

GO RHINO! PRODUCTS 3000 SERIES INSTALLATION INSTRUCTIONS
2001 FORD RANGER 2/4WD PART NO. 3378M, 3378MC

REV.A 1/29/01

<u>QTY</u>	<u>PARTS DESCRIPTION</u>
2	NYLON FLANGED WASHERS
2	1/4" SOCKET SCREWS
4	3/8" X 1" BUTTON HEAD BOLTS
2	3/8" X 1 3/4" T-BOLTS
10	3/8" X 1" HEX HEAD BOLTS
12	3/8" HEX NUTS
8	3/8" FLAT WASHERS
12	3/8" LOCK WASHERS
2	1/2" X 4 1/2" HEX BOLTS
2	1/2" FLAT WASHERS
2	1/2" LOCK WASHERS
2	1/2" HEX NUTS
2	2" O.D. X 1/4" THICK- 1/2" HOLE WASHERS
2	1151A UPPER MOUNTING BRACKETS
1	1151D DRIVER SIDE FRAME BRACKET
1	1151P PASSENGER SIDE FRAME BRACKET

ASSEMBLY INSTRUCTIONS

STEP 1. BEGIN THE ASSEMBLY BY LOOSELY ATTACHING THE STEP TUBE TO THE GRILLE GUARD SIDE PLATES USING THE 3/8" X 1" BUTTON HEAD BOLTS.

STEP 2. POSITION THE TOP TUBE BETWEEN THE GRILLE GUARD SIDE PLATES. SLIDE THE BRUSH GUARDS THROUGH THE SIDE PLATES, FLANGED WASHERS AND INTO THE TOP TUBE.

STEP 3. ATTACH THE CENTER PLATE TO THE SIDE PLATES AND BRUSH GUARDS USING THE 3/8" X 1" HEX BOLTS, LOCK WASHERS, AND HEX NUTS.

STEP 4. ATTACH THE EURO TUBE TO THE BRUSH GUARDS USING THE 5/16" X 1 3/4" FLAT HEAD SCREWS.

STEP 5. ALIGN THE GRILLE AND BRUSH GUARD ASSEMBLY AND TIGHTEN ALL NUTS AND BOLTS. NOTE: SECURE THE TOP TUBE USING THE 1/4" SOCKET SCREWS.

STEP 6. ATTACH THE HEAD LIGHT PROTECTORS TO THE BRUSH GUARDS USING THE 1/4" X 3/4" BUTTON HEAD BOLTS AND TO THE SIDE PLATES USING THE 5/16" X 1" BUTTON HEAD BOLTS AND LOCK NUTS.

INSTALLATION INSTRUCTIONS

NOTE: IF EQUIPPED REMOVE THE ATTACHMENT SCREWS AND PLASTIC AIR DUCT FROM THE BOTTOM OF THE FRAME. THIS WILL MAKE ACCESS TO THE UPPER BUMPER BOLTS EASIER.

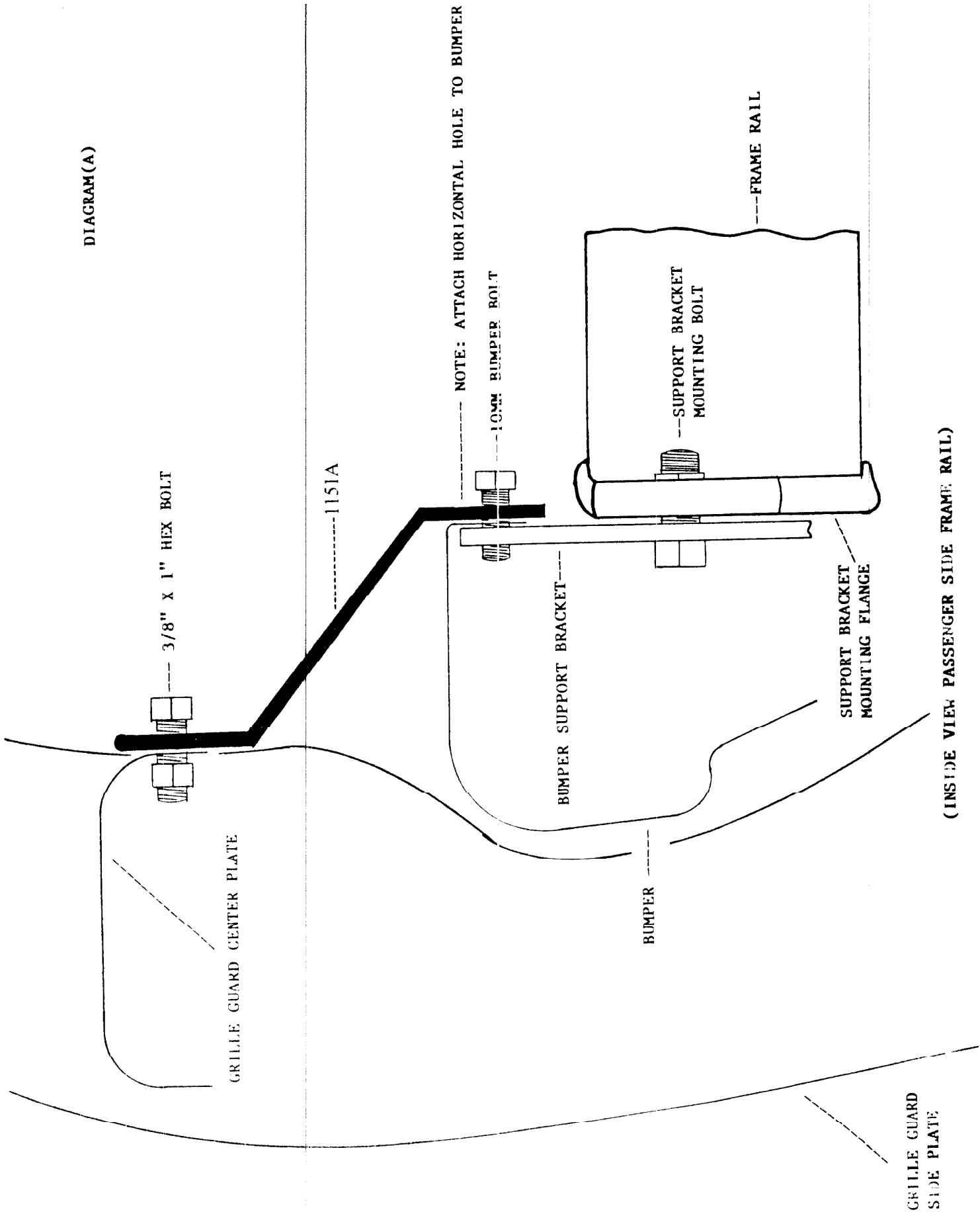
STEP 1. BEGIN THE INSTALLATION BY LOCATING AND REMOVING THE PASSENGER SIDE 10MM UPPER BUMPER BOLT THAT CONNECTS THE BUMPER TO THE BUMPER SUPPORT BRACKET. LOOSELY ATTACH ONE OF THE 1151A UPPER BRACKETS TO THE BUMPER SUPPORT BRACKET USING THE FACTORY BOLT AS SHOWN IN DIAGRAM (A).

STEP 2. LOOSELY ATTACH 1151P BRACKET TO THE BOTTOM OF THE FRAME USING THE 3/8" T-BOLT, AND TO THE SIDE USING THE 1/2" X 4" HEX BOLT, WASHERS AND NUTS AS SHOWN IN DIAGRAM (B).

STEP 3. REPEAT THE ABOVE STEPS FOR THE DRIVER SIDE BRACKETS.

STEP 4. ATTACH THE GRILLE AND BRUSH GUARD ASSEMBLY TO THE MOUNTING BRACKETS, USING THE 3/8" X 1" BOLTS, WASHERS, AND NUTS. ALIGN THE GRILLE GUARD ASSEMBLY WITH THE FRONT OF THE VEHICLE AND TIGHTEN ALL NUTS AND BOLTS. RE ATTACH AIR DUCT.

DIAGRAM (A)



(INSIDE VIEW PASSENGER SIDE FRAME RAIL)

FRONT VIEW PASSENGER SIDE FRAME BRACKET DIAGRAM (B)

