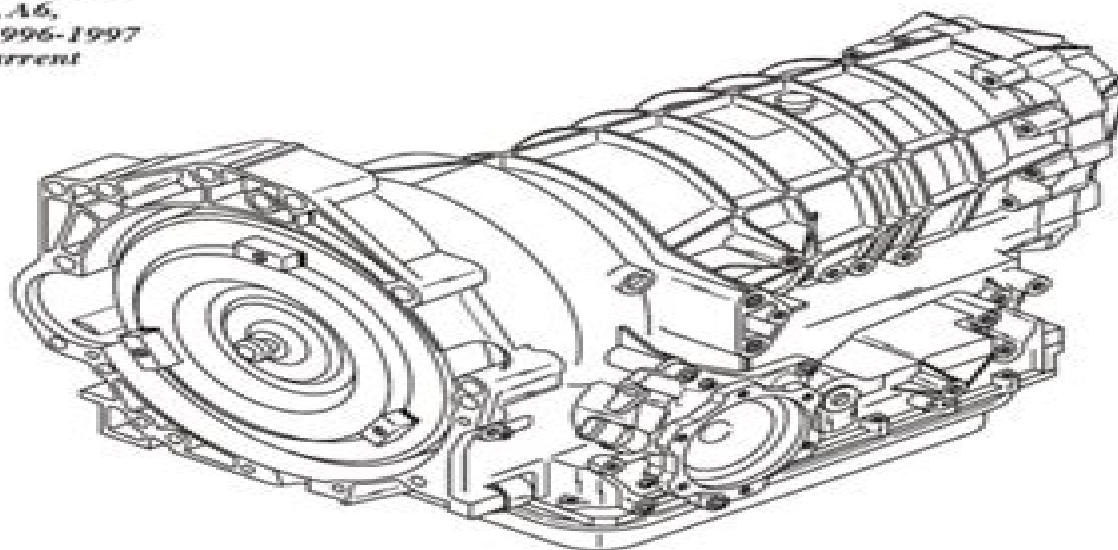


BMW ZF-5HP-19FL PRELIMINARY INFORMATION

FOUND IN:

*BMW 97-Current, 3 Series E46, 5 Series E39, 7 Series E38,
Audi 95-Current, A4, A8,
Audi 97-Current, A6,
Porsche Boxster 1996-1997
VW Passat 96-Current*



This transmission is manufactured in Germany by ZF and carries the designation ZF-5HP-19..

The ZF-5HP-19 Series is an electronically controlled, five speed automatic transmission with a lock-up clutch type torque converter. Two planetary gear sets, one Ravigneaux gear set and one standard planetary gear set on the output side, four rotating multiple disc clutches, three multiple disc brake clutches, and one sprag clutch (Freewheel) are used to provide the five forward speeds and reverse.

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