

SECTION  
STEERING.

SECTION SHEET No.	SUB-SECTION	INFORMATION SUPPLIED BY
1.	STEERING	MR. A.S. BEVER
2.	STEERING	

# ENGINEERING TECHNICAL DATA

Model	M.G. 2 Seater Series M.G.A. Twin Cam (K1187)	Book No. ED/610
Section	STEERING	Sheet No. 1 of 2
Sub-Section	STEERING	Date

TYPE OF UNIT:	Rack and pinion	
TYPE OF MOUNTING:	Twin legs on rack	
SECURED AT:	Bolted to front cross member bracket	
SYSTEM OF TIE RODS AND ARMS:	Ball jointed to rack	
BACKLASH ADJUSTMENT:	By shims	
STEERING GEAR RATIO:	13.1/2: 1	
STEERING WHEEL DIA:	16.1/2 ins	
TURNS LOCK TO LOCK:	2.2/3	
STEERING ARM MAX. EFFECTIVE RADIUS:	6.1/4"	
RACK DAMPER SETTING:	.002"/.005"	
END FLOAT INNER COLUMN:	---	
NOMINAL DIAMETRICAL CLEARANCE ROCKER SHAFT:	---	
O/D ROCKER SHAFT BUSHES:	---	
INTERFERENCE FIT:	---	
STEERING LOCK ANGLES INNER:	37°	OUTER: 32°
ANGLE OF OUTER WHEEL AT 20° INNER WHEEL ANGLE:	18°	15°
KINGPIN INCLINATION:	(on full bump)	9 to 10.1/2 DEG:
WHEEL CENTRE LINE TO KINGPIN OFFSET:	GROUND 1.5/8" WHEEL AXIS. 3.13/16"	
LUBRICANT & CAPACITY:	8 ozs HY. 90 to 10° F HY. 80 below 10° F	

Details of Modifications	Change Point	Note Reference
Issue 1.		Section K. 1

# ENGINEERING TECHNICAL DATA

Model	M.G. 2 Seater Series M.G.A. Twin Cam (EK187)	Book No. <b>TD/C.10</b>
Section	<b>STEERING</b>	Sheet No. <b>2 of 2</b>
Sub-Section	<b>STEERING</b>	Date

	STATIC UNLADEN	TWO UP + 50 lbs	FULL LOAD ( UP)
WHEEL ALIGNMENT:	Parallel INS.	Parallel INS.	INS.
CAMBER: FRONT:	1 DEG.	1 DEG.	DEG.
REAR:	0 DEG.	0 DEG.	DEG.
CASTOR:	4 DEG.	4 DEG.	DEG.
TRACK FRONT:	47.29/32 INS.	47.29/32 INS.	INS.
WEIGHT/ FRONT:	576 LBS.	639 LBS.	LBS.
WHEEL: REAR:	516 LBS.	606 LBS.	LBS.
TYRE FRONT:	18 LB.SQ.IN.	18 LB.SQ.IN.	LB.SQ.IN.
PRESSURES: REAR:	20 LB.SQ.IN.	20 LB.SQ.IN.	LB.SQ.IN.

TURNING CIRCLE (DRIVER ONLY) R.H. **32 FT. 1 INS.** LH. **32 FT. 6 INS.**

Details of Modifications	Change Point	Note Reference
Issue 1 <sup>o</sup>		Section <b>K. 2</b>