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DIRECTORS  
S. R. HOGG, D.S.O., M.C., F.C.A.  
C. R. COLLIER  
D. S. HEATHER  
SIR ALAN HUTCHINGS, K.B.E.  
J. F. KELLEHER  
G. I. FRANCIS



**ASSOCIATED MOTOR CYCLES LTD.**  
MANUFACTURERS OF AJS AND MATCHLESS MOTOR CYCLES

TELEPHONE  
WOOLWICH 1223  
TELEGRAMS  
MATCHLESS-WOL-LONDON  
CODES  
ABC 57 & 67 Edins & BENTLEYS

PLUMSTEAD ROAD  
LONDON, S.E.18

Our Ref CRC. 53/1

DD.

Your Ref .....

SERVICE BULLETIN

1953 TWIN OFFENDER MODELS  
Resulting from receipt of complaints of excessive oil entering the primary chaincase of 1953 Twin Models, causing loss of oil and severe clutch slip, an investigation was carried out and the trouble was found to be due to an unintended high level oil buildup in the timing case which, when the engine is stopped, passes into the crankcase. When restarting the engine, some of this excess enters the front chaincase via the drive side bearing.

To prevent this happening, all Twins from Engine No. 16939 onwards have an oil level control hole drilled in the timing side crankcase wall in the same position as prior to 1953 and the provision of this hole has entirely eliminated the trouble. To deal with existing machines, it is recommended that a hole of 5/16" diameter be drilled exactly as depicted on blue print herewith.

It has been established that generously coating the drill point with grease, particularly as it breaks through the crankcase wall, ensures that no chips fall into the crankcase interior. The only dismantling necessary is to remove the timing case cover, secured by 10 screws and the entire oil pump assembly secured by 3 nuts and washers, when the position of the hole required can be scribed and suitably centre-punched.

May, 1953.

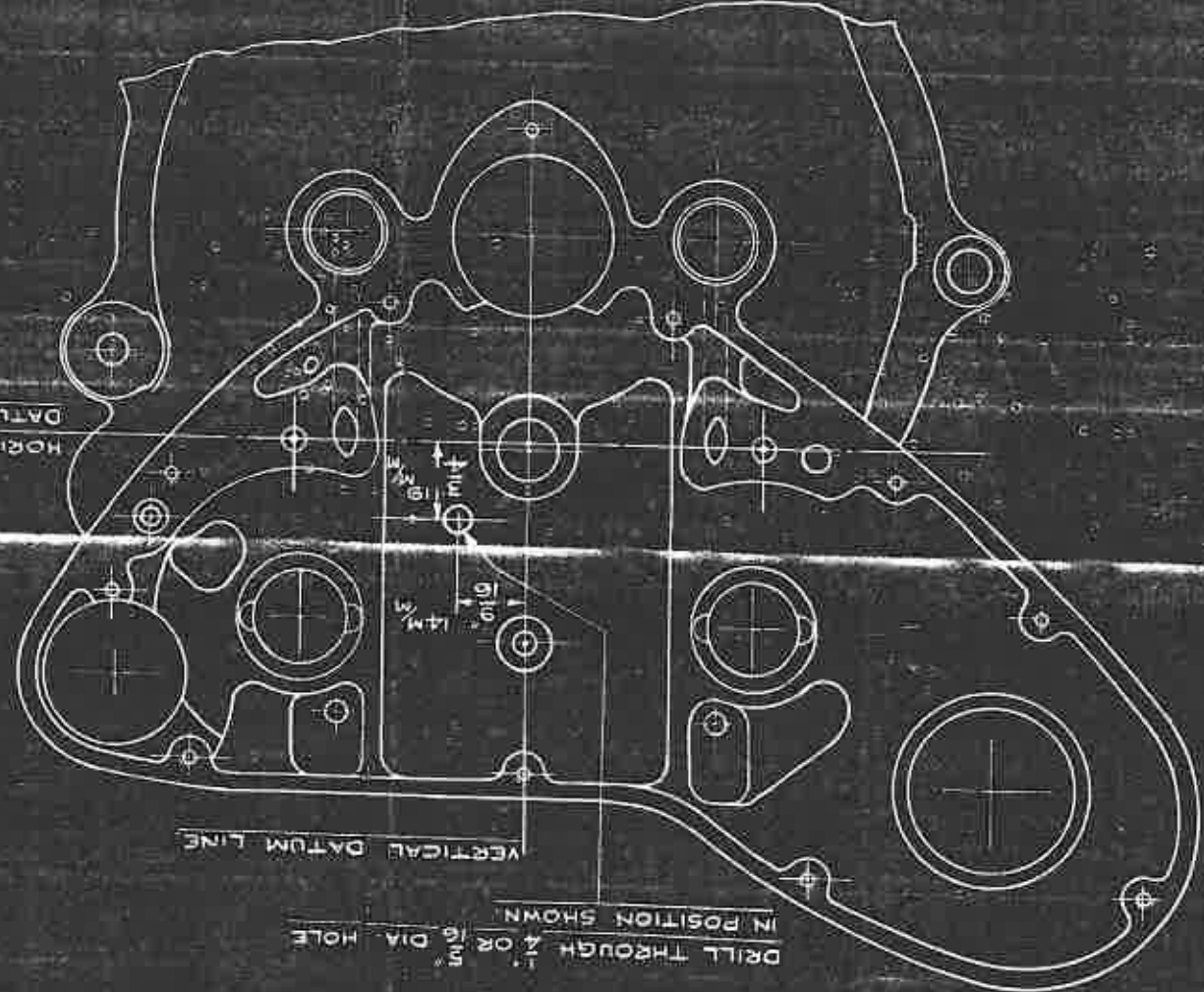
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OPER GR UP

VIEW OF TIMING SIDE CRANKCASE WITH TIMING COVER  
AND OTHER COMPONENTS OMITTED

REDUCED SCALE



DRILL THROUGH 1/16 OR 5/16 DIA. HOLE  
IN POSITION SHOWN

VERTICAL DATUM LINE

HORIZONTAL  
DATUM LINE

ISSUE  
DATE

AMENDMENT

MODEL NO OFF

6/5/53

99

20

FINISH:-

DRAWING MUST  
NOT BE SCALED

DRAWN:-

CHECKED: *MA*

APPROVED:-

INST. BY:-

ASSOCIATED  
MOTORCYCLES

LTD.

NAME:-

DIAGRAM FOR  
DRILLING OIL  
RELEASE HOLE

PART

021244