



## TECHNICAL BUILD DETAIL 996.1.3

Vehicles Impacted: Porsche 996 Carrera 2 & Carrera 4

Pinion shaft or main shaft bearing failure in the 996 series transaxles can lead to severe damage of the gear sets, shafts, and casings of the gearbox. For this reason Gbox fully inspects all of the bearings in the gearbox and replaces those found to be damaged. The example below shows a pinion bearing with a type of surface failure known as spawling. The phenomenon of spawling is analogous to a pothole in the road. As the tire or ball bearing rolls over the road or raceway and encounters a surface defect large impact loads develop which expand the size of the pothole or spawl. This condition leads to rapid degradation of the bearing.

