



Technical Service Information

HONDA/ACURA BAXA/B7XA FAMILY TIE UP IN REVERSE WHEN HOT

COMPLAINT: Before or after overhaul, HONDA/ACURA vehicles equipped with the BAXA/B7XA FAMILY transaxle may exhibit a complaint of a tie up in reverse when the vehicle is hot.

CAUSE: One cause may be a worn bushing in the main shaft, or a worn 3rd clutch feed tube in the back cover allowing 4th clutch oil to cross over into the 3rd clutch circuit partially applying the 3rd clutch and causing the tie-up.

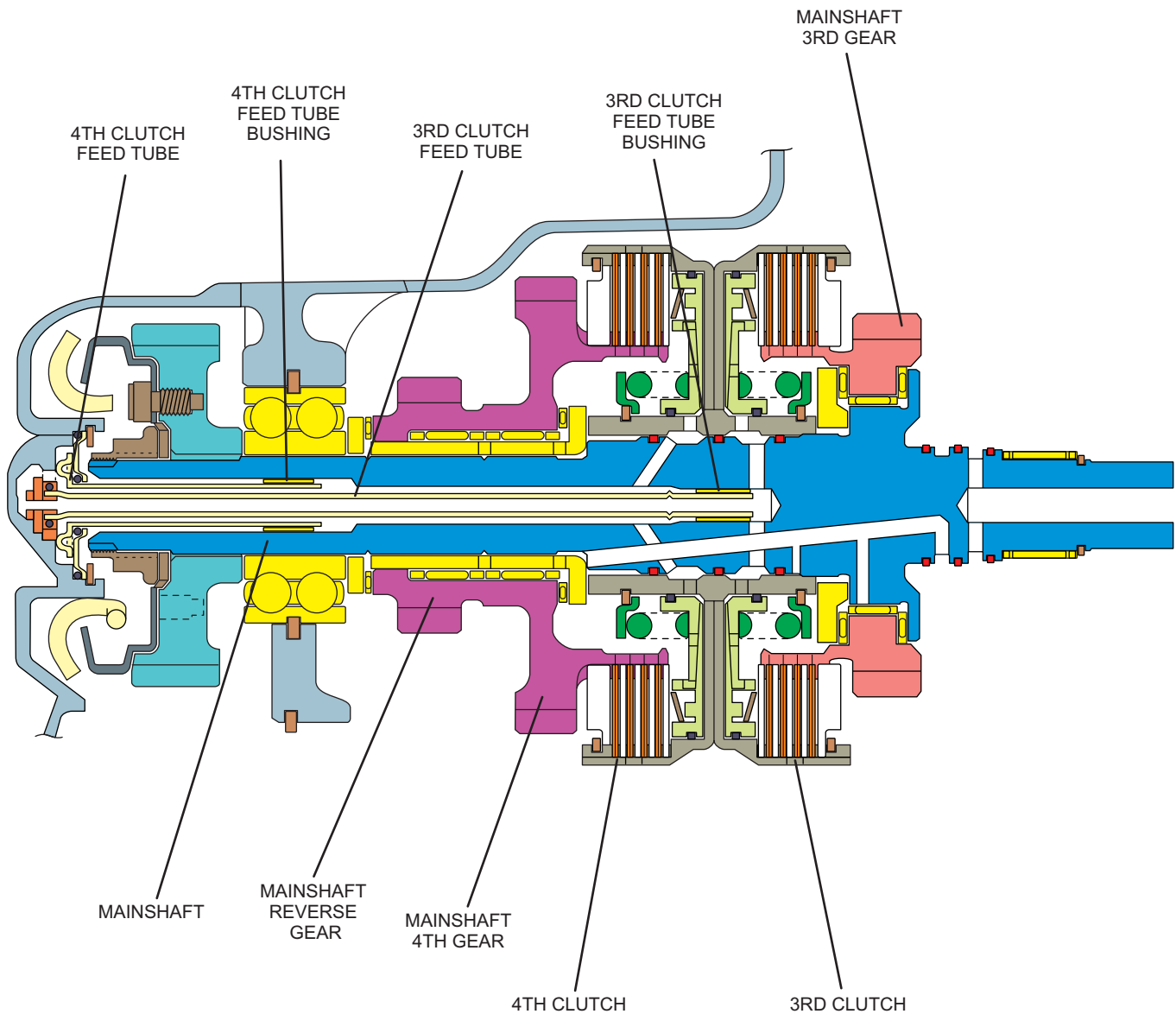
The partial cutaway drawing in figure 1 shows the parts associated with the main shaft including the tubes, bushings, gears, and clutch drum. Refer to the partial cutaway drawing in figure 2. This diagram shows the area of concern within the mainshaft where the cross over leak may occur.

CORRECTION: The best way to check for this condition is to conduct a pressure test on the 3rd clutch pressure tap when the vehicle is “HOT” and the selector is placed into reverse. Refer to figure 3 for pressure tap locations on the transaxle rear cover.

If any pressure is present on the 3rd clutch tap when the selector is placed in the reverse position, it will be necessary to remove the transmission from the vehicle and disassemble so the mainshaft can be replaced. It will be necessary to also inspect the tubes located in the transaxle rear cover. If any wear is present on the 3rd or 4th clutch feed tubes, the rear cover will need to be replaced since the tubes are not serviced separately. Refer to figure 3 for illustration of the mainshaft and the location of the 3rd and 4th clutch feed tubes in the transaxle rear cover.

NOTE: Contact your local parts distributor for bushing replacements and tools.

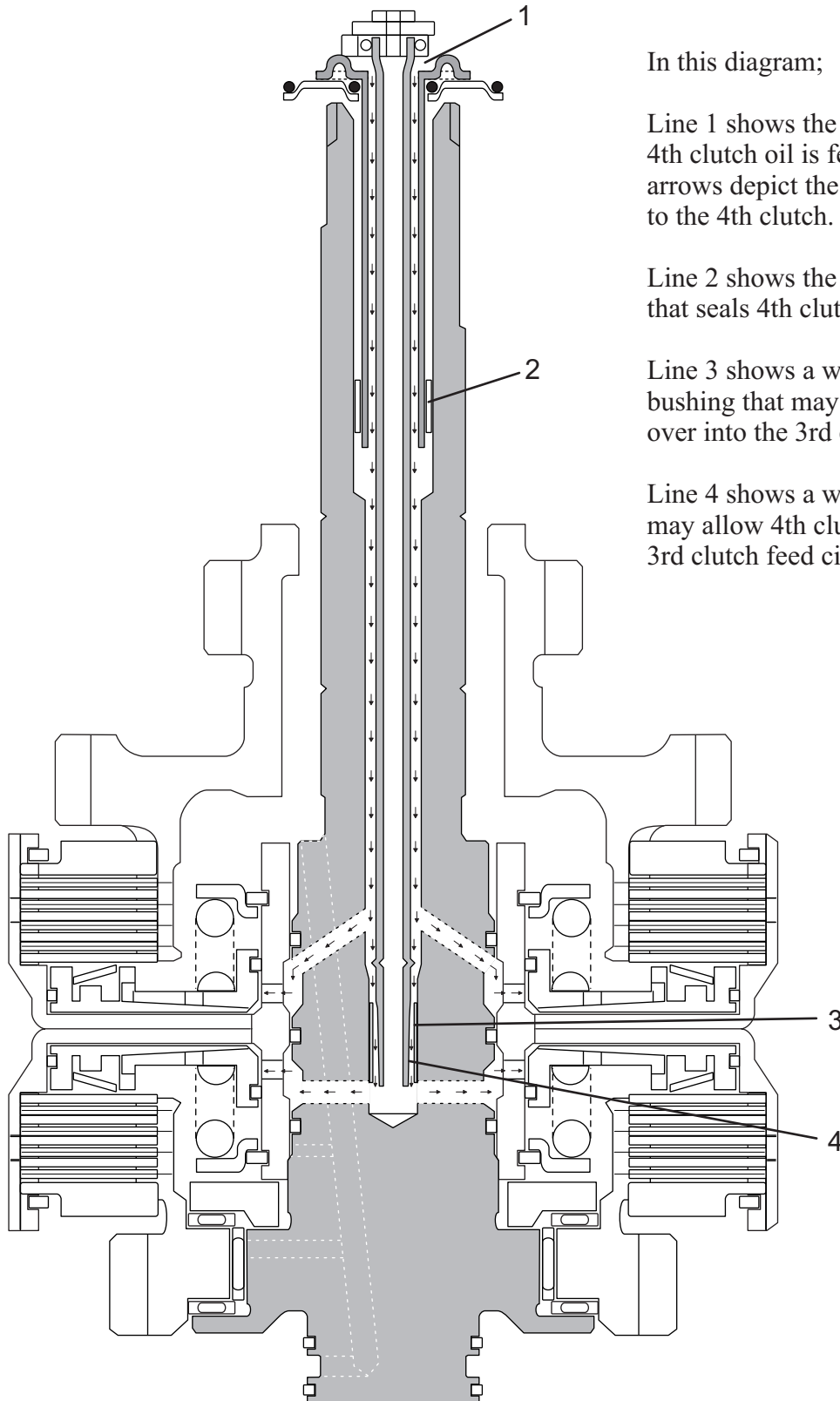
HONDA/ACURA BAXA/B7XA FAMILY PARTIAL CUTAWAY MAINSHAFT PARTS



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Figure 1

HONDA/ACURA BAXA/B7XA FAMILY PARTIAL CUTAWAY CROSS LEAK AREAS



In this diagram;

Line 1 shows the area of the mainshaft where 4th clutch oil is fed into the mainshaft. The arrows depict the direction in which oil flows to the 4th clutch.

Line 2 shows the 4th clutch feed tube bushing that seals 4th clutch oil.

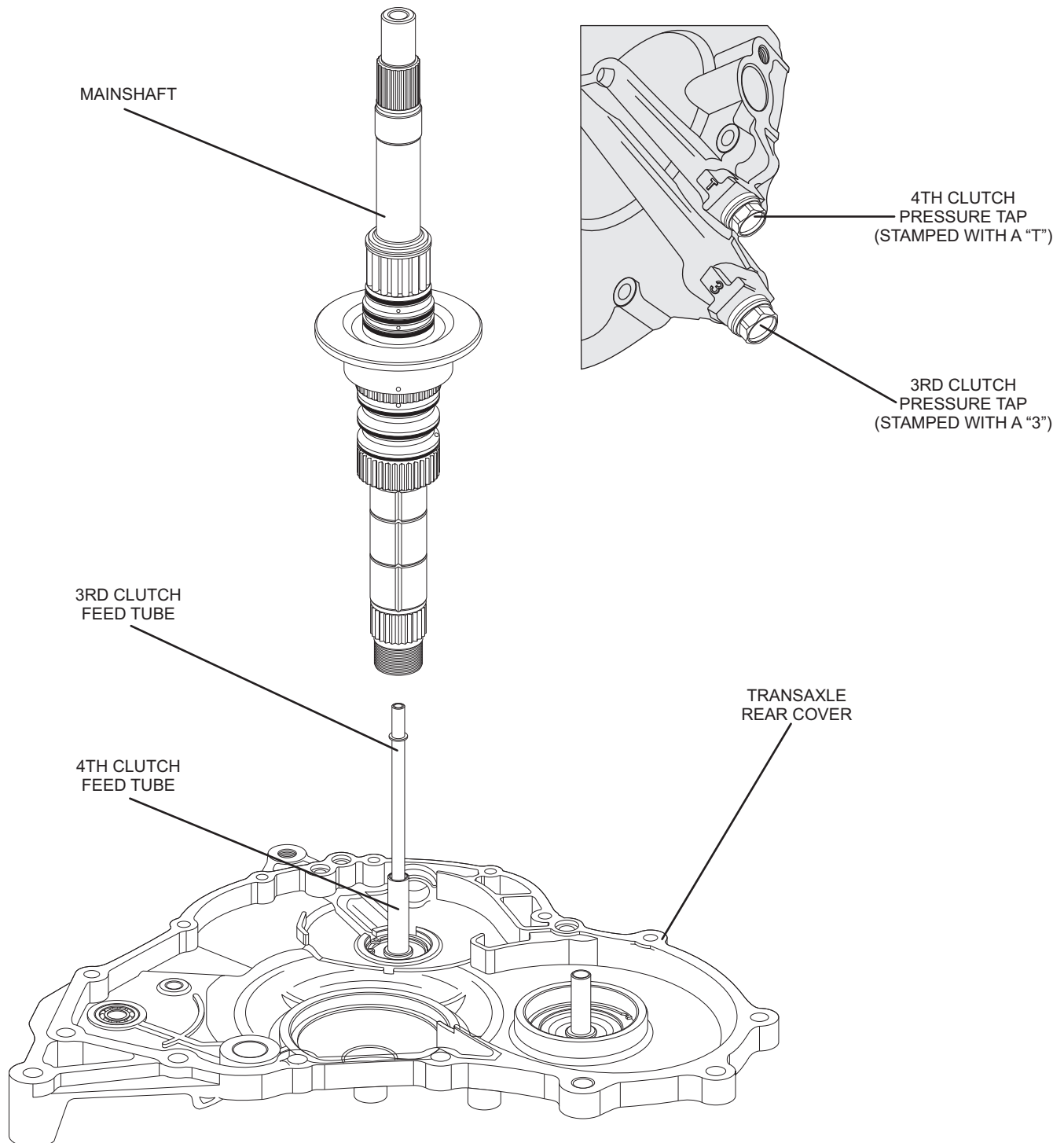
Line 3 shows a worn 3rd clutch feed tube bushing that may allow 4th clutch oil to cross over into the 3rd clutch feed circuit.

Line 4 shows a worn 3rd clutch feed tube that may allow 4th clutch oil to cross over into the 3rd clutch feed circuit.

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Figure 2

HONDA/ACURA BAXA/B7XA FAMILY REAR COVER/MAINSHAFT ILLUSTRATION AND PRESSURE TAP LOCATIONS



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Figure 3