

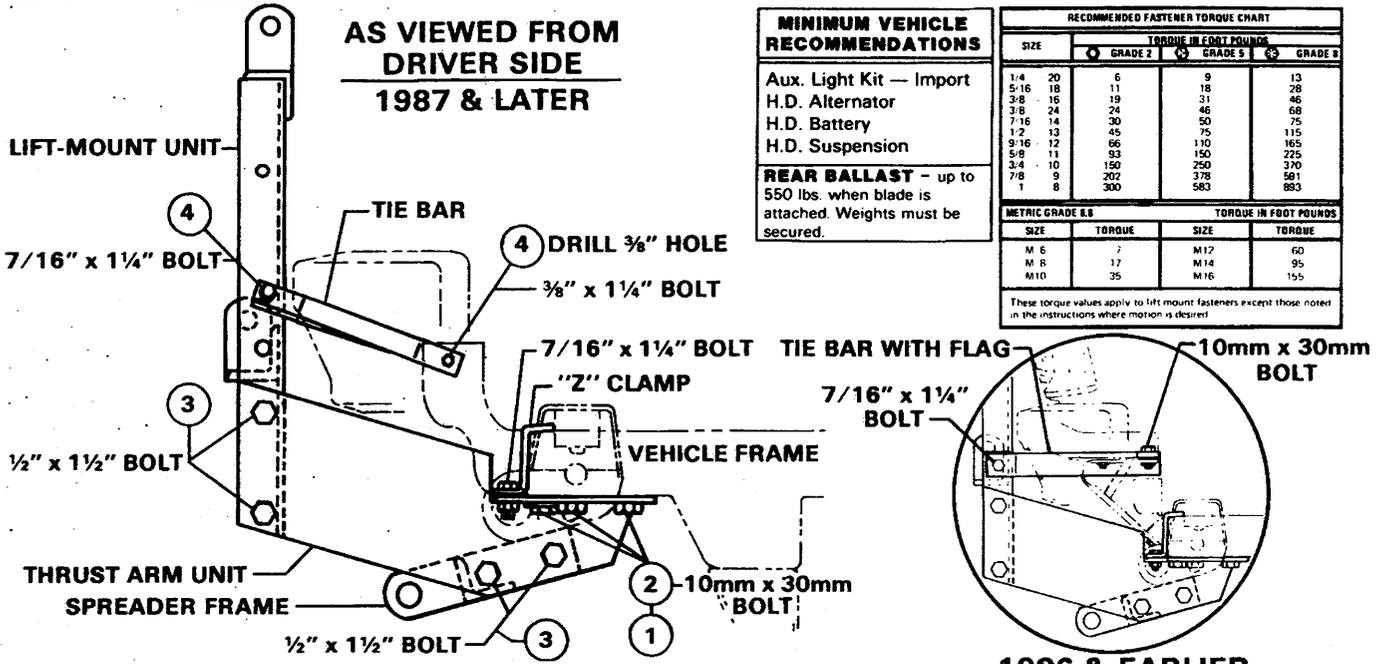


WESTERN PRODUCTS
 7777 NORTH 73RD STREET
 P.O. BOX 23045
 MILWAUKEE, WISCONSIN 53223

A DIVISION OF DOUGLAS DYNAMICS, INC.

Box No. 60330
 Model No. 950
 Dodge Power Ram 50 4x4
 Lift-Mount 1983 & Later

INSTALLATION INSTRUCTIONS



MINIMUM VEHICLE RECOMMENDATIONS

Aux. Light Kit — Import
 H.D. Alternator
 H.D. Battery
 H.D. Suspension

REAR BALLAST — up to 550 lbs. when blade is attached. Weights must be secured.

RECOMMENDED FASTENER TORQUE CHART

SIZE	TORQUE IN FOOT POUNDS			
	GRADE 2	GRADE 5	GRADE 8	GRADE 9
1/4 - 20	6	9	13	13
5/16 - 18	11	18	28	28
3/8 - 16	19	31	46	46
7/16 - 14	24	46	68	68
1/2 - 13	30	50	75	75
9/16 - 12	45	75	115	115
5/8 - 11	66	110	165	165
3/4 - 10	93	150	225	225
7/8 - 9	150	250	370	370
1 - 8	202	378	561	561
	300	583	883	883

METRIC GRADE 8.8		TORQUE IN FOOT POUNDS	
SIZE	TORQUE	SIZE	TORQUE
M 6	7	M12	60
M 8	17	M14	95
M10	35	M16	155

These torque values apply to lift mount fasteners except those noted in the instructions where motion is desired.

1986 & EARLIER

IMPORTANT: Read instructions before assembling. Bolts should be finger tight until the installation is completed to allow sufficient adjustment for aligning holes and locating parts to vehicle frame. Preventive maintenance can prevent accidents. Regularly inspect all components and repair or replace any worn, loose or damaged parts immediately. Remember to use standard methods and practices when attaching snowplow including wearing safety glasses during drilling.

**LIFT-MOUNT ASSEMBLY:
 1987 & LATER**

1. Remove skid plate, pan shield and toe hook. Remove bumper with front brackets and narrow body sheet metal panel (behind bumper). Replace panel screws in body and reattach bumper. Retain all parts and reinstall whenever Lift-Mount is removed from vehicle.
2. Locate curb and driver side thrust arms to bottom of frame rail and front cross member, abutting to inside of the outboard plates with the large hole. Secure using three (3) furnished 10mm x 30mm bolts, flat washers to slots, and lock washers into weld nuts. Position "Z" clamps to grip cross member of vehicle frame and secure to thrust plates with furnished 7/16" x 1/4" bolts, flat washers to slots and locknuts.
3. Attach Lift-Mount unit and spreader frame to thrust arms with furnished 1/2" x 1 1/2" bolts and locknuts.

TIGHTEN ALL BOLTS TO CORRESPONDING TORQUE VALUES NOTED IN FASTENER TORQUE CHART.

4. Locate curb and driver side tie bars through cut-outs in bumper and secure to lift with furnished 7/16" x 1/4" bolts and locknuts. Use rear hole in tie bar for pilot and drill 3/8" hole thru side of upright frame horn. Secure with furnished 3/8" x 1/4" bolt and locknut.

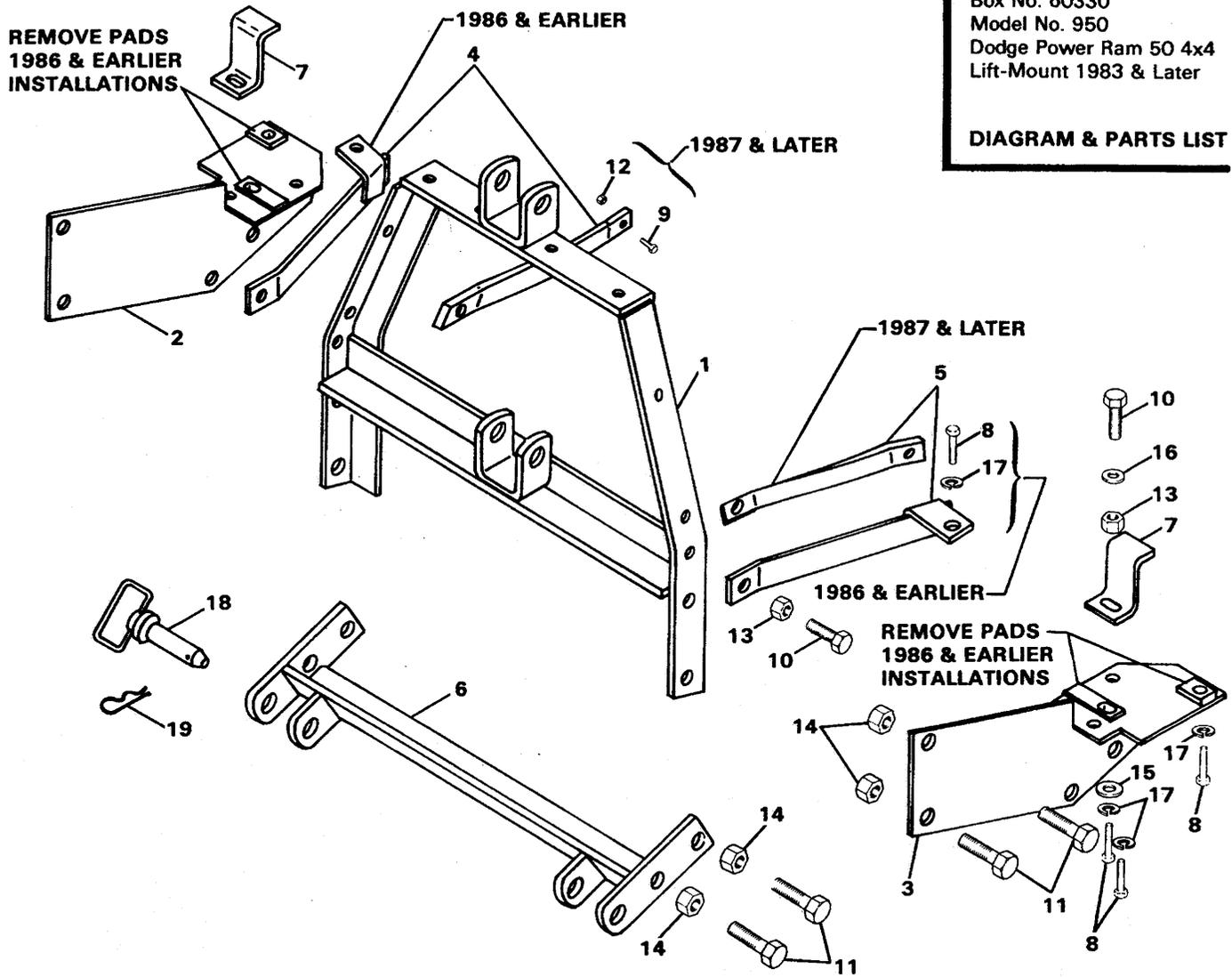
1986 & EARLIER

1. Remove skid plate, pan shield and tow hook. Remove narrow body sheet metal panel (below bumper) and replace screws in body. Retain all parts and reinstall whenever Lift-Mount is removed from vehicle.
2. Remove bumper brace rear bolt only on both driver and curb side. See illustration for removal of proper bolt. Bumper will remain in original position, therefore, it is not necessary to remove the forward bumper brace bolt.
3. Remove spacer pads from thrust arm mounting plates. Locate curb and driver side thrust arms to bottom of frame rail and front cross member, abutting to inside of the outboard plates with the large hole. Secure using three (3) furnished 10mm x 30mm bolts, flat washers to slots and lock washers into weld nuts. Position "Z" clamps to grip cross member of vehicle frame and secure to thrust plate with furnished 7/16" x 1/4" bolts, flat washers to slots and locknuts.
4. Attach Lift-Mount unit and spreader to thrust arms and secure with furnished 1/2" x 1 1/2" bolts and locknuts.
5. Locate curb and driver side tie bars through cut-outs in bumper and position flag of tie bars to rear hole on top of bumper brace — Ref. Step 2. Secure the bars to bumper braces using furnished 10mm x 30mm bolts and lock washers and to side of Lift-Mount frame with furnished 7/16" x 1/4" bolts and locknuts.

TIGHTEN ALL BOLTS TO CORRESPONDING TORQUE VALUES NOTED IN FASTENER TORQUE CHART.

LIGHT KIT ASSEMBLY — USE LOW-PROFILE LIGHT KIT ASSEMBLY FOR IMPORT VEHICLES — BOX NO. 60502

DO NOT drill instrument panel for mounting the headlight toggle switch.



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13289-8611

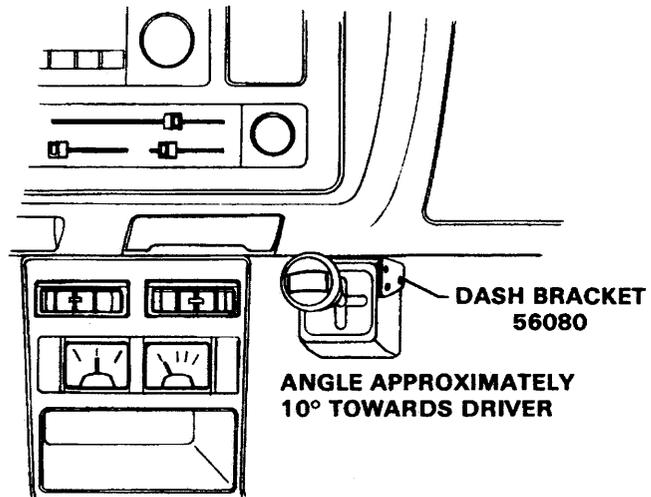
Item	Part No.	Quantity	Description
1	60347	1	Lift-Mount Unit
2	60350	1	Thrust Arm Unit — Curb Side
3	60351	1	Thrust Arm Unit — Driver Side
4	60713	1	Tie Bar — Curb Side (1987 & Later)
	60357	1	Tie Bar Unit — Curb Side (1986 & Earlier)
5	60714	1	Tie Bar — Driver Side (1987 & Later)
	60358	1	Tie Bar Unit — Driver Side (1986 & Earlier)
6	60354	1	Spreader Frame Unit
7	60361	2	"Z" Clamp
8	95050	8	Capscrew — 10mm-1.25 x 30mm Long — Grade 8.8
9	90055	2	Capscrew — 3/8"-16 x 1-1/4" Long — Grade 8 (1987 & Later)
10	90066	4	Capscrew — 7/16"-14 x 1-1/4" Long — Grade 5
11	90100	8	Capscrew — 1/2"-13 x 1-1/2" Long — Grade 5
12	91333	2	Locknut — 3/8"-16 Nylon Insert Type (1987 & Later)
13	91334	4	Locknut — 7/16"-14 Nylon Insert Type
14	91335	8	Locknut — 1/2"-13 Nylon Insert Type
15		2	Flat Washer — 3/8" Standard
16		2	Flat Washer — 7/16" Standard
17	95173	8	Lock Washer — 10mm
18	93028	2	Hitch Pin — 1" x 3-1/2" Long
19	91965	2	Hairpin Cotter — 5/32" x 2-15/16" O/A Length

NOTE: Only those items listed with a **PART NUMBER** are available for service.

INSTALLATION INSTRUCTIONS

For — IIIa Control
Dodge Power Ram 50 4x4

DASH MOUNT — Thru 1986

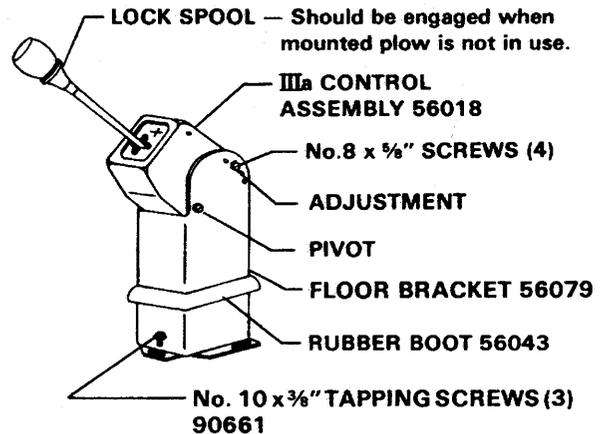
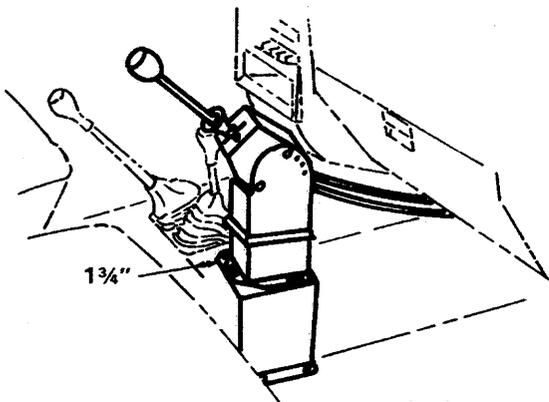


1. Secure the dash bracket to the IIIa Control using four (4) No. 8 x 5/8" long hex head screws.
2. Locate IIIa Control to the dash as shown, to the right of console. The bracket should fit fairly flat against the bottom surface of the dash. Verify that IIIa Control lever will clear vehicle components in all positions and for adequate drill clearance before drilling holes.
3. Mark this location.
4. Remove the bracket from the IIIa Control. Place the bracket in the selected location under the dash and mark all four (4) holes.
5. Drill 1/8" diameter holes into the dash to align to the holes in the bracket. Secure using No. 10 sheet metal screws and lock washers.
6. Place IIIa Control into bracket and fasten in desired position.

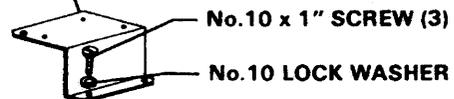
INSTALLATION INSTRUCTIONS

For — IIIa Control
Dodge Power Ram 50 4x4

FLOOR MOUNT — 1987 & Later



FLOOR BRACKET STOOL
60715



1. Position floor bracket stool 1 3/4" from edge of transfer case boot as shown. Mark location of the three (3) mounting holes and drill two (2) 9/64" diameter holes into the floor and one (1) 9/64" diameter hole into tunnel. Secure with three (3) No. 10 x 1" sheet metal screws and lock washers.
2. Assemble the floor bracket to floor bracket stool using three (3) No. 10 x 3/8" long hex head tapping screws. Place rubber boot onto body of floor bracket. Slide boot down to cover mounting screws.
3. Pass control cables through holes drilled in passenger side of firewall per hydraulic system instructions.
4. Assemble the IIIa Control to the floor bracket in desired position using four (4) No. 8 x 5/8" long hex head screws.

**INSTALLATION INSTRUCTIONS
FOR 59700 BLADE GUIDE ASSEMBLY**

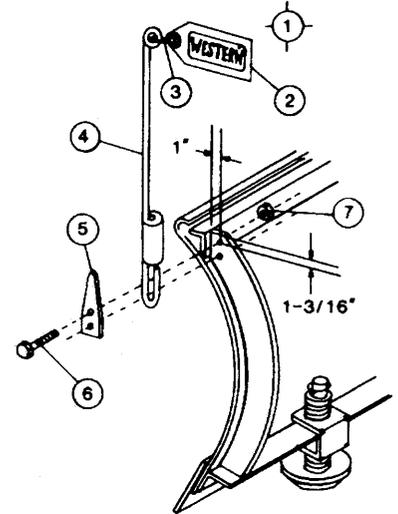
The following instructions simply outline the attachment of this blade guide assembly.

- Step 1. Lower blade to ground level.
- Step 2. If hole is not pre-drilled, drill one 11/32" hole, 1-3/16" down and 1" out on the outside rib of the blade. See diagram below.
- Step 3. Insert pointed end of clamp into coil of guide. Attach guide to rib using top hole of clamp. Secure assembly using supplied 5/16" x 1" bolt and locknut. Tighten until guide will stand alone perpendicular to road surface.
- Step 4. If hole is not pre-drilled, use lower hole of clamp as locator, drill bottom hole 11/32".
- Step 5. Bolt lower hole in place. Finish securing top bolt.
- Step 6. Attach other side following above steps.

Pictorial view supplied below. Remember to use standard methods and practices in attaching blade guides including wearing safety glasses during drilling.

**PARTS LIST
59700 — BLADE GUIDE ASSEMBLY**

Item	Part No	Quan.	Description
1	59697	2	Blade Guide Rod, S-Hook & Flag
2	59694	1	Flag
3	59696	1	S-Hook
4	59691	1	Blade Guide Rod
5	59946	2	Clamp
6		4	Capscrew — 5/16"-18 x 1" Gr.2
7		4	Locknut - 5/16"-18 Nylon Insert



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