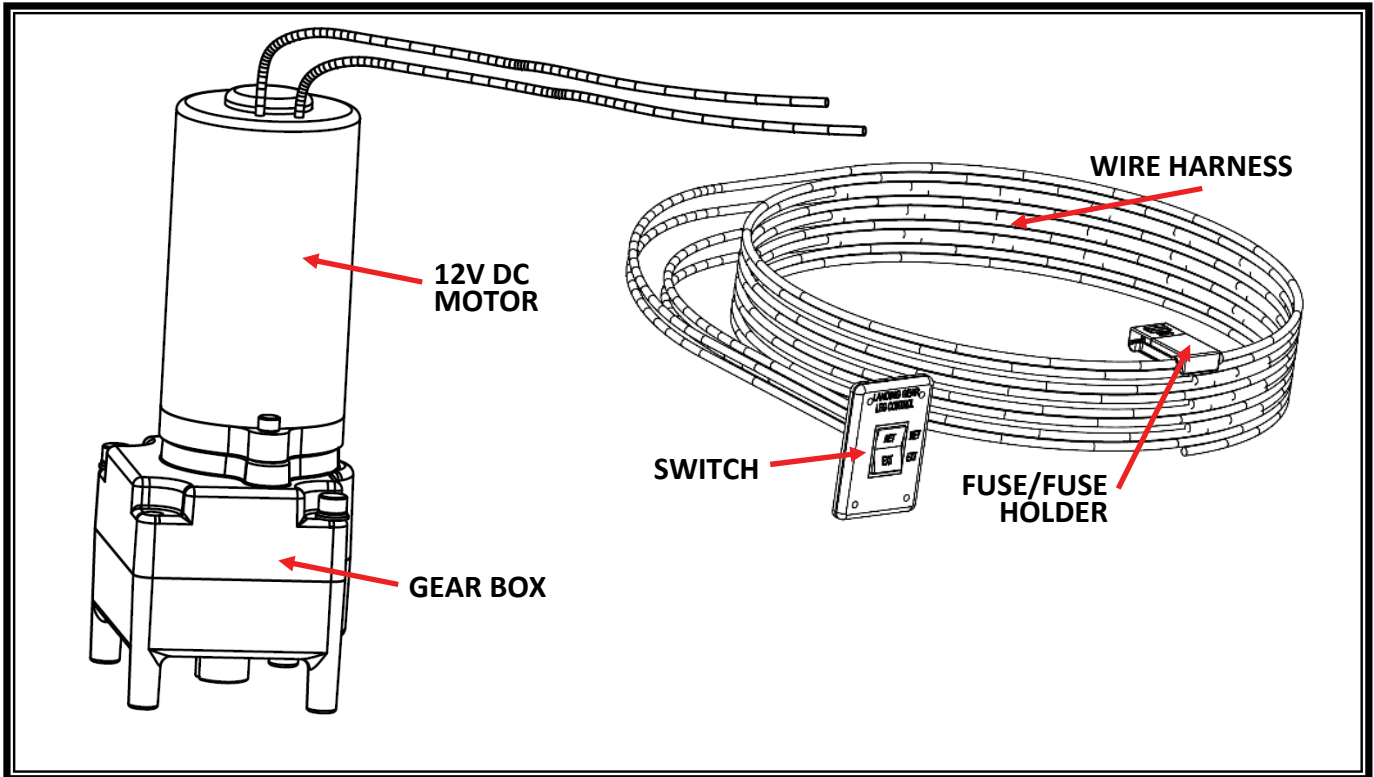


INSTALLATION/OPERATION



APPLICATION

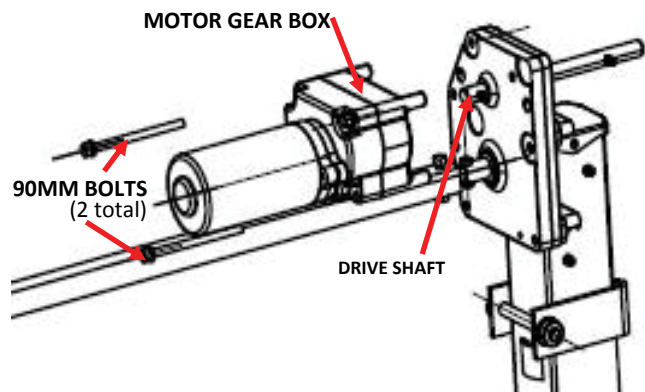
The Ultra-Series Manual Landing Gear 12V Motor and Switch Kit attaches to the gear reduction box of the drive leg of the manual landing legs.

ASSEMBLY & INSTALLATION

The 12VDC electric drive motor must be installed on the inside of the gear box located on the same side of the trailer from which the landing legs are now hand cranked.

Put slotted coupling of motor over the end of the shaft on the gear box.

Secure motor to gear box with two 6mm dia. x 90mm long hex head bolts. Thread bolts into the two tapped holes in the gear box.



WARNING! EXPLOSION!
SWITCH IS NOT IGNITION PROTECTED. DO NOT INSTALL IN AREAS WHICH REQUIRE IGNITION PROTECTED DEVICES (SUCH AS BATTERY OR PROPANE TANK STORAGE COMPARTMENTS).



ULTRA-SERIES MOTOR & SWITCH KIT FOR MANUAL FIFTH WHEEL LANDING GEAR

UF# 17-943045

US PATENT 9,821,774 B1

Choose panel or surface on which electric switch will be mounted. Protect from environment by mounting inside an access door or protected exterior surface. Cut either a rectangular hole or a 41mm diameter hole and deburr the hole in panel through which wires will pass. Protect wires from edge of hole by using grommets or strain relief bushing (not furnished).

Position panel with the gasket side against the mounting surface. It is recommended to use sealing screws to prevent moisture intrusion.

Do not cut the wire tie located under the heat shrink tubing. Wires will spread and can pull off the terminal.

LENGTH	WIRE COLOR	POINT OF TERMINATION
48"	ORANGE— Fuse & Holder	+12VDC BATTERY TERMINAL
48"	BLACK	CHASSIS GROUND OR— BATTERY TERMINAL
84"	RED	RED MOTOR LEAD
84"	BLACK	BLACK MOTOR LEAD



NOTE: IF VEHICLE HAS AUXILIARY BATTERY, CONNECT TERMINAL TO AUXILIARY BATTERY SO THAT LANDING LEG MAY BE USED WHEN CONNECTED TO 115V. IF ADDITIONAL WIRE IS NEEDED, USE NO SMALLER THAN #10 STRANDED COPPER WIRE.

After reinstalling fuse in system, check installation by moving switch to **RET** (retract) to raise landing legs and **EXT** (extend) to lower legs.

POWER OPERATION

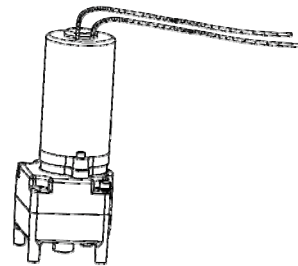
Prior to operation, be sure battery is fully charged. Low voltage may result in damage to the electrical portion of the system.

To **EXTEND** electric landing gear: Push EXT side of the landing gear switch. Hold the button down until the desired condition of level is reached. Release button when established.

WARNING: DO NOT OVER EXTEND THE ELECTRIC LANDING GEAR. OVER-EXTENDING THE LANDING GEAR MAY RESULT IN DAMAGE OF THE DRIVE SHAFT PUTTING THE UNIT IN AN UNSAFE CONDITION AND WILL NOT BE COVERED BY PRODUCT WARRANTY.

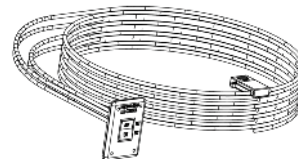
To **RETRACT** electric landing gear: Push RET side of the landing gear switch. Hold button down until landing gear is retracted. Release button.

REPLACEMENT PARTS



17-861009

Motor and Gearbox Assembly



17-861010

Switch and Harness Assembly

