



CHRYSLER 62TE

P0733 THIRD GEAR RATIO/NEUTRAL CONDITION

COMPLAINT: After Overhaul, Chrysler and Dodge vehicles equipped with the 62TE may exhibit gear ratio error in third gear, P0733, then a neutral condition when coming to a stop. Clearing the code or recycling the ignition would get the same condition to happen again during the 2-3 upshift.

CAUSE: The cause may be, that during overhaul, the 2-4 piston retainer was swapped with that of a 41TE. Refer to Figure 2 and see that these piston retainers are identical in every way but the feed hole location. If the 41TE piston retainer is used on a 62TE, there will be no feed to the 2-4 Clutch which will also cause the neutral condition when it goes into limp mode. See the component application chart in Figure 1 and note the information at the bottom of the chart indicating that 3rd gear is failsafe. *Note:* 2011 Red Seminar book also has similar information in it pertaining to the same complaint but the cause is related to putting the 2-4 feed pipe in backwards.

CORRECTION: To correct this condition use the 62TE 2-4 piston retainer.

COMPONENT APPLICATION CHART									
<i>Gear</i>	<i>Underdrive Clutch</i>	<i>2-4 Clutch</i>	<i>Overdrive Clutch</i>	<i>Reverse Clutch</i>	<i>Low-Rev Clutch</i>	<i>Low Clutch</i>	<i>Direct Clutch</i>	<i>Over-run Sprag</i>	<i>Ratio</i>
<i>Reverse</i>				<i>ON</i>	<i>ON</i>	<i>ON</i>			<i>3.215</i>
<i>1st Gear</i>	<i>ON</i>				<i>ON</i>	<i>ON**</i>		<i>Hold</i>	<i>4.127</i>
<i>2nd Gear</i>	<i>ON</i>				<i>ON</i>		<i>ON</i>		<i>2.842</i>
<i>3rd Gear</i>	<i>ON</i>	<i>ON</i>				<i>ON*</i>		<i>Hold</i>	<i>2.284</i>
<i>4th Prime</i>	<i>ON</i>	<i>ON</i>					<i>ON</i>		<i>1.573</i>
<i>4th Gear</i>	<i>ON</i>		<i>ON</i>			<i>ON*</i>		<i>Hold</i>	<i>1.452</i>
<i>5th Gear</i>	<i>ON</i>		<i>ON</i>				<i>ON</i>		<i>1.000</i>
<i>6th Gear</i>		<i>ON</i>	<i>ON</i>				<i>ON</i>		<i>0.689</i>

Note: 3rd Gear is used for "Limp-in Mode".
Note: 4th Prime is used on a 6-4 downshift only to avoid "Double Swap" shift.
*Note: * = Effective on coast only for engine braking.*
*Note: ** = In OD 1st gear, ON at launch, Off at 150 RPM output speed. Always ON in Manual Low.*

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Figure 1

2-4 PISTON AND RETAINER

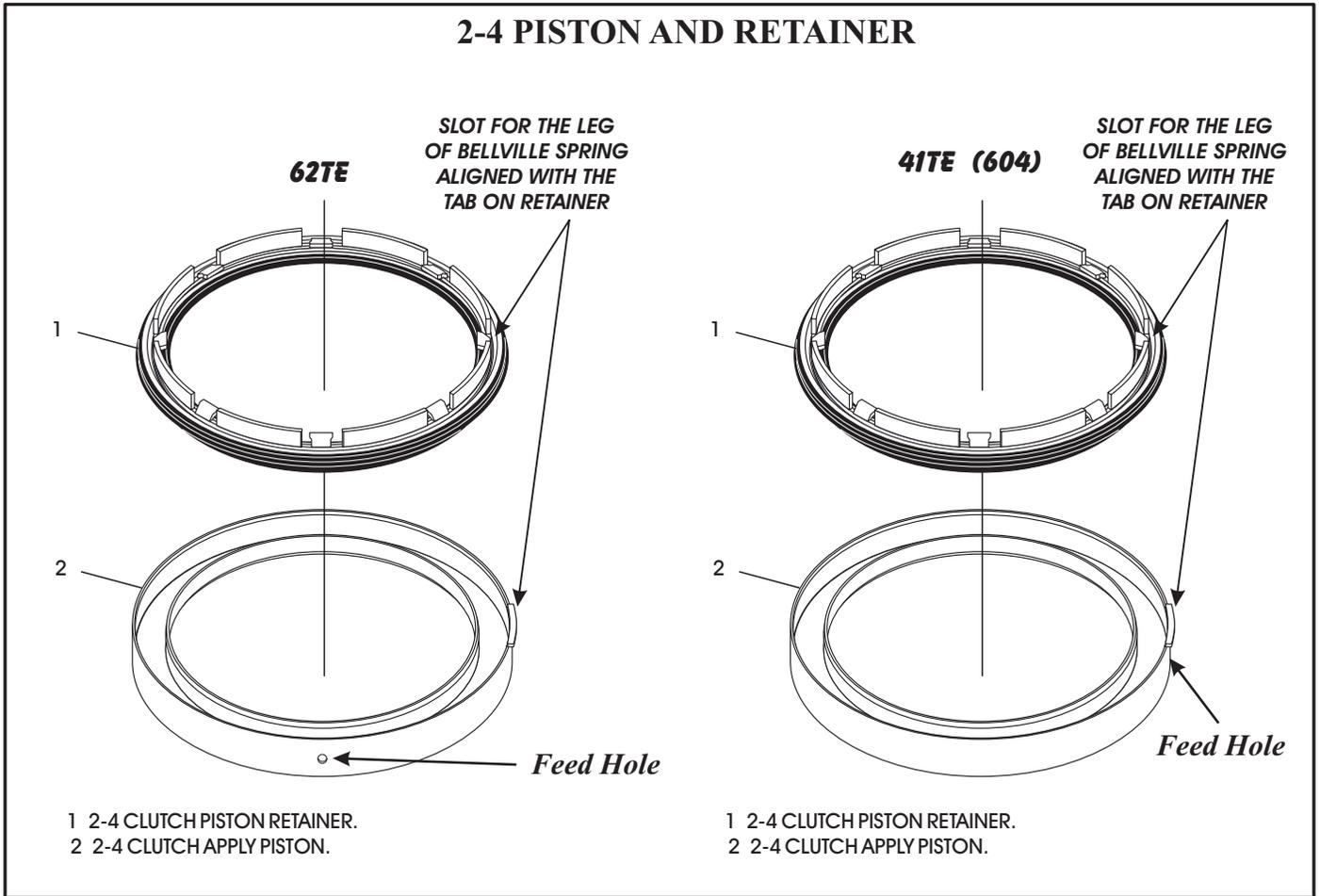


Figure 2