

64H9

TYPE Standard Works No: 264 FR 390A (30H) (SF 172 19-3-19) MP 203091
 INDIA
 Body Open Weight 7 1/2 cwt. Passengers etc. 14/14 Lug. 2 cwt
 Springs—Front { O.S. 562. Rear { O.S. 810
 { N.S. 556. { N.S. 800.
 Steering Raked. Fittings Nickel
 On Test 20 3 23 Delivered 23 5 33 To Lillie Hall.
 Customer Harods Complete Car delivered 11/1/23

16 2 23	E52248	Lenses "Central" position	
"	"	Side lamp wiring to front wings	
"	56049	1 Extra spare Dunlop wheel.	of 17892
"	"	A. S. Speedometer	of 17893
"	"	Luggage Grids	of 17894
"	"	Spare wheel carrier on w/s.	of 17895
"	"	R. K. Mascot	of 17896
"	"	6. 32x4 1/2 Dunlops. 1/8 Tyres	of 17897

RR 468A (30H) (SF 173 19-11-18) MP 198204

CHASSIS NO. 64H9

~~Harods for India~~ ~~26 22/11 5 5 23~~

Messrs Vivian, Hardie & Lane Ltd
for Maharaja of Adiapion

Sgt Mac 8/KW 26723

Forwarded May 20th 1923, Adv. 261 Ref. Ink Ciroas. Engine no 6049
Ammeter no 171851 Spares & Tools with chassis
Finally tested at Barker Co. 21/5/23.

Reached by Barker Co.
27.6.23 1.12 volt 6XR3 type Radio Battery sent
direct to Barker Co. Clapham from
Chancery London

Exported from London per SS Morvada on the 14-9-23
to Bombay via L.E.P. super. 19/11/23

~~250~~ **64H9**

RR 316 (30H) (SH 533 21 220) MP 2277

Type 250 on test Customer Harrod India

Date Chassis received on test 20.3.1923 Date due _____

Date	PARTICULARS OF ORDER	O/No.	O.K.
17.2.23	Baked steering. Open Body. 7 1/2 Cuts Cassy.		HB.
"	Over 4. Luggage 2 Cuts. Nickel finish.		AB.
"	Springs 550 550 800 800		AB.
"	Pneumatic Sided wheels 2 spares.	4892	AB.
"	Side lamp wiring to front wings.		AB.
"	Supply fit. A.T. speedometer	4893	AB.
"	" " " R.P. luggage grid	4894	AB.
"	" " " Spare wheel connect on nearside	4895	AB.
"	" " " R.P. mascot TCap	4896	P.T.O.

Items Checked with C.H. Cards by Wt Date 17/5/23 Date Despatched May 23rd 1923

Remarks Chassis despatched with Unrotatable Date of Report to S. May 31st 1923 Recorded by BH

INSPECTED AT COACHBUILDERS. 4/7/24

G349 Unrotatable 141851

Date	EXIDE Battery	PARTICULARS OF ORDER	O/No.	O.K.
17.2.23	Fit. 6-32x4 1/2	Straight sided Cord Tyres.	4897	AB.
17.5.23	Change number plate	to 64 H 9 B		AB.
4-7-23	Cab finally tested	at Parkers.		
	Exide type of battery supplied.			
	Car received by road per Sales Driver S/R 222267.			
5.7.23.	Car delivered to Sales Dept per our driver Harry by road S/F 224 424. 23. 7. 23.			
2-7-23	Wagon sent by N	to Parkers to fit new rear axle		06419

SPRING TEST CARD.

See Instructions Re Spring Tests

Body—Type Open Weight 840 lbs.
 Passengers—No 2 Total Weight 308 lbs.
 Standard Spares ✓ Weight 154 lbs.
 Extras on Chassis Luggage Weight 56 lbs.
 " " " Step N.S. Weight ✓ lbs.
 " " " O.S. Weight ✓ lbs.
 " " " Front Spring N.S. Weight ✓ lbs.
 " " " O.S. Weight ✓ lbs.
 " " " Rear N.S. Weight ✓ lbs.
 " " " O.S. Weight ✓ lbs.
 Load on Chassis 1358 lbs.
 Standard Chassis (No load with Oil, Petrol, Water Tyres.) Weight 2305 lbs.
 Complete Car Total Weight 3653 lbs.
 Distance of Load from Rear Axle 32.25 ins.
 Max. Load Period 40 per min.

Spring	Camber	Buffer to Axle	Friction	Frame to Ground	Frame to Axle	Weight
Front "Near"	<u>35°</u>	<u>1.845</u>	<u>✓</u>	<u>20.5625</u>	<u>10.845</u>	<u>✓</u>
Front "Off"	<u>3</u>	<u>1.8125</u>	<u>✓</u>	<u>20.5</u>	<u>10.8125</u>	<u>✓</u>
Rear "Near"	<u>18.45</u>	<u>3.5625</u>	<u>✓</u>	<u>22.125</u>	<u>8.9345</u>	<u>✓</u>
Rear "Off"	<u>12.5</u>	<u>3.625</u>	<u>✓</u>	<u>22.1845</u>	<u>9</u>	<u>✓</u>

Clearance Table	Normal Axle Height	Under Flywheel Guard	Under Silencer Snout	Minimum Axle Height	Under Flywheel Guard	Under Silencer Snout
Front	<u>13.5</u>	<u>4.5</u>	<u>-</u>	<u>-</u>	<u>✓</u>	<u>✓</u>
Rear	<u>13.5</u>	<u>-</u>	<u>-</u>	<u>-</u>	<u>✓</u>	<u>✓</u>

Spring O.K. J. Pitt Date 21/3/23
 Ground Clearance O.K. Yes (Frame 3/16" wide off Ar)

RR 30G (SH) SK415 19-12-22) MP 264593

CARRIAGE SPRINGS.

64H9
 CHASSIS No. 262

	Drawing No.	No. of plates	Thickness over all	Initial unloaded Camber after test "Z" dimension	Normal load Camber	Load for normal load Camber	Length "L" at normal load Camber
Front "near"	<u>30883</u>	<u>12</u>	<u>2</u>	<u>2 3/32</u>	<u>2/39</u>	<u>556</u>	<u>36</u>
Front "off"	<u>30883</u>	<u>12</u>	<u>2</u>	<u>2 1/16</u>	<u>"</u>	<u>562</u>	<u>36</u>
Rear "near"	<u>30888</u>	<u>9</u>	<u>2 3/16</u>	<u>5 1/8</u>	<u>Flat</u>	<u>800</u>	<u>56</u>
Rear "off"	<u>30888</u>	<u>9</u>	<u>2 3/16</u>	<u>5 3/16</u>	<u>"</u>	<u>810</u>	<u>56</u>

Springs fitted to drawing Nos. Front 30114/30881 Rear 30886
 Date fixed on chassis 14/3/23 By Spicer A Robert
 Thickness rubber buffer, rear 1 1/2 front 1 1/4
 Makers of springs Woodheads
 Inspected by S. J. Pitt Date 14/3/23

RR 29G [2]H [SK. 100 28-8-20]		MP 250480						
CHASSIS <u>262</u>		MATERIAL TEST RESULTS.					SERIES <u>YII</u>	
TITLE	Test No.	Brinell	Izod	Stan-ton	Max	Yield	Re'd A%	Elong %
<u>64H9</u> Crankshaft	<u>X.Y.</u> <u>440X</u>	<u>302</u>		<u>8782</u>	<u>654</u>	<u>58.7</u>	<u>566</u>	<u>21.0</u>
Con. Rod	1							
	2							
	3							
	4							
	5							
	6							
Camshaft	<u>6.9.11</u> <u>Y.G.</u> <u>450</u>	<u>197</u>		<u>2766</u>	<u>446</u>		<u>59.3</u>	<u>22.5</u>
Front Axle	<u>Y.G.</u> <u>450</u>			<u>3363</u>				
Front Pivot (Off)	<u>W.G.14</u> <u>277</u>	<u>546</u>		<u>3363</u>	<u>55.1</u>	<u>47.5</u>	<u>60.3</u>	<u>25.0</u>
Front Pivot (near)	<u>W.G.12</u> <u>255</u>	<u>460</u>		<u>3224</u>	<u>53.0</u>	<u>44.5</u>	<u>58.3</u>	<u>23.4</u>

RR 16G [2]H [SK. 480 15-1-23] MP 265885

64H9 CYLINDERS

Chassis.....~~262~~..... Series.....YII.....

Cylinders L.O.P. E.5.0.3.0.7 + 851621

Cylinders Part No. E.5.1.4.0.2.. E.5.0.9.1.3

Valves Part No. E.5.0.1.5.7 L.O.P. 8.5.1.9.5.1

Make of Cylinders R.R.

Compression Space of Cylinders, cubic inches.....

Sizes of Bores [see over]

With H.C. or P.C. Pistons

Inspected by... W. Wilson Date 11-4-23.....

REMARKS:—

349

[P.T.O.]

RR 26G [2]H [SK. 538 6-2-23] MP 267153

64H9 CRANKCASE, CAMSHAFT, ETC.

Chassis.....262..... Series.....YII..... Engine No.....Y.349.....

Crankcase L.O.P. E.5.0.2.1.9 852244

Crankcase T.H. E.5.1.8.3... Crankcase L.H. E.5.1.8.4.4...

Crankcase Letter F.1..... Shaft & Rods F.1.....

Camshaft L.O.P. E.5.0.5.5.4.....

Camshaft P. No. E.5.1.3.4.2 TPN°326/1A

Camwheel P. No. E.5.1.3.4.5 E.5.1.4.3.5

Wheelcase L.O.P. E.5.1.4.8.5.....

Wheelcase P. No. E.5.1.4.8.9.....

Oil Filler L.O.P. E.5.1.4.4.8.....

Oil Filter LOP E.5.1.5.6.3.

[P.T.O.]

RR 18G [5H] [SK. 606 23-2-23] MP 268269

64H9 FRONT AXLE AND BRAKES

Chassis.....~~262~~..... Series.....YII.....

Front Axle L.O.P. 851700

General Arrangement 851700

Front Hubs. Drawing No. 851304/5

Cross Steering Tube. Drawing No. 850940

Steering Levers. Drawing No. 851319/20

Top Steering Lever for connecting Tube to Steering column. Drawing No. 851323

Inspected by.....W. Wilson..... Date.....19.3.23.....

REMARKS:—

Friction device to pivots car fitted 18.4.23. while in T.D.

[P.T.O.]

RR 27G [10H] [SL 31 7-7-23] MP 274955

64H9 CONDENSER.

Chassis.....64H9..... Series.....

L.O.P. D50585

Capacity Gen argt. D50585

Inspected by..... Date.....

REMARKS:—

Fitted while car in T.D. 5.4.23.

FITTED ON DISTRIBUTOR 255.

RR 28G [2]H [SK. 480 15-1-23] MP 265885

64H9 BALLAST RESISTANCE

Chassis.....~~262~~..... Series.....YII.....

L.O.P. D50199

General Arrangement D50199 D50647

Inspected by.....W. Wilson..... Date.....27.2.23.....

REMARKS:—

6449. DASHBOARDS.

Chassis 262 Series 9 II
Dashboard L.O.P. 751703 General Arrangement 750944
Dash Brackets Drawing No. 751027/8
Type D Extra Cylinder Lubrication L.O.P. _____
General Arrangement _____ Finish Nickel
Instrument Board L.O.P. 751155 50752
General Arrangement 750752
Priming Device L.O.P. _____ 50810
General Arrangement _____ 50810

Inspected by J. Wilding Date _____
REMARKS:—
Klaxon horn L.O.P. 750944 P.T.O.
A.T. Speedometer - 640/11503.

6449. CHASSIS.

Chassis 262 Series 9 II
Type 20 H.P. Finish Nickel
Side Lever Mechanism Central Steering Position D
Side Steering Tube Drg. 751569 751565
Length of Side Steering Tube 22 1/16"
Measured Wheel Base 10' 9" Amount of Sag Allowed _____
Size of Wheels, Front 32 x 4 1/2 Rear 32 x 4 1/2
Plain or Wire Wheels Fixed 8.8 Wire Radiator Drg. 651469
Radiator Type Harrold Matrix 19 x 4
Inspected by J. Turner Tested by _____ Date 4/5/23

REMARKS:— Track 54"
Radiator shutters L.O.P. 652206
13/9/27 low type side str. tube part supplied.

6449. CRANKSHAFT CONNECTING RODS.

Chassis 262 Series 9 II Engine No. 9349
Crankshaft L.O.P. E 50218
Crankshaft P. No. E 51040
Flywheel and Clutch L.O.P. E 50210
Connecting Rod L.O.P. E 51111
Connecting Rod P. No. E 50801 E 51392

[P.T.O.]

6449. GEAR BOX.

Chassis 262 Series 51-1000
Complete Box. L.O.P. 650176
General Arrangement 650176 Sheets 142
Type Ball Bearings Hoffmann
Wheels cut—machine or cutter Ground Gears
How treated for hardening or tempering _____
Type steel used Nickel
Have been tested and passed for quietness and oil retaining on test rig OK

[P.T.O.]

Axle No. 453

REAR AXLE.

Chassis 6449 Series 9 II
Rear Axle Complete L.O.P. E 50751 E 50695 E 50791
General Arrangement E 50751 E 50695 E 50791 Rear Hubs E 602574
Prop Shaft L.O.P. E 50309 General Arrangement E 50309
Rear Brakes L.O.P. E 50698 General Arrangement E 50698
Bolts Hulo L.O.P. E 50495 Gear Cut by RT
Type steel used for wheel CHNS Drg. No. E 50381
Type steel used for pinion CHNS Drg. No. E 50727
Have gears been set and adjusted, and passed on test rig for quietness and oil retaining _____

Gear Ratio 12 : 50 Gear No. SA36
Series Letter _____
Inspected by J.P. Date 19-6-23
2-4-23. Man sent by N" to Barkers to fit new P.T.O.
this axle of 06410.

6449. SLIPPER DRIVE.

Chassis 262 Series 9 II
L.O.P. E 51055
General Arrangement E 51055
Tested by J.J.
Inspected by _____ Date 12-4-23

REMARKS:— W. White
Speedometer L.O.P. E 50921
A.T. Speedometer.

P.T.O.

Nickel plated instruments
752435.

Spare wheel barriers fitted on
- nearside. LOP. 751943.
- R.R. Luggage Grid LOP. 751984.
- R.R. Mascot & cap. drg. 252355.
- Photo lubricators
- Rear J.W. carrier LOP. 751673
- Battery box LOP. 751129.
- Offside J.W. carrier LOP. 751974
see memo BY/A8B9/W20.4.23.
Nickel plated radiator shutters
LOP. 252206.

CRANKSHAFT. CONNECTING RODS—contd.

Connecting Rod Test Piece Nos. :—

1 2 3 4 5 6

N S

Crank Test Piece Nos. :—

XG 440X

Inspected by..... Date. 7-3-23.

REMARKS :—

GEAR BOX.—contd.

Series Letter. 51-1000... Gear Case No. 950759...
Speeds..... 3

1st & 3rd Motion Shaft General Arrangement. 950999.1

2nd Motion Shaft General Arrangement. 950986.1X.

Reverse Gear General Arrangement. 951002.1X.

Change Gear Mechanism L.O.P. 950982

" " " " General Arrangement. 950982

Inspected by. H. Norman Date.....

REMARKS :—

Speedometer drive LOP. 950921.

TEST PIECE NOS.

Rear Axle Tube, n/s 7.8. 656

" " " o/s 7.8. 706

" " Shaft, n/s PE. 23

" " " o/s PE. 22

Propeller Shaft

REMARKS :—

Rear SHOCK ABSORBERS.

Chassis..... 64H9 Series. 9.00

L.O.P. 751617

General Arrangement. F 31617

Tested by. AW

Inspected by..... Date. 12-4-23

REMARKS :—

W. Ellis
Front L.O.P. 751535
Gen. Arr. do.

CARBURETTOR

Chassis ~~262~~ Series 400 II
Carburettor L.O.P. E 501367 General Arrangement E 501367
Spring Chamber Drg.
Size of Throats 1.00 land 1.63
Shape of Second Throat entrance port 1.22
Throttle Drawing No. 752101 Float Feed Drg. No. 850965
Spray Cones D.R.G. No. 6 51760
Sizes, L.S. 1.24
H.S. 1.80
Height of petrol from Top to Nozzle 4.50
Suction Chamber Drg. No. 651113 Piston Drg. No. 651113
Type of Cone Lap 0.5113 Spring 0.5113 ozs.
Piston Lid Drg. No. 650465 Assembled by
Inspected by Y. Barlow Date 13-4-23

REMARKS:—

255

DISTRIBUTOR

Chassis ~~262~~ Series 400 II
L.O.P. D50663
General Arrangement D50663
Inspected by Y. Barlow Date 7-3-23

REMARKS:—

FITTED WITH CONDENSER 276

AVERAGE CONTACT GAP '031"

Distributor & water pump drives for 850308.

AIR PRESSURE, OIL & WATER PUMPS.

Chassis ~~262~~ Series 400 II
Pressure Pump L.O.P. General Arrangement
Oil .. L.O.P. E 50303 .. E 50303
Water .. L.O.P. E 50234 .. E 50234
Inspected by Y. Barlow
Date 3-3-23

REMARKS:—

ENGINE

Chassis ~~262~~ Series 400 II Engine No. 9349
Amount of Slack in Gudgeon Pin Bushes 1.000
Liners Cylinders 650307
Inlet Open OK 1/2 L Closed 1/2 L OK
Exhaust Open 1/2 L 1/4 L 1/4 L OK
Dynamo Drive 651525 Dynamo D 50836
Magneto No. not known Type 8.0.6
Starting Handle L.O.P. 651378 General Arrangement 651378
Inspected by Y. Barlow Date 9-3-23

REMARKS:—

Magneto drive for 851526.
Starter Motor D 50836
1-8.0.6. magneto fitted while car in TD. 5.4.23.

STEERING COLUMN.

Chassis ~~262~~ Series 400 II
L.O.P. 750941 General Arrangement 750941
Type D Finish Nickel
Switch Drawing
Push Button Switch L.O.P.
Inspected by Y. Barlow Date 3.3.23

REMARKS:—

273

DISTRIBUTION BOARD & CUT OUT.

Chassis ~~262~~ Series 400 II
L.O.P. D50687
General Arrangement D50687
Coil Winding D50520
Inspected by Y. Barlow Date 20-3-23

REMARKS:—

29. N9005. Lock washers fitted while car in TD. 5.4.23.

64H9. STARTING SWITCH. 277
Chassis ~~265~~ Series YTT
L.O.P. D50647
General Arrangement D50647
Inspected by [Signature] Date 9.3.23

REMARKS:—

COPPERSMITH AND SHEET METAL DEPARTMENT.
64H9. 265 Series YTT
Bonnet L.O.P. E. 52308 General Arrangement E. 52308
Petrol & Air Pipes L.O.P. 4.50810 " " 4.50810
~~Top Water Pipe L.O.P. E. 50816~~ " " ~~E. 50816~~
~~Bottom " " L.O.P. E. 50816~~ " " ~~E. 50816~~
Silencer L.O.P. E. 51605 " " E. 51605
Water Connection L.O.P. E. 50816 " " E. 50816
~~Crankcase Oil Strainer L.O.P. E. 51563~~ " " ~~E. 51563~~
Undersheet L.O.P. E. 50600 " " E. 50600
~~Petrol Tank L.O.P. E. 50946~~ " " ~~E. 50946~~
Inspected by J. Row Date 18. 6. 23
REMARKS:— Oil Fittings L.O.P. E. 51534

64H9. SWITCHBOARD. 249
Chassis ~~265~~ Series
L.O.P. D. 50868 D. 51021
General Arrangement D. 50868
Inspected by [Signature] Date 16. 7. 23
REMARKS:— K 82 T 31

mag. connection

64H9. IGNITION COIL. 3227
Chassis ~~265~~ Series YTT
Ignition Coil L.O.P. D1167
General Arrangement D1167
Coil Winding L.O.P. F. 4153
General Arrangement F. 6627 F. 4156

Has Ignition Coil been tested and adjusted to our standard requirements... OK
Inspected by [Signature] Date 29-3-23
REMARKS:—

64H9. PETROL TANK.
Chassis ~~265~~ Series YTT
Finish nic L.O.P. 750946
General Arrangement 750946
Tested by [Signature]
Inspected by Date 10. 4. 23

REMARKS:—
Indicator dial drg. 751015
White

64H9. FAN AND PEDALS.
Chassis ~~265~~ Series YTT
Pedal L.O.P. 750943 General Arrangement 75094
" Type Peaked (Belt drg. 652000
Bonnet Fasteners, L.O.P. E. 52308 Finish
Fan L.O.P. E. 52304 General Arrangement E. 52304
Diameter 18" Belt White
Length 4 1/2 to 4 3/4 Type 1/2 link
Camshaft L.O.P. General Arrangement
Inspected by [Signature] Date 9-4-23

REMARKS:— Pedal Starter mech.
751058.
8262
bug. 349

FRAMES AND FITTINGS.

64H9. ~~262~~ Series 10035
L.O.P. F50591 General Arrangement F50591/51218/9
Front Engine Suspension E51331/2
Rear " " F50170
Spring Brackets F51465/59083
Amount of Sag allowed when fixing Engine feet
Dumb Irons Drawing F51440/1 F500589
Inspected by W.P. Date 11/3/23

REMARKS:— Robert (Rated)

DYNAMO.

64H9. ~~262~~ Series YII 262
General Arrangement of Dynamo D50836
Armature. Drawing No. D50588
Brg., Bkts., Brush Holder & Cross Conns. Drwg. No. D50598
Commutator. Drawing No. D50780
Frame & Field Winding. Drawing No. L.O.P. D50612 D50588
Dynamo Suspension D50611

Inspected by W.P. Date 11/3/23
REMARKS:—

PISTONS.

64H9. ~~262~~ Series YII
Type of Piston
Piston L.O.P. E51487
Piston Part No. E51835
Piston Ring Part No. E50517/8 E52340
Piston Weights 12/34
Inspected by W.P. Date 16-4-23

REMARKS.—

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EQUALISING MECHANISM.

64H9. ~~262~~ Series YII
Foot Brake Mechanism L.O.P. E50826 General Arrangement E50826
Hand " " L.O.P. E50825 " " E50825
Induction Pipe L.O.P. E51767 " " E51767
Exhaust " L.O.P. E51605 " " E51605
Inspected by W.P. Date 11-4-23

REMARKS:—

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DASHBOARD IGNITION TERMINAL.

64H9. ~~262~~ Series YII
L.O.P. D50718
General Arrangement D70108
Inspected by W.P. Date 24-4-23

REMARKS — OK

GOVERNOR AND CONTROLS.

64H9. ~~NO 262~~ Series YII
Governor L.O.P. E50880 General Arrangement E50880
Control L.O.P. E51489 " E51621 " E51489
" Type D
Inspected by L. Barlow Date 3-3-23

REMARKS:—