

Skyjack Technical Service

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TECH TIP OCTOBER 2023 3 THINGS A SERVICE TECH SHOULD KNOW

Every manufacturer has certain methods when designing their equipment. Skyjack is no exception. When testing a Skyjack product, remember these 3 tips to help you test and diagnose problems quickly and accurately.

1. Skyjack Scissor lifts and Boom lifts do not use frame ground. The ground circuit on these models is circuit breaker protected, and each component needing a ground will have a dedicated wire at the device. The ground circuit breaker is identified easily by looking at the wires on it. 00 and 02 will be at each side of the breaker. 00 is the battery negative connection, and 02 is the circuit protected side that runs into the machine harnesses to each component. When testing electrically, always use a 02 wire, 00 wire, or Battery ground itself for your voltmeter negative lead connection. 02 is always solid white color wire except for some wiring related to component harnesses.
2. Since it is very important to check hydraulic pressures to diagnose problems and set various valves to specified pressures for correct and safe operation, we provide gage test ports on our models. For each specific pressure setting, the service manual for the serial number unit you are working on will have instructions for checking and adjusting these pressures, as well as the location of the correct test port for the pressure gage to connect. The older skyjack Scissor lifts and Boom lifts use a quick connect type gage port. The models made later and the TH telehandlers all use a #4 JIC capped port. Remove the cap and attach your gage hose there for a solid leak-free connection.
3. All Skyjack Electric powered and Engine powered scissor lifts have the capability to relocate the platform control box to the base of the unit for testing. The electric scissor lift control box can be disconnected and reconnected at the base just inside and below the steps at the rear of the frame. The Engine powered scissor lifts allow the platform control box to be relocated to the base inside the cabinet not far from the base control panel. This allows the technician to operate functions from the control box while testing at the main electrical panel. Connecting the control box at the base bypasses the scissor stack harness which can prove if the stack harness or the cable connectors are faulty or needing repair.

Anytime you have a question regarding your Skyjack product, please contact Skyjack Product Support at 1-800-275-9522 or email service@skyjack.com