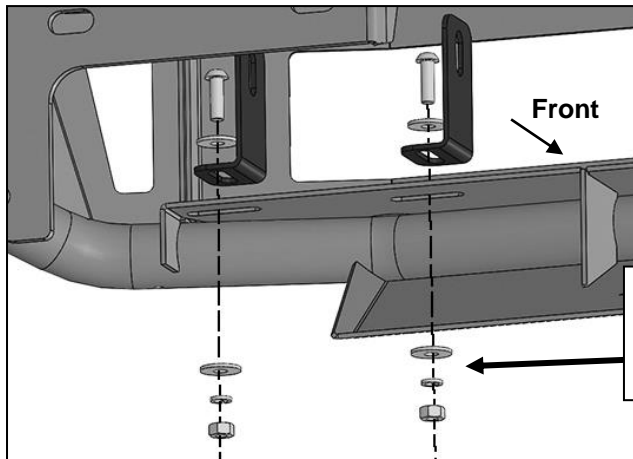


(Fig 3) Remove factory hex nut from back of bumper bracket

WARNING! Do not remove bumper bolts unless the bumper is properly supported on blocks or stands or the bumper may fall.



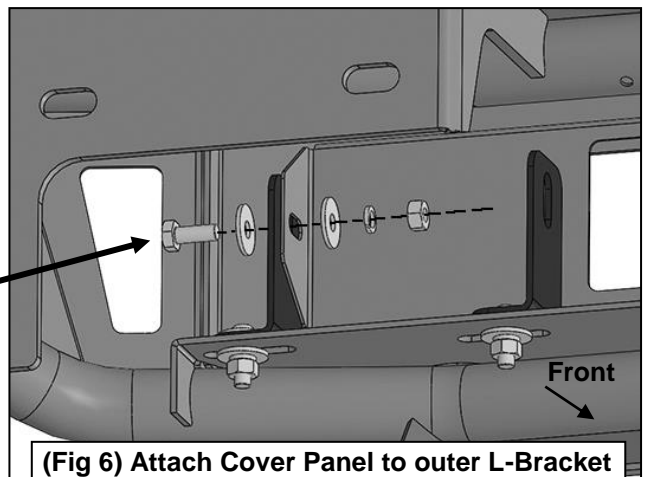
(Fig 4) Remove (2) factory hex nuts from each side



(Fig 5) Attach L-Brackets to the back of the Bumper (If installing a 30inch Light, only attach the outer L-Bracket. Light not included)

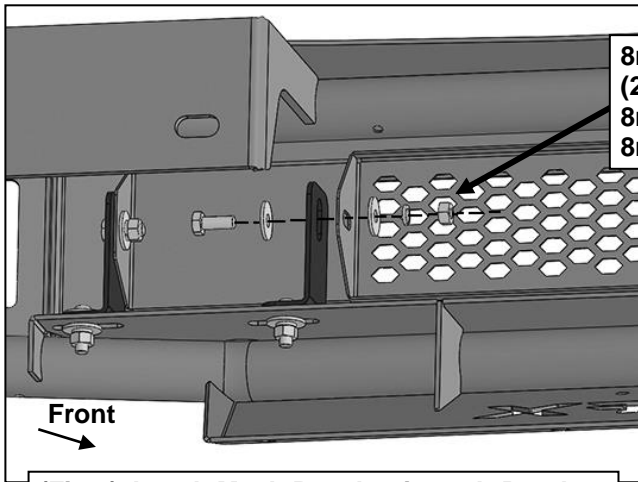
- (2) 8mm x 25mm Button Head Bolts
- (4) 8mm Flat Washers
- (2) 8mm Lock Washers
- (2) 8mm Hex Nuts

- 8mm x 20mm Hex Bolts
- (2) 8mm Flat Washers
- 8mm Lock Washers
- 8mm Hex Nuts



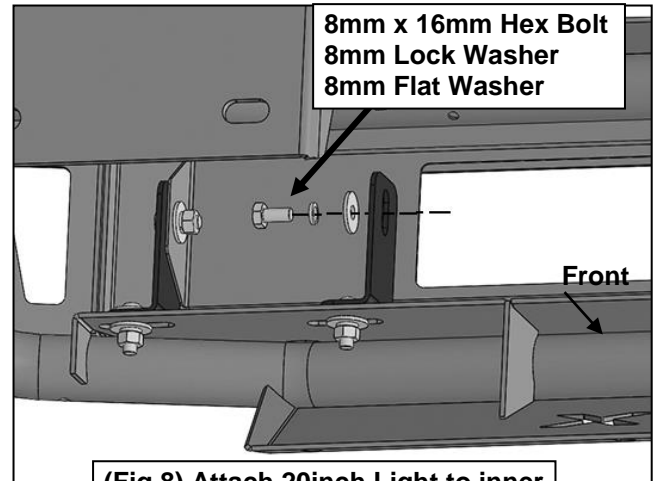
(Fig 6) Attach Cover Panel to outer L-Bracket

Driver/Left Side Installation Pictured



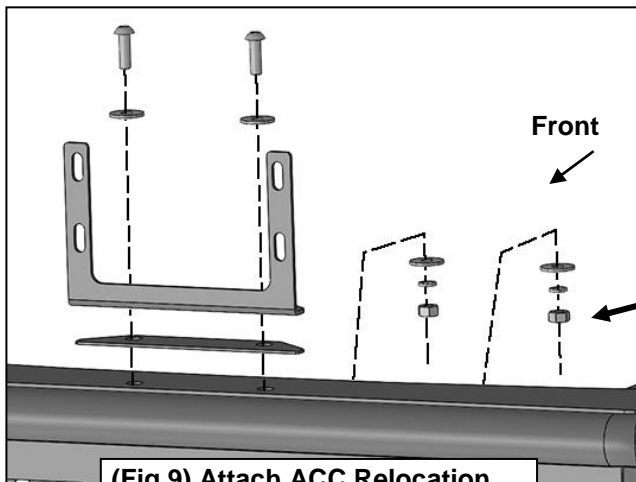
- 8mm x 20mm Hex Bolts
- (2) 8mm Flat Washers
- 8mm Lock Washers
- 8mm Hex Nuts

(Fig 7) Attach Mesh Panel to inner L-Bracket



- 8mm x 16mm Hex Bolt
- 8mm Lock Washer
- 8mm Flat Washer

(Fig 8) Attach 20inch Light to inner L-Bracket or 30inch Light to outer L-Bracket (Lights not included)

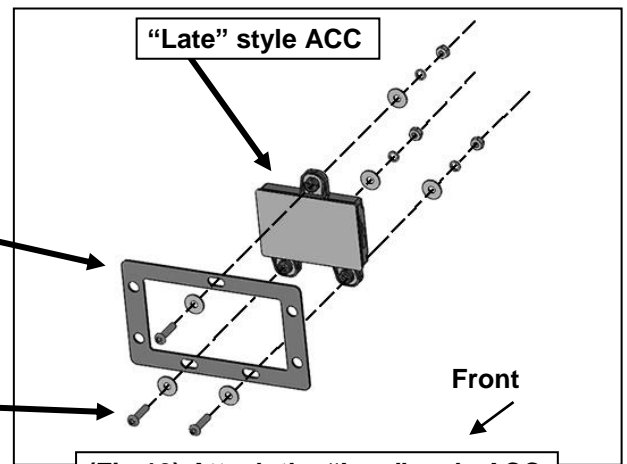


- (2) 8mm x 25mm Button Head Bolts
- (4) 8mm Flat Washers
- (2) 8mm Lock Washers
- (2) 8mm Hex Nuts

(Fig 9) Attach ACC Relocation Bracket to the top of the Bumper

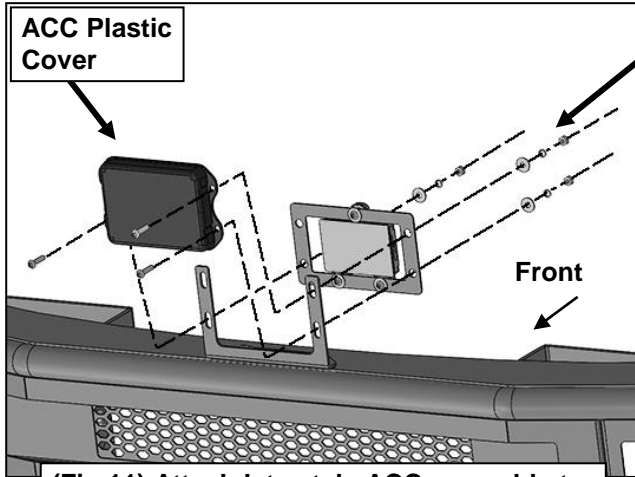
Adapter Plate for "late style" ACC Sensor

- (3) 6mm x 25mm Button Head Bolts
- (6) 6mm x 18mm Flat Washers
- (3) 6mm Lock Washers
- (3) 6mm Hex Nuts



(Fig 10) Attach the "Late" style ACC sensor to back of Adapter Plate

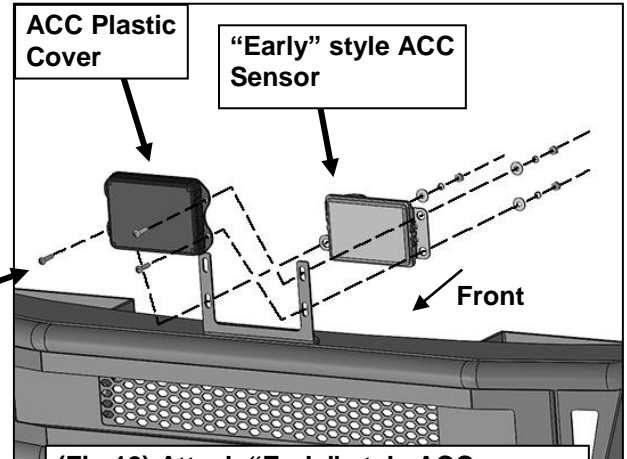
Driver/Left Side Installation Pictured



ACC Plastic Cover

- (3) 6mm x 25mm Button Head Bolts
- (3) 6mm x 18mm Flat Washers
- (3) 6mm Lock Washers
- (3) 6mm Hex Nuts

(Fig 11) Attach late style ACC assembly to the back of the ACC Mounting Bracket

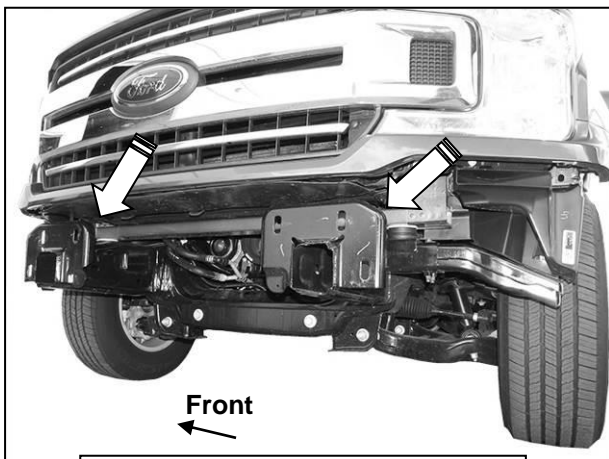


ACC Plastic Cover

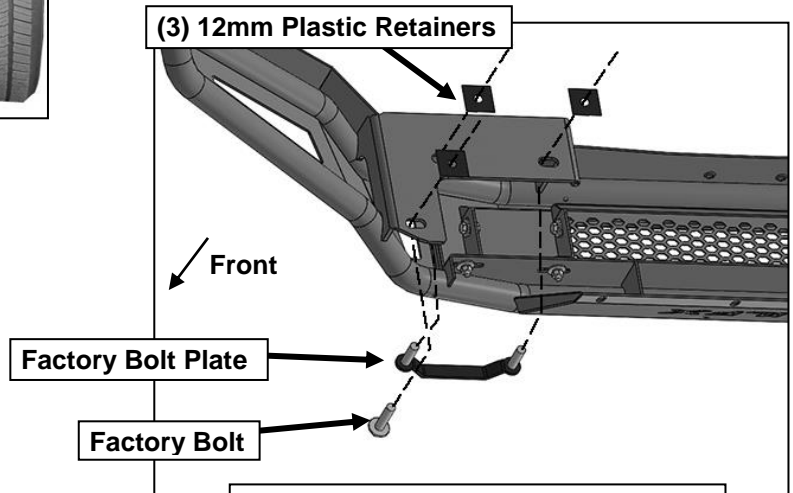
"Early" style ACC Sensor

- (3) 6mm x 25mm Button Head Bolts
- (3) 6mm x 18mm Flat Washers
- (3) 6mm Lock Washers
- (3) 6mm Hex Nuts

(Fig 12) Attach "Early" style ACC sensor to the back of the ACC Mounting Bracket



(Fig 13) Front mounting locations



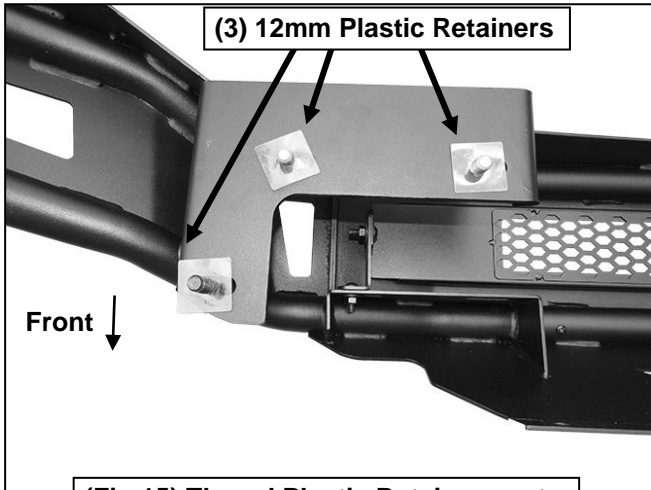
(3) 12mm Plastic Retainers

Factory Bolt Plate

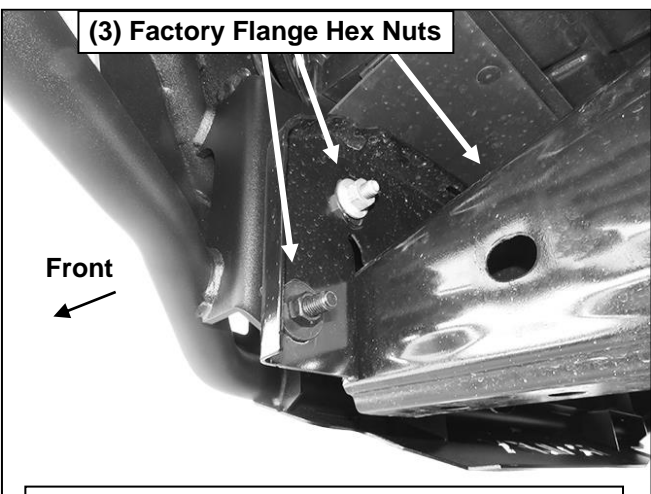
Factory Bolt

(Fig 14) Insert Factory Bolt Plate and Bolt into the back of the Bumper

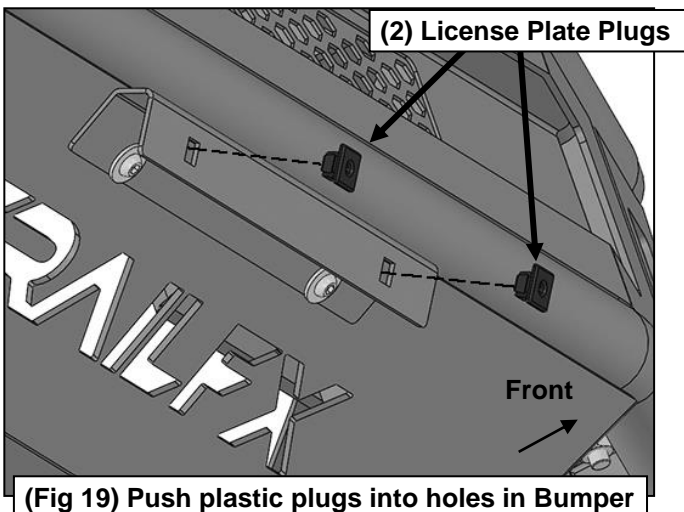
Driver/Left Side Installation Pictured



(3) 12mm Plastic Retainers
(Fig 15) Thread Plastic Retainers onto factory bolt plates and factory bolt

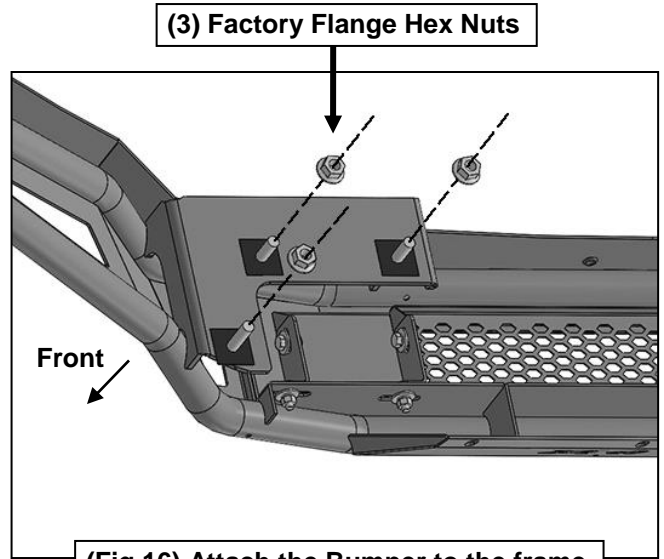


(3) Factory Flange Hex Nuts
(Fig 17) Bumper attached to Driver/Left frame



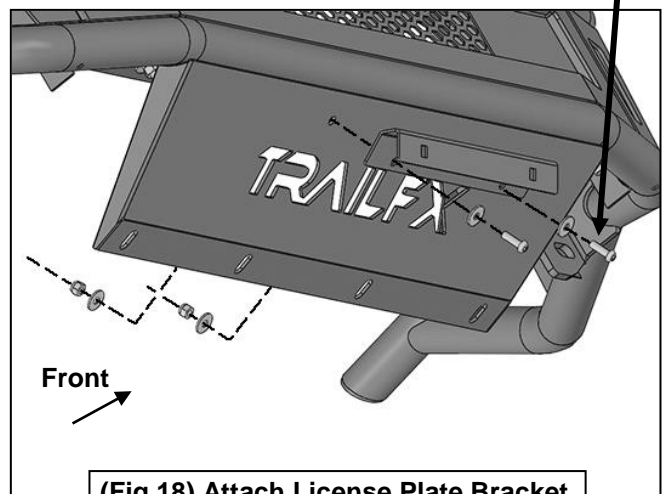
(2) License Plate Plugs
(Fig 19) Push plastic plugs into holes in Bumper

WARNING! Do not crawl under bumper unless the bumper is properly supported on blocks or stands or the bumper may fall.



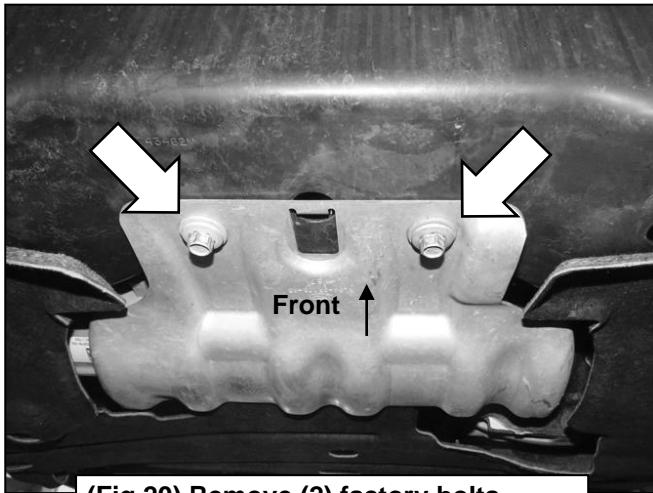
(3) Factory Flange Hex Nuts
(Fig 16) Attach the Bumper to the frame

- (2) 6mm x 20mm Button Head Bolts
- (4) 6mm x 18mm Flat Washers
- (2) 6mm Nylon Lock Nuts

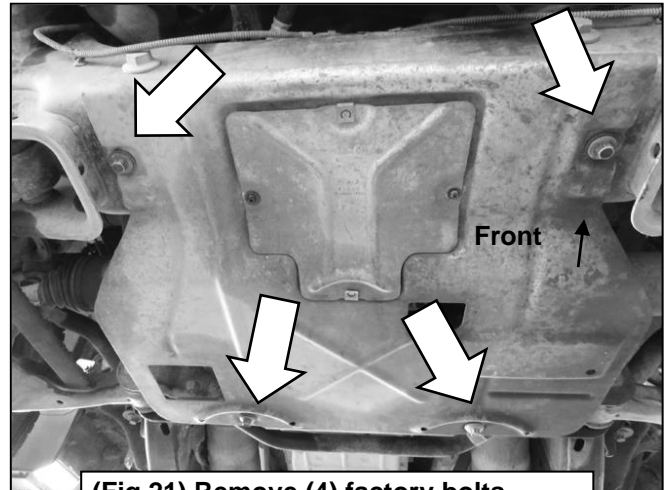


(Fig 18) Attach License Plate Bracket to the lower front of the Bumper

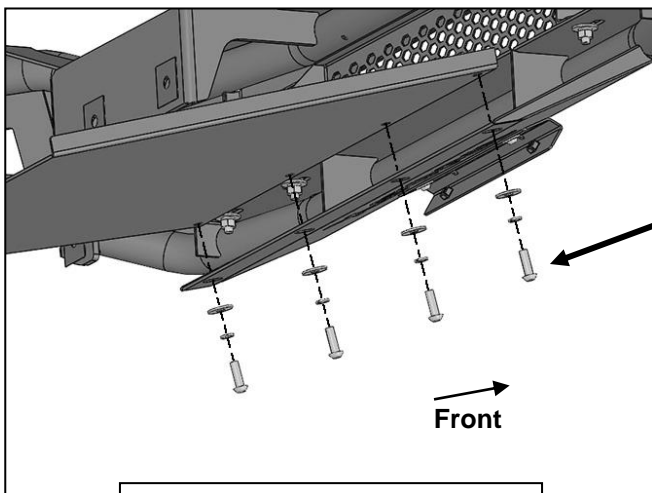
Skid Plate Installation Pictured



(Fig 20) Remove (2) factory bolts attaching factory skid plate to vehicle (Standard skid plate shown)

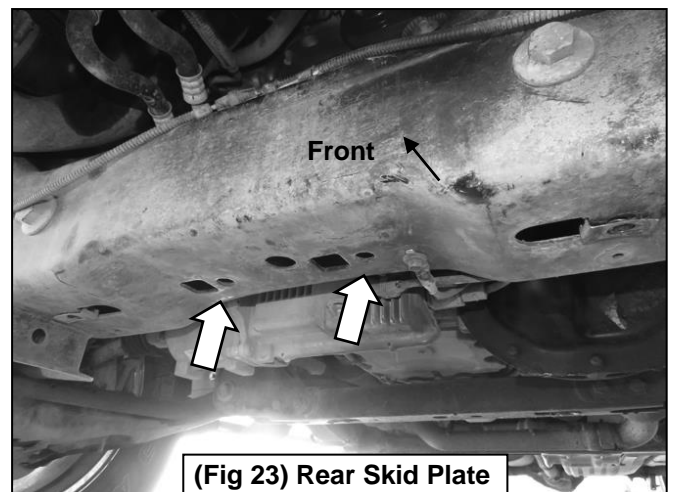


(Fig 21) Remove (4) factory bolts attaching factory skid plate to vehicle (Off-road skid plate shown)



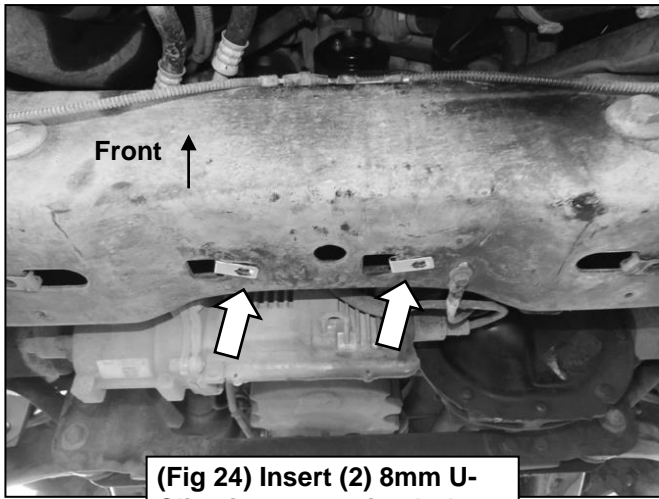
(Fig 22) Attach Skid Plate to the top of the back of the Bumper

- (4) 8mm Button Head Bolts
- (4) 8mm Lock Washers
- (4) 8mm x 24mm Flat Washers



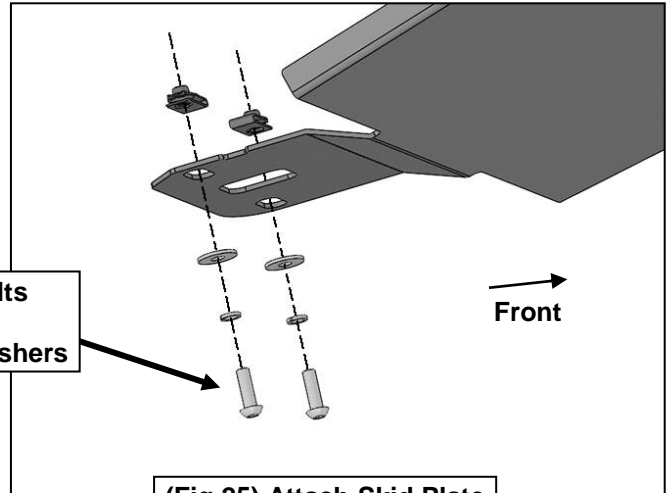
(Fig 23) Rear Skid Plate mounting location

Skid Plate Installation Pictured

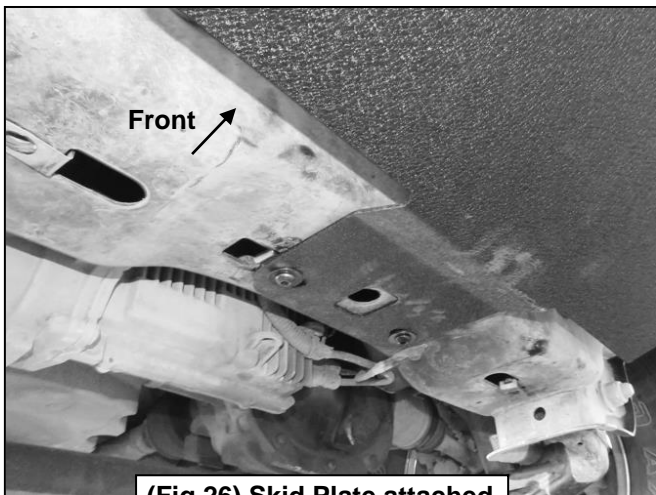


(Fig 24) Insert (2) 8mm U-Clips into mounting holes

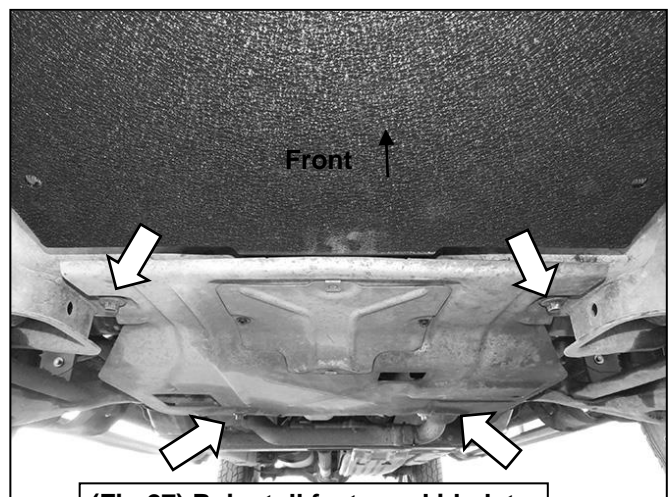
- (2) 8mm Button Head Bolts
- (2) 8mm Lock Washers
- (2) 8mm x 24mm Flat Washers



(Fig 25) Attach Skid Plate to the rear of the vehicle



(Fig 26) Skid Plate attached at the rear of the vehicle



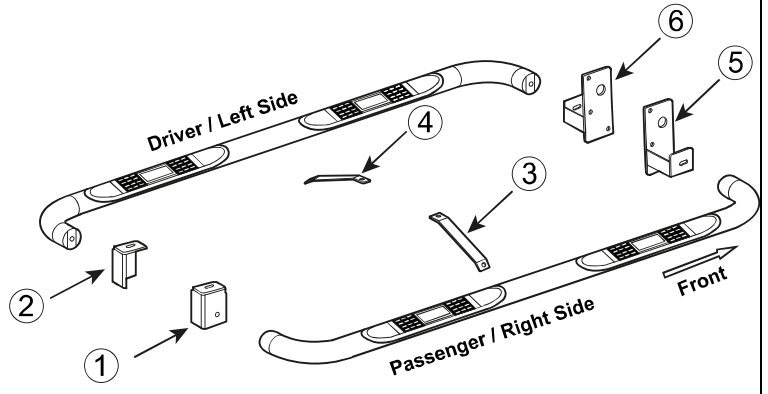
(Fig 27) Reinstall factory skid plate

PARTS IDENTIFICATION GUIDE

Driver Side tube packed using "Green" color foam sheet. Passenger Side tube packed using "White" color foam sheet

No.	Parts Identification
1	Passenger / Right 'Rear' Bracket marked "PR"
2	Driver / Left 'Rear' Bracket marked "DR"
3	Passenger / Right 'Center' Bracket marked "PC"
4	Driver / Left 'Center' Bracket marked "DC"
5	Passenger / Right 'Front' Bracket marked "PF"
6	Driver / Left 'Front' Bracket marked "DF"

Note:
 > This guide is to identify the parts and not a reference for part count.
 > For part count, refer Parts List.
 > Product / Bracket image is representative and actual design may vary.



PRODUCT CARE

- Periodically check the product to ensure all fasteners are tight and components are intact.
- Regular waxing is recommended to protect the finish of the product.
- **Use ONLY Non-Abrasive automotive wax.** Use of any soap, polish or wax that contains an abrasive is detrimental and can scratch the finish leading to corrosion.
- Aluminum polish may be used to polish small scratches and scuffs for **Stainless Steel finish.**
- Mild soap may be used to clean the product for both **Stainless Steel and Black finish.**

FAQ's

1. Hardware's are not of correct size.

In GMC / Chevrolet truck model 2006 & up, customer needs to reuse the factory body bolts to install the bracket. If your vehicle is not GMC / Chevrolet 2006 & up, ensure that holes are not partially covered with any plastic grommet or rust? If it is, remove the plastic grommet & rust from the thread holes & re-try the installation.

2. Mounting Bracket are not getting Installed properly.

In some cases Illustration images shown in Installation manual may not be the exactly same as per actual vehicle images ,also if Driver / Passenger side mounting brackets are very identical in the design, suggest referring Parts Identification guide to avoid fitment issue.

3. Products are thumping / rattling after installation.

Ensure that all required mounting brackets / hardware's are installed & tighten correctly. Suggest using white lithium / regular grease between the metal to metal contact surfaces.

4. Side Bar is not aligning with vehicle / Step Pads are not aligning with vehicle doors.

Side bar may be interchanged or mounting brackets are not installed at the correct position in the vehicle. Refer Parts identification guide.

5. Missing / Excess Hardware.

Recheck hardware count as per the part list.

6. Product not installing properly.

Ensure make model year, cab length and bed size of your vehicle is listed in the application. All installation steps are followed correctly.

Check out these other TrailFX Products!!

www.TrailFX.com



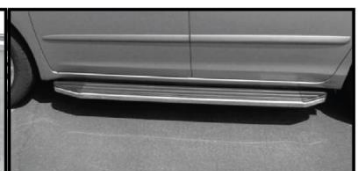
BULL BAR



GRILLE GUARDS



BED RAILS



RUNNING BOARDS



RUNNING BOARDS



RUNNING BOARDS

Free of defects in material and workmanship at the time of purchase by the or implied, including the warranty of fitness for a particular purpose or an or repair the product at our option, when the product is returned prepaid, of this product voids the warranty. KAO's liability is limited to repair or ability for any incidental or consequential loss or damage.