



Technical Service Information

EAGLE PREMIER ZF 4HP-18

NEUTRALIZES ON 3-4 UPSHIFT

COMPLAINT: The transaxle neutralizes when a shift is made from third gear going into fourth.

CAUSE: It is not uncommon to find split conical cushion washers in the servo bore from the overdrive servo which interferes with the full travel of the servo piston preventing band apply (See Figure 1). The servo may be overlooked in the diagnostics as component application charts indicate the band is used for 2nd gear and second gear is operating correctly. A closer look at the application chart reveals that the band is used in second gear in addition to the intermediate clutch. If the band can not apply for second, the intermediate clutch will provide the hold on the sun gear achieving the 1-2 up shift.

CORRECTION: The conical washers are not serviced separately. If solid washers are used as a replacement, a tail end bump may occur on the 1-2 and more noticeably on a 3-4 up shift. The entire servo assembly can be purchased through an authorized ZF parts distributor. If good used conical washers are found, ensure that the washers are assembled in a "clam shell" configuration, as seen in figure 1.

SERVICE INFORMATION:

Eagle Premier Servo 1050231019

Saab 9000 Servo 1050231018

Note: *The above part numbers are ZF's. These parts can only be purchased through an authorized ZF parts distributor. The above numbers are to be used as a reference as the authorized distributors may have their own numbering system.*

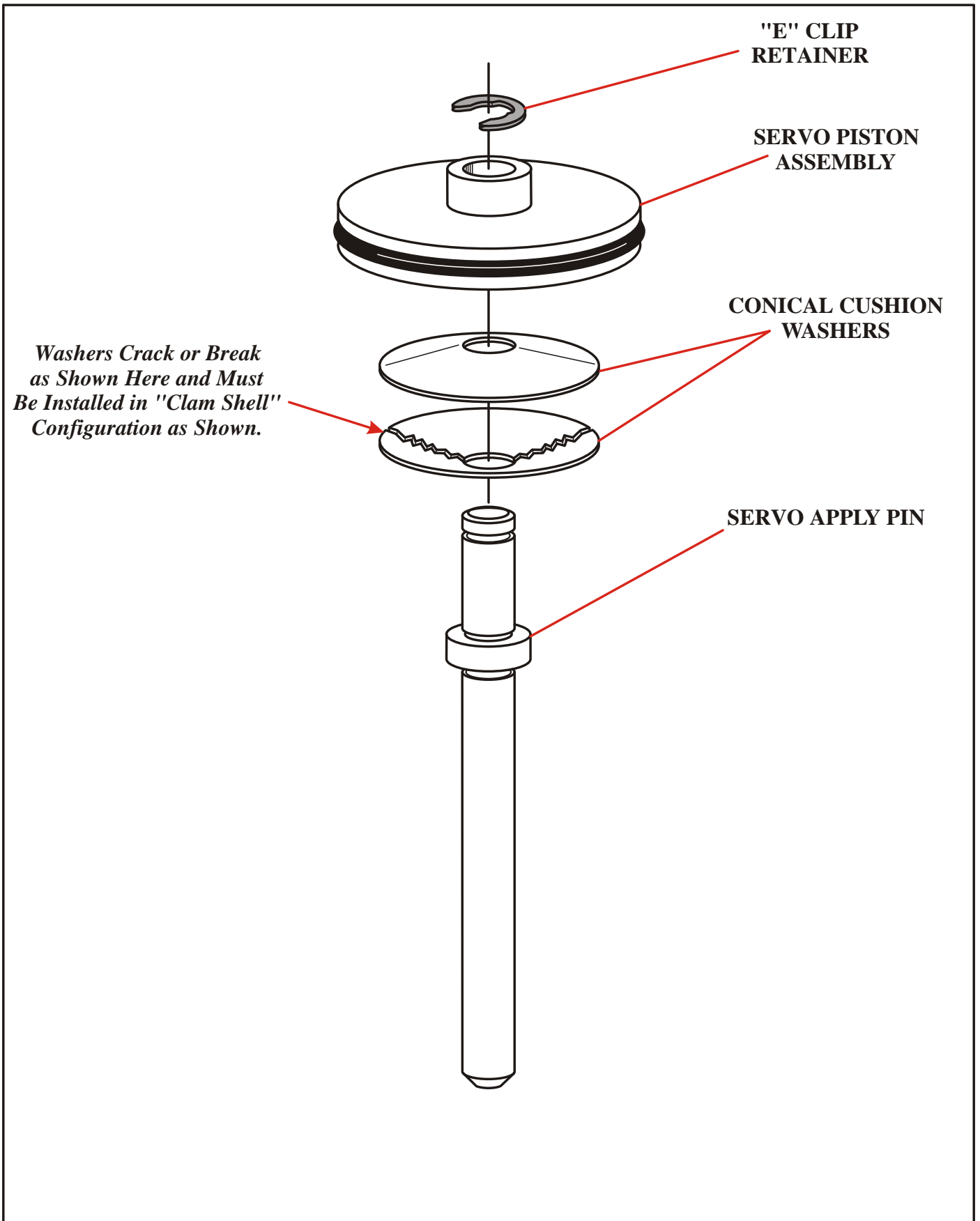


Figure 1