

## 5.12 INSTALLATION IN FORD FRONT DIFFERENTIALS

The Dana 35, 44 and 50 differential carriers in the front of Ford IFS vehicles manufactured since 1980 utilise a C-clip to retain one front axle. When an ARB Air Locker is to be installed, this C-clip cannot be re-used. Therefore, a spring is to be fitted at the outer end of the axle to prevent the axle floating out of the splines in the differential. A suitable spring would be a car valve spring or one of similar strength. The spring must be put inside the outer yoke so that it presses against the inner end of the stub axle, in essence, spring loading the slip spline as shown below.

**NOTE:** When assembled, ensure that the spring maintains sufficient pressure on the axle to hold it firmly against the cross shaft of the differential while the truck is sitting on level ground.

