

Service-Information Motorcycle



BMW of N.A.
Service Department

Group: 23
Gearbox

December 1985
23 006 85
(2188)

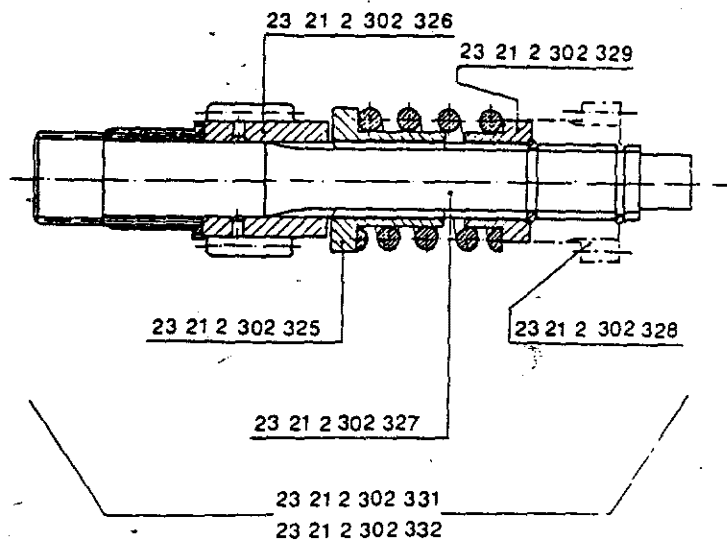
For USA and Canada
Only

Improved Input Shaft Drive Gear -- 17.5° Helical Gears
(Boxer 5-speed Gearboxes)

Information:

To strengthen the input shaft gear,
the following items have been redesigned:

<u>Part:</u>	<u>Part No.:</u>
input shaft	23 21 2 302 327
input shaft gear	23 21 2 302 326
thrust piece	23 21 2 302 325
counter piece	23 21 2 302 329
kick starter gear	23 21 2 302 328
complete shaft <u>without</u> kick starter gear	23 21 2 302 331
complete shaft <u>with</u> kick starter gear	23 21 2 302 332



The input shaft with the reinforced
input gear can be installed in all gearboxes
with the 17.5 degree meshing angle gears
[see Service Information 23 004 83 (2073)
for further identification.]

Introduction of
Modification:

The modification will begin with gearbox No. 115 167. Exterior identification is in the ribbing under the air filter housing.

Only two (2) gearboxes will be available in the future. They will have all the above modifications and will supercede all currently valid part numbers.

NOTE: The selector lever, Part No. 23 31 2 302 227 must be ordered for all R80G/S and R80ST models.

Part Number
Changes:

The following list of gearboxes with kick starters have been replaced by Part No. 23 00 1 457 093, which includes all modifications:

Gearboxes with kick starters:

23 00 1 242 412	X
23 00 1 242 413	X
23 00 1 242 414	
23 00 1 242 415	
23 00 2 301 800	X
23 00 2 301 801	X
23 00 2 301 794	
23 00 2 301 795	

Gearboxes without kick starters use

Part No. 23 00 1 457 092, which includes all modifications:

23 00 1 242 416	
23 00 1 242 417	
23 00 2 301 786	
23 00 2 301 789	
23 00 1 451 351	X
23 00 1 451 350	X

NOTE: Part numbers followed by an "X" are gearboxes for the R80G/S or R80ST. You are reminded to order the selector lever as well.

Very truly yours,

BMW OF NORTH AMERICA, INC.



Richard Dampf
National Technical Manager