

**INFORMATION BULLETIN**

No. M 462-RF/27

REF. : The MN-14B Oil Pump - Modification of splineways of its driving shaft and vertical shaft mounted in the rear drive gear box.

REASON: For improvement of technology and unification of the pump referred to with the other oil pumps of the respective engine type series.

The type marking MN-14B of the oil pump has not been changed. The design modification concerns only the shape of splineways of both the shafts mentioned above. The plane spur flanks of the shaft splineways have been modified into involute flanks. This modification is distinctly illustrated in the sketches comprised herein-after and stated in the table here below:

Denomination	Part Nos. of the Design		Note
	Original (Primary)	Present (New)	
Vertical drive gear shaft	14-911-084	14-911-088	Non-interchangeable
Oil pump driving shaft	14-611-211	14-611-217	Non-interchangeable
Oil pump assy	14-711-140	14-711-142	Non-interchangeable

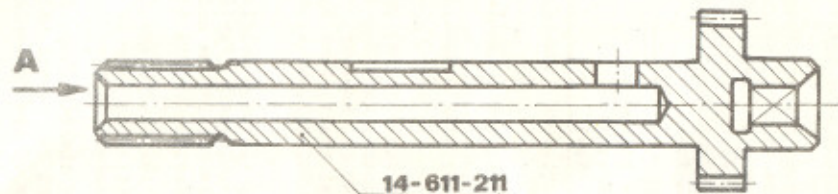
The primary (unmodified) assembly of the vertical shaft, Part No. 14-911-084 compl. with the driving shaft, Part No. 14-611-211, or with the oil pump, Part No. 14-711-140 is, however, replaceable by the modified assembly of the vertical shaft, Part No. 14-911-088 with the driving shaft, Part No. 14-611-217, or with the oil pump, Part No. 14-711-142.

Through a replacement of the primary oil pump driving shaft, Part No. 14-611-211, by the modified driving shaft, Part No. 14-611-217, can the primary oil pump, Part No. 14-711-140 be modified at a repair shop into the oil pump assy., Part No. 14-711-142.

NOTE : Both the modified shafts, Part Nos. 14-911-088 and 14-611-217 are in the face provided with a differentiating bore or a slit respectively as illustrated in the draft comprised hereinafter.

The new (modified) design version of the oil pump, Part No. 14-711-142, and of the vertical shaft, Part No. 14-911-088, are now being fitted onto the M 462-RF engines of the following serial numbers:

**DŘÍVE
БЫЛО
PRIMARY
FRÜHER**

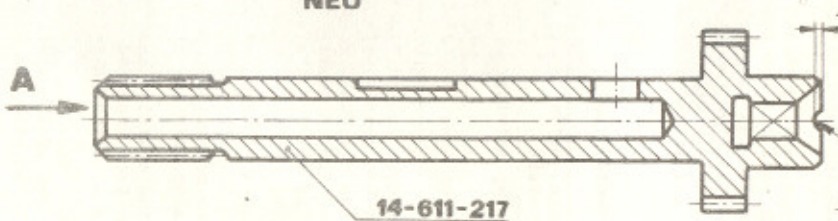


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$z=18$



**NYNÍ
СТАЛО
NEW
NEU**



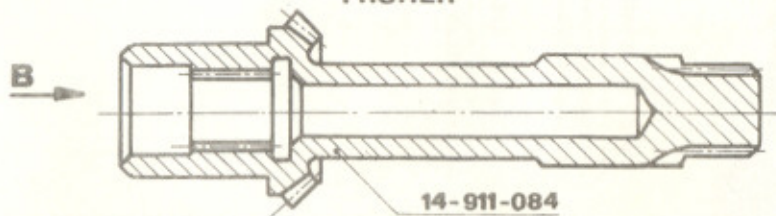
„A” 10 : 1

$z=18$

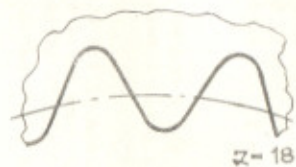


**R1
ROZLIŠENÍ
ОТЛИЧИЕ
FOR DIFFER.
UNTERSCHIED**

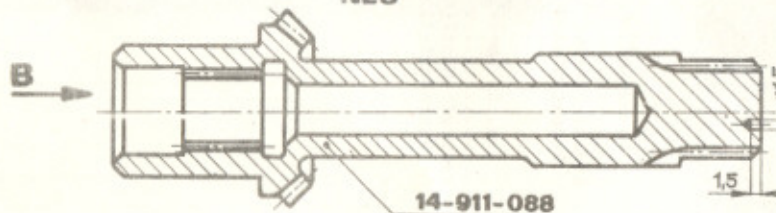
DRIVE
БЫЛО
PRIMARY
FRÜHER



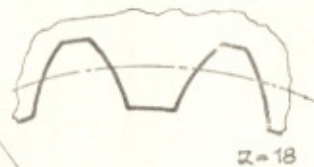
„B” 10:1



NYNÍ
СТАЛО
NEW
NEU



„B” 10:1



ROZLIŠENÍ
ОТЛИЧИЕ
FOR DIFFER.
UNTERSCHIED

621209 to 621215
621217 to 631223
631225 to 631226

641263 to 641264
641267 to 641271 and
from 711274 further on.

MEASURES: No special measures, referring to the M 462-RF aeroengines produced before application of the present design modification, are necessary to be introduced.

The commercial users and repair shops of the engines involved are only to enter the corresponding correction in the "Catalogue of Spare Parts of the M 462-RF Aeroengine", referring to the design modification conformably to this bulletin.

EXPENSES: No extra expenses are resulting in connection with this matter.

Prague, February 15, 1977.

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