

SECTION
FINAL DRIVE.

SECTION SHEET No.	SUB-SECTION	INFORMATION SUPPLIED BY
1.	FINAL DRIVE	MR. G.D. DELANEY
2.	FINAL DRIVE	

ENGINEERING TECHNICAL DATA

Model	M.G. 2 Seater Series M.G.A. Twin Cam (EX187)	Book No.	TD/G.1.
Section	FINAL DRIVE	Sheet No.	1 of 2
Sub-Section	FINAL DRIVE	Date	

AXLE CASE TYPE:	Fabricated Steel Pressings.		
AXLE CASE MATERIAL:	EN. 2A		
LOCATION OF AXLE:	Spring Centre Bolt.		
ATTACHMENT TO SPRINGS:	"U" Bolts at 37" Centres.		

DIFFERENTIAL:	FITTING:	10 - 5/16" Dia. Bolts on 8.125 P.C.D.	
	ADJUSTMENT:	None	

DIFFERENTIAL CARRIER BEARINGS:	TYPE:	Angular Contact Ball 40 m/m Light Type.	
	NUMBER:	R & M L J T 40	
	PRE-LOAD:	.002 Nip Per Bearing.	oz. ins.

DIFFERENTIAL GEARS:	10/16		
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THRUST TAKEN:	PINION:	Drive - Inner Pinion Bearing. Overrun - Outer Bearing.	
	CROWN WHEEL:	L.H. Differential Bearing.	

PINION BEARINGS:	FRONT:	Taper Roller - TIMKEN 15100S/J/4.	15250/X/4
	REAR:	Taper Roller SKEFKO 2K 15100S.5K.	15250/X
	PRE-LOAD:	13-15 lb. ins	TIMKEN 3188S/1/J 3120/2 SKEFKO 4K 3188 5K.3120

CROWN WHEEL:	TYPE:	Hypoid	
	MATERIAL:	EN 35	
	NO. TEETH:	43	

CROWN WHEEL AND PINION:	METHOD OF ADJUSTMENT:	CROWN WHEEL	PINION.
	NORMAL BACKLASH:	SH IMS .005* - .007*	WASHER BEHIND PINION HEAD.

Details of Modifications	Change Point	Note Reference
Issue 1a		Section I. 1

ENGINEERING TECHNICAL DATA

Model	M.G. w Seater Series M.G.,, Twin Cam (EX187)	Book No.	TD/G.1.
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CROWN WHEEL TO DIFFERENTIAL CARRIER BELTS:	TORQUE TIGHTNESS:	55 - 60 lbs. ft.	lbs/ins.
	DIAMETER	.375"	ins. 9.5250 mm.
	NUMBER OF:	8	
	CLAMP LENGTH	1.84	ins. 46.74. mm.
	LOCK MEDIA:	Tab washer	

PINION	TYPE:	Hypoid	
	MATERIAL:	EN 35	
	NO. TEETH:	10	
	OFFSET:	1.00	

GEAR RATIO:	10/43 (4.300 : 1)
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TORQUE TAKEN BY:	Road Springs
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DRIVE TAKEN BY:	Road Springs
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DRIVEN SHAFTS:	DIAMETER:	Taper 1.125" to 1"	ins. 28.575 to 25.4 mm.
	LENGTH (UNDER HEAD)	26.9/16.	ins. 674.6885 mm.
	END PLAY:	Nil	

ROAD CLEARANCE AT DIFF. CASING STATIC UNLADEN: 7.1/2" FULLY LADEN:

TOTAL WEIGHT: 137

TRACK: 48.875

MAXIMUM CARRYING CAPACITY: 1700lbs.

LUBRICANT: Hypoid 90 Transmission Oil

LUBRICANT CAPACITY) FROM DRY STATE: 2 pints 16 oz.
 AT INSTALLED ANGLE) REFILL AFTER DRAINING: 2 pints 4 oz.

FILLING LOCATION: Rear Cover.

DRAINING LOCATION: Under Centre of Axle Casing.

LEVEL INDICATION: Filler Plug Socket

REAR HUB BEARING: Double Row Ball. R & M. LDJ.40

MAX. TORQUE RATING: 425 16 ft.

Details of Modifications	Change Point	Note Reference
Revised DRY and REFILL		TD/MGR. 12.
Issue 2.		Section I .2.