

# Nitrogen & Hydraulic Strut Service Cart

## Model 8774C



The Model 8774C 3-Bottle Nitrogen & Hydraulic Strut Service Cart is suitable for all narrow and wide body aircraft. This low profile service unit dramatically reduces aircraft landing gear maintenance time. An aircraft equipped with dual chamber struts may involve at least 10 hours for normal fluid and nitrogen service. The 8774C accomplishes the same task in under 30 minutes.

Model 8774C ensures only new fluid is used for refilling aircraft struts by dumping used hydraulic fluid to waste reservoir. The unit is powered by dual power sources: normal shop air and the on-board nitrogen bottles. For ramp operations, the unit is designed to use the onboard nitrogen in lieu of shop air to operate the hydraulic system. The control console provides easy and convenient operation for all strut service procedures. All panel controls are conveniently placed and easy to operate.

The Model 8774C is built to withstand harsh environmental conditions and rugged use, and to provide many years of continuous service. Our customers are guaranteed a quality product with each purchase and are assured of our continued product support whenever and wherever the need arises.

### Standard Features:

- Compatible with MIL-PRF-5606 hydraulic fluid and all other similar strut fluids
- 50 foot delivery hoses with safety chucks
- 10 micron filter system
- High quality regulators, valves and controls
- Counter balanced N2 bottle rack that makes loading and unloading an easy one person task
- Towbar with 3 inch lunette eye and a parking brake
- Rugged tubular chassis with air filled tires rated at 20 mph (32 kph) tow speed
- Eliminates discharge of strut fluid to atmosphere
- 20 foot service hose and low pressure regulator system for aircraft tire service
- Skydrol resistant paint (safety yellow)
- Shipment on domestic skid
- One year standard warranty

### Optional Features:

- Retractable fluid delivery hose reels
- 3600 psig nitrogen bottles (furnished empty) with CGA680 valve fittings installed
- Nitrogen boost pump system (capable of generating up to 3500 psi with bottles depleted to 300 psi)
- Customer specified paint color
- Export crating

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### Specifications:

Unit Weight without optional N2 bottles (dry).....	1130 lbs (513 kg)
Unit Weight with optional N2 bottles (dry).....	1730 lbs (785 kg)
Hydraulic Fluid Weight.....	80 lbs (36 kg)
Hydraulic Fluid.....	MIL-PRF-5606 or equivalent
Hydraulic Bypass Relief Valve set at .....	2500 psig (176 kg/sq cm)
Clean Reservoir Capacity.....	10 gallons (37.9 liters)
Waste Reservoir Capacity .....	10 gallons (37.9 liters)
Air Inlet.....	90-110 psig (6-8 kg/sq cm)
Fluid Pump Air Consumption.....	56 scfm @ 100 psig (1586 lpm @ 7 kg/sq cm)
Fluid Pump Nitrogen Consumption .....	62 scfm @ 100 psig (1756 lpm @ 7 kg/sq cm)
Fluid Delivery Rate .....	2 gpm @ 1500 psig(7.5 lpm @ 105 kg/sq cm)
Nitrogen Bottle Rack Capacity .....	3 bottles
Ground Clearance .....	6 inches (152 mm)
Fluid Filter.....	10 micron nominal
Maximum Towing Speed.....	20 mph (32 kph)
Standard Finish .....	Yellow skydrol resistant paint

### Optional Equipment Codes:

*(Specify with order)*

- HR: Hose Reel
- BP: Boost Pump
- NB: Nitrogen Bottles
- SPC: Special paint color

### Packaging Codes & Options:

*(Specify with order)*

- : Domestic Skid
- EC: Export Crate (Additional Cost)

<b>Shipping Data:</b>				
Packaging Code	Length inches (mm)	Width inches (mm)	Height inches (mm)	Weight lbs (kg)
-: Without optional N <sup>2</sup> bottles	126 (3200)	64 (1626)	56 (1422)	1530 (694)
With optional N <sup>2</sup> bottles	126 (3200)	64 (1626)	56 (1422)	2130 (966)
EC: Without optional N <sup>2</sup> bottles	128 (3251)	69 (1753)	59 (1499)	1780 (807)
With optional N <sup>2</sup> bottles	128 (3251)	69 (1753)	59 (1499)	2380 (1080)