



## **REAR BUMPER INSTALLATION INSTRUCTIONS**

### **1992-2012 FORD VAN**

#### **Please read before beginning**

- *Stainless steel hardware may bind together when tightening—It is recommended that you apply an anti-seize assembly lubricant to the threads of each bolt before assembly*
- *This installation requires two people*
- *You may want to contact a body shop to perform certain steps of this installation if you are not comfortable with wiring or heavy tools*



#### **Required tools**

- Standard wrench set
- Allen wrench set
- (Optional) Pneumatic air chisel
- Hammer
- Metal punch
- Leveling tool

#### **Included hardware**

#### **Quantity**

- |  |       |
|--|-------|
| • Bumper mounting hardware                             |       |
| ○ 70036 – ½"-13 x 1 1/2" Hex bolt, grade 8             | 6     |
| ○ 70034 – ½"-13 Nuts with nylon locking insert         | 6     |
| ○ 70035 – ½" Washer (.09 Thickness)                    | 12    |
| • Support strap  |       |
| ○ 350177 – Shoulder bolt, 5/16"-18                     | 2     |
| ○ 70028 – 3/8" ID x 7/8" OD Stainless steel washer     | 6     |
| ○ 70029 – 3/8"-16 x 1 1/2" Stainless steel bolt        | 2     |
| ○ 70118 – 5/16"-18 Thin Nuts with nylon locking insert | 2     |
| ○ 350175 – Support strap, stainless steel              | 2     |
| • License plate hardware                               |       |
| ○ 70011 – 1/4-20 x 3/4" Stainless steel hex head bolt  | 2     |
| ○ 70008 – 1/4-20 Nuts with nylon locking insert        | 2     |
| ○ 70009 – 1/4 x 5/8 Washer SS (.03" Thick)             | 4     |
| • 400503.4 – Keys, Tool Box Lock Set                   | 1 Set |

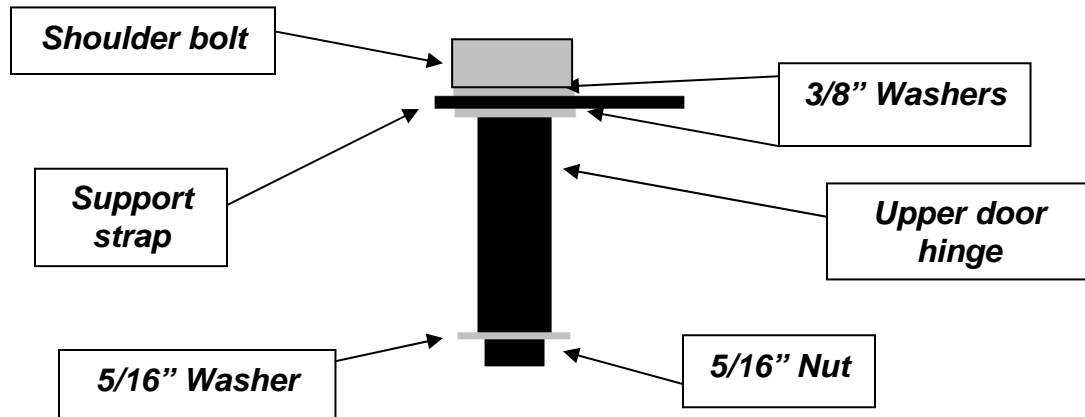
#### **Assembly instructions**

1. Remove the existing bumper
2. Before installing the new bumper you will need to remove the **upper door hinge pins** on each side:  
Tape a piece of cardboard below the hinge to protect the paint on the van



Drill the bottom of the hinge pin with a 3/8" drill bit 1/4" up into the hinge  
Use a hammer and punch or air chisel to drive the pin out of the hinge  
The pin is splined at the top and requires hard blows to remove

3. Use the provided shoulder bolt in place of the removed hinge bolts to attach the support straps to the top of upper door hinge with washers and bolts as shown in picture below



4. The tow light receptacle can be mounted to the bottom of the bumper or to the side of the lock box. It is less likely to get damaged if it is mounted out of sight to the side of the lock box. You will need to reroute the wire harness before installing the bumper
5. Set the Aluminess bumper on the tow hitch for balance
6. With one person holding the bumper, install the six 1/2"-13 x 1 1/2" bolts with large flat washers and nuts; it is easiest to install the bolts into the holes furthest from the center first
7. Tighten all six bolts so the bumper will be held in place but can still be moved, but do not fully tighten down the bolts yet
8. Visually inspect and adjust the bumper so it is centered side to side and level on top
9. Bend the support strap so it is flat against the top of the brush guard pole
10. Use the 3/8"-16 x 1 1/2" bolts and 3/8" washers on both sides of the strap to bolt the strap into the threaded hole on top of the brush guard pole
11. The installed support strap should resemble the picture below



12. Re-check the bumper to make sure it is level and tighten down the six 1/2"-13 x 1 1/2" mounting bolts to a maximum torque of 100 ft-lbs
13. Install the tow light receptacle if you have one
14. Move the license plate from back of the van to the bumper using the supplied 1/4"-20 x 3/4" bolts, 1/4" Washers, and 1/4"-20 Nylock Nuts