



**WESTERN STAR 6900 – XD40 OFFROAD 6X6**  
**CARCO MBT-40**  
**Multi-Body Transformer**

**MBT-40**  
MULTI BODY TRANSFORMER



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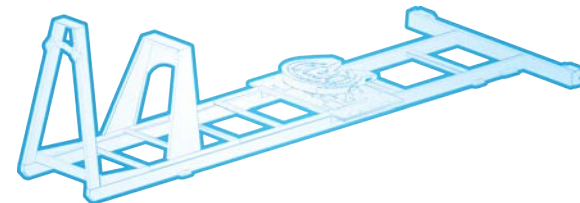
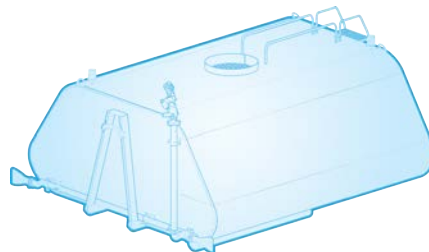
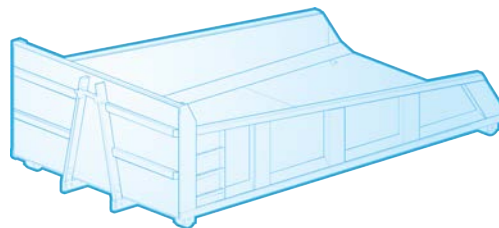
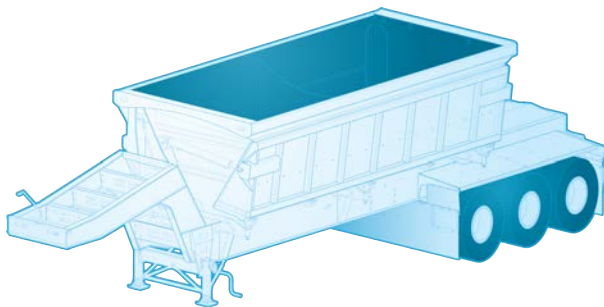
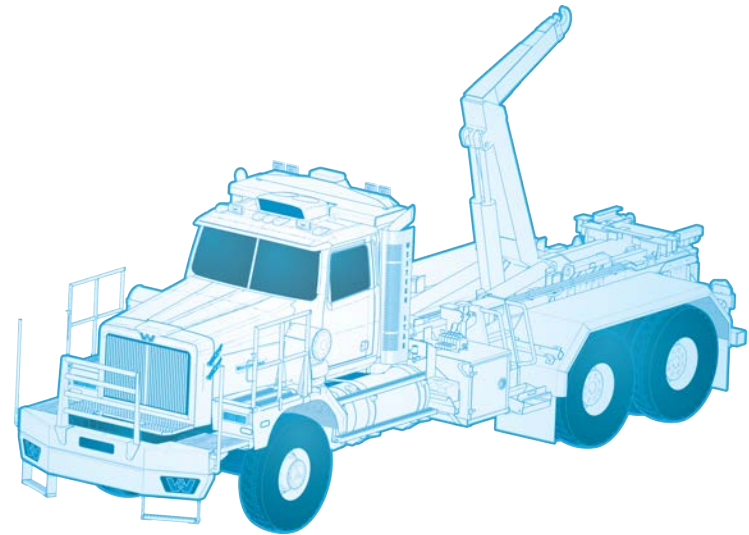




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## **THE VERSATILITY AND CAPACITY YOU NEED. ALL IN ONE INCREDIBLE PACKAGE.**

Today, companies are facing numerous challenges including restricted budgets, increased chassis pricing and the need to reduce sit time for low use equipment, just to name a few. To help solve these problems Western Star has teamed up with CARCO Industries and Palfinger to develop the MBT-40. The MBT-40 is the only rigid-framed vehicle available that allows you to purchase a single chassis that can change bodies, reducing the sit time for low use equipment and eliminating the need to purchase an individual truck for each task. The MBT-40 is a serious solution that will transform your worksite.





# WESTERN STAR 6900 – XD40 OFFROAD 6X6 CARCO MBT-40 Multi-Body Transformer

## FEATURES & BENEFITS: CHASSIS

### PROVEN DURABILITY MEANS GREATER PRODUCTIVITY.

Western Star has been building rugged, hard-working equipment since 1967. And the result of this work is the XD Offroad package. The extreme-duty XD Offroad delivers a dependable and affordable option to the more costly rigid and articulated 40-ton haul trucks with a selection of features to maximize uptime and profitability.



#### FEATURES:

##### REDUCED MAINTENANCE TIME

Steel, butterfly hood  
Fender and air cleaner disconnect system  
Planetary gear sets  
Available central lube and other time saving systems

##### INCREASED UPTIME

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

##### UNMATCHED POWER

Detroit™ engine options

#### BENEFITS:

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

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

Multiple models and power ratings to tailor the engine to the job while maximizing fuel efficiency



# WESTERN STAR 6900 – XD40 OFFROAD 6X6 CARCO MBT-40 Multi-Body Transformer

## FEATURES & BENEFITS: BODY

### REDUCE OVERHEAD AND BOOST PRODUCTIVITY AT THE SAME TIME.

CARCO has developed an integrated system that works quickly and flawlessly, not only eliminating the upfront costs resulting from the need to invest in multiple vehicles, but in also maximizing productivity and uptime.



FEATURES:	BENEFITS:
<b>GREATER CAPACITY</b>	
Powerful lifting ability	Allows you to pull on loads up to 68,000 lbs with a carrying capacity of 40 tons
<b>REDUCED OVERHEAD</b>	
Multi-body capability	Eliminates the need to buy an expensive dedicated chassis for each application
Optional fifth wheel attachment	Converts your truck into a heavy haul tractor
Multiple hydraulic connections and variable speed PTO outputs	Ability to adapt and power a variety of body needs from hydraulic motors and pumps to heavy tip cylinders
<b>INCREASED PRODUCTIVITY</b>	
Universal body connections	Short body changeover times that allow you to run multiple configurations from inside the cab on a single shift
Bodies can be fully connected to the chassis with fully functional in cab controls in less an hour for most applications	Greater productivity and profitability
Generic in-cab control systems and control panel templates	Operators quickly learn and operate the controls for multiple body applications

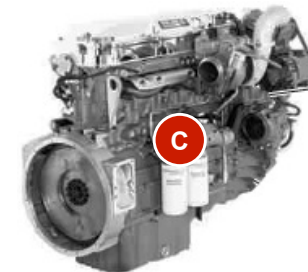
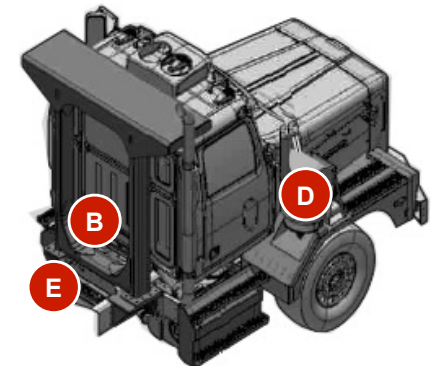
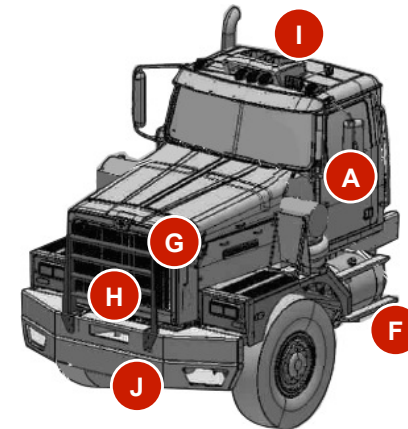




# WESTERN STAR 6900 – XD40 OFFROAD 6X6 CARCO MBT-40 Multi-Body Transformer

## TECH SPECS:CHASSIS

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 (manual) or 1850 (automatic) torque ratings, standard with EGR or DEF systems	.	
D	Dual Donaldson STG Donaclone™ two-stage air cleaner for maximum dust filtration and long filter life (available with butterfly hood only)	.	
E	Available quadruple-channel frame rails with 6.7M 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	Durable, extra-capacity Glacier Core copper brass radiator for durability and easy on-site field repairs	.	
I	Roof-mounted AC condenser for maximum cooling and comfort in dusty conditions	.	
J	22-inch double Extreme Duty steel bumper with radiator protector and integral removable tow pin	.	

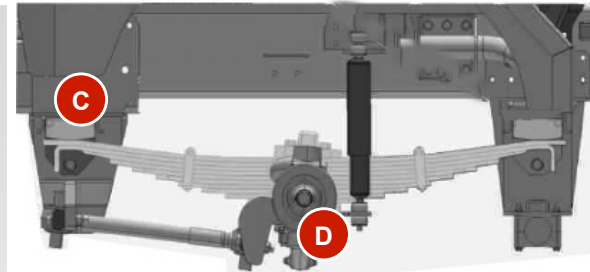
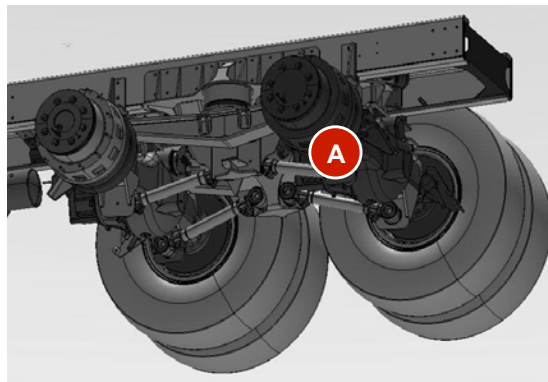
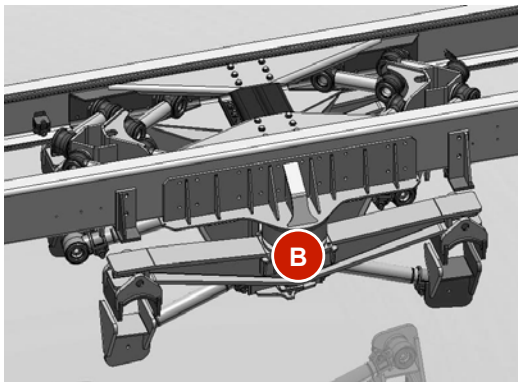
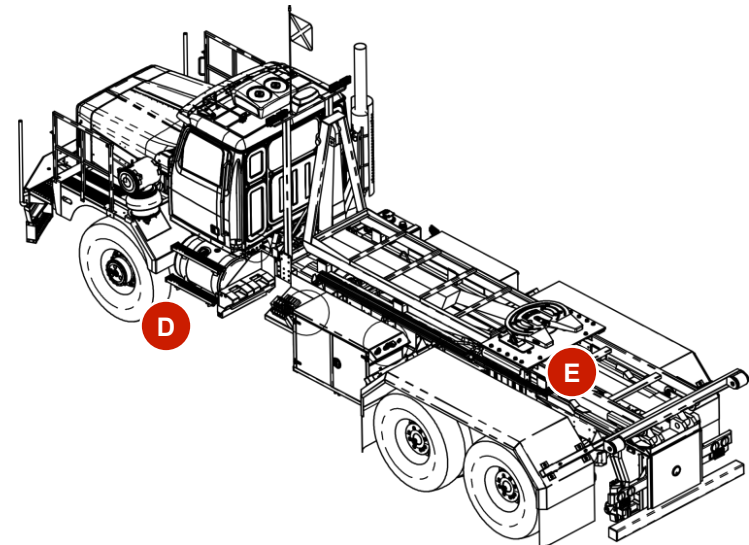




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## TECH SPECS: CHASSIS

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	•	





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Customer Assistance Center

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