



WESTERN STAR 6900 – XD40 OFFROAD TRACTOR Detroit™ DD16® 600HP



Western Star Trucks
Portland, OR USA | Fort Mill, SC USA
www.westernstar.com





THE TRACTOR DESIGNED FOR MINE HAULING.

It takes years to develop the proven design knowledge needed to serve the mining industry and Western Star has been building rugged, hard-working equipment for mines since 1967. And the result of this work is the XD Offroad package. The XD Offroad has been specifically designed to handle the many different mining roads across the globe.

The extreme-duty XD Offroad delivers a dependable and affordable option to the more costly haul trucks with a selection of features to maximize uptime and profitability. It also offers a shorter delivery lead time over those other units, as well as the ability be built concurrently with its trailers to speed up the delivery time. With optional configurations including all-wheel-drive (6x6) and right-hand drive for export applications, the 6900 XD40 is a solution for nearly any worksite requirement.





FEATURES & BENEFITS: TRACTOR

PROVEN DURABILITY MEANS GREATER PRODUCTIVITY.

FEATURES:

REDUCED MAINTENANCE TIME

Steel, butterfly hood
Fender and air cleaner disconnect system
Planetary gear sets
Available central lube and other time saving systems
Easy-to-access drivetrain components

INCREASED UPTIME

Large copper-brass radiator
Shock-mounted radiator
Point-to-point electrical system with in-cab fuse panels
Steel chassis wiring standoffs

IMPROVED PROFITABILITY

Low initial purchase price
Up to 35 percent more fuel efficient than traditional offroad haulers on distances greater than one mile
Shorter lead delivery times than other larger haul units
Durable high pressure 14R 25 tires
Can be configured to haul other support trailer units

ADDED SAFETY

Heavy-duty driveline retarders

UNMATCHED POWER

Detroit™ DD16® engine

BENEFITS:

Quick fluid checks and long life
Quick and easy engine access
Manage massive loads while remaining easy to work on
Reduced maintenance time
Reduced maintenance time

Excellent cooling and in-field reparability
Reduced downtime and repairs
Quicker diagnosis and repair
Quicker circuit tracing and repair

Greater haul capacity for less investment
Reduced fuel costs
Equipment is running in your fleet and making money sooner
Reduces heat build-up over longer distances, resulting in improved tire life and lower replacement cost compared to larger tire units
Round-the-clock operation and reduced overhead

Handle steeper grade applications and provide operators with safe and effective braking capability that saves standard brakes for emergency use only

A durable, fuel-efficient engine with the power to haul up to 120 metric tons

FEATURES & BENEFITS: AXLES

TANDEM LOW-SPEED PLANETARY:

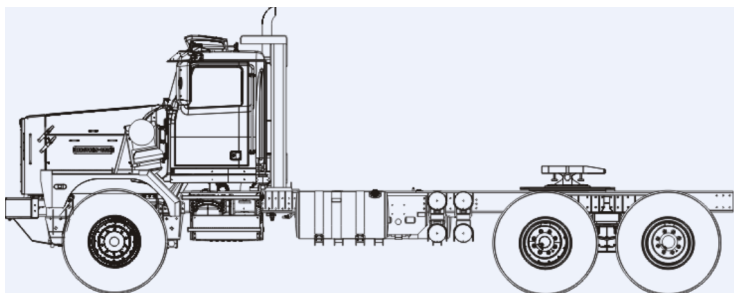
Set up for maximum traction and lower haul speeds less than 45 miles per hour.

Rugged Chalmers or Hendrickson walking beam suspensions are built for harsh environments and help keep maintenance costs low.

AxleTech SPRC1937 planetary gears sets offer heavy hauling capacity and rugged durability, as they tend to have less gear/component wear due to slower operating speeds.

Tractor units tend to get better traction with tandem axles, as more weight is applied to the ground on each tire set.

This set up is recommended for steeper grades, rough road conditions, and tight turn applications.



TRI-AXLE HIGH-SPEED PLANETARY:

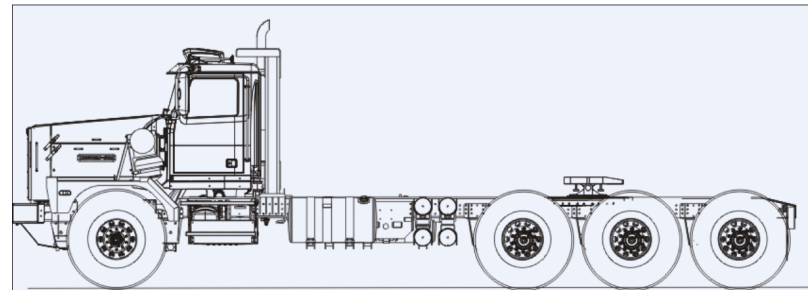
Set-up for higher speed operation on the return haul. Generally suggested for longer haul roads in excess of 20 miles, due to greater cycle times.

Neway AD-390 Air ride suspension offers a smooth stable ride, causing less wear and tear on the road surface.

SISU FR3P-48 high-speed planetary axles provide plenty of speed and create less road damage, as they evenly spread the load out over more tires.

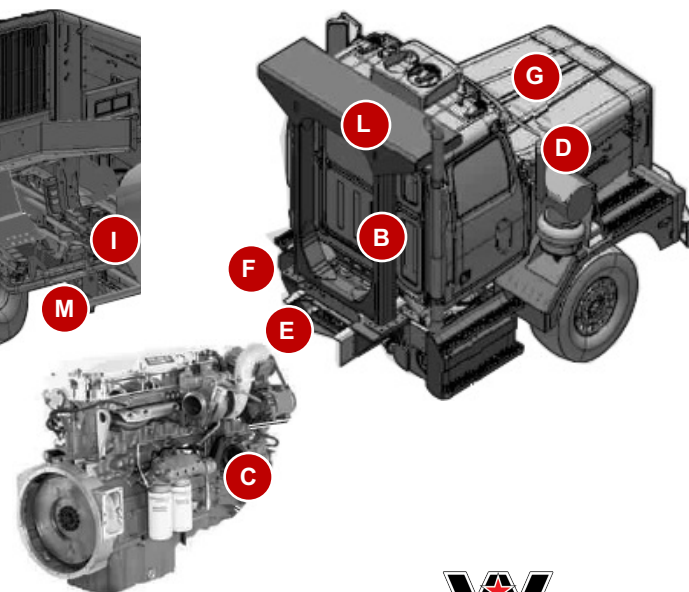
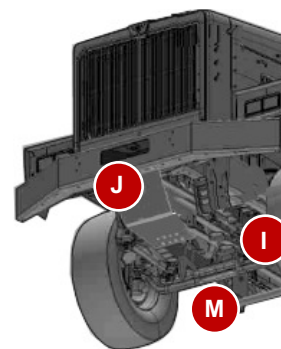
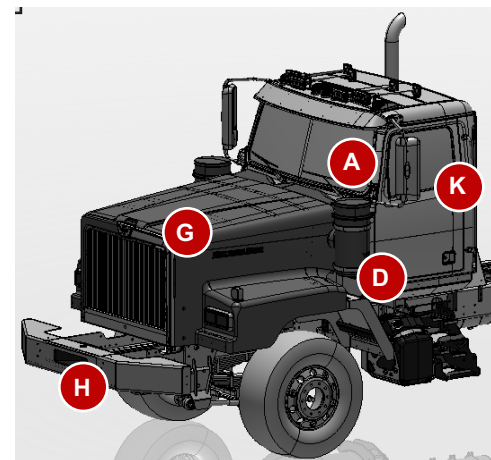
This set-up is recommended for low-grade applications with adequate turning radius on corners to prevent wheel scrub and component stress.

High speed axles are available in a tandem axle configuration with less load capacity.



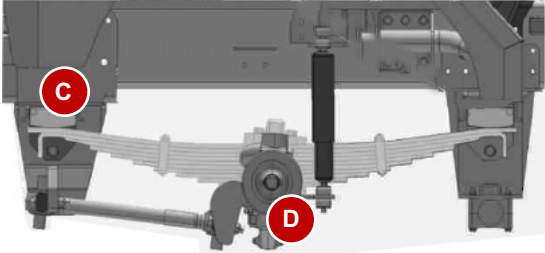
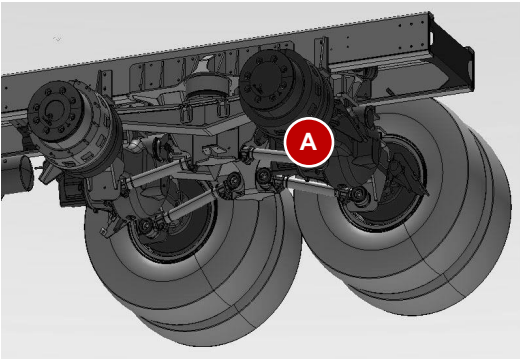
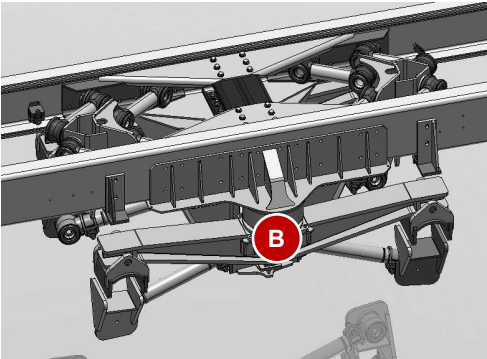
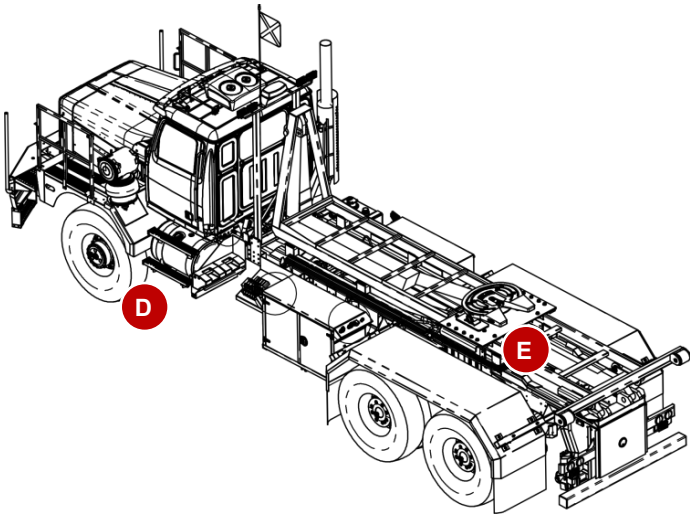
TECH SPECS: TRACTOR

ITEM	KEY	STANDARD	OPTIONAL
A	All-steel cab with Severe Duty reinforcement package for long service life and added driver safety	•	
B	Dual heavy-duty air rear cab mounts and Extreme Duty top mount front cab crossmember provides driver comfort and cab durability	•	
C	Detroit™ Series 60® Tier III engine with no EGR or DEF system requirements available for offroad only applications eliminates exhaust regen and DEF 14.7L requirements	•	
	Detroit™ DD15®/DD16® GHG 17 engine with up to 600HP and 2050 torque ratings, standard with EGR or DEF systems		•
D	Dual 14-inch Donaldson outside air cleaners	•	
	Dual Donaldson STG Donaclone™ two-stage air cleaner for maximum dust filtration and long filter life (available with butterfly hood only)		•
E	Capacity for four (4) frame rails with 6.7MM RBM load capacity		•
F	Long-life steel fuel hydraulic tanks equipped with Extreme Duty heavy steel tank supports	•	
G	Steel fender butterfly hood with shock mounted radiator designed for long life and safe engine access	•	
H	11-inch single heavy-duty steel bumper with integral removable tow pin	•	
	22-inch double Extreme Duty steel bumper with radiator protector and integral removable tow pin		•
I	Double slipper front suspension system provides maximum load capacity with smooth ride and handling in rough road conditions	•	
J	Rugged front skid pan for engine and transmission cooler protection	•	
K	Click to start seat belt ensure drivers are safe before moving		•
L	Certified ROPS and FOPS systems available		•
M	Chassis component skid guards to protect drive line components		•



TECH SPECS: TRACTOR

ITEM	KEY	STANDARD	OPTIONAL
A	AxleTech SPRC1937 110,000 lb planetary rear axle	•	
B	Chalmers 865 110,000 lb rear suspension	•	
	Hendrickson R1000 110,000 lb rear suspension		•
C	28,000 lb double slippered front suspension provides maximum load capacity with smooth ride and handling in rough road conditions	•	
D	AxleTech 28,000 lb planetary single front drive axle		•
	SISU 28,000 lb single front steer axle	•	
E	3/8" x 3/8" x 1/4" triple-channel frame rails for maximum load capacity	•	





WESTERN STAR

Western Star Trucks
Customer Assistance Center

Ph: 866-850-STAR
(866-851-7827)