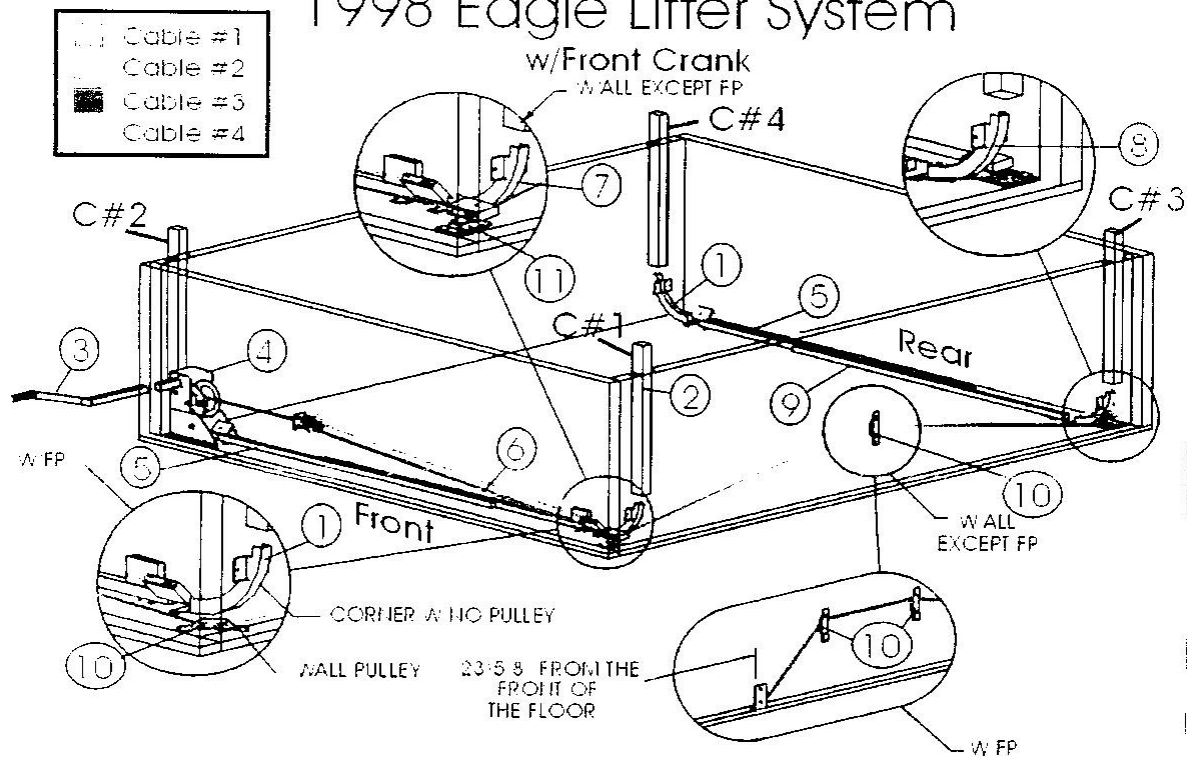


# 1998 Eagle Lifter System



- 12) Remove the tape from around the cable sleeve on the eye bolt. Tighten the cable to where the cable sleeve is just behind the eye bolt.



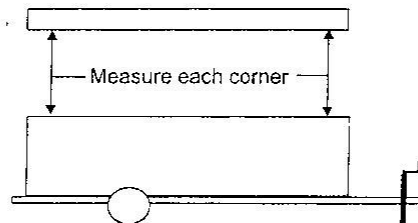
- 13) Crimp the cable sleeve to hold the cable tight.
- 14) adjust the roof as needed. ( Each corner within 1/4"-1/2" of each other )

**NOTE:**

**Below are the roof heights for each tent side wall.**

Qwest fold downs.....48"  
Eagle fold downs(low wall).....48"  
Eagle fold downs(high wall).....42"  
Heritage fold downs.....46 1/2"

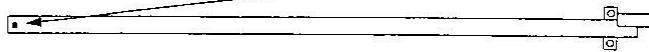
This measurment is made between the bottom of the roof and the top of the box top molding.



## HOW TO MAKE AND INSTALL A LIFTER CABLE

- 1) Remove the access panels to expose the lifter system from the terminal block where the cables hook to, all the way around to where the cable goes into the floor track.

- 2) Remove the screw at the inward side of floor track.



- 3) Remove the lifter spring from the inward end where you just removed the screw, making sure you retrieve the lifter spring rivet that goes into the post end of the spring. Remove the drive slug from end of old cable. Save for new cable.

- 4) Measure the old cable. Cut the new cable and add an estimated 1"-2" to allow enough cable to loop through and fasten to the eye bolt.

- 5) Install a cable sleeve, and an eye bolt on the cable. **DO NOT CRIMP.**



- 6) Mount eye bolt on the main cable terminal block making sure there is a nut on both sides of terminal block (Double nutted). **Tapeing the sleeve will help hold the cable in the sleeve!**

- 7) Route new cable the same way as the original was run. Placement of the cable is important, so be sure to not put any twists while routing the cable.

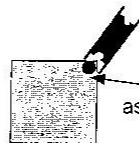
- 8) After routing the cable through the floor track, install cable sleeve and crimp. Make sure there is very little cable sticking out of the sleeve before crimping.



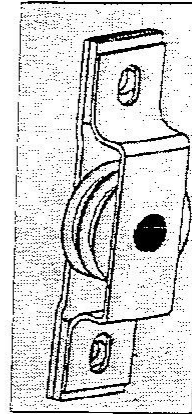
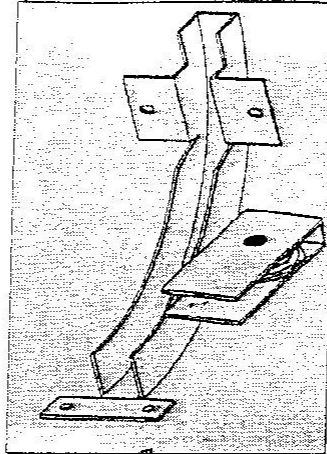
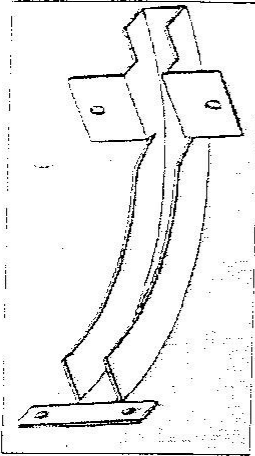
- 9) Install drive slug back on the cable so the flat area on the slug is facing the lifter spring.

- 10) Pulling slightly on the cable, apply some tension to the lifter cable to keep the cable in the correct corner of floor track. Install lifter spring back on the floor track. Make sure that the drive rivet is installed back on the lifter post end of spring.

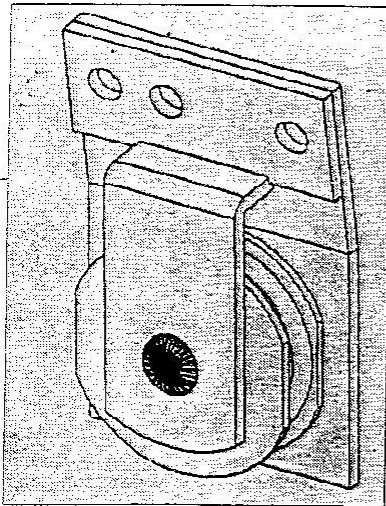
- 11) After routing the lifter spring back in the floor track, push the lifter spring into the floor track with the drive slug. Make sure the corner where the cable is on the drive slug is lined up with the corner where the pulley is mounted to the floor track.



Cable route needs to be in the same corner as the pulley it routes through.

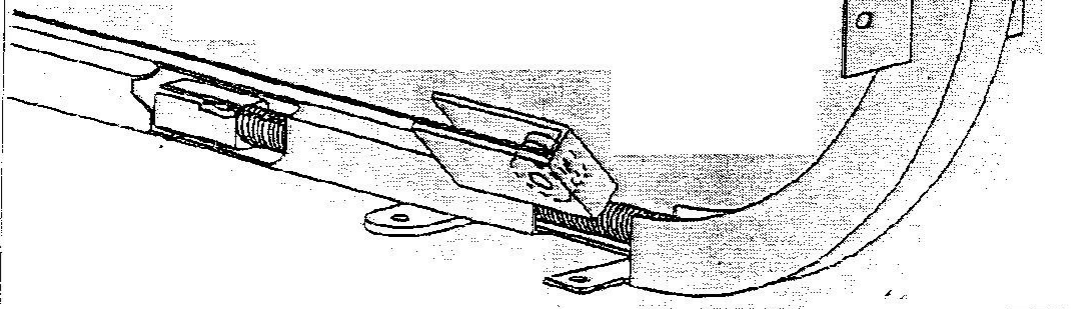
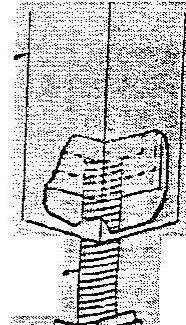


$\phi 50 \times 126$  Left - 0150470  
 Front-Drivers Side  
 $\phi 50 \times 129$  - Right  
 Rear Drivers Side 0150470  
 Smaller Pulley -  
 Began Using  
 1997

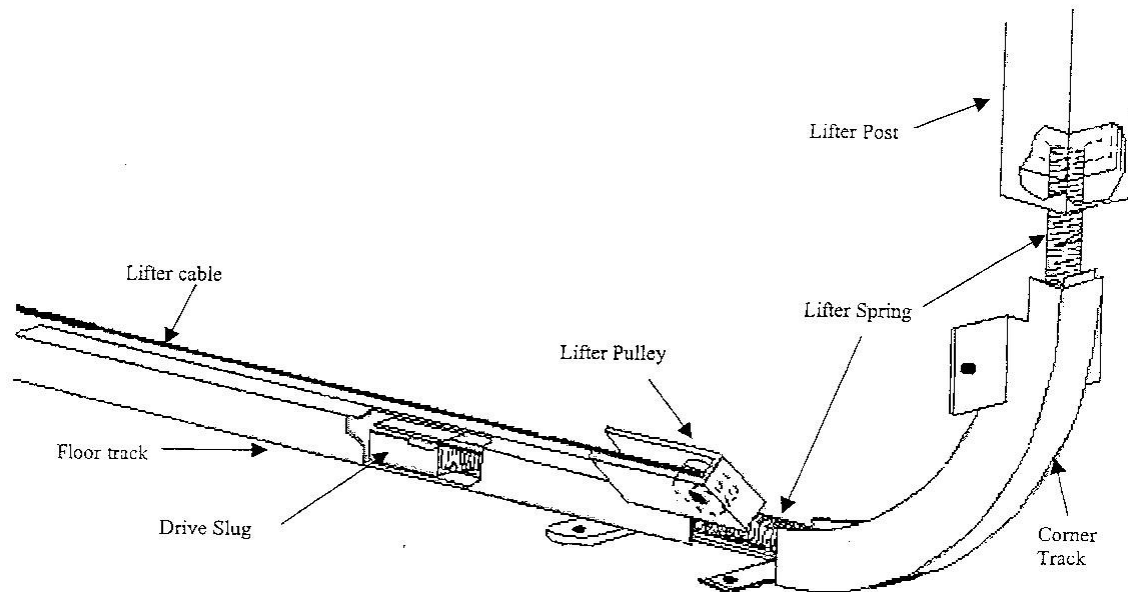


Door Side Rear Cable goes  
 Through Front Corner  
 Floor Pulley

$\phi 50 \times 128$   
 Floor Pulley

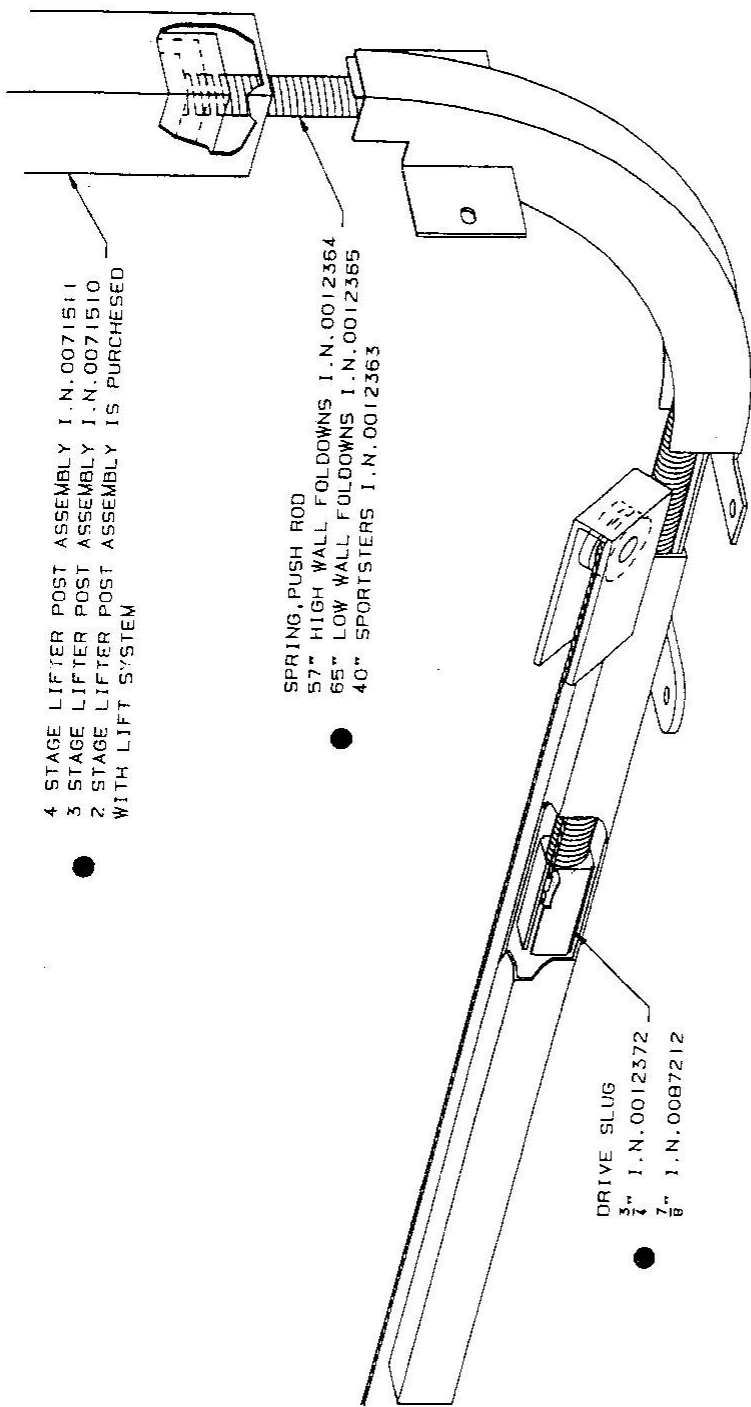


## Eagle/Jay/Designer Lifter System Design



- 1) The lifter system on the Eagle, Jay and Heritage lifter system is designed to push the roof up, not pull it up. The design of pulling the roof up is seen on other manufacturers of fold downs.
- 2) When someone cranks on the winch it in turns pulls on the 4 lifter cables. When the cable moves it pulls the drive slug in the floor track.. This drive slug pushes the lifter spring through the floor track and up into the lifter post. With this style of motion it is easier to crank on the roof.
- 3) When someone cranks down the winch it relieves the tension on the cables. The weight of the roof pushes down on the lifter posts and in turn the weight is transferred to the lifter spring. The weight will now keep the tension on the drive slug and cables and allow the roof to lower.
- 4) When a cable breaks it will still allow the customer to still camp. The customer will only need to help roof raise and lower. They will also need to support the corner where the cable broke to level the roof and tighten the tent correctly.

1998 Units



NOTE:  
 1. PARTS NOT SHOWN  
 BUTTON HEAD RIVET I.N.0012377

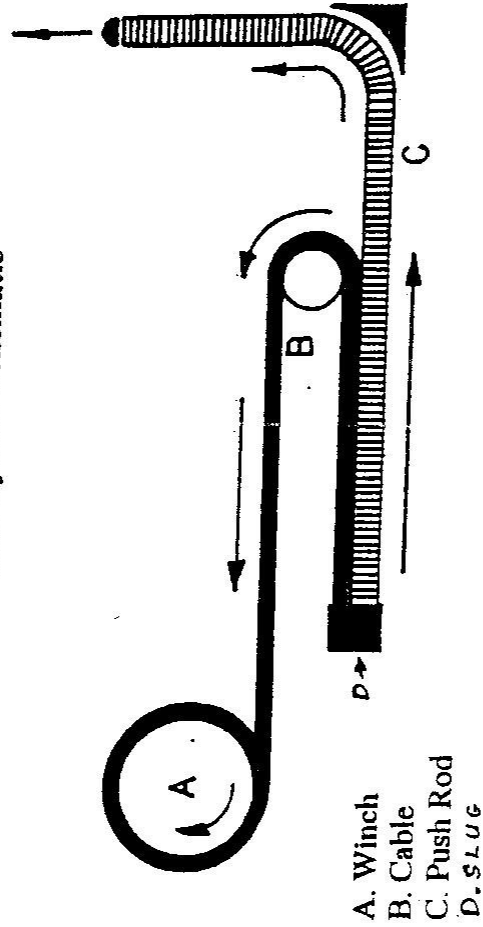
ECN: V0458	
ALL B ALL F ALL P	TITLE: DETAIL, LIFTER SYSTEM BROKEN SECTION VIEW
CONFIDENTIAL INFORMATION FOR USE ONLY BY JAYCO	
UT BY JR	UT DATE 5/18/94
DATE OF 5/18/94	
UT DATE 12/12/96	

## Jayco 1998 FP Lifter Systems

Ref	Fla...	Part #	Option	Description	UOM	ECN Serial# Range
		0011628		BOLT,EYE 1/4-20X4 (LIFTSYSTEM)	EA	
		0011605		BOLT,HEX TAP 1/4-20X1-1/2 ZINC	EA	
		0083611		BOLT,HEX TAP 1/4-20X3 ZINC ***NO LONGER AVAILABLE***	EA	
		0082721		BRACKET,LIFTER POST 3-STAGE	EA	
		0084073		CABLE,ASSY ROOF GREY VINYL 43	EA	
		0065356		CABLE,LIFTER SYSTEM 1/8"	FT	
		0084059		COVER,POWER LIFT SWITCH W/O LOCK G8002	EA	
		0083701		GASKET,POWER LIFT HATCH DOOR	EA	
		0083508		HARNESS,RELAY POWER LFT SYSTEM	EA	
		0064680		INSERT,BUNK SLIDE WHITE 12" ***USE 0017414***	FT	
		0083923		LOCK,ASSY POWER ROOF SWITCH DOOR 00100 (HAS 751 KE...	EA	
		0011662		NUT,HEX ZINC W/WASHER 1/4-20 FOR LIFTER SYS EYEBOLT...	ST	
		0091924		PLATE,BACKER 3/4X2-5/8 (FD)	EA	
		0150469		PULLEY,1-1/2" 2 PULLEY STEEL BEARING W/1-1/4"L BRACKET	EA	
		0083700		RELAY,SOLENOID 30AMP WITH NO MOUNTING BRACKET (NA...	EA	
		0012377		RIVET,FOR A-43 PUSH ROD	EA	
		0065665		SLEEVE,CABLE 1/8" (ZINC PLATED COPPER) (SET=10)	ST	
		0087212		SLUG,DRIVE 7/8 TUBE	EA	
		0012364		SPRING,PUSH ROD 57"	EA	
		0017414		STRIP,WHITE PLASTIC FOR CURVED CORNER TRACK 3/4X12	EA	
		0083427		SWITCH,TOGGLE ON/OFF/ON SCREW ***NO LONGER AVAILA...	EA	
		0011765		WASHER,FLAT ZINC 1/4" (SET=10)	ST	
		0150306		WINCH,POWER COMPONENTS REGULAR ***NO LONGER AV...	EA	
1		0085073		TRACK,CURVED W/O PULLEY 7/8" A-16.9	EA	
10		0150468		PULLEY,WALL 1-1/2" 2 PULLEY STEEL BEARING W/3/4" BRAC...	EA	
11		0150467		PULLEY,FLOOR 1-1/2" STEEL BEARING W/2" BRACKET	EA	
2		0071510		LIFTER POST,3-STAGE 1994-- (TOP STAGE COMES OUT 27")	EA	
3		0156152		HANDLE,CRANK FD WITH 11" TUBE	EA	
4		0150304		WINCH,MANUAL REGULAR 3-3/4 W/CABLE ASSY A-120 REF#5...	EA	
5		0150474		TRACK,FLOOR 1 PULLEY 48X7/8 REG STEEL BEARING PULLEY	EA	
6		0150478		TRACK,FLOOR 2 PULLEY 48X7/8 REG STEEL BEARING PULLEY	EA	
7		0150471		TRACK,CURVED W/RH PULLEY STEEL BEARING	EA	
8		0150470		TRACK,CURVED W/LH PULLEY STEEL BEARING	EA	
9		0085011		TRACK,FLOOR NO PULLEY 7/8X48 A-61	EA	
C#1		0084675		CABLE,LIFTER 60 WITH 1/8" CABLE	EA	
C#2		0084680		CABLE,LIFTER 123-3/4 W/ 1/8" CABLE W/WELDED EYEBOLT #...	EA	
C#3		0084677		CABLE,LIFTER 210-1/2 W/ 1/8" CABLE	EA	
C#4		0128145		CABLE,LIFTER 281-1/4 W 1/8 CABLE	EA	

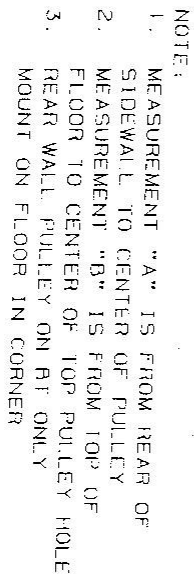
**CAUTION: Never attempt to crank roof up with boat or any item on roof.**

### Lifter System Schematic



As the winch (A) is tightened, it pulls on the cable (B). The cable goes around a pulley, into a tube that contains the lifter push rod (C). The end of the cable is connected to a metal plug. The cable pulls the plug, the plug moves the push rod against the lifter post as it curves up into the wall, pushing the roof up.



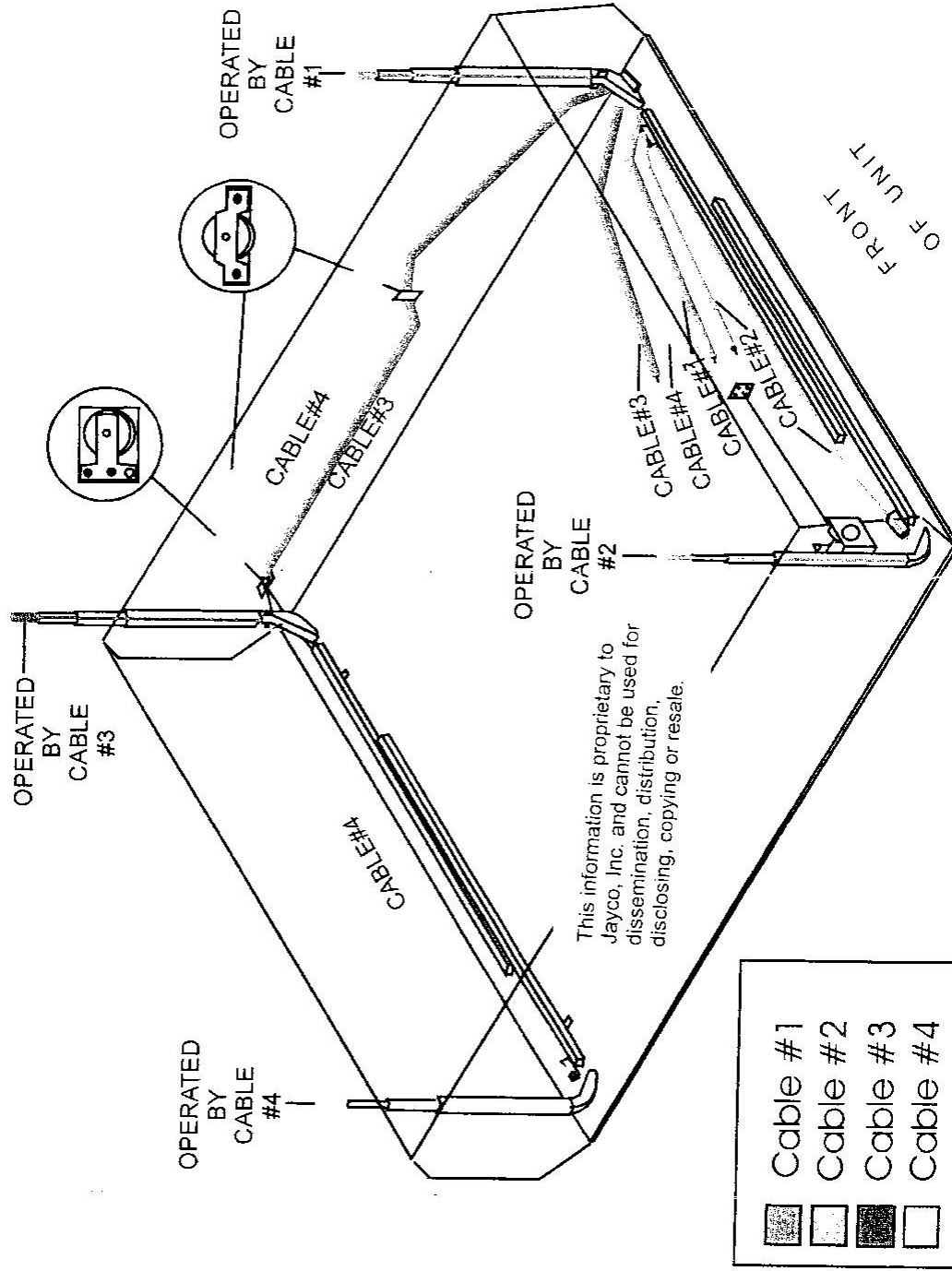


MODEL 5	PULLEY LOCATION		
	"A"	"B"	"C"
TF, FG	41 8/16	0 1/2	0
FO, BG	40 7/16	0 1/2	0
DV, FE, FJ	39 11/16	0 1/2	0
BJ, DJ, BM, BS,	66 3/16	9	0
BU, FO, FM			
BM	38 9/16	0 1/4	0
BT	63 9/16	0 1/2	0
BR	50 1/2	10	42

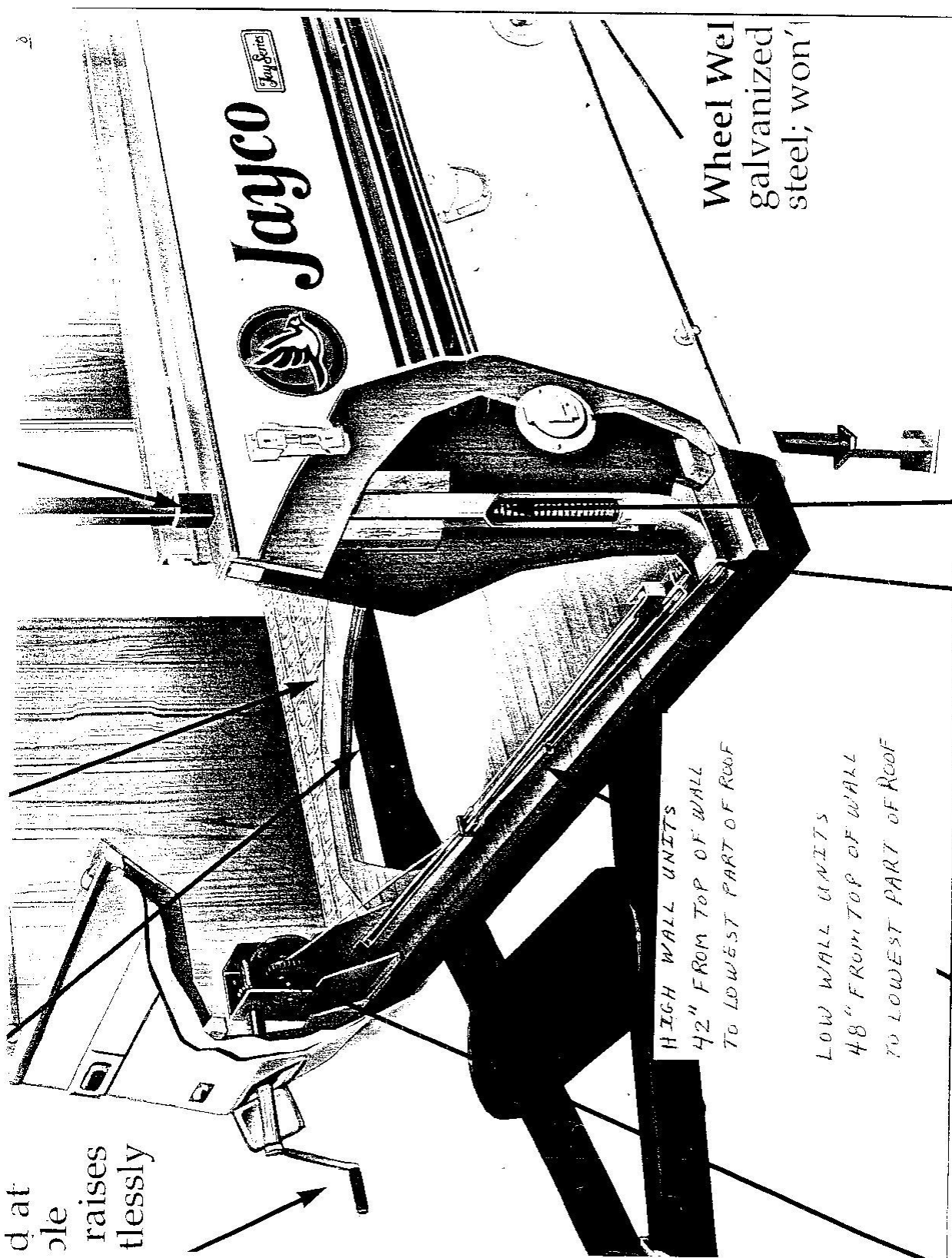
	ALL HIGH WALLS		ALL LOW WALLS
1	48" FLOOR TRACK W/NO PULLEYS	1	55" FLOOR TRACK W/2 PULLEYS
2	48" FLOOR TRACK W/2 PULLEYS	1	55" FLOOR TRACK W/1 PULLEY
3	48" FLOOR TRACK W/ PULLEY	1	71 1/2" MAIN CABLE
4	71 1/2" MAIN CABLE	1	FLOOR PULLEY
5	FLOOR PULLEY (1 W/O) (2 W/B)	1	WALL PULLEY
6	WALL PULLEY (1 W/O) (2 W/B)	4	CORNERS (2 W/PULLEY)
7	CORNERS (2 W/PULLEY) (1 W/O)	4	65" PUSH RODS
8	57" PUSH RODS	4	STAGE POSTS

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# LOW WALL (Front Winch)



d at  
ple  
raises  
tlessly



Jayco



Wheel Well  
galvanized  
steel; won't

HIGH WALL UNITS  
42" FROM TOP OF WALL  
TO LOWEST PART OF ROOF

LOW WALL UNITS  
48" FROM TOP OF WALL  
TO LOWEST PART OF ROOF