



# B-615ST B-615LST

SIX WHEEL  
MACK  
V-8 DIESEL  
TRACTORS

Completely engineered and built by Mack, these heavy duty six-wheel diesel tractors are leaders in over-the-road operations. Both the B-615ST and the weight-reduced B-615LST assure increased earnings for long highway hauling through the use of highly reliable Mack-built chassis components.

The need for a high horsepower engine with minimum weight is reliably met by Mack's V-8 diesel, the END 864. Excellent fuel economy, dependability and low maintenance costs are profit-making features of this naturally aspirated engine, which produces 255 horsepower. Also available as an option is the custom economy rating of 237 horsepower.

A wide choice of optional axles and transmissions means the matching of the vehicle to the job can be more easily accomplished. This in turn leads to better adaptability, lower cost per mile and less down time.

The comfortable cab has been designed to give years of service. Particular attention has been given to the controls, steering and road visibility features in an effort to assure greater safety and reduce driver fatigue.



Comfortable and constructed for endurance, cab model CA 215 is designed to assure driver safety and convenience by an excellent arrangement of instruments and controls, a roomy interior, weather and fume protection, ample road visibility and a comfortable driver's seat that is fully adjustable.

**MACK TRUCKS, INC.**

**AUTOLIT**



Automobile - Truck - Motorcycle 1900 to Present  
ORIGINAL Sales Brochures, Manuals, Books, Posters,  
Catalogs, and MUCH More. World's largest selection!

# MODELS B-615ST & B-615LST

## STANDARD EQUIPMENT

**WHEELBASE** — 146½", Platform — 120"

### ENGINE, (Diesel):

Model	END 864
Make	Mack, Thermodyno
Type	V-8, Naturally aspirated
Number of cylinders	Eight
Bore and stroke	5" x 5½"
Piston displacement, cu. in.	864
Brake horsepower @ 2300 r.p.m. (gov.)	255
Max. torque @ r.p.m.	1700
Pound-feet	639
Lube oil filter	Combination full-flow/by-pass
Lube oil cooler	Tube & Shell

### CLUTCH (Mack):

Model	CL 50, with clutch brake
Type	Two plate, dry
Outside dia., facing	14"
Area of engagement, sq. in.	416

### FUEL SYSTEM:

Fuel injection pump, make	American Bosch, PSJ
Type	Single plunger
Air cleaner	Donaldson, oil bath
Tank capacity and location	22 gal., left apron

### COOLING SYSTEM:

Radiator frontal area	1000 sq. in.
Thermostat, to open	170°
Water capacity of system	55 quarts (approx.)
Water conditioner	Perry

### ELECTRIC SYSTEM:

Voltage and capacity	12 V., 55 Amp. (24 V. starting)
Generator, make	Delco-Remy
Starting motor, make	Delco-Remy
Battery, make	Exide, Auto-Lite, Gould Nat.
Plates per cell	28
Amp. hr. @ 20 hr. rate	160
Number required	Four (6V)
Location	Two, each side rail

### TRANSMISSION (Mack):

	B-615ST	B-615LST
Model	TRD 722	TRDL 722
Type	Ten-speed, direct, Duplex	
Overgear transmission required when GVW exceeds 73,000 lbs.		

### DRIVESHAFT:

Tube	3½", D.156" wall
Joints	Yoke type
Make & Size	Spicer, 1650

### FRONT AXLE (Mack):

Model	FA 505
Type	Reversed-Elliott, I-beam

### BOGIE (Mack):

Model	SWDL 56
Bogie wheelbase	50"
Drive	Four-wheel, straight through
Inter-axle differential	Mack Power Divider
Housing, construction	Pressed steel, fused, with permanently installed heat-treated wheel spindles
Carriers	CRDP 92 & CRD 93
Ratios	4.17, 4.50, 4.75, 5.13, 5.73, 6.24, 7.00, 7.49

Faster ratios are for optional ENDD 864 engine.

### BRAKES, AIR:

Size—Dia., width, lining thickness, lining area, sq. in.	
Front	16¼" x 3" x ½" (204)
Rear	16¼" x 6" x ¾" (828)
Hand	12" x 5" x ¾" (138)
Compressor	Tu-Flo 500 (12 cu. ft.)
Reservoir capacity	2860 cu. in. (total)

### FRAME:

Material	Chrome-manganese steel, heat-treated
Side-members, size	9" x 3¼" x ¼"
Section modulus	9.76
No. of cross-members & type	Three—two channel, one cast integral with trunnion brackets

### SPRINGS:

Front, type	Semi-elliptic
Size, length (between load centers)	46"
width	3"
Rear, type	0.360" (9 leaves)
Leaf thickness	Semi-elliptic (inverted)
Size, length (between load centers)	50"
width	4"
Leaf thickness	0.825" (9 leaves)
Shot-peening	Tension side of main, second and third leaves
Suspension, Front	Rubber Shock Insulators, front end, fixed pin, rear end
Rear	Rubber insulator, underside; Bearing plate, top side.

### SHOCK ABSORBERS — FRONT:

Type	Houdaille, rotary-hydraulic
------	-----------------------------

### TIRES:

Size	10.00-20 (12P)
Rims	7.5

### WHEELS:

Type	Cast, spoke
------	-------------

### STEERING GEAR:

Model	SG 26
Type	Worm and roller
Ratio	28.4
Steering wheel, diameter	22"

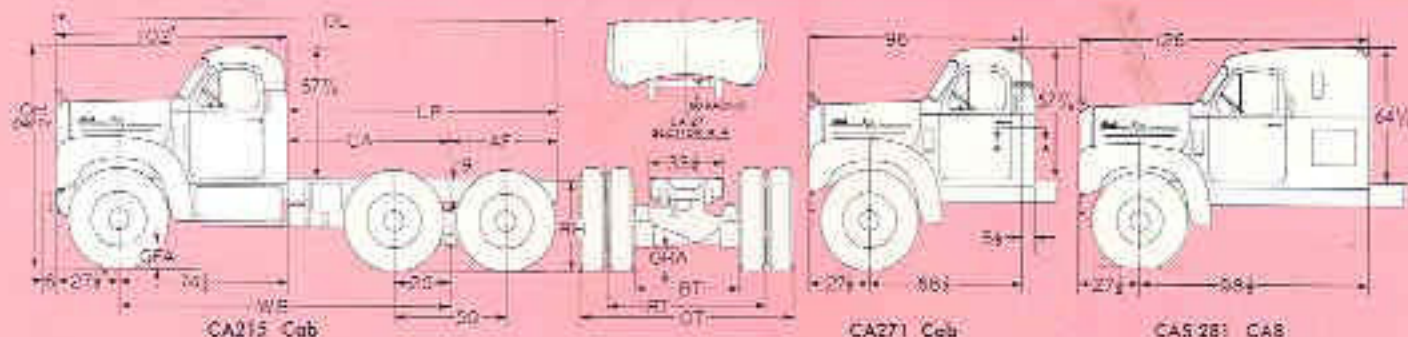
# AUTOLIT



Automobile — Truck — Motorcycle 1900 to Present  
ORIGINAL Sales Brochures, Manuals, Books, Posters,  
Catalogs, and MUCH More. World's largest selection!

# MODELS B-615ST & B-615LST

## CHASSIS DIAGRAM



WB	CA215 Cab		CA271 Cab		CA5281 Cab		AF	OL	Turning Circle Dia. Outer edge of tire Approx.	
	LP	CA	LP	CA	LP	CA			Left	Right
145 1/2	120	72	126	78	—	—	48	222	64 ft.	57 ft.
164 1/2	138	90	144	96	114	66	48	240	71 ft.	63 ft.
178 1/2	144	96	150	102	120	72	46	246	72 ft.	65 ft.
182 1/2	168	108	—	—	—	—	60	270	78 ft.	68 ft.
194 1/2	194	120	—	—	—	—	74	296	80 ft.	72 ft.
222 1/2	240	148	—	—	—	—	92	342	89 ft.	79 ft.

TIRE SIZE	OH	GFA	Front Tread	RH		GRA	OT	RT	BT
	Approx.			Empty	Loaded				
10.00-20	97 1/2	10	74	40 1/2	37 1/2	9	95 1/2	71 1/2	47 1/2
10.00-22	98 1/2	11	74	41 1/2	38 1/2	10	95 1/2	71 1/2	47 1/2

Frame heights are subject to variations: 1" empty; 1/2" loaded.

Chassis dimensions are in inches and are for standard chassis unless otherwise denoted.

\*Add 6" for extended bumper mounting when furnished.

## MACK TRUCKS, INC.

Montvale, N. J.

MACK TRUCKS WORLDWIDE LIMITED • Hamilton, Bermuda

MACK TRUCKS MANUFACTURING COMPANY OF CANADA LIMITED • Toronto, Ontario, Canada

There being no annual series models of MACK products, refinements and improvements are effected whenever sound development and thorough trial prove them to be advantageous. The right is therefore reserved to change specifications or prices without notice. Illustrations are not necessarily a representation of standard specifications.

