

# INSTALLATION INSTRUCTIONS

## 1998-2000 Ford Ranger & Mazda B-Series Pickups

### Part 3044 / 3044-2

#### PARTS LIST:

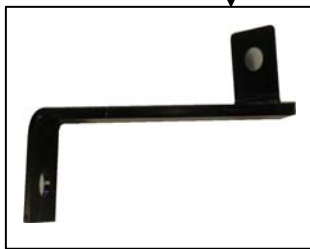
Qty	Description	Qty	Description
1	Grill Guard	2	12mm Lock Nuts
1	Driver/Left Upper Brace Bracket ( <b>Ranger</b> )	4	12mm ID x 35mm OD Flat Washers
1	Passenger/Right Upper Brace Mounting Bracket ( <b>Ranger</b> )	2	10mm x 30mm Hex Bolts
1	Driver/Left Upper Brace Bracket ( <b>Mazda</b> )	2	10mm Lock Nuts
1	Passenger/Right Upper Brace Bracket ( <b>Mazda</b> )	4	10mm ID x 27mm OD Flat Washers
2	12mm x 100mm Hex Bolts		

Driver/Left Side  
Brace Bracket  
Ranger only

Passenger/Right  
Side Brace Bracket  
Ranger only

Passenger/Right  
Side Brace Bracket  
Mazda only

Driver/Left Side  
Brace Bracket  
Mazda only



#### PROCEDURE:

1. REMOVE CONTENTS FROM BOX. VERIFY ALL PARTS ARE PRESENT. READ INSTRUCTIONS CAREFULLY BEFORE STARTING INSTALLATION.
2. From underneath vehicle locate the existing slotted holes in both side of the frame just behind the bumper, with assistance attach the grill guard to the inner side of frame using the 12mm x 100mm Hex bolts, 12mm flat washers & the 12mm lock nuts (**Note; due to variances in plastic below bumper some models may need trimming or notching of the plastic to allow for adjustment of grill guard.**) Snug hardware, but do not tighten hardware at this time.
3. Locate the factory bolts which are near the top back side of front bumper, these can be accessed from either reaching through the gap between the bottom of the grill and the top of bumper or from the underneath, depending on the space available, remove these factory bolts and attach upper brace brackets for your vehicle type (**refer to diagram below for bracket selection of vehicle type driver & passenger sides**) secure these brackets with the factory bolts. Snug but do not tighten hardware at this time. Secure the other ends of brackets to the grill guard with the 10mm fasteners, Snug hardware, but do not tighten hardware at this time.
4. Once all hardware is installed align your grill guard to vehicle, and tighten all hardware, Do periodic inspections to the installation to make sure all hardware is secure and tight.

**To protect your investment**, wax this product after installing. Regular waxing is recommended to add a protective layer over the finish. Do not use any type of polish or wax that may contain abrasives that could damage the finish.

**For stainless steel:** Aluminum polish may be used to polish small scratches and scuffs on the finish. Mild soap may be used also to clean the Product.

**For gloss black finishes:** Mild soap may be used to clean the Product.

