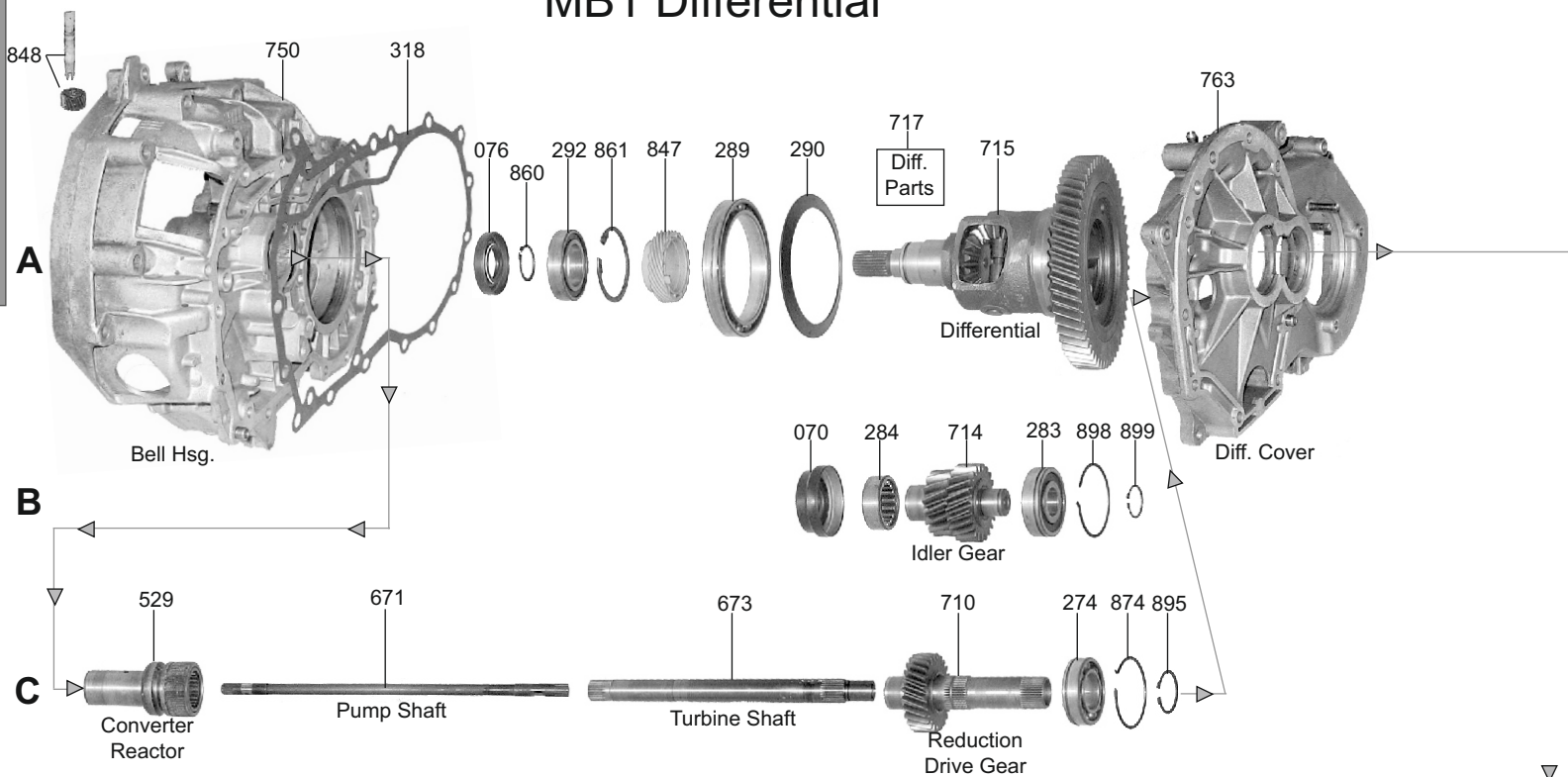
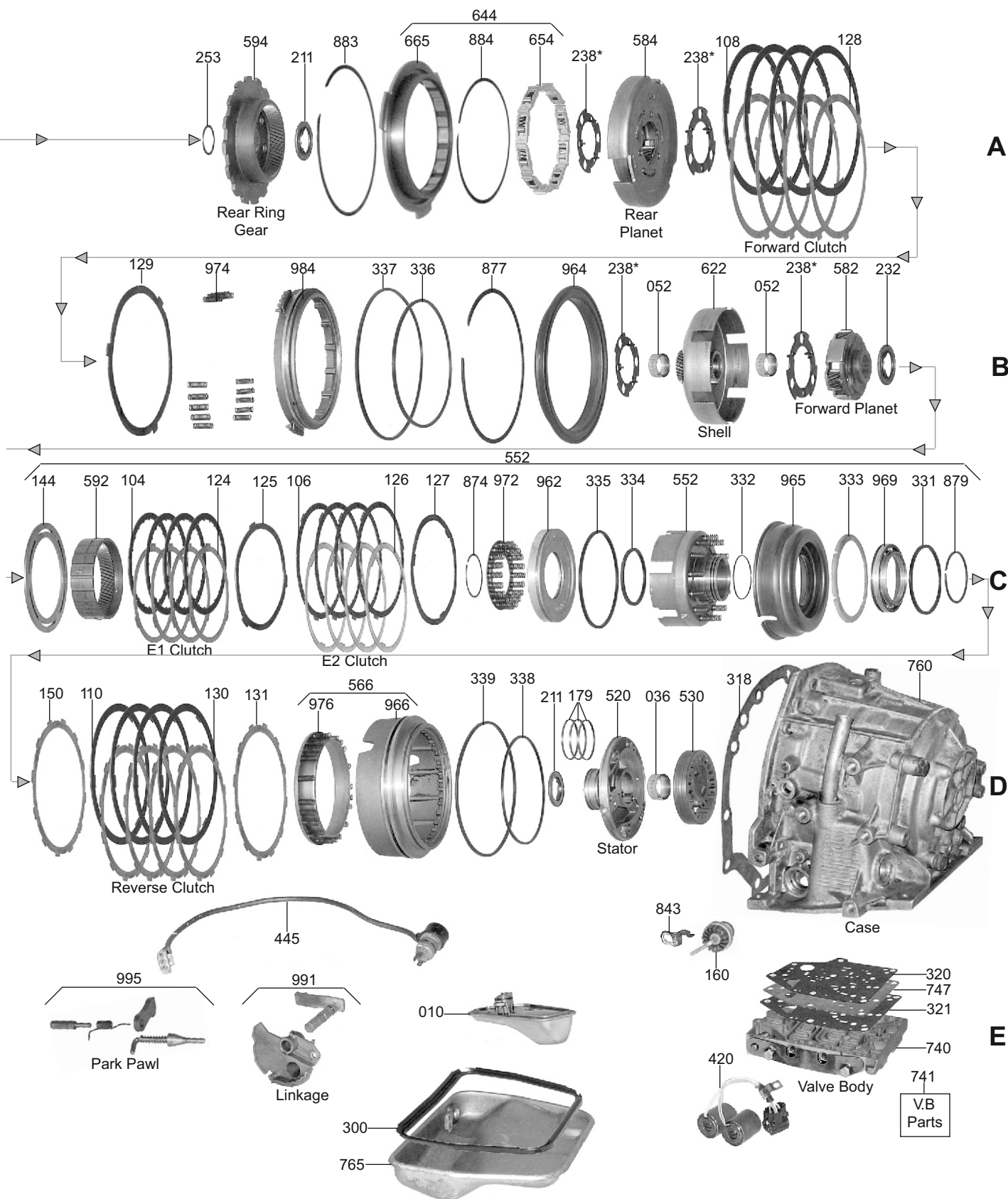


## MB1 Differential







**Ken Snead, Transmission Technology, England**

## **TECH TIP** Renault Megane Scenic **Electrical Interference**

Here's one that kept us guessing for quite some time and thought you might be interested in. We had a Renault Megane Scenic arrive in limp mode. A scan revealed a faulty output-speed sensor. This was changed but the fault persisted. We explained to the owner that Renault had particularly sensitive software in its TCM and it was probably picking up a degree of slip that when driving appeared OK.

The customer gave authorization to strip out the unit. This was done, and the unit was resealed and refriktioned, and filled with the correct oil. You guessed it – still the same.

We have two types of aftermarket scan tool plus the genuine Renault scan tool, and all said the same: output-speed sensor. So we then changed first the

gearbox TCM and then the engine-management ECU. Still the same.

We had also noticed that the range-selected indicator would go out when the engine was started and the D3 light and snow light would light up at random. We then began to think maybe we had an electrical-interference problem, and – to cut a long story short – by pulling off a plug head at a time we found that with the No. 1 plug head disconnected the gearbox was OK. Changing the No. 1 coil cured all problems.

Also please be aware that the vehicle had no engine fault codes, a perfect data read-out and the engine ran perfectly. Also no erroneous signal on the oscilloscope. This one was definitely no fun.