



ROUTINE JACK MAINTENANCE BULLETIN

RJM 197

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TO PROVIDE COMPLETE INFORMATION ON SERVICING ColumbusJACK/REGENT QUALITY GROUND HANDLING EQUIPMENT

PROCEDURE FOR POSITIONING TRIPOD JACKS UNDER AIRCRAFT JACKING POINT

The following procedure is provided as an aid in positioning tripod jacks under aircraft jacking points. As this is an aid only, any procedures provided by either the airframe manufacturer or any locally generated procedures will have precedence.

1. Open release valve on jack and completely lower ram(s).
2. Carefully position jack under aircraft jack point. Verify that jack footpads will rest on level concrete foundation. If not on concrete, it may be necessary to place a flat steel plate under footpads to distribute jack bearing pressure.
3. Raise screw extension completely or as far as possible until jack adapter is centered approximately 1.0 inch (25 mm) from jack point on aircraft.
4. If jack adapter is more than 1.0 inch (25 mm) from jack point, close release valve on jack and using pump, extend ram(s) until jack adapter is centered within 1.0 inch (25 mm) of jack point on aircraft.
5. If jack contains fixed footpads, rotate jack approximately 15 degrees in any direction to minimize jack movement when the load is applied to the jack adapter. Verify that jack adapter is still centered under jack point on aircraft and reposition jack as required.

If jack contains leveling footpads, lower all three footpad assemblies and level jack. Use bubble level located near hand pump to ensure jack is level. Verify that jack adapter is still centered under jack point on aircraft and reposition jack as required.

If jack contains hydraulic casters, use hand pump on each caster to level jack. Use bubble level located near hand pump to ensure jack is level. Verify that jack adapter is still centered under jack point on aircraft, and reposition jack as required. Open release valve on all three hydraulic caster hand pumps.

6. Using the operating instructions in the jack's manual, raise aircraft to desired height.