



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

**DD** A DIVISION OF DOUGLAS DYNAMICS, INC.

Box No. 61355  
 Model No. 910  
 Dodge Dakota 4 x 4  
 '91 & Later

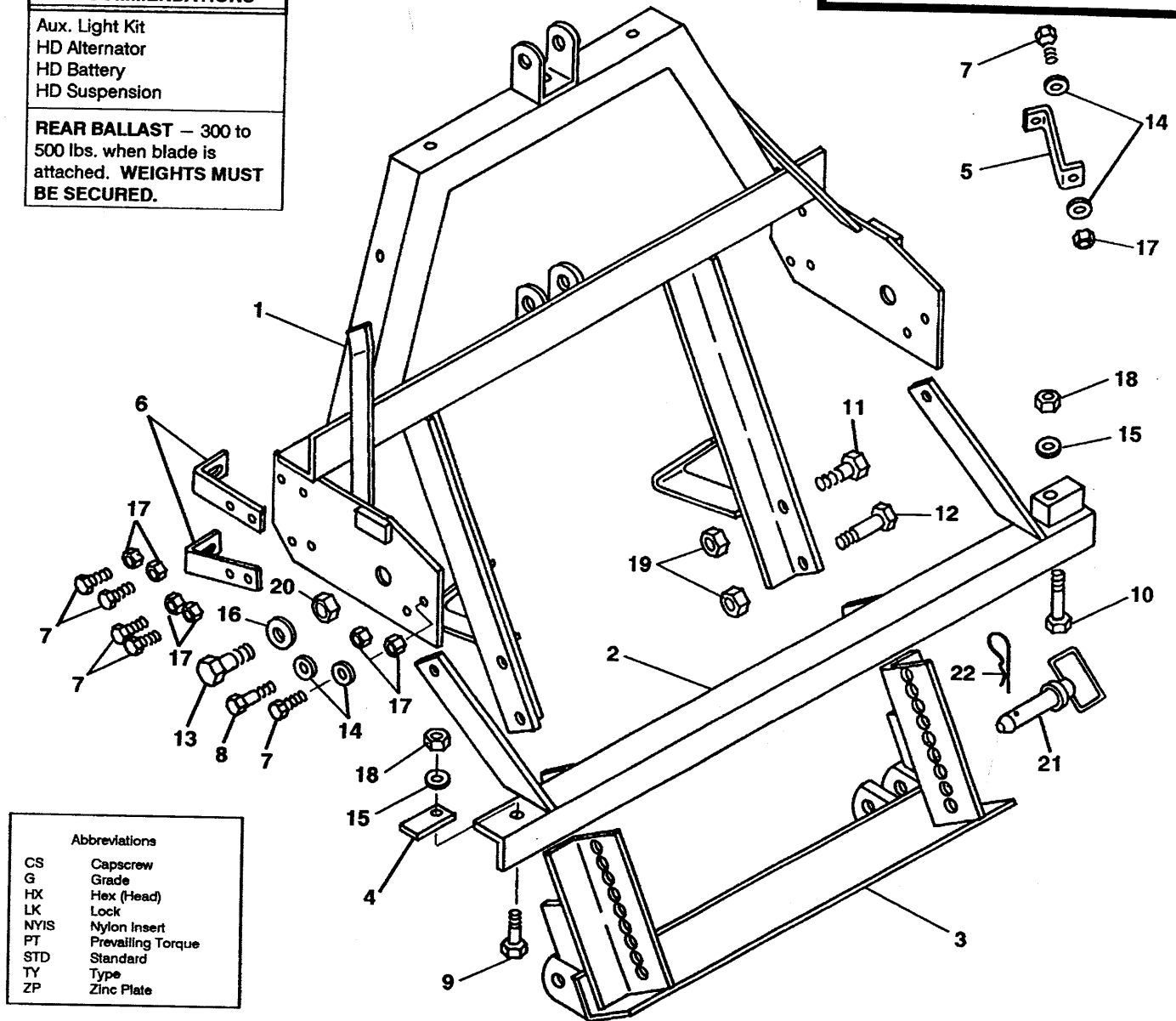
September 1, 1990

**MINIMUM VEHICLE  
 RECOMMENDATIONS**

Aux. Light Kit  
 HD Alternator  
 HD Battery  
 HD Suspension

**REAR BALLAST** — 300 to  
 500 lbs. when blade is  
 attached. **WEIGHTS MUST  
 BE SECURED.**

**PARTS DIAGRAM & LIST**



**Abbreviations**

CS	Capscrew
G	Grade
HX	Hex (Head)
LK	Lock
NYIS	Nylon Insert
PT	Prevailing Torque
STD	Standard
TY	Type
ZP	Zinc Plate

**ITEM PART NO. QUAN. DESCRIPTION**

1	61415	1	LIFT FRAME 910
2	61425	1	MOUNT FRAME
3	59925	1	SPREADER
4	60731	1	SPACER
5	60732	2	BUMPER STRAP
6	61427	4	BUMPER BRACKET
7	90066	12	7/16-14X1-1/4 HX CS G5 ZP
8	90067	2	7/16-14X1-1/2 HX CS G5 ZP
9	90101	1	1/2-13X1-3/4 HX CS G5 ZP
10	90105	1	1/2-13X3 HX CS G5 ZP
11	90128	2	5/8-11X1-3/4 HX CS G5 ZP
12	90130	2	5/8-11X2-1/4 HX CS G5 ZP

**ITEM PART NO. QUAN. DESCRIPTION**

13	90153	2	3/4-10X1-3/4 HX CS G5 ZP
14	91104	8	7/16 PLAIN WASHER TY A STD ZP
15	91105	2	1/2 PLAIN WASHER TY A STD ZP
16	91107	2	3/4 PLAIN WASHER TY A STD ZP
17	91334	14	7/16-14 PT HX LK NUT NYIS ZP
18	91335	2	1/2-13 PT HX LK NUT NYIS ZP
19	91337	4	5/8-11 PT HX LK NUT NYIS ZP
20	91338	2	3/4-10 PT HX LK NUT NYIS ZP
21	93028K	2	HITCH PIN 1" X 3-1/2"
22	91965	2	HAIRPIN COTTER 5/32"
<b>NOT SHOWN</b>			
59114		1	SELF STRIP WIRE CONNECTOR

Recommended Fastener Torque Chart (Ft.-Lbs.)					
Size	SAE Grade 2		SAE Grade 5		SAE Grade 8
	1/4-20	6	9	13	
5/16-18	11	18	28		
3/8-18	19	31	46		
3/8-24	24	48	88		
7/16-14	30	50	75		
1/2-13	45	75	115		
9/16-12	88	110	165		
5/8-11	93	150	225		
3/4-10	150	250	370		
7/8-9	202	378	591		
1-8	300	583	893		

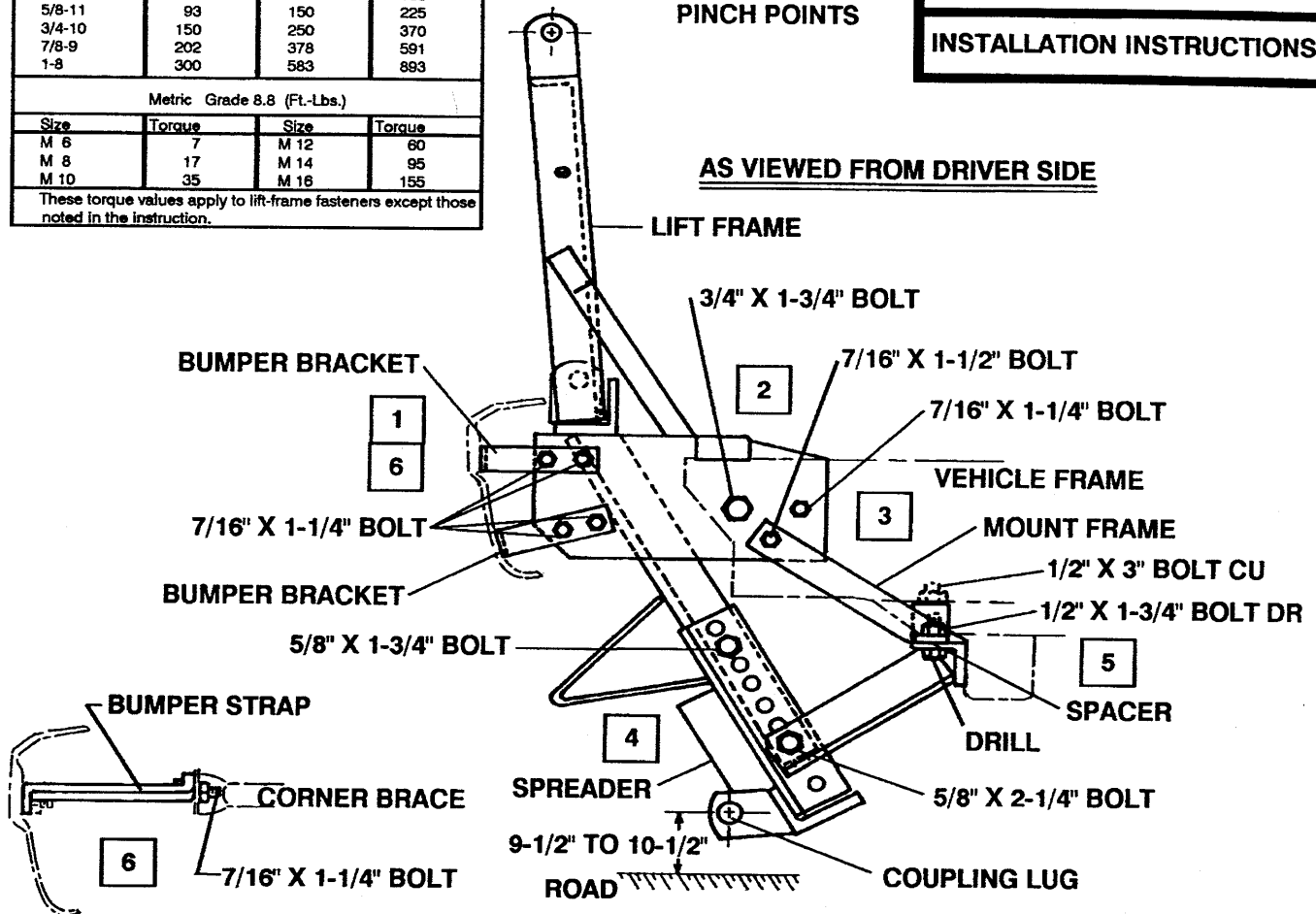
Metric Grade 8.8 (Ft.-Lbs.)			
Size	Torque	Size	Torque
M 6	7	M 12	60
M 8	17	M 14	95
M 10	35	M 16	155

These torque values apply to lift-frame fasteners except those noted in the instruction.

**NOTE; DIRECT HYDRA-TURN® HOSES AND FITTINGS AWAY FROM STOPS AND PINCH POINTS**

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**INSTALLATION INSTRUCTIONS**



**IMPORTANT:** Read instructions before assembling. Bolts should be finger tight until the installation is completed. Preventive maintenance can prevent accidents. Use standard methods and practices when attaching snowplow including wearing safety glasses during drilling.

1. Remove air dam fasteners at fenders. Leave corner braces attached to vehicle. Remove bumper, air dam and brackets. Remove bumper brackets and air dam from bumper. Remove lower front engine guard. Retain bumper brackets, air dam, engine guard and fasteners for installation when Lift-Mount is removed.
2. Align large holes in Lift Frame side plates to large slots in frame horns and secure with 3/4" x 1-3/4" bolts, flat washers to frame and locknuts. Secure upper rear side plate holes with 7/16" x 1-1/4" bolts, flat washers to frame and locknuts.
3. Attach Mount Frame to lower holes in side plates with 7/16" x 1-1/2" bolts, flat washers to frame and locknuts. **IMPORTANT:** Transmission cooler lines must be supported or protected so they do not contact mount frame cross angle.
4. Assemble Spreader and Mount Frame to Lift Frame keeping coupling lugs 9-1/2" to 10-1/2" from road using 5/8" x 1-3/4" bolts and locknuts in upper holes and 5/8" x 2-1/4" bolts and locknuts in lower holes.
5. Using Mount Frame as a guide, drill two (2) 1/2" holes thru vehicle frame. On driver side, insert Spacer and secure to frame with 1/2" x 1-3/4" bolt, flat washer to frame and locknut. Fasten curb side with 1/2" x 3" bolt, flat washer to frame and locknut.

**TIGHTEN ALL BOLTS TO CORRESPONDING TORQUE CHART VALUES**

6. Assemble two hole Bumper Bracket legs to outside of Lift Frame side plate with short legs toward center of vehicle. Secure top bracket parallel to top of side plate with 7/16" x 1-1/4" bolts and locknuts. Loosely attach lower brackets. Install and secure bumper using existing fasteners. Tighten lower bracket fasteners. Attach Bumper Strap (see inset) to corner of bumper with existing fasteners. Loosen corner braces, rotate and attach to Bumper Strap with 7/16" x 1-1/4" bolt, two (2) flat washers and locknut.

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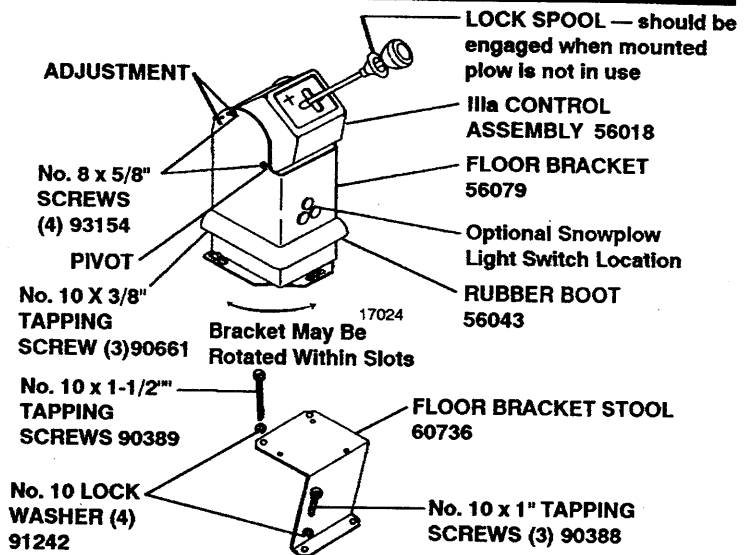
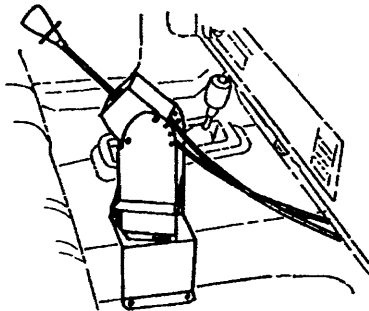
7. **HEAVY DUTY TORSION BARS ARE REQUIRED FOR SNOWPLOW APPLICATIONS.** Standard torsions bars, Dodge P.N.'s 4322510 (RH) and 4322511 (LH) have a 1450 lb. payload rating and **MUST** be replaced with **HEAVY DUTY** torsion bars 4322516 (RH) and 4322517 (LH). Heavy duty bars are standard on vehicles with 2000 lb. payload rating. Part numbers are stamped into the adjuster end of bars.

After completion of plow installation, torsion bar suspension may be adjusted to maintain 9-1/2" to 10-1/2" coupling lug height. Alternate driver and curb side adjustments. After each series of adjustment, bounce vehicle three times prior to measuring.

**HYDRAULICS:** Mount Hydraulic System per instructions.

**LIGHT KIT ASSEMBLY- FOR DUAL TYPE 2E HEADLAMPS** - Use Box No. 60740 Headlamp Kit - 4 Wire and Box No. 60775 Harness Bracket Kit - 2E. **FOR COMPOSITE HEADLAMPS HB-1 BULB** - Use Box No. 60740 Headlamp Kit - 4 Wire and Box No. 60770 Harness Bracket Kit 9004 (HB1). Follow special instructions below on this page for modifying harness for these headlamps.

### INSTALLATION INSTRUCTIONS FOR - IIIa CONTROL AND FLOOR BRACKET

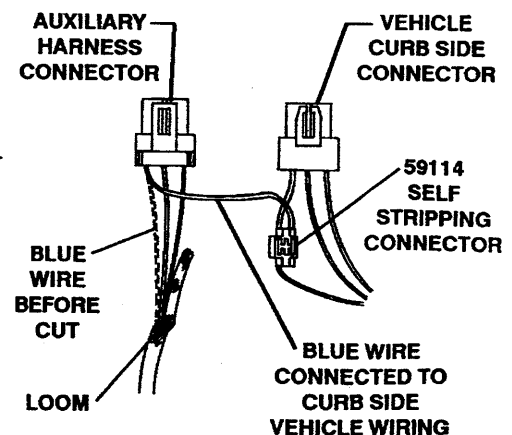


1. Temporarily assemble Floor Bracket to Floor Bracket Stool using three (3) No. 10 x 3/8" long hex head tapping screws. Position assembly on the passenger side of tunnel in a convenient position for the driver (allow room for glove compartment door to open). Mark location of the four (4) mounting holes in Floor Bracket Stool. Check under hole locations for wires or other interference before drilling two (2) 9/64" holes into the floor and two (2) 9/64" holes into tunnel.
2. Disassemble Floor Bracket and Floor Bracket Stool. Install Stool using three (3) No. 10 x 1" and one (1) No. 10 x 1-1/2" sheet metal screws and lock washers. Install 1-1/2" screw in rear hole on top of tunnel.
3. Loosely assemble Floor Bracket to Floor Bracket Stool. Slide rubber boot over top of Floor Bracket.
4. Pass control cables through holes drilled in fire wall per hydraulic system instructions. Assemble IIIa Control into Floor Bracket in desired position and secure with four (4) No. 8 x 5/8" long hex head screws.
5. Rotate IIIa Control and Floor Bracket to desired position and tighten mounting screws. Slide rubber boot down to cover attaching flange screws.

### COMPOSITE HEADLAMP HB-1 BULB HARNESS MODIFICATION

Follow these instruction to make harness P.N. 60586 compatible with the electrical system used on Dodge Dakota vehicles.

1. Install harness per instructions furnished in Harness Bracket Kit.
2. Modify CURB SIDE auxiliary harness headlamp connection by sliding loom away from connector to expose approximately 6 inches of wire.
3. Cut BLUE wire next to loom (leaves 6 inches of blue wire on connector). Slide loom back towards connector.
4. Use Self Stripping Connector (Blue) furnished in Lift Mount Box to connect blue wire to black wire (same position on vehicle connector as blue wire is on auxiliary harness connector). Place end of blue wire against stop on hinge side of Self Stripping Connector and black wire in outer groove. Close Self Stripping connector and secure lock.
5. Install auxiliary harness connector onto vehicle headlamp.



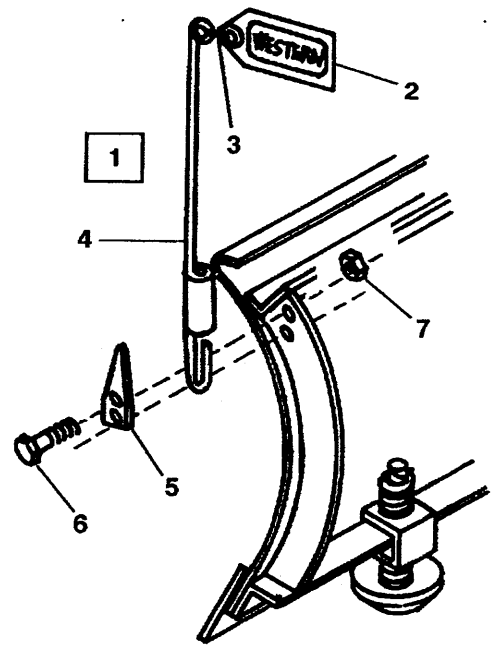
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# INSTALLATION INSTRUCTIONS FOR 59700 BLADE GUIDE ASSEMBLY

Insert pointed end of clamp into coil of Blade Guide Rod. Attach a Blade Guide Rod to each outer rib using 5/16" x 1" capscrews and locknuts as shown in diagram..

## PARTS LIST 59700 - BLADE GUIDE ASSEMBLY

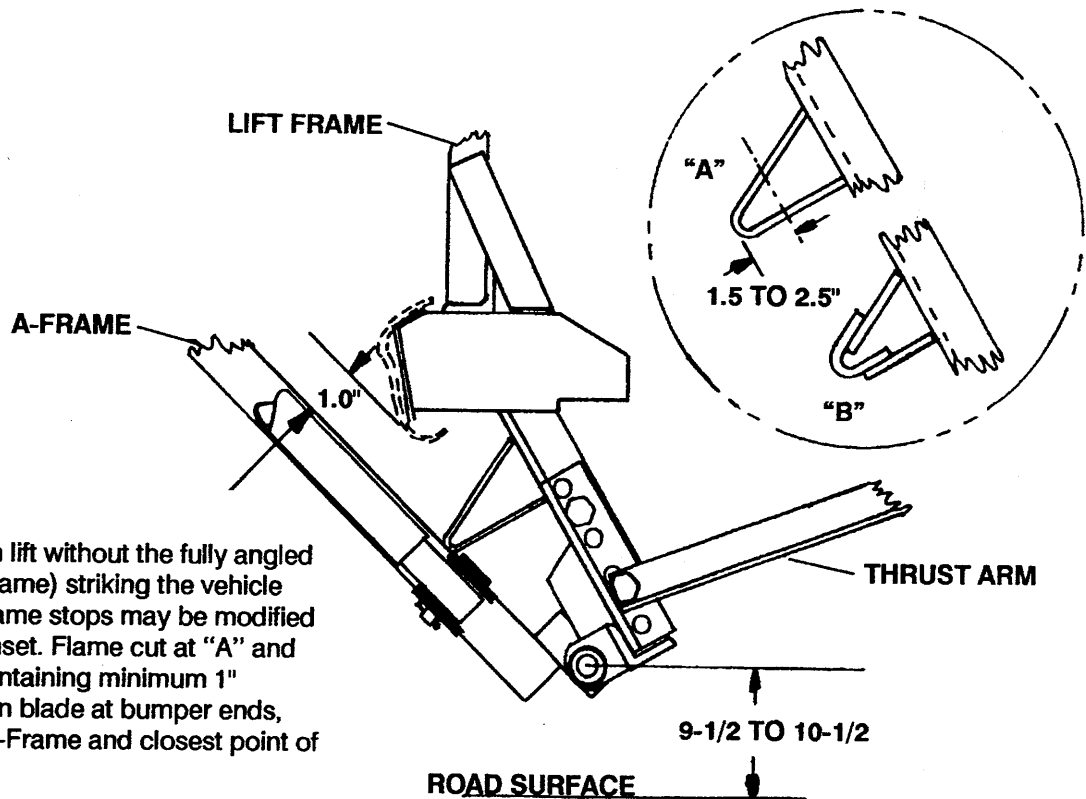
Item	Part No.	Quan.	Description
1	59697	2	BLADE GUIDE ROD, S-HOOK & FLAG
2	59694K	1	BLADE GUIDE FLAG
3	59696	1	S-HOOK
4	59691	1	BLADE GUIDE ROD
5	59946	2	CLAMP
6	90020	4	5/16-18X1 HX CS G2 ZP
7	91332	4	5/16-18 PT HX LK NUT NYIS ZP



13009-8908

## A-FRAME STOP MODIFICATION INSTRUCTIONS

With snowplows mounted to vehicles having small tire size options, the blade lift may be less than desirable. If this condition exists on any installation, the height of blade lift can be increased by cutting and rewelding the A-Frame stops on the mount as shown in the sketch below.



To gain maximum lift without the fully angled blade (or the A-Frame) striking the vehicle bumper, the A-Frame stops may be modified as shown in the inset. Flame cut at "A" and reweld at "B" maintaining minimum 1" clearance between blade at bumper ends, and/or between A-Frame and closest point of bumper.

13027-7707

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WESTERN® ISARMATIC® Hydra-Turn® Roll-Action™ PRO-GUARD™

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