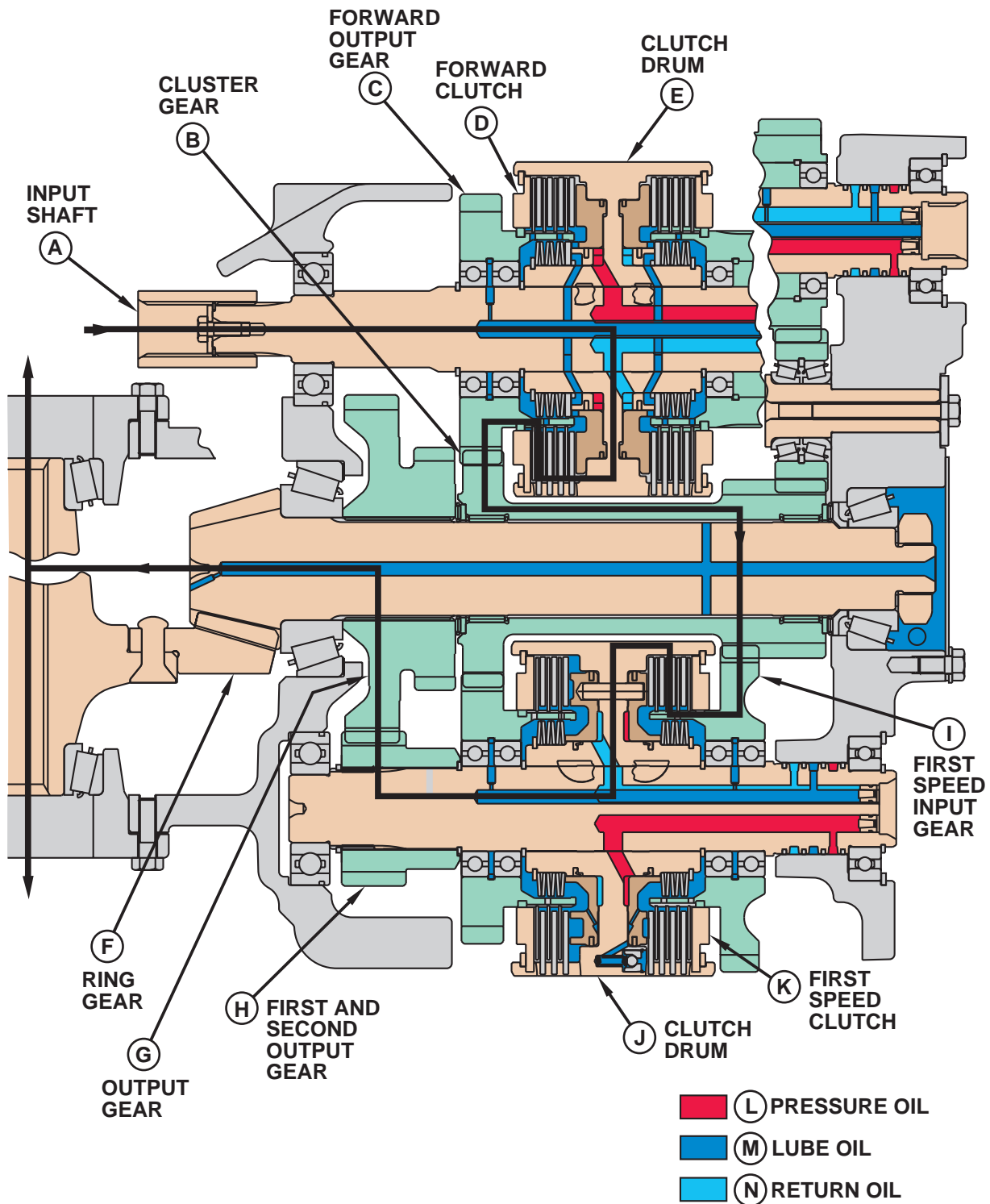


Power Flow—First Speed Forward



⊙ FIRST SPEED FORWARD

TXC8059CP

T8059CP -19-09/JAN98

Continued on next page

TX,9020,YY821 -19-12OCT93-1/2

Theory of Operation

One direction clutch pack and one speed clutch pack must be engaged to have power flow through the transmission. Power enters the input shaft (A). The forward and reverse clutch drum (E) is keyed to the input shaft. Pressurizing the forward clutch (D), locks the gear hub to the drum. The forward output gear (C) is then locked to the input shaft. The forward output gear then turns the idler cluster gear (B). The cluster gear turns the first speed input gear (I).

Pressurizing the first speed clutch (K) locks the first speed input gear (I) to the clutch drum (J). The clutch drum is keyed to the first and second speed shaft. The first and second output gear (H) is splined to the first and second speed shaft. The first and second output gear is in mesh with the larger gear of the output cluster gear (G). The output gear is splined to the output shaft which turns the ring gear (F).

TX,9020,YY821 -19-12OCT93-2/2

9020
05
13