



Serial No.

## BX2170 Installation Instructions 1998-06 Ford Ranger 2WD

Installation of this baseplate requires removing the bumper and belly pan. Drilling is required. Trimming is required of belly pan and fascia. Attachment tabs are 24 inches center to center and 17 inches in height. The BX8869 is available for this vehicle.

1. The baseplate mounts to the frame using six bolts which are included with the baseplate. The lower plastic air dam needs to be trimmed for the attachment tabs to protrude.
2. There are four hex nuts that hold the bumper on the end of the frame rails. Remove the bolts with the 18MM socket and set the bumper aside.
3. The baseplate fits on the inside and bottom of the frame rails near the front of the frame. There are slots in the frame that will match up to the slots in the end pieces of the baseplate. Hold the baseplate up in position and then mark the location of the two round holes in the side of the end pieces. Remove the baseplate and drill 17/32" holes in these locations.
4. Position the baseplate on the frame again and start the bolts. The four nut plates supplied are to be used on the bolts going into the slotted holes and the nut wires for the two drilled holes. Use the flat washers to cover the slots. When all bolts are started, tighten completely. **Be sure and use loctite on all bolts before tightening. Tighten all bolts according to Torque Chart in the General Instruction sheet.**
5. Align holes of plate support to the outside of baseplate end, insert 3/8" hex bolt, fasten lock washer and hex nut, according to drawing on last page, both sides. Using the plate support as a template drill holes into the bottom of frame with the 13/32" drill bit, both sides. Insert 3/8" nut plates into frame end to align with drilled holes, install 3/8" hex bolts and lock washers, both sides, tighten all bolts. **Be sure and use loctite on all bolts before tightening. Tighten all bolts according to Torque Chart in the General Instruction sheet.**
6. Hold the bumper up to its original position, mark where the attachment tabs will protrude out, trim plastic on front bumper and reinstall bumper.
7. The dimensional variations between otherwise identical vehicles can be considerable. While the location and size of the holes in the baseplate were designed to allow for easy installation, it may be necessary to file a hole slightly to allow a bolt to clear.
8. Install the tow bar and safety cables according to the instructions included in their packages.
9. Do **not** substitute other devices if the tow bar pin and clip are lost.
10. **DEALER OR INSTALLER: BE CERTAIN THE USER RECEIVES THE INSTRUCTION SHEET.**



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### Tools Required

3/4" Socket  
10MM Socket  
Loctite

18MM Socket  
13/32" Drill Bit

9/16" Socket  
17/32" Drill Bit

### Parts List

Ref. No.	Qty.	Part No.	Description
1	1	61-5156	Weldment, Baseplate, BX2135/ BX2170
2	1	101-6609	Plate, Support, DS, BX2135
3	1	101-6610	Plate, Support, PS, BX2135
4	4	61-5159	Weldment, 1/2" Nut Plate
5	2	61-4029	Weldment, 1/2" Nut Wire
6	4	61-5208	Weldment, 3/8" Nut Plate, with Wire
7	6	201-0051	1/2-13 x 1 1/2" Hex Bolt, Grade 5
8	6	203-0012	1/2" Lock Washer
9	4	203-0005	1/2" Flat Washer
10	4	201-0368	3/8-16 x 1 1/4, Hex Bolt, Grade 5, ZP
11	4	201-0440	3/8-16 x 1 1/2, Hex Bolt, Grade 5, ZP
12	8	203-0010	3/8" Lock Washer
13	4	202-0003	3/8-16 Hex Nut, ZP
14	2	201-0553	1/4-20 x 1/2 Hx. Wshd, Type R Screw
15	2	201-0192	#10-32 x 1/2 Slot, Rd. Hd. Screw
16	2	203-0054	#10 Lock Washer
17	2	202-0047	#10 Hex Nut
18	2	101-5822	Adapter, 4 Way Connector
	2	226-0049	Baseplate Safety Cable, 36" CLIV (Not Shown)
	4	229-0512	Quicklink, 1/2, ZP (Not Shown)

