

JAGUAR

Spares Division

Section REAR AXLE

Bulletin No. 9.6

Sheet: 1 of 3

Subject: INTRODUCTION OF 4HA REAR AXLE

Date: November.1960

Model affected:

Introduced at: Chassis numbers

	R.H.Drive	L.H.Drive
2.4 litre Mark 2 Automatic Transmission	103381 -	125693 -
2.4 litre Mark 2 Overdrive Transmission	103507 -	125693 -
2.4 litre Mark 2 Standard Transmission	103511 -	125693 -

At the above Chassis numbers and on all subsequent 2.4 litre Mark 2 cars, 4HA Rear Axles are fitted to supersede the previous 3HA Rear Axles. This modification also effects the Propeller Shafts and Handbrake Compensator which is fixed to the Bolts of the Rear Axle Cover Plate. Details of all the affected items are shown below

Interchangeability is affected. It is essential, therefore, that before items are ordered for a particular car, reference should be made to the Chassis number to ensure that correct parts are fitted.

It is not permissible for a 4HA Rear Axle to be fitted to a car originally equipped with a 3HA Axle either on a chargeable basis or as replacement under the Guarantee Scheme.

<u>Part No.</u>	<u>Description</u>	<u>No.off</u>	<u>Remarks</u>
C.15303	REAR AXLE COMPLETE(4.27;1)	1	For Standard or Automatic Transmission
7994	Carrier and Tube Assembly (4HA-101/40)	1	
3930	Cover for Carrier(4HA-010)	1	
3931	Gasket for Cover(4HA-026)	1	
6312	Differential Case Assembly (4HA-082/7)	1	
3845	Roller Bearing on Diff Case (2HA-024)	2	
3935	Shim,Diff Adjusting(.003")(4HA-0 2 46)		
3936	Shim,Diff Adjusting(.005")(4HA-0 2 47)		
3937	Shim,Diff Adjusting(.010")(4HA-0 2 48)		
3938	Shim,Diff Adjusting(.030")(4HA-0 2 49)		

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<u>Part No.</u>	<u>Description</u>	<u>No. off</u>	<u>Remarks</u>
6309	Crown Wheel and Pinion(4.27;1) (4HA-105/12A)	1	
6301	Setscrew, Crown Wheel to Diff Case(3HA-075/6)	10	
6316	Lockstrap for Crown Wheel Setscrew(4HA-074/2)	5	
8029	Distance Washer behind Outer Pinion Shims(4HA-115)	1	
3934	Oil Slinger on Pinion(4HA-036)	1	
7995	Shaft(4HA-005/47)	2	

All other items as printed for
Rear Axle C. 15321 on page 132 of
Publication J. 28

C.17090	REAR AXLE COMPLETE(4.55;1)	1	For Overdrive Transmission
3985 6310	Crown Wheel and Pinion(4.55;1) (4HA-105/11A)	1	

All other items as for Rear Axle
C. 15303

6312	DIFFERENTIAL CASE ASSEMBLY(4HA-082/ 7)	1	
6314	Case only(4HA-006/5)	1	
3929	Side Gears(4HA-007)	2	
3855	Thrust Washer for Side Gears (2HA-038)	2	
3835	Pinion Mate Gears(2HA-008/1)	2	
3854	Thrust Washer for Pinion Mate Gears(2HA-037)	2	
3837	Shaft for Pinion Mate Gears (2HA-012)	1	
3932	Spacer on Shaft(4HA-033)	1	
3838	Pin Locking Shaft(2HA-013)	1	
C.16204	REAR AXLE COMPLETE(4.27;1)(WITH THORNTON POWR-LOK DIFFERENTIAL)	1	For Standard or Automatic Transmission
7380	Differential Assembly(4HA-082/11)	1	

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<u>Part No.</u>	<u>Description</u>	<u>No.off</u>	<u>Remarks</u>
	REAR AXLE COMPLETE(4.27;1)(WITH THORNTON POWR-LOK DIFFERENTIAL)CONT'D		
6309	Crown Wheel and Pinion(4.27;1) (4HA-105/12A)	1	
	All other items as printed for Rear Axle C.16201 on page 351 of Publication J.28		
C.17098	REAR AXLE COMPLETE(4.55;1)(WITH THORNTON POWR-LOK DIFFERENTIAL)	1	For Overdrive Transmission
6310 6.310	Crown Wheel and Pinion(4.55;1)(4 HA-105/14A)	1	
	All other items as printed for Rear Axle C.16202 on page 346 of Publication J.28		
C.7860	CLIP RETAINING BRAKE PIPES TO REAR AXLE	2	
C.15514	HANDBRAKE COMPENSATOR ASSEMBLY	1	
C.15524	Bracket	1	
C.15532	Felt Seal	1	
C.15529	Fulcrum Pin Assembly	1	
C.15517	Balance Lever	1	
140	Bush in Balance Lever	2	
C.15523	Spindle Assembly	1	
FW.106/T	Plain Washer	1	
C.15849	Spring	1	
UFN.137/L	Nut, securing Spindle to Fulcrum Pin	1	
C.12060	PROPELLER SHAFT ASSEMBLY	1	For Standard Transmission only
	Please refer to page 286 of Publication J.28 for replaceable items		
C.12154	PROPELLER SHAFT ASSEMBLY	1	For Automatic Transmission only
	Please refer to pages 289/290 of Publication J.28 for replaceable items.		
C.12183	PROPELLER SHAFT ASSEMBLY	1	For Overdrive Transmission only
	Please refer to page 294 of Publication J.28 for replaceable items		

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Section: REAR AXLE

Bulletin No: G.11.

Sheet: 1 of 1

Date: August, 1963.

Subject: REAR AXLE LUBRICATION
(See also SERVICE Bulletin H.9)
Model affected:

Introduced at: Chassis number

R.H. Drive	L.H. Drive
115286	127150
163078	179160
230554	222592
850696	879309
861155	888531
304468	352682
304433	352724

2.4 litre Mark 2
3.4 litre Mark 2
3.8 litre Mark 2
'E' Type Open
'E' Type Fixed Head Coupe
Mark 10 Overdrive
Mark 10 Automatic Transmission

Rear Axles fitted to the above and subsequent cars are filled with a special oil to obviate "chatter" on the Powr-Lok Differential Clutch Plates. For ease of production all Axles are filled with this new Oil irrespective of a Powr-Lok Differential being fitted.

This oil MUST NOT be drained at the first 500 mile (800 km) free service. After 5,000 miles (8,000 km) the special oil can be drained and thereafter one of the normal Hypoid 90 lubricants, as recommended in the car handbook, should be used.

If a car is sold to a non-Jaguar trader it is incumbent upon the Distributor or Dealer to acquaint the trader with the contents of this bulletin.

UNITED KINGDOM AND EUROPE

To cater for cases where a Powr-Lok Axle is dismantled or a replacement Axle fitted to a car, the special oil is available ONLY FROM JAGUAR SPARES DIVISION in 1 quart (1.14 litre) tins and may be obtained to Part No. 9991. The Oil will be sold to all Distributors and Dealers at a strict Nett price as it is not normally the policy of this Company to stock oil for resale.

COUNTRIES OTHER THAN EUROPEAN

In Countries to which it is not practicable to send quantities of oil, Distributors and Dealers should use a reputable limited slip Differential oil.

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Section: REAR AXLE

Bulletin No: G.19

Sheet: 1 of 1

Date: March, 1965.

Subject: DIFFERENTIAL CASE ASSEMBLY

Model affected: 2.4 litre Mark 2 (with JHA Axle)

Introduced at:

Publication J.33 contains incorrect information in respect of the Differential Case Assembly fitted to JHA Rear Axles on 2.4 litre Mark 2 cars.

Correct details are shown below and all concerned are advised to amend Catalogues in their possession in accordance with this Bulletin.

<u>Part No.</u>	<u>Description</u>	<u>No. off</u>
6299	DIFFERENTIAL CASE ASSEMBLY (JHA 032/14)	1
6607	Case only, for Differential (JHA 006/12)	1

All other items are as printed in Publication J.33.

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Section REAR AXLE

Bulletin No. G.4

Sheet: 1 of 1

Date: June, 1959

Subject: REAR HUB PULLER

Model affected: Mark V, Mark VII, Mark VIII, Mark IX
XK.120, XK.140, 2.4 litre, 3.4 litre
XK.150

Introduced at:

A service tool for withdrawing rear hubs of the five stud type is available from V.L. Churchill and Co, Ltd., Great South West Road, Bedfont, Feltham, Middlesex. The Part number is J.1., and the price to the trade is £.6. 9. 4d. nett.

Orders for this tool should be placed with Messrs V.L. Churchill direct and not through Jaguar Cars Limited.



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Section REAR AXLE

Bulletin No. G.5

Sheet: 1 of 1

Date: June, 1959

Subject: REAR AXLE HUB OIL SEAL

Model affected:

Introduced at:

2.4 litre
 3.4 litre
 Mark IX
 XK.150

The Rear Hub Oil Seal Assembly has been modified to give a more efficient sealing condition on the Rear Axle Shaft. The new Seal Assembly takes effect immediately and must be used when a replacement is necessary on all cars fitted with Disc Brakes. The new Assembly is interchangeable with the old condition.

The revised part numbers are as follow :-

Part No	Description	Qty	Model
7953	Oil Seal Assembly for Rear Hub	2	2.4/3.4 litre with Disc Brakes
7955	Oil Seal Assembly for Rear Hub	2	Mark IX/XK.150

It should be noted that the original Oil Seal Assembly (Part number 3039) should still be used on 2.4/3.4 litre cars fitted with Drum Brakes.

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