



## **TIRE RACK INSTALLATION INSTRUCTIONS**

### **92-11 Ford E-Series**

#### **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*



#### **Required tools**

- Drill and drill bits (1/4", 5/16", 3/8")
- 1/4-20 drill and tap set
- Standard wrench set
- Center punch or scribing tool

#### **Included hardware**

#### **Quantity**

- |   |   |
|---|---|
| • 350177 – Door Pin Assy, Ford E Series     | 1 |
| • 70118- 5/16-18 Nylock Nuts SS             | 1 |
| • 70028 - 3/8 x 7/8 Washer Flat SS          | 4 |
| • 70029 - 3/8-16 x 1 1/4" Hex Bolt SS       | 1 |
| • 300195 - Strap Ford Van                   | 1 |
| • 300199 - Tire Rack, Spacer Plate Ford Van | 1 |

#### **Assembly instructions**

1. Remove the nuts on the driver side existing rear bumper
2. Loosen the passenger side nuts
3. Before installing the tire rack you will need to remove the upper door hinge pin on the driver side
  - a. Tape a piece of cardboard below the hinge to protect the paint on the van
  - b. Drill the bottom of the hinge pin with a 3/8" drill bit 1/4" up into the hinge
  - c. Use a hammer and punch to drive the pin out of the hinge. The pin is splined at the top and requires hard blows to remove. A heavy hammer or 3 lb sledge is best. You will be attaching the stainless steel strap to the hinge bolt
4. Use the hinge bolt we provided. Put the hinge bolt thru the washer then thru the strap then thru the second washer
5. Place the nylock nut on the bottom of the hinge pin and lightly tighten it
6. Set the Aluminess tire rack between the bumper and frame mount
7. Re-insert the bolts on the bumper through the holes and tighten the bolts down about half way
8. Adjust the tire rack so it is level. Do not tighten until the strap is secured
9. Tighten the new door hinge pin down and bend the strap so it fits from the top of the hinge to the top of the pole
10. Put the 3/8" bolt through a washer, then the strap, then another washer, and then thread it into the top of the pole
11. Remove the nuts on the passenger side of the bumper and insert the spacer to keep the bumper even (parallel to the van)
12. Tighten the mounting bolts but make sure that the swing arm is level