

**TECHNICAL MANUAL**  
**OPERATOR, ORGANIZATIONAL, DIRECT**  
**SUPPORT & GENERAL SUPPORT**  
**MAINTENANCE MANUAL INCLUDING**  
**REPAIR PARTS LIST**  
**FOR**  
**CLEANER, STEAM PRESSURE**  
**JET SKID MOUNTED**  
**MODEL: RI 2400**  
**(NSN 4940-00-186-0027)**

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**HEADQUARTERS, DEPARTMENT OF THE ARMY**

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## 1 DESCRIPTION

### 1.1 NOMENCLATURE

The RI 2400 is a skid mounted Combination Steam Cleaner and heated or cold Pressure Washer capable of heating 200 GPH to 350°F ±10°F in the STEAM MODE and 300 GPH at 400 psi to 180°F ±10°F in the PRESSURE MODE. The unit will operate in the PRESSURE MODE to produce 240 GPH - 400 psi spray at ambient water temperature. The RI 2400 can operate with or without cleaning compound.

### 1.2 PURPOSE AND FUNCTION

Unit is designed for cleaning of equipment. It will remove dirt, grease, oil and will decontaminate. Unit can be used with or without cleaning compound.

### 1.3 DIMENSIONS, WEIGHT, VOLUME, CENTER OF GRAVITY

LENGTH : 49.5 in 55.5 with liftfng/tie-down eyes  
 Width: 36.5 in 38.5 with hose and gun rack  
 HEIGHT: 55.5  
 HEIGHT: 1200 lbs. with gun, hoses, rack, cover - dry.  
 CENTER OF GRAVITY: See drawing number JP7223.

### 1.4 POWER AND WATER REQUIREMENTS

VOLTAGE: 230 V., 1 ph  
 FREQUENCY: 50/60 Hz.  
 CURRENT: 11 and Fuse 15 amp Slow Blow  
 WATER: 4 GPM @ 25 to 125 psi or un-pressurized water source  
 with an elevation no greater than 10 feet lower than unit.

### 1.5 ENVIRONMENTAL REQUIREMENTS

Continous electrical spark and open flame present during operation. DO NOT operate in combustibile atomsphere or explosion will result.

1.5.1 Unit consumes oxygen during operation. Adequate fresh air must be provided during operation.

1.5.2 If unit is operated inside a building it must be vented to the outside. Open rain cap and install a 10 inch draft diverter and connect to a 10 inch class A flue.

1.5.3 If unit is operating in a heated room and vented to the outside during winter, a damper must be installed in flue and closed when unit is not in operation to prevent coil from freezing.

## 1.6 PACKING LIST

- 1 RI 2400 Cleaner
- 1 Suction Supply Hose - 1 inch ID x 35 feet with foot valve and coupling
- 1 Steam Hose 25 ft. long with coupling
- 1 Steam Hose 50 ft. long with coupling
- 1 Cleaning Wand with squeeze shut-off valve
- 1 Steam Blast Nozzle with orifice
- 1 2.inch Flat Steam Nozzle
- 1 4 inch Flat Steam Nozzle
- 1 Pressure Washer Tip
- 1 Pulley for 50 Hz. operation
- 2 Instruction Manuals
- 1 Inlet Water Hose 50 ft. 3/4 inch ID
- 1 Pack Fuse Plugs

## 1.7 ITEMS REQUIRED FOR OPERATION

POWER SOURCE: 230 V., 50/60 Hz., 1 ph (Fuse 15 amp Slow Blow.)

PLUG: To match power receptacle

WATER SOURCE: 25 to 125 psi 6 GPM minimum

## 1.8 STORAGE

1.8.1 Drain solution tank. Add 1 gallon anti-freeze (NSN 6850-00-644-1430) and 1 quart of water to solution tank.

1.8.2 Drain float tank using drain plug at bottom side of tank. Replace drain plug.

1.8.3 Remove fuse plug after water has stopped draining from unit, re-install fuse plug.

1.8.4 Fill float tank with anti-freeze mixture (75% NSN 6850-00-664-1430, 25% water) - approximately 3 gallons.

1.8.5 Connect unit to electric supply.

1.8.6 Place end of cleaning gun into float tank, open nozzle control valve on gun, hold open. Turn main power ON, set MODE switch for steam, turn pump ON. Before float tank empties add two additional gallons of 75% anti-freeze 25% water solution. This will permit anti-freeze/water solution to re-circulate thru unit.

1.8.7 After five (5) minutes of operation, close gun control to allow anti-freeze to flow thru the unloader by-pass line.

1.8.8 Open solution control valve wide to permit anti-freeze solution to flow thru solution lines and solution check valve.