



Technical Service Information

ACURA/HONDA DIFFERENTIAL CROSS SHAFT FAILURE

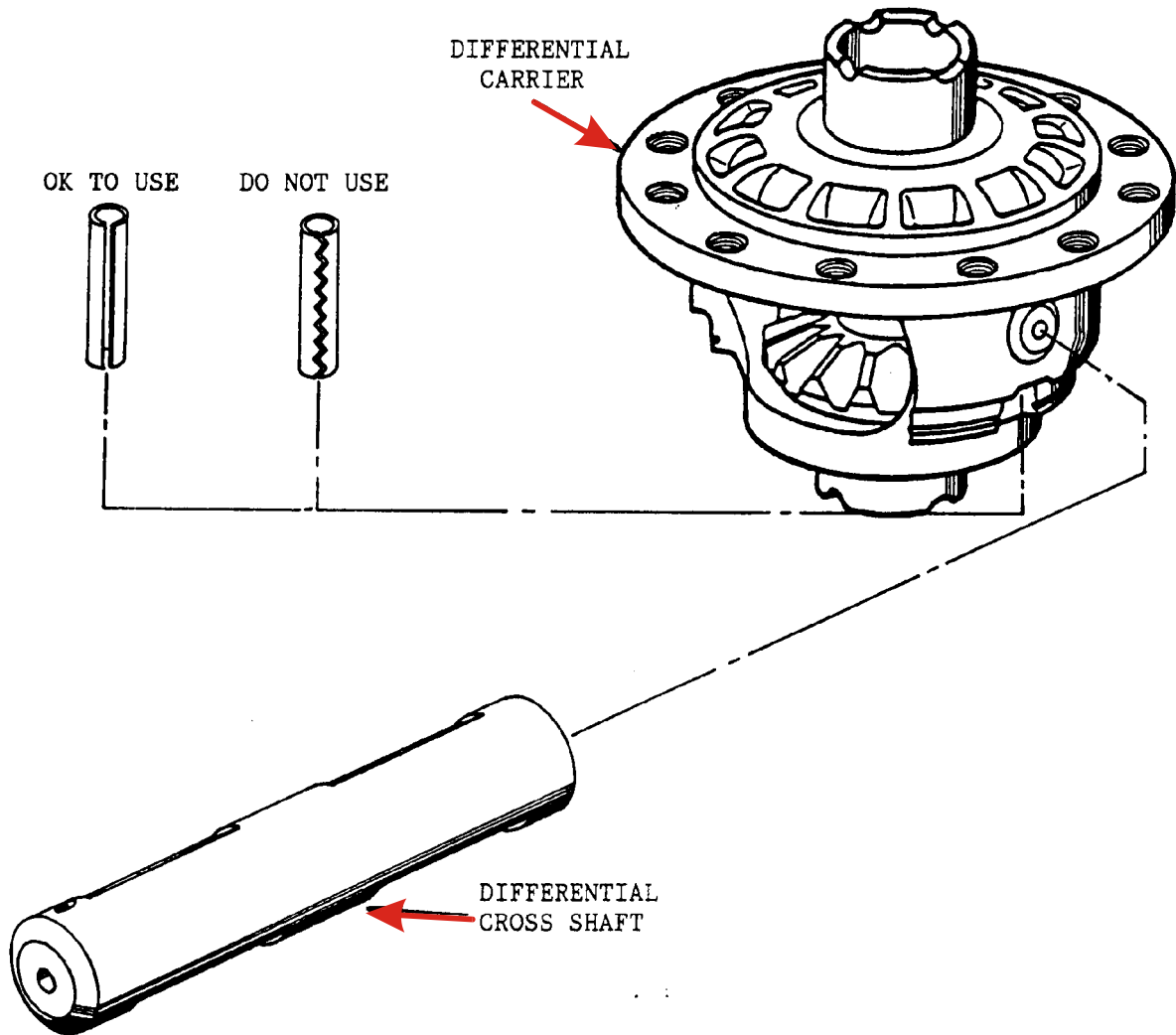
COMPLAINT: Failure of the differential cross shaft that resembles a lubrication failure, in the area of the cross shaft where pinion gears rotate.

CAUSE: The cause may be the material from which the cross shaft was made.

CORRECTION: There is now available from Honda, two new design differential cross shafts made of Titanium, that will eliminate the above complaint and should be installed during routine overhaul (See Figure 1). The rolled pin that retains the cross shaft in the differential carrier should also be replaced with a different design. The original rolled pin, with the split that resembles a "Zipper" (Figure 1), should NEVER be used. ALWAYS replace it with a regular split type rolled pin of the proper dimension.

Refer to the chart in Figure 1 for the dimensions and part numbers for the new design differential cross shafts.

DIFFERENTIAL CROSS SHAFT



CROSS SHAFT DIMENSIONS				
APPLICATION	SHAFT DIAMETER	SHAFT LENGTH	ROLL PIN HOLE DIAMETER	PART NUMBER
(MOST 4 CYL)	.708"	4.069"	.161"	41321-PL3-T00
(MOST 6 CYL)	.708"	4.522"	.238"	41321-PL5-Z00

Figure 1