



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



A DIVISION OF DOUGLAS DYNAMICS INC

Box No. 60254

Model 2200 Datsun 4x4

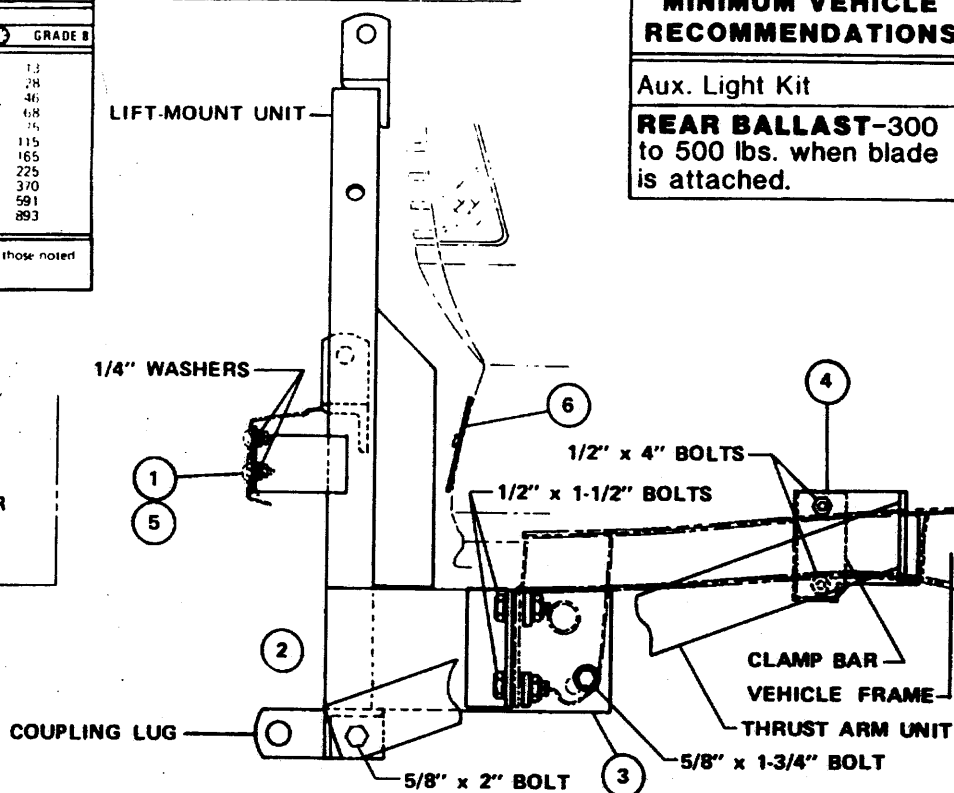
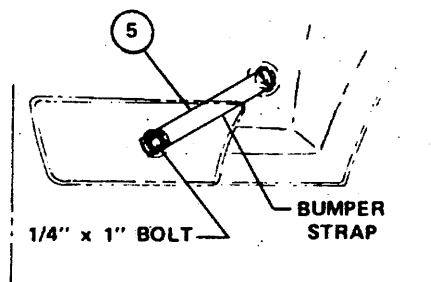
Front Frame Lift-Mount

INSTALLATION INSTRUCTIONS

RECOMMENDED FASTENER TORQUE CHART				
SIZE	TORQUE IN FOOT POUNDS			
	GRADE 2	GRADE 5	GRADE 8	
1/4 - 20	6	9	13	
5/16 - 18	11	18	28	
3/8 - 16	19	31	46	
3/8 - 24	24	46	68	
7/16 - 14	30	50	76	
1/2 - 13	45	75	115	
9/16 - 12	66	110	165	
5/8 - 11	93	150	225	
3/4 - 10	150	250	370	
7/8 - 9	202	378	581	
1 - 8	300	583	893	

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

AS VIEWED FROM DRIVER SIDE



MINIMUM VEHICLE RECOMMENDATIONS

Aux. Light Kit

REAR BALLAST-300
to 500 lbs. when blade
is attached.

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:

1. Disconnect park and turn lights at plug behind bumper. Remove bumper and brackets. (Bumper bracket bolts can be removed from inside engine compartment.)
2. Remove front protector unit and skid plate. (These parts should be retained for reinstallation in event the snowplow is removed.) For ease of installation remove tow hook during lift-mount assembly and reinstall after installation is complete.
3. Attach the lift-mount unit to the inside of the vehicle frame using the furnished 5/8" x 1-3/4" bolts, flatwashers to slot in vehicle frame and locknuts. Install 1/2" x 1-1/2" bolts, flatwashers to slot in frame and locknuts into front mounting holes of lift-mount and vehicle frame.
4. Attach thrust arm to vehicle frame rail directly in front of control arm mounting using the clamp bar and furnished 1/2" x 4" bolts and locknuts. Clamp bar is to be placed on inside of vehicle frame with 45" trim located at bottom rear. Attach other end of thrust arm to bottom of lift-mount using furnished 5/8" x 2" bolts and locknuts. **TIGHTEN ALL BOLTS TO CORRESPONDING TORQUE VALUES NOTED IN FASTENER TORQUE CHART.**

5. Reinstall bumper to lift-mount unit with the existing bolts and nuts using the furnished 1/4" washers at slots in bumper brackets. To aid installation it may be necessary to remove rubber bumper pads to insert bolts through lift-mount bumper brackets. Attach bumper straps (see inset) to side of bumper with furnished 1/4" x 1" bolt, washer and locknut. Fasten bumper strap to side of fender using the existing screw and washer, tighten fasteners and reconnect turn lights.
6. Install plastic shields to rectangular opening located directly below headlights. (If auxiliary headlights are to be used the plastic shields should not be installed until headlight installation is complete.) Remove hex washer head screws from outboard ends of openings, align large hole in plastic shield and secure with existing fastener. Using small hole as a guide, drill opposite ends into metal with 9/64" dia. drill and secure with furnished No. 10 x 1" screws. (Plastic shield is necessary to protect horn unit and wiring harness.)

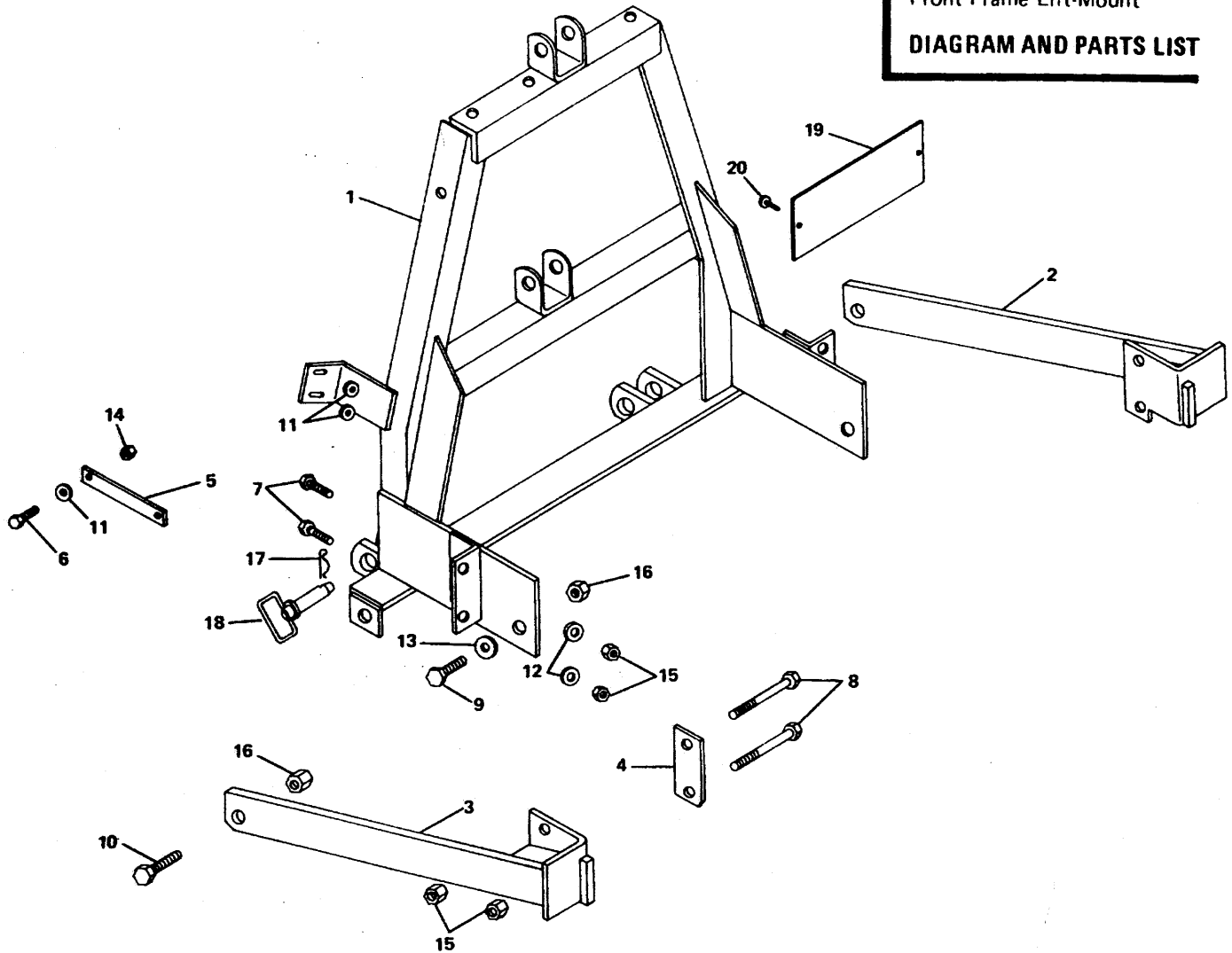
LIGHT KIT ASSEMBLY:

CAUTION: READ LIGHT KIT SUPPLEMENTARY WIRING INSTRUCTIONS BEFORE INSTALLING HEADLAMPS INTO CIRCUIT. DO NOT drill instrument panel for mounting the toggle switch.

Box No. 60254

Model 2200 Datsun 4x4
Front Frame Lift-Mount

DIAGRAM AND PARTS LIST



3230-8312

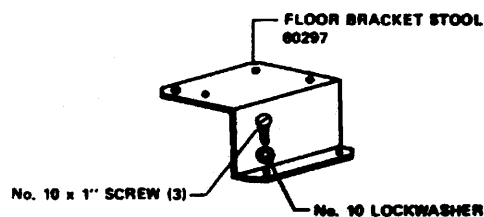
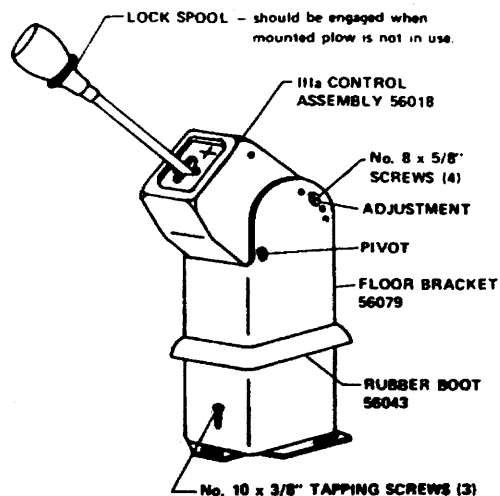
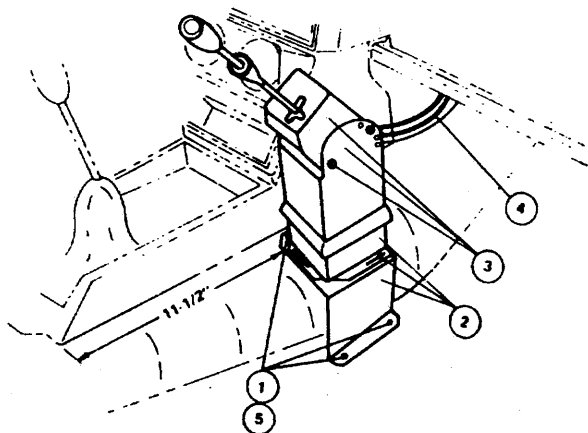
3231-8312

Item	Part No.	Quan.	Description
1	60275	1	Lift-Mount Unit
2	60286	1	Thrust Arm Unit – Curb Side
3	60291	1	Thrust Arm Unit – Driver Side
4	60293	2	Clamp Bar
5	60294	2	Bumper Strap
6		2	Capscrew – 1/4"-20 x 1" Long
7	90100	4	Capscrew – 1/2"-13 x 1-1/2" Long – Grade 5
8	90107	4	Capscrew – 1/2"-13 x 4" Long – Grade 5
9	90128	2	Capscrew – 5/8"-11 x 1-3/4" Long – Grade 5
10	90129	2	Capscrew – 5/8"-11 x 2" Long – Grade 5
11		6	Flat Washer – 1/4"
12		4	Flat Washer – 1/2"
13		2	Flat Washer – 5/8"
14	91331	2	Locknut – 1/4"-20 – Nylon Insert Type
15	91335	8	Locknut – 1/2"-13 – Nylon Insert Type
16	91337	4	Locknut – 5/8"-11 – Nylon Insert Type
17	91965	2	Hairpin Cotter – 5/32" x 2-15/16" O/A Length
18	93028	2	Hitch Pin – 1" x 3-1/2" Long
19	60299	2	Plastic Shield
20		2	Screw No. 10 x 1" Long

NOTE: Only those items indicated with a **PART NUMBER** are available for Service.

INSTALLATION INSTRUCTIONS

For — IIIa Control and Floor Bracket
Model No. 2200 Datsun 4x4



1. Position floor bracket stool 11-1/2" from edge of floor console as shown. Mark location of the 3 mounting holes and drill 2 - 9/64" diameter holes into the floor and 1 - 9/64" diameter hole into tunnel.
2. Assemble the floor bracket stool to floor bracket using 3-No. 10 x 3/8" long hex head tapping screws. Place rubber boot onto body of floor bracket.
3. Assemble the IIIa Control to the floor bracket using 4-No. 8 x 5/8" long hex head screws.
4. Control cables will pass through the passengers side of firewall. Drill per hydraulic system instructions.
5. Place assembled control in position and secure with No. 10 x 1" sheet metal screws and lock washers.
6. Slide rubber boot down to cover attaching flange screws.

3232-8206

INSTALLATION INSTRUCTIONS FOR 59700 BLADE GUIDE ASSEMBLY

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

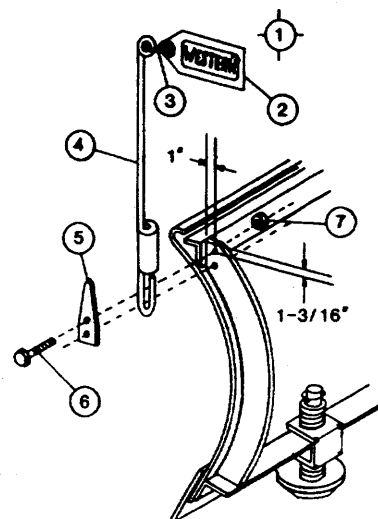
- Step 1. Lower blade to ground level.
- Step 2. If hole is not pre-drilled, drill one 11/32" hole, 1-3/16" down and 1" out on the outside rib of blade. See diagram below.
- Step 3. Insert pointed end of clamp into coil of guide. Attach guide to rib using top hole of clamp. Secure assembly using supplied 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



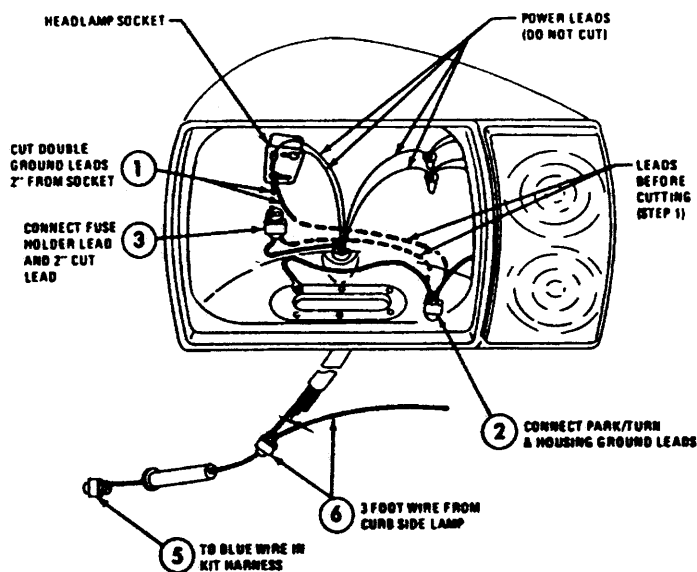
3009-7911

SUPPLEMENTARY LIGHT KIT – WIRING INSTRUCTIONS AND PARTS LIST

IMPORTANT: When using 60010 with this installation, the ground circuit of the auxiliary headlamps must be changed to coincide with the vehicle headlamp ground circuit. (These vehicles have the headlamp switch in the ground circuit.) Paragraph III is only applicable with four headlamps on the vehicle.

I. 60010 RECTANGULAR AUXILIARY HEADLAMP WITH PARK/TURN. SEE DIAGRAM.

1. Remove both headlamps from auxiliary headlamp housings. Cut the double ground leads about 2" from the headlamp socket.
2. In each headlamp housing, connect together the Park/Turn lamp ground lead and housing ground lead (cut per Step 1) with furnished self stripping wire connector.
3. Driver's Side — Remove strain relief from headlamp housing. Insert the long lead of the in-line fuse holder through the headlamp wire casing. Connect this lead to one of the 2" ground leads (other 2" ground lead is not used) on headlamp socket using furnished self stripping wire connectors. Replace strain relief and headlamp in housing.
4. Curb Side — Repeat Step 3 using 3 foot wire in place of fuse holder.
5. Attach short lead of fuse holder to blue wire of light kit harness using furnished self stripping wire connector.
6. Connect 3 foot wire to long lead of fuse holder with furnished self stripping wire connector.



II. AUXILIARY TOGGLE SELECTOR SWITCH:

Using the light switch bracket as a template, select a location convenient to the operator and drill two 1/8" holes into the lower flange of the instrument panel. Fasten the bracket to the panel using furnished No. 10 x 1" sheet metal screws and lockwashers. After attaching wires to the switch as shown in the diagram, install the switch in the hole of the bracket and affix switch label over switch onto bracket.

Part No.	Quan.	Description
60229	1	Supplementary Light Kit
60230	1	Light Switch Bracket
60185	1	In-Line Fuse Assembly
60186	1	Wire No. 16 x 3 Foot Long
59114	6	Self Stripping Wire Connector
	2	Tapping Screw No. 10 x 1"
	2	Lockwasher — No. 10

III. NOTE: FOR VEHICLES WITH FOUR RECTANGULAR HEADLAMPS:

Harness No. 49057 (if not furnished in lift-mount box, 49056 Kit must be purchased separately.) replaces the No. 59805 harness supplied with Light Kit number 60010. Follow the installation instructions furnished with the light kit except for the two steps noted "Q-R" below, when making the installation.

Disregard the paragraph entitled "Driver's Side" and substitute "Q-R" No. 1.

"Q-R" No. 1 — Disconnect vehicle high beam lamps (type 1A) and seal these plugs with furnished safety caps. Driver Side — remove existing plug from high-low beam headlamps (type 2A) and connect male plug of harness to it. Connect the short 3 terminal female harness plug to this headlamp, and the long 3 terminal plug to the curb side headlamp. Connect the short 2 terminal plugs to the high beam lamps (type 1A).
NOTE: With this harness all 4 vehicle headlamps will operate when the toggle switch is set to the "vehicle" position and the high beams are selected.

"Q-R" No. 2 — When connecting the six spade terminals to the toggle switch, reverse the black and white leads from that shown on the wiring diagram.

Part No.	Quan.	Description
49056	1	Four Lamp Adaptor Kit
49057	1	Harness — Quad Rectangular Headlamps
59804	2	Safety Cap (Plastic)

Form No. 3224-8501

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