

Line Haul Tractor

INVESTMENT COMPONENT

Modernization

Recapitalization

Maintenance

MISSION

Supports combat service and support units with transportation of bulk petroleum products, containerized cargo, general cargo, and bulk water.

DESCRIPTION

The M915A5 Truck Tractor is a 6x4 semi-tractor used to perform the Line Haul mission. The M915A5 is a block upgrade of the M915A3 system, incorporating enhanced suspension and power train components. This block upgrade allows the M915A5 to readily accept armor packages without reducing mission capability.

Gross vehicle weight rating:

120,000 pounds

Unarmored Gross vehicle weight:

26,500 pounds

Armored Gross vehicle weight:

33,500 pounds

Fifth-wheel capacity:

six-inch, 30,000 pounds

Diagnosis:

Electronic

Brake system:

Anti-lock brake system (ABS)

Towing speed:

65 miles per hour with full payload

Engine: Detroit Diesel S60 (500 horse power, 1650 pound-foot torque, DDEC IV engine controller)

Transmission: Allison HD4500SP (six-speed automatic)

The M915A5 truck is equipped with a two-passenger cab and has an updated power distribution module, upgraded wiring harnesses, and a Roll Stability Control system. Auxiliary power connections have been added to supply emerging systems and added command, control, communications, computers, and intelligence communication systems. A pair of 60-gallon fuel tanks increases fuel capacity by 20 gallons to extend driving range. The cab is ten inches wider and extends 34 inches behind the driver and passenger seats. The vehicle has an improved ABS and an updated collision warning system.

The M915A3 Line Haul Tractor is the Army's key line haul distribution platform. It is a 6x4 tractor with a two-inch kingpin and 105,000-pound gross combination weight capacity.

Gross vehicle weight: 52,000 pounds

Fifth-wheel capacity:

two-inch, 30,000 pounds

Diagnosis:

Electronic

Brake system:

ABS

Towing speed:

65 miles per hour with full payload

Engine: Detroit Diesel S60 (430 horse power, 1,450 pound-foot torque, DDEC IV engine controller)

Transmission: Allison HD5460P (six-speed automatic) with power take-off

The M916A3 Light Equipment Transport (LET) is a 6x6 tractor with 68,000-pound gross vehicle weight tractor with 3-1/2-inch, 40,000-pound capacity, 45,000-pound winch for recovery and transport and compensator fifth wheel. It has an electronic diesel engine, automatic electronic transmission, ABS, and is capable of operating at speeds up to 60 miles per hour on flat terrain. This

Non-Developmental Item (NDI) vehicle is used primarily to transport the M870 40-ton low-bed semi-trailer.

The M917A2 and M917A2 Truck Chassis, 75,000 gross vehicle weight rating, 8x6 (for 20-ton dump truck), 12-cubic yard dump truck vehicles are authorized in Corps units, primarily the construction and combat support companies and the combat heavy battalions. It has an electronic diesel engine, automatic electronic transmission, ABS, and is capable of operating at speeds up to 55 miles per hour on flat terrain.

SYSTEM INTERDEPENDENCIES

Other Major Interdependencies

M872, 34-ton flatbed semi-trailer;
M1062A1, 7,500-gallon semi-trailer;
M967/M969, 5,000-gallon semi-trailer

PROGRAM STATUS

- **FY10:** Full production continues in support of Army operations in the United States and abroad

PROJECTED ACTIVITIES

- **FY11:** Bridge Contract

ACQUISITION PHASE

Technology Development

Engineering and Manufacturing Development

Production and Deployment

Operations and Support



Line Haul Tractor

FOREIGN MILITARY SALES

Afghanistan

CONTRACTORS

Prime:

Daimler Trucks North America LLC/
Freightliner (Portland, OR;
Cleveland, NC)

Engine:

Detroit Diesel (Detroit, MI)

ABS Brakes:

Meritor (Troy, MI)

Dump body:

Casteel Manufacturing (San Antonio, TX)

