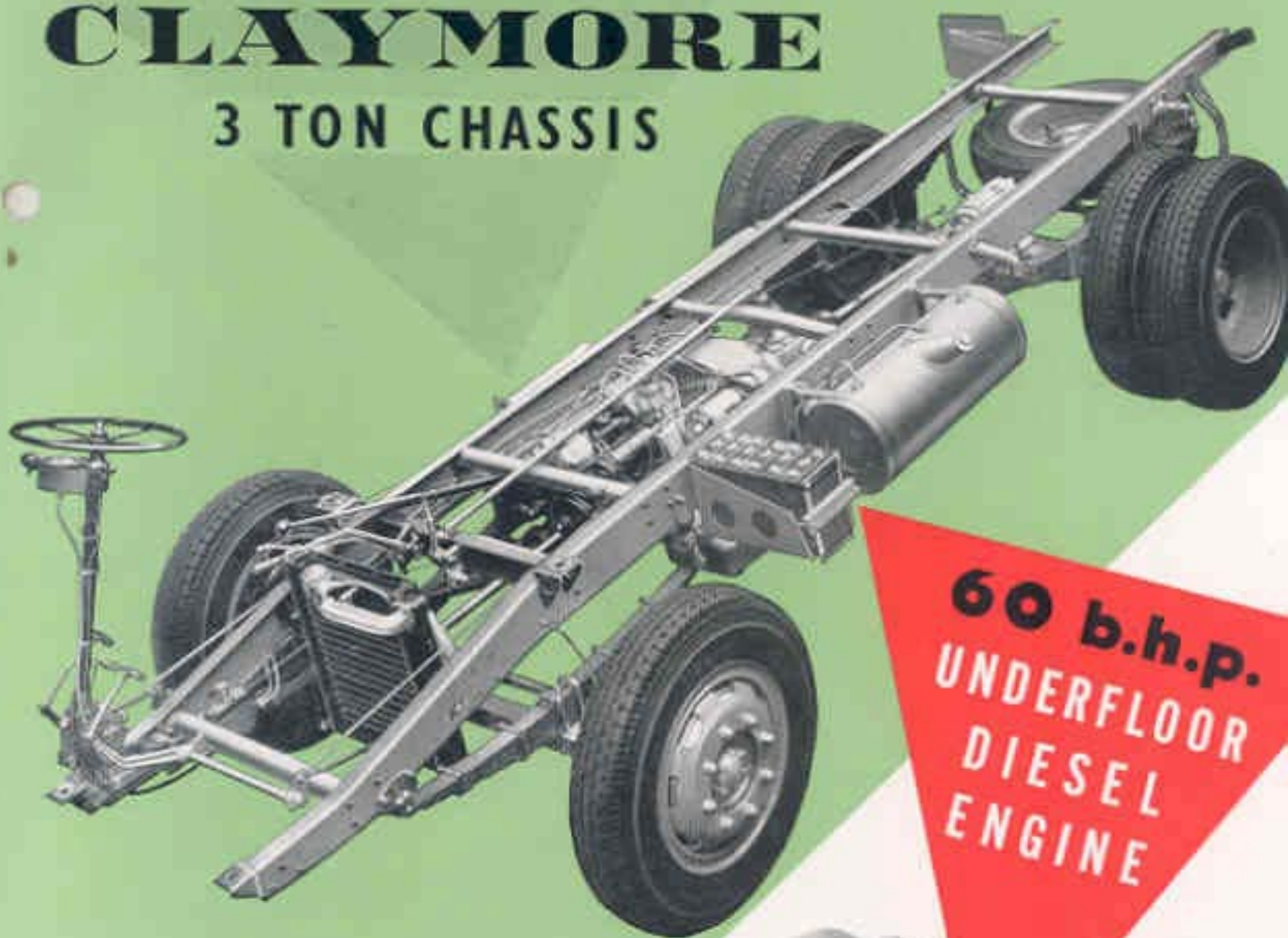


ALBION

CLAYMORE

3 TON CHASSIS



60 b.h.p.
UNDERFLOOR
DIESEL
ENGINE

MODEL MR.7
OVERSEAS TYPE



AUTOLIT



Automobile - Truck - Motorcycle 1900 to Present
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ALBION

CLAYMORE

with Underfloor Oil Engine

MODEL MR.7 – OVERSEAS TYPE

THE "Claymore" 3-ton chassis with horizontal diesel engine mounted amidships has been developed to meet the demand for a quality lightweight vehicle with a low floor level to driver's cab, and providing easy and unobstructed entrance from both nearside and offside of the vehicle – a considerable advantage in local delivery service.

The Albion 60 B.H.P. diesel engine has already proved its worth, and now in horizontal form introduces greater economies in fuel, lubricating oil, and maintenance costs.

Noteworthy among the many other features are –

- * 4-speed synchro-mesh gearbox with remarkably easy control.
- * Sturdy overhead worm-driven rear axle.
- * Generous frame section with cross members bolted in position.
- * Cam and double roller steering.
- * Wide and long road springs giving excellent riding qualities.
- * Powerful vacuum assisted hydraulically operated brakes.

DETAILS OF MODEL, WEIGHTS, ETC.

Model	Duty	Wheelbase	Tyre Equipment	Chassis Weight (approx.)	Payload (approx.)	Gross Vehicle Weight
MR.7EN	Haulage	10' 0"	7.50/20 (6-ply)	cwt. 41 (4648 lbs.)	cwt. 48 (5720 lbs.)	cwt. 126 (14,312 lbs.)

Note:—The chassis weight shown includes all standard fittings, spare wheel carrier and lubricating oil, but excludes spare wheel, tyre and tube, fuel and water.

The Gross Vehicle Weight specified is the *maximum permissible running weight of the laden vehicle.*

All weights in this leaflet are in tons of 2240 lb. and cwt. of 112 lb.

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SPECIFICATION

Engine.—Alison horizontal 4-cyl. direct injection diesel, type FN.219.

Bore and Stroke	3.98" x 4.75" (100.6 mm. x 120.7 mm.)
Cubic Capacity	234 cu. in. (3.83 litres)
B.H.P.	60 at 2200 r.p.m.
Maximum Torque	160 lb.-ft. at 1100 r.p.m.
Oil Sump Capacity	18 pints.

Among the many features to be noted are—

- ★ Crankcase and cylinder block cast in one, giving maximum rigidity.
- ★ Six-in. renewable liners in wear resisting iron.
- ★ Nitrided crankshaft 3.1" diameter, carried in 5 copper-lead steel backed bearings.
- ★ Inlet and exhaust valve seats with renewable inserts.
- ★ Built-in centrifugal oil cleaner of novel design and remarkable efficiency.
- ★ C.A.V. fuel injection pump with pneumatic governor.
- ★ Automatic advance for fuel injection.
- ★ Oil bath air cleaner.

Clutch. Single dry plate, 11" diameter; 139 sq. in. frictional area; simple and positive adjustment for wear.

Gearbox. Unit construction with engine; 4-forward speeds and reverse. The ratios are—

4th (top)	1 to 1	3rd	1.737 to 1
2nd	3.088 to 1	1st	6.286 to 1
		Rev.	6.767 to 1

- ★ Wide-faced straight-toothed gears.
- ★ All forward gears in constant mesh, with synchro-mesh in 3rd and 4th.
- ★ Engagement by sliding dogs.
- ★ Rapid and easy gear change.

Engine-Gearbox Mounting.—5-point, cushion mounted in frame.

Cooling System.—Radiator of flat tube stack type flexibly mounted forward of front axle; gear driven impeller type pump with self-adjusting carbon gland; positive driven fan; thermostatic control.

Transmission.—Open propeller shaft with Series 1410 Hardy Spicer needle roller bearing universal joints.

Front Axle.—Single forging in alloy steel 1" section; pivot pins mounted in plain bearings; shrouded bronze and steel thrust bearings.

Rear Axle.—Single forging; overhead worm drive with 6 1/2" centres; full floating; 4-pin differential; oil capacity of differential 3 pints.

- ★ Axle shafts 1.6" diameter in 100-ton nickel chrome steel.

Springs.—Normal semi-elliptic of silicon manganese steel; 2 1/2" wide; front 21" long, rear 34" long.

Brakes.—

Foot. Vacuum assisted hydraulically operated "two leading shoe" type on all wheels.

Hand. Pull-on handbrake directly connected to same rear wheel shoes as footbrake.

Drums. Heavy section cast iron, front 16" diameter, shoe width 2 1/2"; rear 15 1/2" diameter, shoe width 3 1/2". Total braking area—front axle 156 sq. in.; rear axle 210 sq. in.

Steering. Marley cam and double roller; steering ratio 24.7 to 1; 19 1/2" diameter steering wheel; 5 turns from lock to lock. Oil capacity 4 1/2 gills.

Turning Circle.—10' 0" wheelbase—39' 0"

Frame.—Pressed steel channel section.

- ★ Braced with tubular and pressed steel cross-members, bolted in position.

Fuel Tank.—Cylindrical tank outriggered from main frame member; capacity 25 gallons.

Wheels.—Detachable steel disc; 8 stud fixing.

Hubs.—Oil taper roller bearings.

