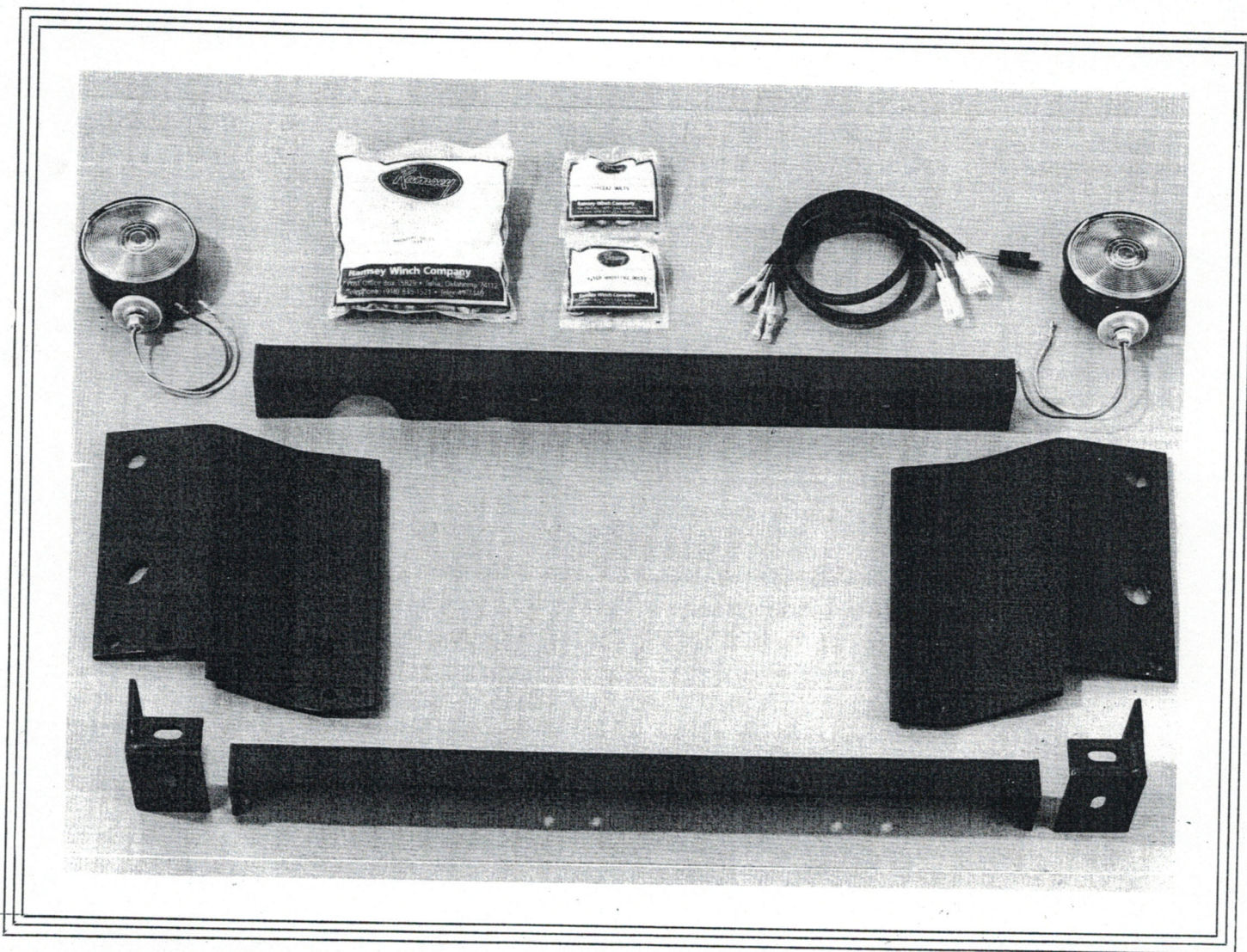




Mounting Kit No. 2644 Installation Instructions

1970-1981 Jeep CJ-5/CJ-7
Ramsey Model 2000 and 2001* Front Mount Winch

The Jambo Registry
www.82jambo.com



*MODEL 2000/2001 12 Volt
MODEL 2002/2003 24 Volt

Installation Instructions

A. Remove Vehicle Bumper

B. Mounting Kit to Winch Assembly

1. Attach front mounting angle (Item #3) to winch assembly using (1) $\frac{3}{8}$ -16NC x $\frac{3}{4}$ Hx. Hd. capscrow with lockwasher, (2) $\frac{3}{8}$ -16NC x $\frac{3}{4}$ slotted flat Hd. capscrows and (1) $\frac{3}{8}$ -16NC x 1 Hx. Hd. capscrow with lockwashers.
2. Remove shipping strap from winch assembly. Bolt rear mounting angle (Item #4) to winch using (1) $\frac{3}{8}$ -16NC x $\frac{5}{8}$ Hx. Soc. Hd. capscrow and (3) $\frac{3}{8}$ -16NC x 1 Hx. Hd. capscrows with lockwashers.
3. R.H. side mounting bracket (Item #5) should be bolted to right side of front and rear mounting angle with (2) $\frac{3}{8}$ -16NC x 1 Hx. Hd. capscrows using lockwashers and nuts.
4. *Tighten all bolts to proper torque value.* (See Torque Value Chart)

C. Attaching Mounting Kit and Winch to Vehicle

1. Bolt L.H. side mounting bracket (Item #6) to outside of vehicle's left side rail with (1) $\frac{3}{4}$ -10NC x $1\frac{1}{2}$ Hx. Hd. capscrow, lockwasher, flatwasher and nut.
On 1976 thru 1979 models a spacer (Item #7) is placed in vehicle frame, (1) $\frac{1}{2}$ -13NC x $3\frac{1}{2}$ Hx. Hd. capscrow, with flatwasher, lockwasher and nut, is required thru (Item #6) side bracket and (Item #7) spacer.
See diagram for hardware used on 1970 thru 1975 model Jeeps.
2. Lift winch with brackets attached and fasten R.H. side mounting bracket (Item #5) to vehicle's right side rail in the same fashion as L.H. side.
3. Attach (Items #3 and #4) mounting angle to L.H. side mounting bracket (Item #6) with (2) $\frac{3}{8}$ -16NC x 1 Hx. Hd. capscrows, lockwashers and nuts. *Tighten all bolts to proper torque value.* (See Torque Value Chart)
4. Attach R.H. bumper bracket (Item #1) to R.H. side mounting bracket (Item #5) with (2) $\frac{1}{2}$ -13NC x 1 Hx. Hd. capscrows, lockwashers and nuts.

TORQUE VALUE CHART

Size	Torque Ft. Lbs.	Nm
1/4-20	5	6.7
5/16-18	12	16.1
3/8-16	18	24.4
7/16-14	28	37.9
1/2-13	39	52.8
1/2-20	41	55.5
5/8-11	83	112.5
3/4-10	105	142.3

Attach L.H. bumper bracket (Item #2) to L.H. side mounting bracket (Item #6) with (2) $\frac{1}{2}$ -13NC x 1 Hx. Hd. capscrows, lockwashers and nuts.

5. Remount vehicle bumper to (Items #1 and #2) bumper brackets using (4) $\frac{3}{8}$ -16NC x $1\frac{1}{4}$ Hx. Hd. capscrows with flatwashers, lockwashers, and nuts. *See Diagram.*

6. Mount turn lights (Item #10) to (Items #5 and #6) side mounting brackets. Disconnect vehicle turn lights. Attach wire harness and route thru vehicle light well and out to turn lights.

7. Attach cable Fairlead to under side of front mounting angle.

Model "2000" Fairlead requires (2) $\frac{3}{8}$ -16NC x $\frac{3}{4}$ lg. Hx. Hd. capscrows thru angle and into (2) tapped holes of Fairlead. Use (2) $\frac{3}{8}$ -16NC x $1\frac{1}{4}$ Hx. Hd. capscrow thru (2) remaining holes in angle and thru Fairlead. Secure to angle using (2) flex-loc nuts (Item #32). *Tighten Hardware Securely.*

Model "2001" Fairlead requires (2) $\frac{3}{8}$ -16NC x $\frac{3}{4}$ capscrow thru (2) innermost holes of Fairlead and (2) $\frac{3}{8}$ -16NC x $1\frac{1}{4}$ thru (2) outermost holes. Use (4) flex-loc nuts (Item #32) to secure Fairlead to angle. *Tighten Hardware Securely.*

D. Battery Cable and Remote Switch

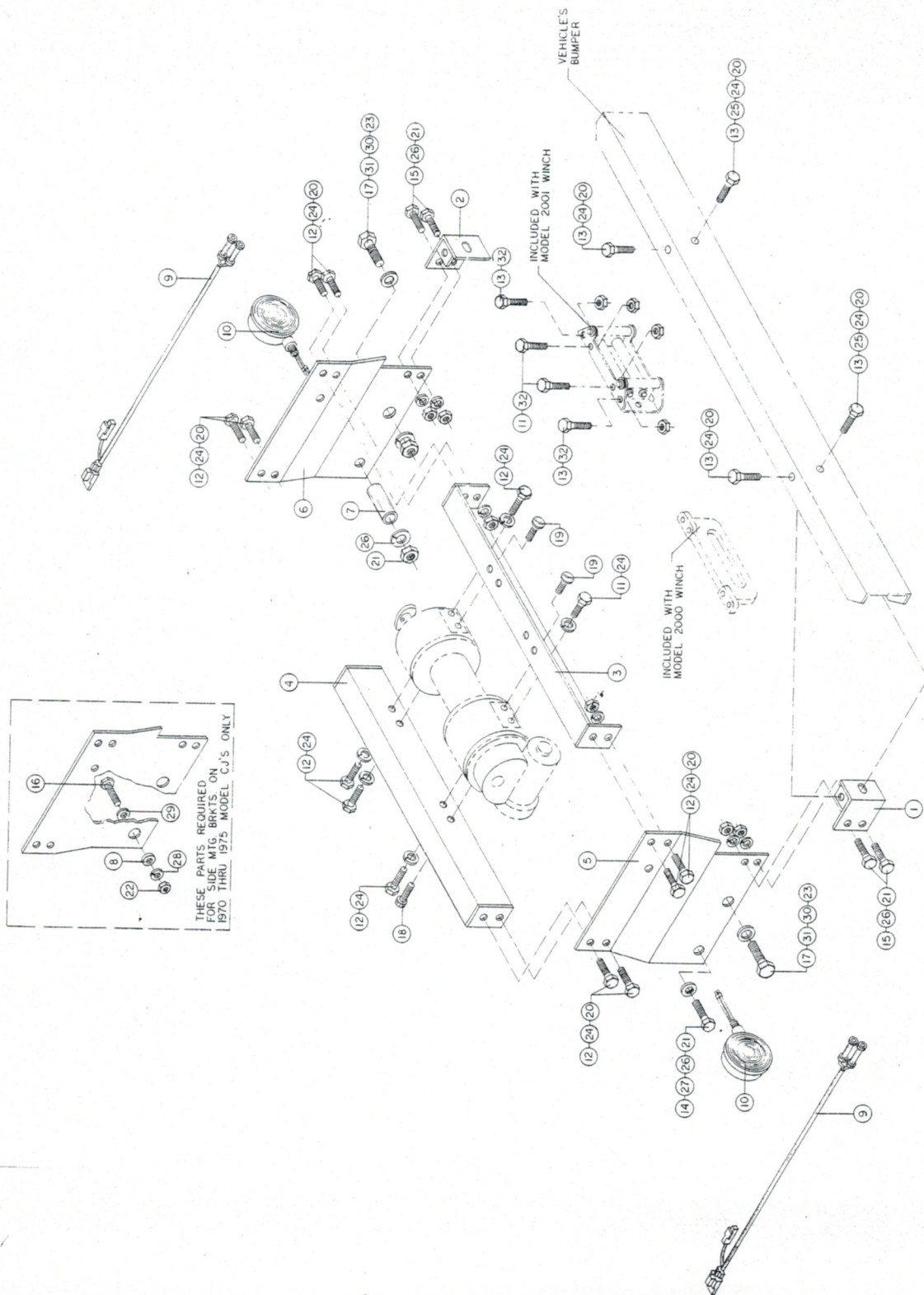
1. Connect battery cable to winch.
2. Route cable between grille and vehicle's crossmember up to positive post of battery. *(Be sure cable is not on any sharp edges.)*
3. Plug remote switch into receptacle on winch.
4. Run winch forward and reverse to check connections.

E. Winch Cable

1. Unwind cable by rolling it along floor.
2. Place end of cable, opposite hook, through cable guide and into hole in drum.
3. Secure cable with setscrew.
4. Wind cable, using winch power, onto drum in even layers. *Refer to Winch Owner's Manual for safe operations.*

NOTE: RIGHT AND LEFT HAND DIRECTION DETERMINED AS IF SEATED BEHIND STEERING WHEEL.

Mounting Kit No. 2644



Parts List for Mounting Kit No. 2644

Item No.	No. Req'd	Part No.	Description
1	1	243031	Bumper Bracket — R.H.
2	1	243032	Bumper Bracket — L.H.
3	1	299625	Mtg. Angle Assembly — Front
4	1	299626	Mtg. Angle Assembly — Rear
5	1	312295	Side Mtg. Bracket — R.H.
6	1	312296	Side Mtg. Bracket — L.H.
7	2	362175	Spacer
8	2	362192	Spacer
9	2	440074	Wire Harness
10	2	440075	Turn Lights
12	8	414310	Capscrew $\frac{3}{8}$ -16NC x 1 Hx. Hd. Cad. Plated
13	4	414311	Capscrew $\frac{3}{8}$ -16NC x 1 $\frac{1}{4}$ Hx. Hd. Cad. Plated
14	2	414545	Capscrew $\frac{1}{2}$ -13NC x 3 $\frac{1}{2}$ Hx. Hd. Cad. Plated
15	4	414568	Capscrew $\frac{1}{2}$ -13NC x 1 Hx. Hd. Cad. Plated
16	2	414631	Capscrew $\frac{5}{8}$ -12NC x 1 $\frac{1}{2}$ Hx. Hd. Cad. Plated
17	2	414765	Capscrew $\frac{3}{4}$ -10NC x 1 $\frac{1}{2}$ Hx. Hd. Cad. Plated
20	12	418035	Nut $\frac{3}{8}$ -16NC Hx. Reg. Cad. Plated
21	6	418069	Nut $\frac{1}{2}$ -13NC Hx. Reg. Cad. Plated
22	2	418075	Nut $\frac{5}{8}$ -12NC Hx. Reg. Cad. Plated
23	2	418099	Nut $\frac{3}{4}$ -10NC Hx. Reg. Cad. Plated
24	12	418177	Lockwasher $\frac{3}{8}$ Med. Section Cad. Plated
25	2	418181	Washer $\frac{3}{8}$ Flat Cad. Plated
26	6	418218	Lockwasher $\frac{1}{2}$ Med. Section Cad. Plated
27	2	418223	Washer $\frac{1}{2}$ Flat Cad. Plated
28	2	418232	Lockwasher $\frac{5}{8}$ Med. Section Cad. Plated
29	2	418233	Washer $\frac{5}{8}$ Flat Cad. Plated
30	2	418249	Lockwasher $\frac{3}{4}$ Med. Section Cad. Plated
31	2	418251	Washer $\frac{3}{4}$ Flat Cad. Plated
			WINCH MOUNTING BOLTS
11	1	414309	Capscrew $\frac{3}{8}$ -16NC x $\frac{3}{4}$ Hx. Hd. Cad. Plated
12	4	414310	Capscrew $\frac{3}{8}$ -16NC x 1 Hx. Hd. Cad. Plated
18	1	414912	Capscrew $\frac{3}{8}$ -16NC x $\frac{5}{8}$ Hx. Soc. Hd. Cad. Plated
19	2	414915	Screw $\frac{3}{8}$ -16NC x $\frac{3}{4}$ Flat Hd. Slot Cad. Plated
24	5	418177	Lockwasher $\frac{3}{8}$ Med. Section Cad. Plated
			FAIRLEAD BOLTS
11	2	414309	Capscrew $\frac{3}{8}$ -16NC x $\frac{3}{4}$ Hx. Hd. Cad. Plated
13	2	414311	Capscrew $\frac{3}{8}$ -16NC x 1 $\frac{1}{4}$ Hx. Hd. Cad. Plated
32	4	418044	Nut Flex-loc $\frac{3}{8}$ -16NC Hx. Reg. Cad. Plated

When ordering parts be sure they are Ramsey Certified Parts.



Ramsey Winch Company

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