



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



A DIVISION OF DOUGLAS DYNAMICS, INC.

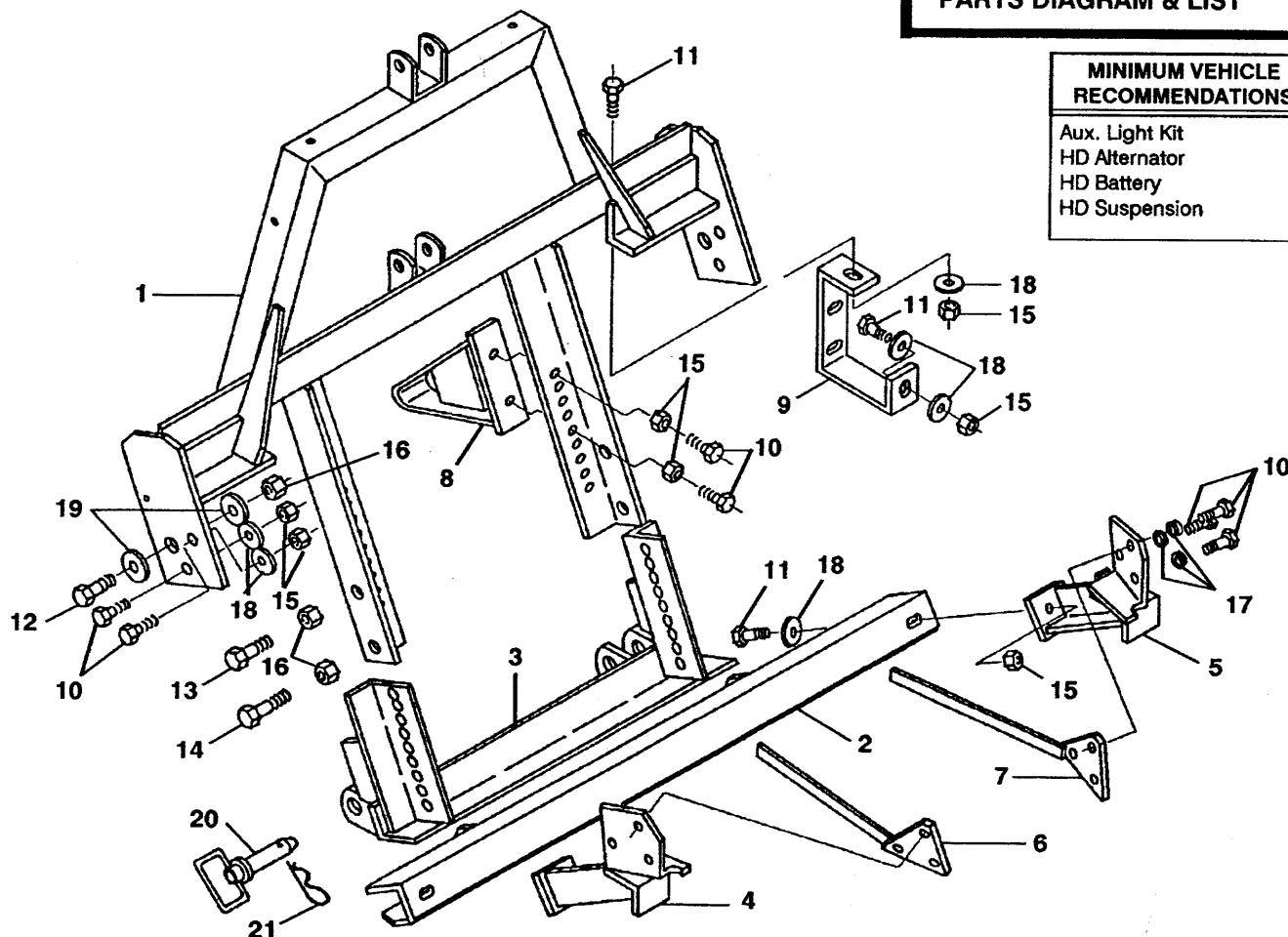
Box No. 61605  
Model No. 1270  
Ford F-150 4x4  
1992 & Later

September 28, 1991

## PARTS DIAGRAM & LIST

### MINIMUM VEHICLE RECOMMENDATIONS

Aux. Light Kit  
HD Alternator  
HD Battery  
HD Suspension



ITEM	PART NO.	QUAN.	DESCRIPTION
1	61712	1	LIFT FRAME 1260, 1270, 1290
2	61606	1	THRUST FRAME
3	59925	1	SPREADER
4	61607	1	MOUNT DR
5	61608	1	MOUNT CU
6	61648	1	NUT BAR DR
7	61649	1	NUT BAR CU
8	61644	2	A-FRAME STOP - SHORT
9	61650	2	BUMPER BRACKET
10	90100	14	1/2-13X1-1/2 HX CS G5 ZP
11	90101	6	1/2-13X1-3/4 HX CS G5 ZP
12	90128	2	5/8-11X1-3/4 HX CS G5 ZP
13	90129	2	5/8-11X2 HX CS G5 ZP
14	90130	2	5/8-11X2-1/4 HX CS G5 ZP
15	91335	14	1/2-13 PT HX LK NUT NYIS ZP
16	91337	6	5/8-11 PT HX LK NUT NYIS ZP
17	91205	6	1/2 SP LK WASHER ZP
18	91105	12	1/2 PLAIN WASHER TY A STD ZP
19	91106	4	5/8 PLAIN WASHER TY A STD ZP
20	93028K	2	HITCH PIN 1" X 3-1/2"
21	91965K	2	HAIRPIN COTTER 5/32"

### Abbreviations

CS	Capecrew
CU	Curb Side
DR	Driver Side
G	Grade
HX	Hex
LK	Lock
NYIS	Nylon Insert
PT	Prevailing Torque
SP	Spring
STD	Standard
TY	Type
ZP	Zinc Plate

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		
3/8-16	19	31	46		
3/8-24	24	46	68		
7/16-14	30	50	75		
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	591		
1-8	300	583	893		

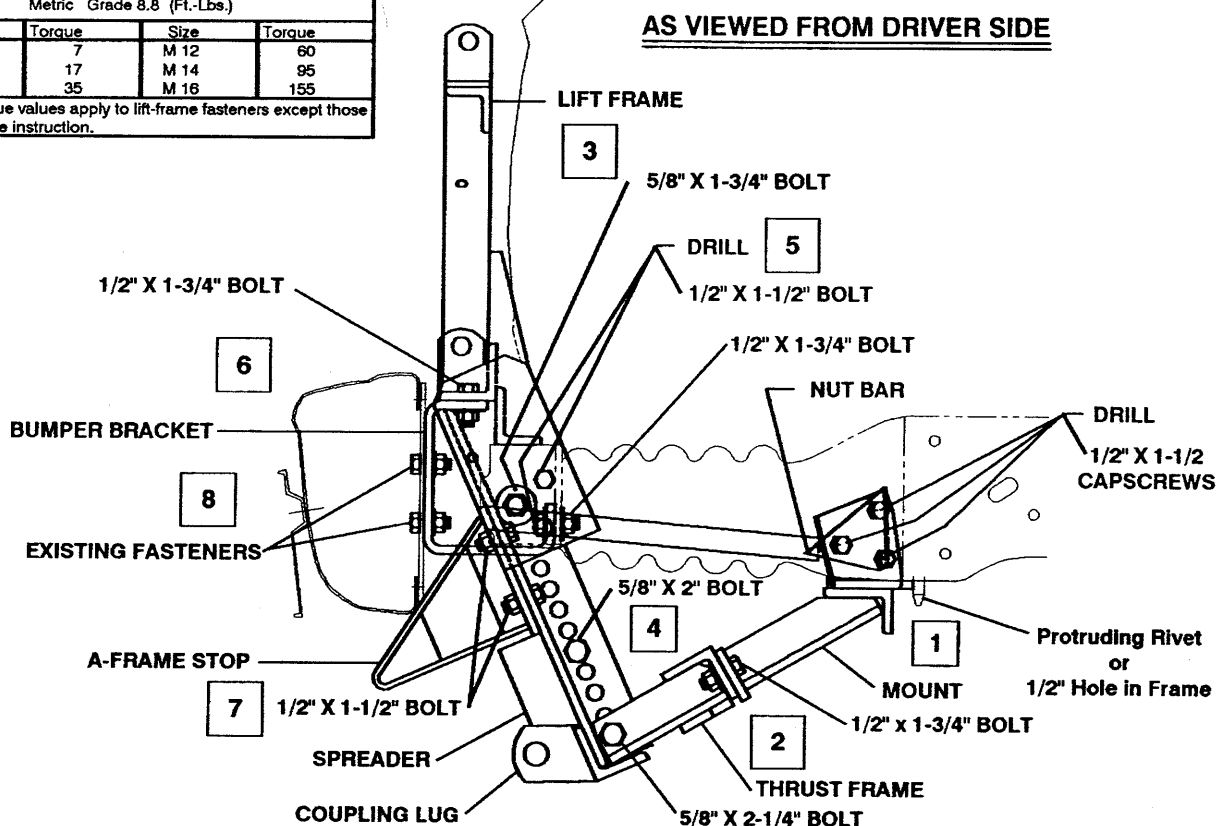
Metric Grade 8.8 (Ft.-Lbs.)			
Size	Torque	Size	Torque
M 6	7	M 12	60
M 8	17	M 14	95
M 10	35	M 16	155

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**

Box No. 61605  
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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. Install snowplow as follows:

Remove the bumper, with brackets attached, from the vehicle frame.

### 1. MOUNT - DR & CU

Place (2) mounts tight to outside and bottom of vehicle frame and against long protruding rivet. (Vehicles without frame rivets, locate mounts to front edge of 1/2" holes in bottom of vehicle frame rails.) Clamp in place. Use mounts as a template to drill (3) 9/16" holes per side through vehicle frame. Install (2) nut bars inside vehicle frame rails aligning to drilled holes. Fasten mounts to nut bars with (6) 1/2" x 1-1/2" capscrows and (6) lock washers. Tighten capscrows to corresponding torque chart value.

### 2. THRUST FRAME

Attach thrust frame loosely to mounts with (2) 1/2" x 1-3/4" bolts, (2) flat washers to slots and (2) locknuts.

### 3. LIFT FRAME

Place lift frame onto vehicle frame horns, aligning large holes in lift frame side plates to large holes (or slots) in vehicle frame. Fasten with (2) 5/8" x 1-3/4" bolts, (4) flat washers to lift frame and vehicle frame and (2) locknuts.

### 4. SPREADER

Place spreader between lift frame angles and thrust frame angles, **keeping the center of the coupling lugs between 9-1/2" and 10-1/2" from the road.** Attach using (2) 5/8" x 2" bolts and (2) locknuts in top holes of lift frame angles and (2) 5/8" x 2-1/4" bolts and (2) locknuts through lower holes. Tighten all bolts to corresponding torque chart values starting with thrust frame to mounts, then spreader and lift frame.

Continued on page 3.

## 5. SECURING LIFT FRAME

Drill (2) 1/2" holes per side through vehicle frame using lift frame side plates as a template and secure with (4) 1/2" x 1-1/2" bolts, (4) flat washers to inside of vehicle frame and (4) locknuts.

## 6. BUMPER BRACKET

Attach furnished (2) bumper brackets to underside of lift frame cross angle with (2) 1/2" x 1-3/4" bolts, (2) flat washers to slots and (2) locknuts. Secure furnished brackets to vehicle bumper mounts with (2) 1/2" x 1-3/4" bolts, (4) flat washers to slots and (2) locknuts.

## 7. A-FRAME STOP

Fasten (2) A-frame stops to front of lift frame angles with (4) 1/2" x 1-1/2" bolts and (4) locknuts starting with top holes in lift frame angles.

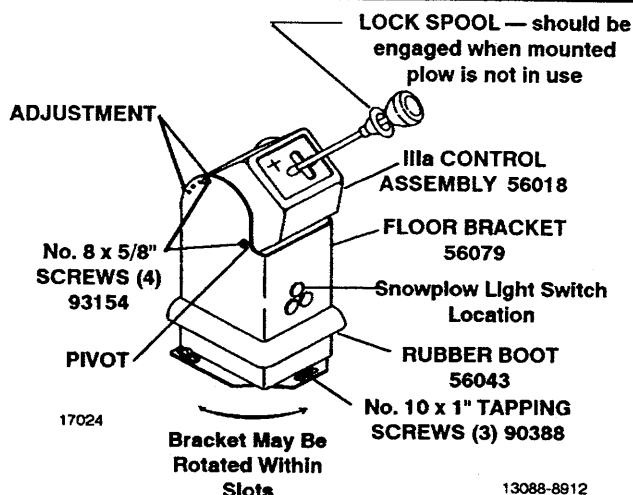
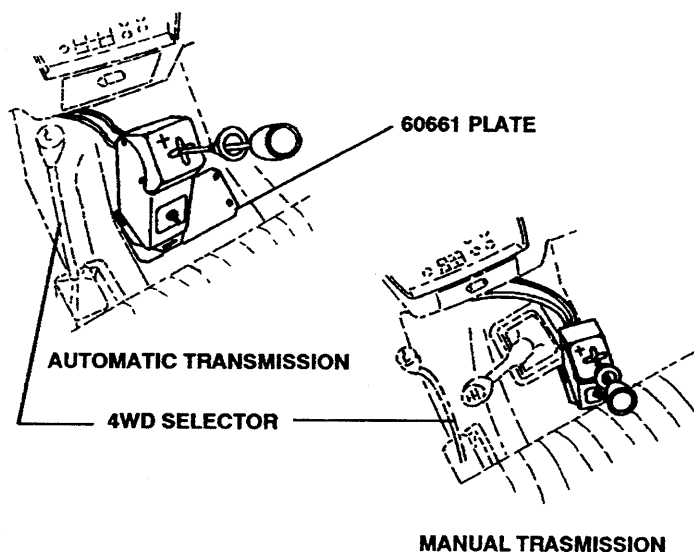
8. Attach existing bumper with brackets to furnished bumper brackets using the existing fasteners.

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

**LIGHT KIT ASSEMBLY** — Use Box No.60740 Headlamp Kit — 4 Wire and 61790 Harness/Bracket Kit - HB5. Mount toggle switch in Illa control floor bracket.

**NOTE:** Assemble and install balance of snowplow per instructions furnished with each respective assembly.

### INSTALLATION INSTRUCTIONS FOR — Illa CONTROL TO VEHICLE TRANSMISSION TUNNEL



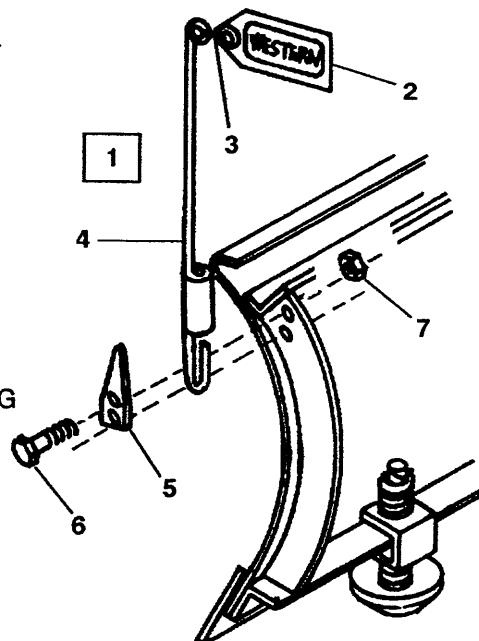
1. Remove top knock-out in front of floor bracket to receive light kit toggle switch. Temporarily assemble Illa control to floor bracket using four (4) No. 8 x 5/8" long hex head screws.
2. Position assembly as shown in sketch above: AUTOMATIC TRANSMISSION on left side of tunnel - position plate under floor bracket and center plate on top of tunnel. - MANUAL TRANSMISSION on right side of tunnel. With seat in forward position, verify that Illa control lever will clear all vehicle components.
3. CHECK underneath hole locations for wires or other interference before drilling. Using holes in plate as a template, drill five (5) 9/64" holes. OR Using bracket as template, drill 9/64" holes in center of each slot (3). Drilling in center of slots will allow bracket to be rotated to desired position. Loosely attach floor bracket with three (3) No. 10 x 1" tapping screws and lock washers. Secure remaining two holes in plate with one screw and lock washer from hydraulics box and another set from lift-mount box.
4. Remove Illa control and slide rubber boot over top of bracket. Pass control cables through holes drilled in fire wall per hydraulic system instructions. Place control in bracket in desired position and secure. Rotate assembly to desired position and tighten mounting screws. Slide rubber boot down to cover screws.

# **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



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