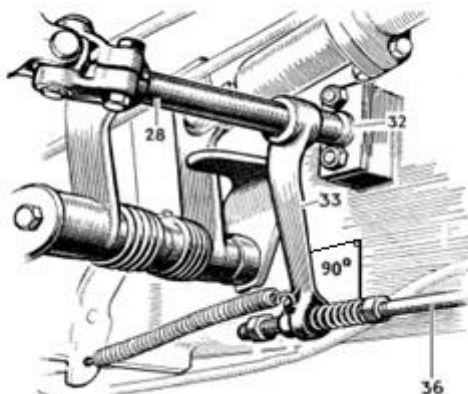


# The Riley RM Centre Information Slip

## Clutch Rod Adjustment



The clutch above is shown above fully released!

If the clutch rod supplied is 14 inches long your rod is correct for a 1½

If the clutch rod supplied is 18 inches long your rod is correct for a 2½

RMs only had 2 lengths of rod 1½ ones (shorter) and 2½ ones (longer). The rod supplied is correct in diameter, thread, thread length at each end and material specification. In other words it is a correct direct replacement for an original.

When the clutch linkage is correctly adjusted the clutch rod WILL NOT BREAK in service, the ONLY reason for a broken clutch rod is incorrect adjustment allowing the rod to neck, bind up and bow, leading to failure. The manual is pretty hopeless regarding setting up the clutch linkage. You need to aim to get 90 degrees or just passed (97 to 100 max degrees) between E6.33 and E6.36 when the clutch is FULLY RELEASED; the 7 degree rule stated in the manual for E6.33 is a bit of a red herring. As a happy by product a correctly adjusted clutch is much lighter in operation because you the driver no longer needs to input the extra energy into the pedal each time to bend the clutch rod.

You will have to overcome all previous bodesges and maladjustments to achieve correct adjustment. It is more a case of making sure that the clutch rod operates with a linear motion without bending and then setting the rest of the linkage to suit rather than trying to alter the bottom linkage to adjust out the problem. You may have to move E6.24 a spline on E6.28 and or you may have to bend the angle that E6.33 has at the bottom where the rod passes through. These are 2 common “improvements” made by previous owners! Also remember that the better the condition that the bush E6.32 and U/J pins and bushes are in the easier your job will be.

Please note that the flexible clutch rod will not cure the underlying problem of the solid rods breaking due to the linkage being incorrectly set and allowing the rod to “neck” itself. In these same circumstances the flexible rod will bend (not flex!) at the point where the wire cable joins the threaded feral, leading to rapid failure. The flexible cable is best used as a get me home spare in the event of the solid rod failure.

The Riley RM Centre Ltd

THE RILEY R.M. CENTRE LTD						Clutch Rod adjustment	A4
DRAWN	ISS	CHANGE	APP	DATE	NOTES		
SP	1			22/3/18			
						DWG NO.	SHEET
						<b>Clutch rod Adj-IS</b>	<b>1</b>