

MALABAR

INTERNATIONAL

Model 8774B Nitrogen & Hydraulic Service Cart For Aircraft Landing Gear Maintenance



Faster and More Convenient Landing Gear Service...Even Dual Chamber Struts.

Model 8774B 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 8774 accomplishes the same task in under **30 minutes**.

Model 8774B includes a fluid recovery system to either reuse or dump fluid from the aircraft strut. The hydraulic system includes a fluid recovery circuit that filters and reuses the hydraulic fluid to eliminate costly fluid waste disposal. For operations requiring new fluid refill service only; the unit includes a fluid dump circuit to an external waste connection that ensures only new fluid is used for refilling.

Dual Power Sources: The unit is powered by 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.

Control Console: The control console provides easy and convenient operation for all strut service procedures. All panel controls are conveniently placed and easy to operate.

Model 8774B includes the following additional benefits:

- Compatible with MIL-H-5606 hydraulic fluid and all other similar strut fluids
- 50 foot delivery hoses with safety chucks are standard
- 10 micron filter system
- High quality pressure 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 are standard
- Rugged tubular chassis with foam filled tires rated at 20 mph (32 kp/h) tow speed
- System eliminates discharge of strut fluid to atmosphere.
- 20 foot service hose and low pressure regulator system for aircraft tire service.
- Skydrol resistant paint (yellow) is standard.

Optional Equipment:

- Retractable fluid delivery hose reels, 4 ea.
- 3500 psig nitrogen bottles, 3 ea.
- Nitrogen boost pump system (capable of generating up to 3500 psi with bottles depleted to 300 psi)

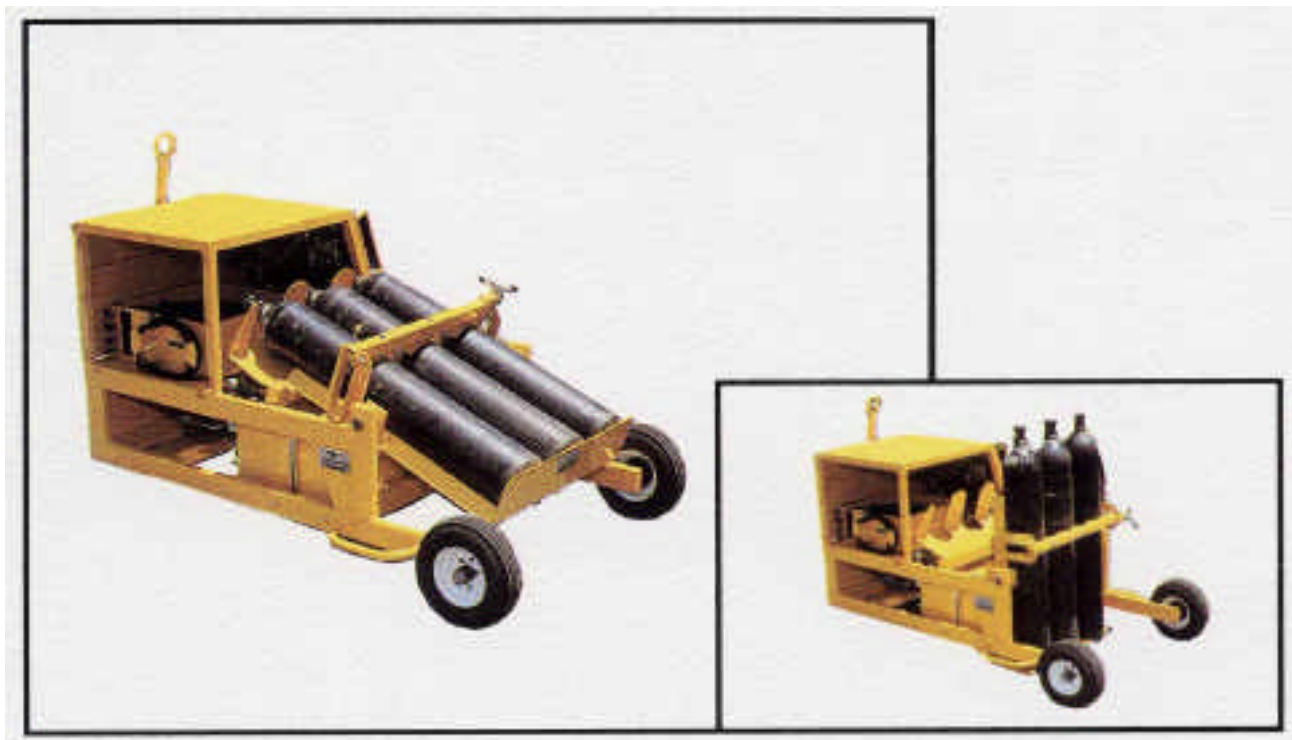
Specifications:

Model 8774B:

Unit Weight (dry):	1225 lbs. (556 kg.)
With optional N ₂ Bottles:	1425 lbs. (635 kg.)
Ground Clearance:	6.5 inches (165 mm)
Fluid Compatibility:	MIL-H-5606 or Equal
Fluid Reservoir Capacity:	35 US gallons (132 liters)
Fluid Delivery Pressure:	up to 2500 psig (175 kg/cm ²)
Fluid Delivery Rate:	2.0 gpm at 1500 psi (7.5 liters/minute at 105 kg/cm ²)
Air Supply Pressure:	90 to 110 psig (6.3 to 8.4 kg/cm ²)
Nitrogen System Pressure:	up to 3600 psig (253 kg/cm ²)
Hydraulic Pump Air or N ₂ Consumption:	Air: 56 scfm, N ₂ : 62 scfm
Nitrogen Bottle Rack Capacity:	3 ea. US DOT 2400 psi or 3600 psi sizes

Shipping Data:

Export Crate on Skid:	114"L x 62"W x 69"H, 1600 lbs. (726 kg.)
With optional N ₂ Bottles:	114"L x 62"W x 69"H, 1800 lbs. (818 kg.)



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Malabar Model 8774B Service Carts are built to withstand harsh environmental conditions, 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.

MALABAR International

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