

SERVICE ADVISORY # 10-141

Raptor Remote

It has been decided that the remote receiver manufactured by Interactive Technologies, Inc and supplied by River Park, Inc. is not compatible with the high speed landing gear motor. If the motor is operated in a binding situation, the remote receiver may be damaged and overheat due to a combination of inadequate breaker and fuse protection and the excessive amp draw of the motor. Continuing to operate the landing gear motor without the remedy offered will increase the risk of fire, personal injury and property damage. The following procedure describes how to correct the issue.

Models Included:

2010 Raptor Fifth Wheels with Interactive Technologies Remote System

Serial Number Ranges:

AR800797, AR800853 - AR800859, AR800880 – AR800886, AR800919 - AR801342

Parts Required per Unit:

(1) - KRV # 310984 Kit Service Advisory 10-141

Tools Required:

- #2 Square Screw Driver
- Wire Stripers/Crimpers
- # 1 Phillips Screwdriver
- 3/8" Socket & Ratchet

GENERAL INFORMATION

- Stock units must be remedied before selling.
- Read the instructions prior to repairing the unit.

REPAIR INSTRUCTIONS

ONE: PREPARING THE TRAILER

- Step 1 Locate the trailer on a level, flat, hard surface. Chock the wheels.
- Step 2 Disconnect the RV from shore power, tow vehicle, and disconnect the battery ground wire.

TWO: REPLACE THE LANDING GEAR MOTOR

- Step 1 Locate the landing gear motor in the front compartment. Cut the wires at the wire connectors on the motor and remove the motor from the gearbox.
- Step 2 Install the supplied motor with attached relay. See Fig. 1.
- Step 3 Install the ¼" slide on terminals wires coming from the remote receiver that were disconnected from landing gear motor. Attach the wires to the solenoid per the wiring diagram. Black wire goes to T1 terminal and white wire goes to T2 terminal.

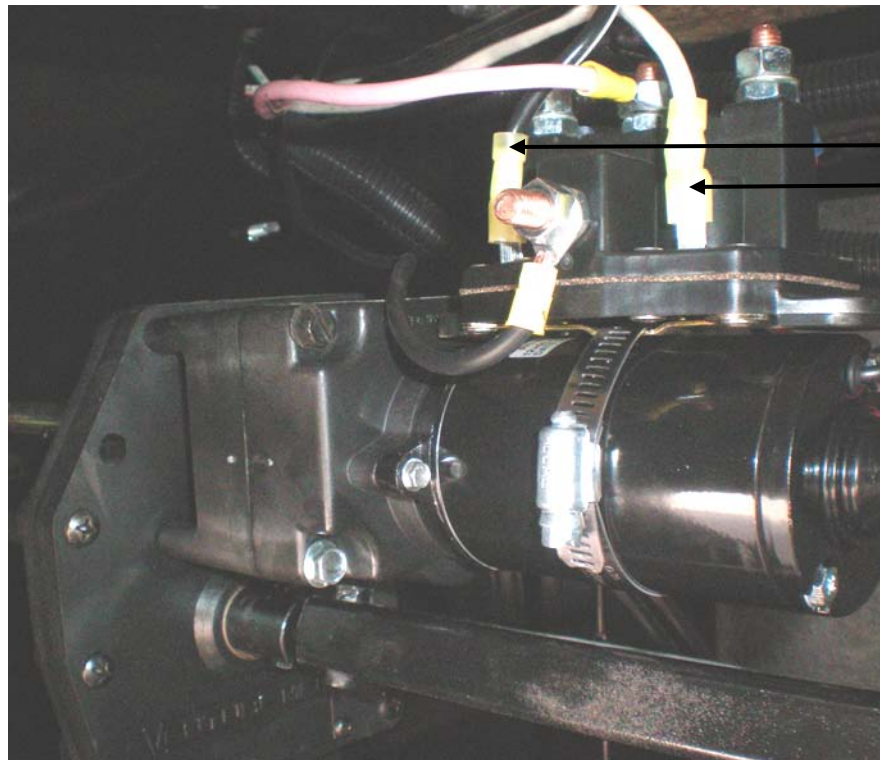


Fig. 1

- Step 4 Route the power and ground wires attached to the relay to the battery compartment.
- Step 5 Attach the power wire with the 30 amp fuse to the copper lug of one of the 50 amp breakers as shown in the wiring diagram.
- Step 6 Connect the ring terminal of the ground wire to the ground lug located in the battery/pump compartment. Ensure the star washer is placed on the screw last, so it resides between the ring terminals and the chassis.

THREE: INSTALL 25 AMP BREAKER

- Step 1 In the battery compartment install the 25 amp Shortstop breaker beside the other two 50 amp Shortstop breakers. Install the red breaker cover on the breaker. See Fig 2.



Fig. 2

Step 2 Attach the 6 ga jumper wire from the battery side of the 25 amp breaker to the copper battery terminal of the adjacent 50 amp breaker to supply power to the 25 amp breaker. See Fig 2.

Step 3 Move the 2 black 10 ga wires for the remote receiver from the 50 amp breaker to the silver protected side of the 25 amp breaker. See wiring diagram.

Step 4 Using the supplied wire ties, secure the wires.

FOUR: REPLACE THE REMOTE CONTROL RECEIVER

Step 1 Locate the remote control receiver in the door side storage compartment.

Step 2 Remove the receiver from the underside of the floor.

Step 3 Remove the cover from the receiver.

Step 4 Transfer the wires one at a time from the existing control board to the new one supplied by Keystone taking care to keep the wires connected correctly. Rewire inputs 1 – 13 one at a time using the supplied bell cap connectors.

Step 5 Re-connect the battery ground wire and the RV shore power.

Step 6 Program the remote. Press and hold the program switch (see wiring diagram) until the status LED is off. While continuing to hold down the program button, press and hold any button on the remote control. The LED will flash twice. Release all buttons; programming is complete.

Step 7 Install the cover on the remote receiver box and reattach to the floor.

FIVE: TESTING

Step 1 Verify all connections are solid, wiring is secured and located to avoid damage from carry on cargo. Use wire ties as needed to secure wiring.

Step 2 Test all the functions on the remote system, using both the remote and the switches. An Owner's Manual and Troubleshooting Guide can be downloaded from Key Express under the Training Resources link.

SIX: WARRANTY REIMBURSEMENT

Submit the claim on Key Express or on a Keystone Warranty claim form with **Service Advisory # 10-141** noted in the customer complaint section of the form using **Flat Rate Code # 7114142C**. The amount of time authorized for this repair is 2.0 hours.

SEVEN: PART RETURN

No part return is required.

If you have any questions please contact at 866-273-1452.

REVERSE POLARITY DC CONTACTOR

