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ENGINEERING MEMO #76

TO: J. Stout, S. Wilson, S. Hori, E. Horrigan, J. Temple (4),  
L. Hilsky(4), W. VanHorn, F. Leamy(3), R. McCulfor, A. Radke,  
W. Asselin, R. Smith, A. Goedhart, C. Ayres, E. Nelson,  
C. Cornwell, S. Megyesi, B. Herrington(8), R. Bach, D. Markin,  
F. Baldwin, J. Copeland, J. Coleman, T. Bedard, K. Bothe,  
G. Orwig

FROM: R.G. Fuller

SUBJECT: BELL HOUSING ALIGNMENT

When a Bell Housing is replaced on any engine the alignment of same to crankshaft center is very important. Since we are going to change many housings in the Field in the next few months; each new installation must be checked and corrected if the eccentricity or out of square exceeds .005 T.I.R.\*

There is only one way this check can be made:

1. Fasten an indicator on a member rigidly applied to the crank and read the dial as the crank is turned with the feeler riding in the bore.

2. Indicate from the same revolving member to the rear face of the bell housing.

3. Certain combinations of eccentricity and out of square conditions may be corrected by shims only, while other combinations will require that dowels be removed and the holes reamed after setting the housing and new larger dowels inserted. With this job facing the mechanic, he may elect to remove the power plant completely, rather than attempt all the corrections in the car.

\* .005 TIR was .010 TIR.