



New Osprey PowerJack™ Instructional Guide

Nuance Energy's patent pending Osprey PowerJack™ is a multi-purpose construction tool and powerful jack used to pull and measure in real time soil conditions, the "uplift load test" capacity of earth anchors, which are the foundations that secure the patented Osprey PowerPlatform® ground mount racking system to the ground during installation. The Osprey PowerJack may also be used to pull earth anchor drive rods from tough soil conditions before anchor testing is performed.

Included Parts

- Osprey PowerJack™, Swivel Shoe Plate, Drive Rod Pull Plate,
- Pivot Bolt with 3/4" Head and Pivot Bolt Nut 3/4",
- (2) 1/4" 20 Bolts for Mounting Scale,
- 13/16" Deep Nut attached to shaft of PowerJack
- 5,000lbs Pre-calibrated S-Beam Load Cell with Eye Bolts
- LCD Display with (3) AA Batteries (batteries included)

Recommended PPE for Safe Operation

- Follow OSHA requirements and wear a Hard Hat,
- Gloves, Safety Glass Wear and Work Boots

Recommended Tools

- Deep 13/16" Impact Socket
- High Torque Impact Drill with 1/2" Drive

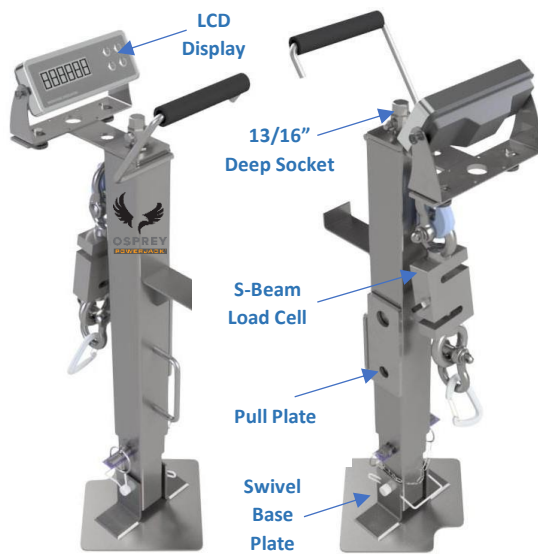


Figure 1.

Figure 2.



Figure 3.

Recommended Best Practices

- Use High Torque Impact Gun w/ 1/2" Drive (Figure 3)
- Use pivot action of PowerJack Swivel Shoe Plate to match outward angle in which Anchor was driven into ground
- Use PowerJack's Pull Plate with Magnet (face down) to remove an Anchor Drive Rod. Pull Plate will shape after first use
- Once the first Anchor pull test is achieved release tension on Cable by reversing the torque setting on the Impact Drill, then slide the Wedge Grip and Washer down Cable on the Osprey PowerPlatform® Shoe Plate. Repeat on all Anchor tests
- Place the PowerJack steel shelf under an Osprey PowerPlatform C-Channel member to raise the front or rear chassis Stud or end Stud if you need to level any soil under an Osprey Shoe Plate
- Calibrate S-Beam annually

Assembly Required

- Step 1:** Insert (3) AA batteries (included) and mount the LCD Display Indicator (optional) to top Bracket (Figure 1).
- Step 2:** Remove Pivot Pin from Swivel Shoe Plate. Insert PowerJack drop leg. Insert Pivot Bolt and tighten with 3/4" Socket.
- Step 3:** Connect Two Turn Buckles (included) to 1 Bolts on S-Beam Load Cell (Figure 2).
- Step 4:** Slide top turn buckle into Hook on PowerJack (Figure 2).
- Step 5:** Connect 6' cord to back of LCD Display. Turn on LCD Display and zero out Scale before use.
- Step 6:** Add paper wad or rubber to 13/16" Deep Socket to lighten pounding force of Impact Drill. This will significantly cut down on sound during use.

Warranty: One (1) Year Warranty from date of purchase.