

VEHICLE INSTALLATION INSTRUCTIONS
DODGE RAM 4 X 4: 2003 - 2009 2500, 3500

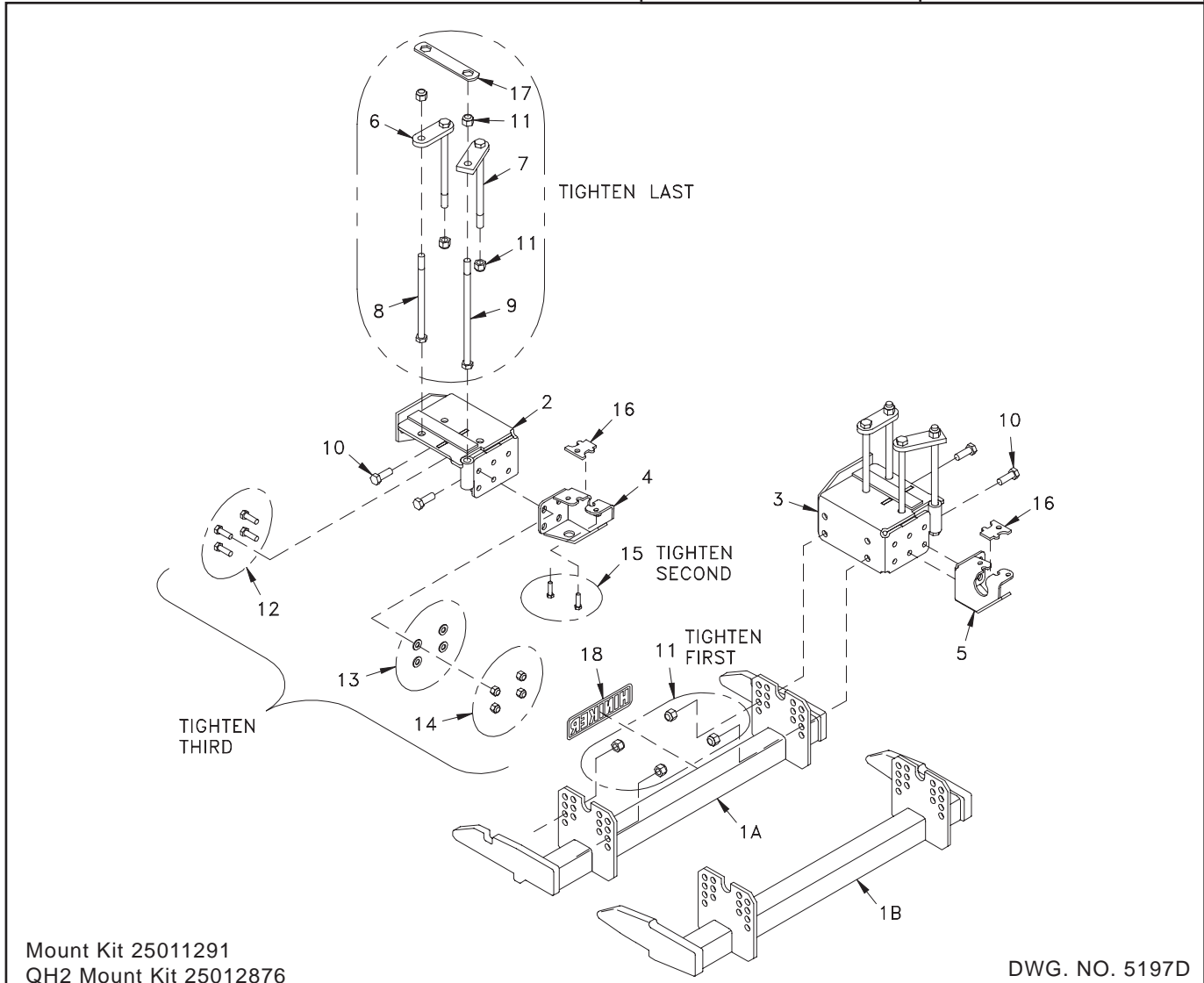
Hiniker Company
58766 240th St.
P.O. BOX 3407
Mankato, MN 56002

INSTRUCTION SHEET NO: 25013184

April 5, 2012

IMPORTANT: Read the Snowplow Operator's Manual before assembling this kit.

MINIMUM VEHICLE RECOMMENDATIONS	REAR BALLAST - 500 lbs. when plow is attached. Secure Weight Behind Rear Wheels.
-AHD Snowplow Prep Package	



Mount Kit 25011291
QH2 Mount Kit 25012876

DWG. NO. 5197D

REF. NO.	PART NUMBER	DESCRIPTION	QTY.	REF. NO.	PART NUMBER	DESCRIPTION	QTY.
1A	25010177	Prong Weldment	1	10	950-001-132	Hex Head Cap Screw 5/8-11 x 1 3/4 Gr. 5	8
1B	25012896	Prong Weldment - QH2	1	11	060756	Lock Nut 5/8-11 Nylon Insert	16
2	25011298	LH Bracket Weldment	1	12	950-001-125	Hex Head Cap Screw 1/2-13 x 1 1/2 Gr. 5	8
3	25011299	RH Bracket Weldment	1	13	952-003-004	SAE Flat Washer, 1/2 Inch	8
4	25011309	LH Rear Bracket Weldment	1	14	951-003-009	Lock Nut 1/2-13 Nylon Insert	8
5	25011310	RH Rear Bracket Weldment	1	15	950-011-058	Hex Head Cap Screw M10 x 1.5 x 35 Class 10.9	4
6	25012632	Narrow Clamp Weldment (Round End)	2	16	25011316	Spacer Plate	2
7	25012633	Wide Clamp Weldment (Square End)	2	17	25011315	Nut Bar Tool	1
8	950-001-230	Hex Head Cap Screw 5/8-11 x 9 1/2 Gr. 5	2	18	25010008	Hiniker Decal	1
9	950-001-303	Hex Head Cap Screw 5/8-11 x 12 Gr. 5	2		25011314	Bolt Bag	

All hardware should be tightened only enough to ensure safety during assembly. Fully tighten all hardware after entire assembly is completed.

GRADE 5 TYPE B & F LOCK NUT TORQUES

Size	Ft-lbs.	N-m
5/16"	13-18	17-25
3/8"	23-33	31-44
1/2"	58-82	79-112
5/8"	117-165	158-223

GRADE 5 BOLT TORQUES*

Size	Ft-lbs.	N-m
1/4"	8-12	11-16
3/8"	29-41	39-56
1/2"	73-103	99-140
5/8"	146-206	198-279

* applications without lock nuts

1. Remove two narrow (round end) and two wide (square end) clamp weldments from the mount kit hardware bag. Also remove two 5/8 inch X 9 1/2 inch and two 5/8 inch X 12 inch hex bolts from the bag along with eight 5/8 inch lock nuts.

Slip the narrow clamps over the left and right vehicle rails ahead of the frame towers with rods inboard of the rails, as shown at location 1.

Slip the wide clamps over the vehicle rails behind the frame tower, as shown at location 2.

NOTE: Do Not pinch lines or wires between clamps and the vehicle frame.

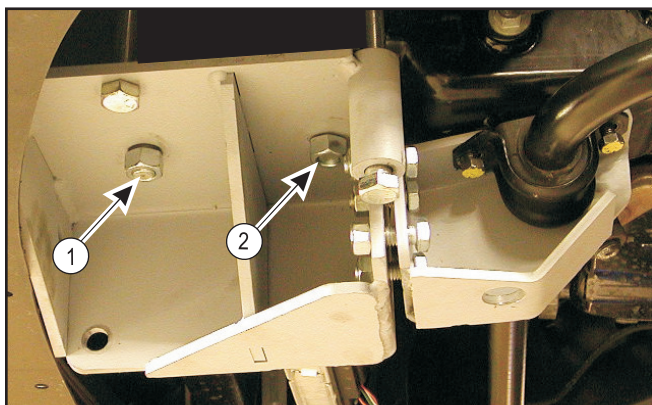


PHOTO NO. 4215A

Carefully lift the LH and RH bracket weldments to the vehicle rails so that the clamp rods go through the inboard holes of the brackets. Loosely thread 5/8 inch lock nuts onto the rods.

Assemble a 5/8 inch X 9 1/2 inch hex bolt up through the front outboard hole in each bracket and through the narrow clamp. Loosely thread a 5/8" lock nut onto each bolt. Likewise, insert a 5/8 inch X 12 inch hex bolt up through the bushing on each bracket and through the wide clamp and secure with a lock nut.

2. On one side of the vehicle at a time, remove two 10 mm bolts that fasten the torsion bar bushing to the bottom of the vehicle frame.

These four bolts will be replaced with longer bolts in the hardware bag during installation of the rear brackets.

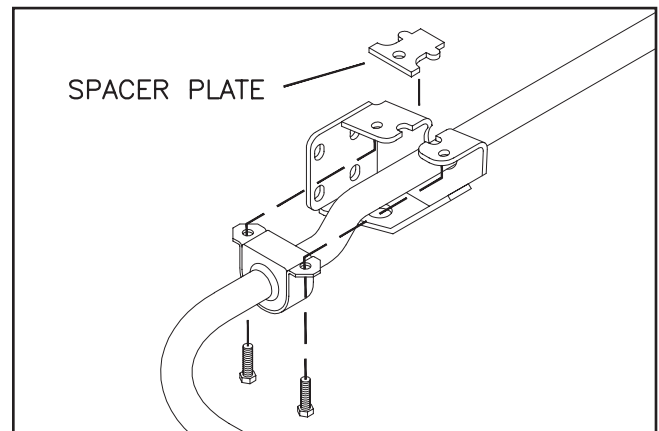


PHOTO NO. 5202

Slide the rear bracket between the torsion bar bushing and frame rail, then install a spacer plate from the hardware bag in the notch of the bracket to provide an upper surface for the bushing. Loosely fasten the assembly to the frame with M10 X 1.5 X 35 Class 10.9 hex bolts from the hardware bag.

IMPORTANT: Take great care not to cross-thread or strip threads in the vehicle frame!

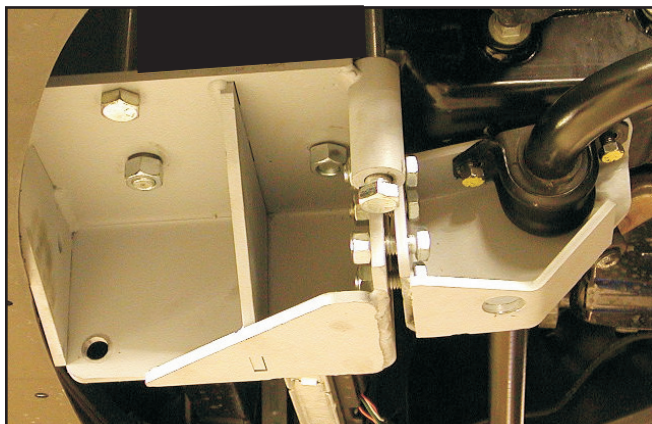


PHOTO NO. 4215

Insert four 1/2 inch X 1 1/2 inch hex bolts per side between the front and rear brackets. Loosely secure the assembly with 1/2 inch washers and lock nuts.

3. Fasten the mount plates of the prong weldment to holes in the LH and RH front brackets with eight 5/8 inch X 1 3/4 inch hex bolts and lock nuts.



PHOTO NO. 4216

Bottom edges of the prongs should measure about 10 inches above the ground. Ideally, the prongs should lift the plow frame slightly when driving into the plow.

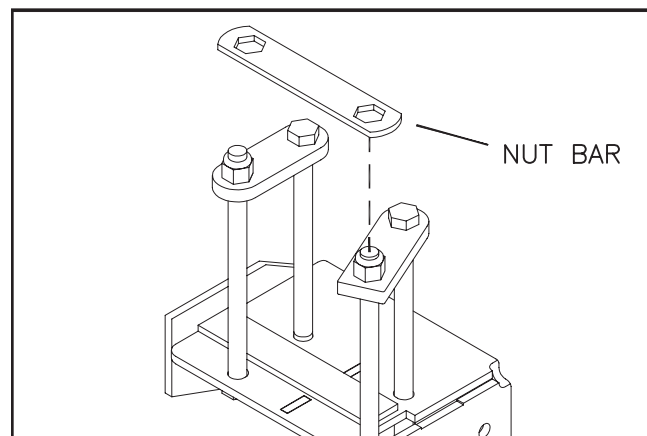
4. Fully tighten mount kit hardware according to the following procedure:

- First tighten the four bolts attaching the prong weldment to the front brackets.

- Second, tighten the four 10 mm bolts holding the rear brackets and torsion bar bushings to the vehicle frame. Again, use care not to damage threads in the frame.

- Third, tighten the four bolts per side fastening the rear brackets to the front. This should pull the front brackets tight against the fronts of the vehicle rails.

- Finally, tighten the four 5/8 inch lock nuts per side on the bolts and clamps holding the front brackets against the bottoms of the vehicle rail.



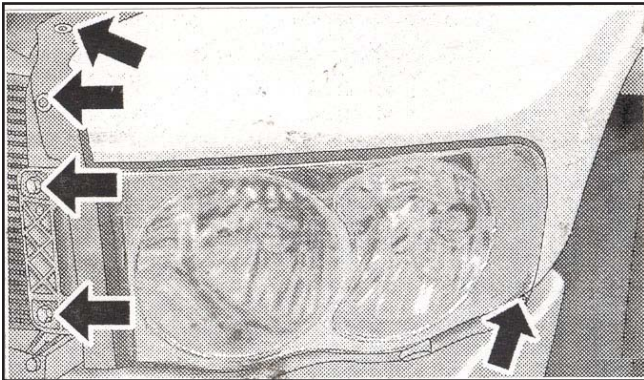
DWG NO. 5203A

Use the nut bar tool to prevent the upper lock nuts from spinning while tightening on the bolt heads from below when clearance is minimal. Brackets should draw tight against the rails.

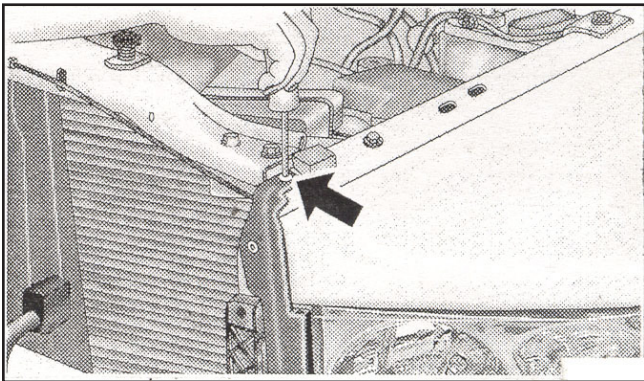
HEADLIGHT REMOVAL

The following instructions are reprinted from the 2003 Dodge Ram owner's manual. Follow these instructions when installing the mount kit headlight adapters.

1. Remove the two (2) expanding fasteners from the headlight welt.

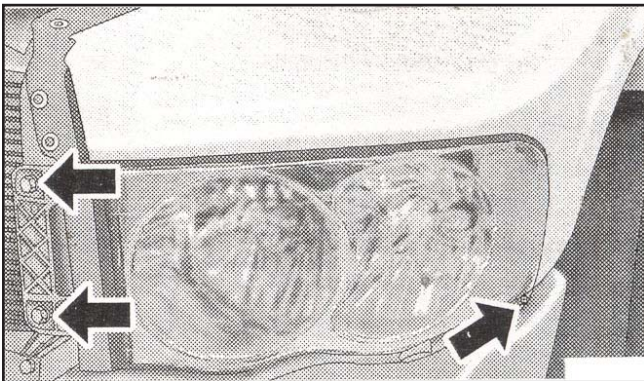


DWG NO. A

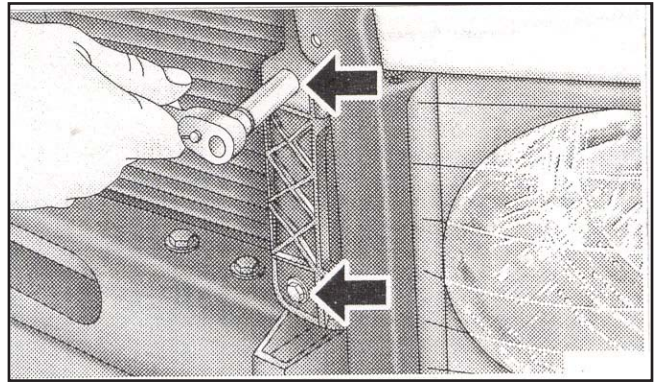


DWG NO. B

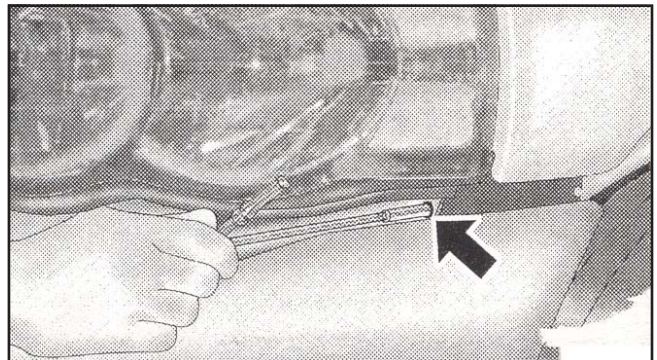
2. Remove the three (3) bolts from the headlight housing.



DWG NO. C

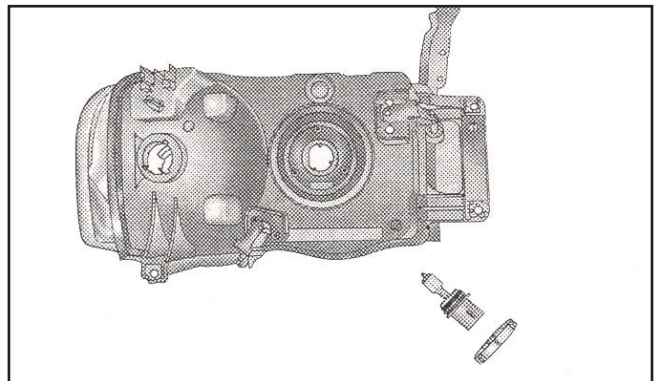


DWG NO. D



DWG NO. E

3. Pull the housing out from the fender to allow room to disconnect the electrical connectors.



DWG NO. F