

Forward Repair System (FRS)

Repairs battle-damaged combat systems "on-site," up through the direct support level, in the forward battle area.



DESCRIPTION AND SPECIFICATIONS

The Forward Repair System (FRS) is a high-mobility, forward-maintenance/repair module system that reduces man-hours for maintenance personnel. Mounted to a flatrack, it is transported by Palletized Load System (PLS) trucks in Force XXI Divisions, or by Heavy Expanded Mobility Tactical Truck - Load Handling System (HEMTT-LHS) in Stryker Brigade Combat Teams (SBCTs).

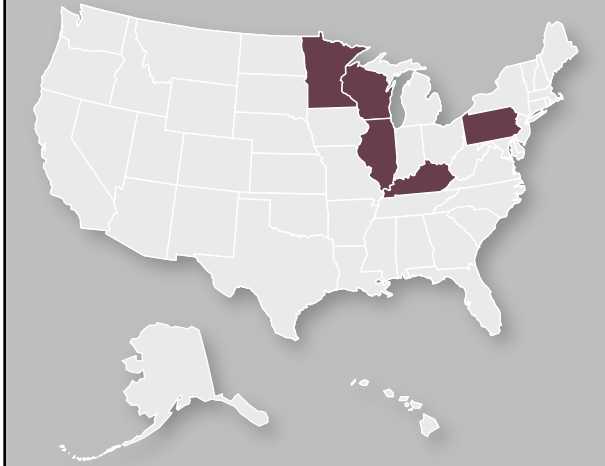
- Dimensions: 8 feet wide by 8 feet high by 20 feet long
- Weight: 24,600 pounds
- Air transportability: C-130, C-141
- Crane capacity: Up to 10,000 pounds with 14 foot radius
- Generator capacity: 35 kilowatts at 60Hz
- Air compressor: 175 pounds per square inch at 50 cubic feet per minute, 80 gallon capacity
- Welding and cutting equipment: Shielded metal arc "stick" welding, metal inert gas "MIG" welding, and exothermic cutting/brazing
- Tools: Industrial grade hand/pneumatic/power tools. FRS's tool load is functionally equivalent to #1 common tool kit
- Shelter/protection: Contains a canvas tarp and heater that protects from the weather yet preserves access to welding, air, and accessory tools
- Air jacks/bags: Two, Kevlar, each capable of lifting 40,000 pounds up to 15 inches
- 690 different tools

PROGRAM STATUS

- **Current** In production

PROJECTED ACTIVITIES

- Field to 3-13 Field Artillery, 25th Infantry Division, 4th Infantry Division and 2nd Cavalry Regiment (SBCT)



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CONTRACTORS

Oshkosh Truck (Oshkosh, WI)
 Rock Island Arsenal (Rock Island, IL)
 Grove Worldwide (Shady Grove, PA)
 Cummings Power (Minneapolis, MN)
 Ingersoll-Rand (Campbellsville, KY)

INVESTMENT COMPONENT

Modernization

ACQUISITION PHASE

- Production and Deployment