



# INSTALLATION AND OPERATING INSTRUCTIONS FOR RAMSEY UNIVERSAL FRONT MOUNT WIRELESS REMOTE CONTROL KITS # 251200, 251201, & 251202



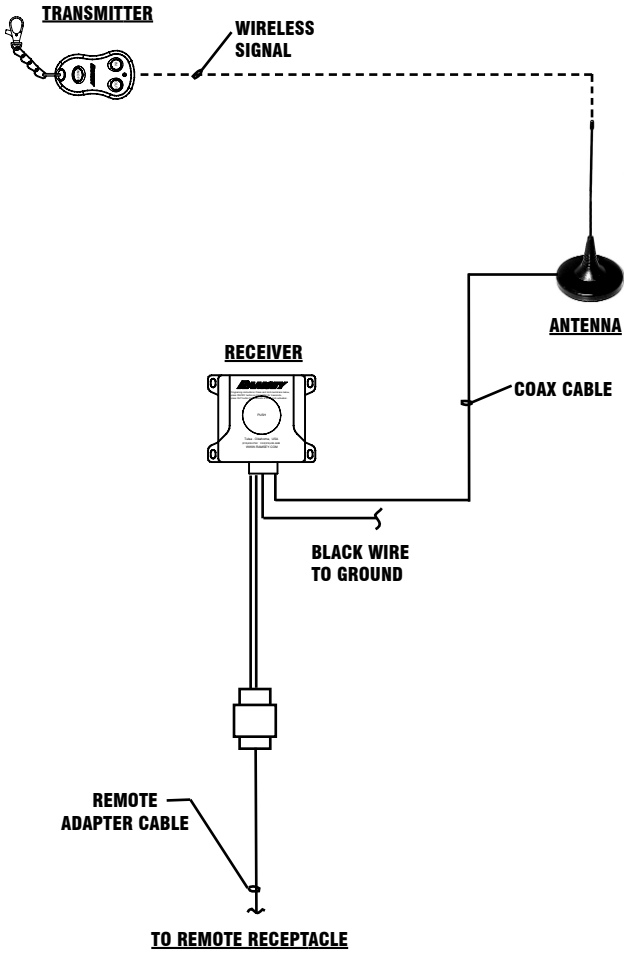
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**The following are general installation instructions. Actual installation may vary depending on the vehicle.**

## **Warnings**

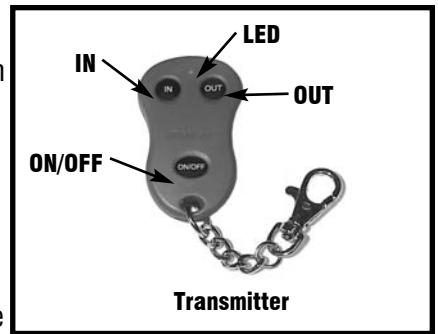
- 1. THE RAMSEY UNIVERSAL WIRELESS REMOTE IS DESIGNED FOR USE ON FRONT MOUNT SELF-RECOVERY WINCHES ONLY. THE REMOTE IS NOT DESIGNED FOR AND SHOULD NOT BE USED ON WINCHES OR HOISTS IN INDUSTRIAL APPLICATIONS (CAR HAULERS/CARRIERS, WRECKERS, CRANES, ETC.) OR FOR ANY OTHER REMOTE CONTROLLED APPLICATION.**
- 2. WHEN REELING IN CABLE UNDER NO LOAD, RELEASE THE REMOTE BUTTON WHEN THE HOOK IS A MINIMUM OF 13 FT (4M) FROM THE WINCH FAIRLEAD. CAREFULLY JOG THE REMOTE CONTROL BUTTON UNTIL THE HOOK IS A MINIMUM OF 3 FT (1M) FROM THE FAIR-LEAD. UNPLUG THE REMOTE ADAPTER OR TURN OFF THE BATTERY MASTER SWITCH. DISENGAGE THE CLUTCH AND FINISH SPOOLING IN CABLE BY ROTATING THE DRUM BY HAND.**
3. When finished winching, turn transmitter off.
4. When winch is not in use, unplug remote adapter cable or turn battery master switch off.
5. Do not pressure wash or steam clean the receiver. This can damage the receiver and adversely affect operation.
6. Refer to winch owner's manual for all winch operating instructions and warnings.

# Electrical Schematic



### **Testing/Operation**

1. Reconnect the positive power lead from solenoid to battery.
2. Pull approximately 20 ft of cable off the winch by hand.
3. Re-engage the winch clutch.
4. Test the remote transmitter. The transmitter has push buttons labeled according to their function. To operate the winch, hold "ON/OFF" button for 2 seconds to activate the "IN" and "OUT" functions. (1 flash indicates transmitter is "ON", 2 flashes indicate transmitter is "OFF").
6. Run winch in the "OUT" direction briefly. Make sure the motor has stopped fully before reversing to prevent premature solenoid failure. Run winch in the "IN" direction briefly.
7. Follow instructions in your winch owner's manual for properly reeling in the rest of the cable. The transmitter is clearly labeled and a red LED flashes when the winch is in operation. To turn transmitter off press and hold the "ON/OFF" button for 2 seconds to disable the transmitter when winch is not in use. This will pro-long the battery life of the transmitter. The transmitter automatically turns off after 20 minutes.



### **PROGRAMMING THE RECEIVER FOR USE WITH A REPLACEMENT TRANSMITTER**

When you purchase a replacement transmitter, it will be necessary to reprogram your receiver to accept the code for the new transmitter. To reprogram the receiver, press and hold membrane located in the center of receiver face (area marked "push"). Press and hold "ON/OFF" button on transmitter for 3 seconds. Press and hold "OUT" button for 3 seconds or until winch activates.

**CAUTION: The center membrane area of the receiver face must only be pressed when programming a new transmitter.**



**REMOTE RECEIVER**



**WIRING HARNESS (NOT USED)**



**ANTENNA**



**MOUNTING SCREWS**



**REMOTE TRANSMITTER**



**CABLE STORAGE CLIP**



**REMOTE ADAPTER CABLE**

**Wireless Remote Parts List**

ITEM NO.	QTY.	PART NO.	DESCRIPTION
1	1	251251	ANTENNA KIT
2	1	282058	RECEIVER & TRANSMITTER KIT
3*	1	289188	ADAPTER CABLE - RAMSEY
	1	289189	ADAPTER CABLE - WARN
	1	289190	ADAPTER CABLE - SUPERWINCH
4	1	251190	REPLACEMENT TRANSMITTER
5	1	**	REPLACEMENT TRANSMITTER BATTERY
6	1		CABLE STORAGE CLIP
7	1		WIRING HARNESS (NOT USED)

\* WHEN RE-ORDERING, ORDER THE PART NUMBER FOR THE TYPE OF WINCH YOU HAVE.

\*\* SONY CR2032 OR DURACELL DL2032

## **Installing the Receiver**

**Before starting installation: Disconnect positive power lead from winch to battery. Disengage winch clutch.**

Carefully route wireless remote adapter cable from the remote receptacle on winch through or around the front grille of vehicle and into motor cavity. Be sure to avoid sharp edges.

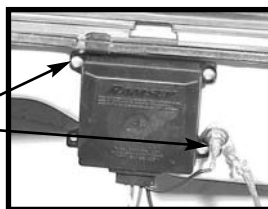
Neatly coil excess remote adapter cable and secure with cable ties. Stow the coil in a convenient location where it will not come in contact with any moving parts or sharp edges.



### **A. Near Dedicated Ground Stud**

**Receiver mounting/grounding:** Position receiver in a convenient location close to a dedicated ground stud on firewall. Using the receiver as a template, mark the location of the holes on the mounting surface. Drill four holes using a 1/8" drill bit. Attach receiver using (4) #8 mounting screws. Attach receiver ground wire to dedicated ground stud. Attach white plug on adapter cable to white plug on receiver cable.

**Note: Discard remaining wiring harness.**



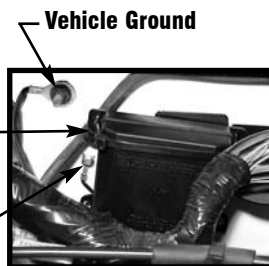
### **CAUTION:**

- 1. Do not alter the length of the ground wire as this will affect performance of the remote.**
- 2. Receiver must be mounted on a flat surface in upright position (wires down).**

### **B. Alternate Location**

Alternative receiver mounting/grounding: Position receiver in a convenient location on metal surface adjacent to vehicle ground. Vehicle grounds are located throughout the interior of motor cavity on sheet metal surfaces. Using the enclosed cable ties, attach receiver in convenient location. Using ground wire terminal for a template, mark location for attaching ground wire. Drill a hole using a 1/8" drill bit. Attach receiver ground wire using supplied #8 mounting screw. Attach white plug on adapter cable to white plug on receiver cable.

**Note: Discard remaining wiring harness.**



### **CAUTION:**

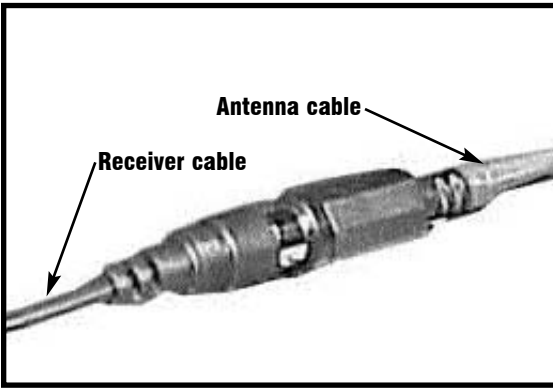
- 1. Do not alter the length of the ground wire as this will affect performance of the remote.**
- 2. Receiver must be mounted on a flat surface in upright position (wires down).**

## Installing the Antenna

Find an appropriate location on hood and mount magnetic antenna. Make sure antenna cable is positioned so it will not be damaged when hood is opened or closed.

Carefully route antenna cable and receiver cable through motor cavity. Be sure to avoid sharp edges. Connect the cables as shown below.

Neatly coil excess cable and secure with cable ties. Stow the coils in a convenient location where they will not come in contact with any moving parts or sharp edges.



## Installing Cable Storage Clip



Clean mounting surface with isopropyl alcohol and buff dry. Install storage clip in a convenient location on the back side of your winch.

**When winch is not in use, unplug adapter cable from winch remote socket and secure to back of winch using storage clip as shown, or turn battery master switch off.**

## Trouble Shooting Guide

Condition	Possible Cause	Correction
<b>Transmitter won't operate</b>	<p><b>Transmitter is off.</b></p> <p><b>Low transmitter battery voltage.</b></p> <p><b>Transmitter temperature below 0°F (-18°C).</b></p>	<p><b>Turn transmitter on (See Testing/Operation) .</b></p> <p><b>Replace Battery.</b></p> <p><b>In extremely cold temperatures, keep transmitter in a pocket of innermost layer of clothing when not in use.</b></p>
<b>Remote receiver will not operate.</b>	<p><b>Bad ground connection.</b></p> <p><b>Receiver not coded with transmitter.</b></p>	<p><b>Make sure receiver ground wire has good connection to vehicle ground.</b></p> <p><b>Program receiver (refer to Programming the Receiver).</b></p>
<b>Intermittent operation.</b>	<p><b>External environmental conditions causing intermittent operation in a specific transmitter location.</b></p> <p><b>Signal deflecting off of land mass or solid structures.</b></p> <p><b>Transmitter out of operating range.</b></p> <p><b>Operating within 50 ft. of any similar device.</b></p> <p><b>Low vehicle battery voltage.</b></p>	<p><b>Move around the vehicle until normal operation resumes .</b></p> <p><b>Keep transmitter in direct line of sight with antenna for optimal operation.</b></p> <p><b>Stay within 50 ft. of antenna for optimal operation.</b></p> <p><b>Make sure no similar devices are within 50 ft. of vehicle.</b></p> <p><b>Make sure vehicle battery voltage is above 9.5 volts.</b></p>

## **Warranty Information**

If the need should arise, warranty procedure is outlined on the back of your self-addressed, postage paid warranty card. Please read and fill out the enclosed warranty card and send it to Ramsey Winch Company. If you have any problems with your wireless remote, please follow instructions for prompt service on all warranty claims.

## **Limited Lifetime Warranty**

Ramsey Winch offers a limited lifetime warranty for each new Ramsey wireless remote against manufacturing defects in workmanship and materials on all manufactured components.

The wireless remote carries a limited 1-year warranty.

The obligation under this warranty, statutory or otherwise, is limited to the replacement or repair at the manufacturer's factory, or at a point designated by the manufacturer, of such part as shall appear to the manufacturer, upon inspection of such part, to have been defective in material or workmanship. This Warranty does not obligate Ramsey Winch Company to bear the cost of transportation charges in connection with the replacement or repair of defective parts, nor shall it apply to a product upon which repairs or alterations have been made, unless authorized by the manufacturer, or for equipment misused, neglected, or improperly installed.

**Important notice:** To the fullest extent permitted by applicable law, the following are hereby excluded and disclaimed: 1. All warranties of fitness for a particular purpose; 2. All warranties of merchantability; 3. All claims for consequential or incidental damages. There are no warranties that extend beyond the description that appears on the face hereof.

Some states do not allow the above exclusions or disclaimers in consumer transactions and as such this disclaimer/exclusion may not apply to your particular case.

To the extent such warranties of fitness for a particular purpose or merchantability are deemed to apply to this product, they exist only for so long as the express limited warranty elsewhere set forth is in existence.

Ramsey Winch Company makes no warranty in respect to accessories, same being subject to the warranties of their respective manufacturers.

Ramsey Winch Company, whose policy is one of continuous product improvement, reserves the right to improve any product through changes in design or materials as it may deem desirable without being obligated to incorporate such changes in products of previous manufacture.

If field service at the request of the buyer is rendered and the fault is found not to be with Ramsey Winch Company's product, the buyer shall pay the time and expense of the field representative. Bills for service, labor or other expenses which have been incurred by the buyer without express approval or authorization by Ramsey Winch Company will not be accepted.

This Warranty gives you specific legal rights and you may also have other legal rights which vary from state to state.



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