



## 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.

<b>COMPONENT APPLICATION CHART</b>									
<b>Gear</b>	<b>Underdrive Clutch</b>	<b>2-4 Clutch</b>	<b>Overdrive Clutch</b>	<b>Reverse Clutch</b>	<b>Low-Rev Clutch</b>	<b>Low Clutch</b>	<b>Direct Clutch</b>	<b>Over-run Sprag</b>	<b>Ratio</b>
<b>Reverse</b>				<b>ON</b>	<b>ON</b>	<b>ON</b>			<b>3.215</b>
<b>1st Gear</b>	<b>ON</b>				<b>ON</b>	<b>ON**</b>		<b>Hold</b>	<b>4.127</b>
<b>2nd Gear</b>	<b>ON</b>				<b>ON</b>		<b>ON</b>		<b>2.842</b>
<b>3rd Gear</b>	<b>ON</b>	<b>ON</b>				<b>ON*</b>		<b>Hold</b>	<b>2.284</b>
<b>4th Prime</b>	<b>ON</b>	<b>ON</b>					<b>ON</b>		<b>1.573</b>
<b>4th Gear</b>	<b>ON</b>		<b>ON</b>			<b>ON*</b>		<b>Hold</b>	<b>1.452</b>
<b>5th Gear</b>	<b>ON</b>		<b>ON</b>				<b>ON</b>		<b>1.000</b>
<b>6th Gear</b>		<b>ON</b>	<b>ON</b>				<b>ON</b>		<b>0.689</b>
<p><b>Note:</b> 3rd Gear is used for "Limp-in Mode". <b>Note:</b> 4th Prime is used on a 6-4 downshift only to avoid "Double Swap" shift. <b>Note:</b> * = Effective on coast only for engine braking. <b>Note:</b> ** = In OD 1st gear, ON at launch, Off at 150 RPM output speed. Always ON in Manual Low.</p>									
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Figure 1

## 2-4 PISTON AND RETAINER

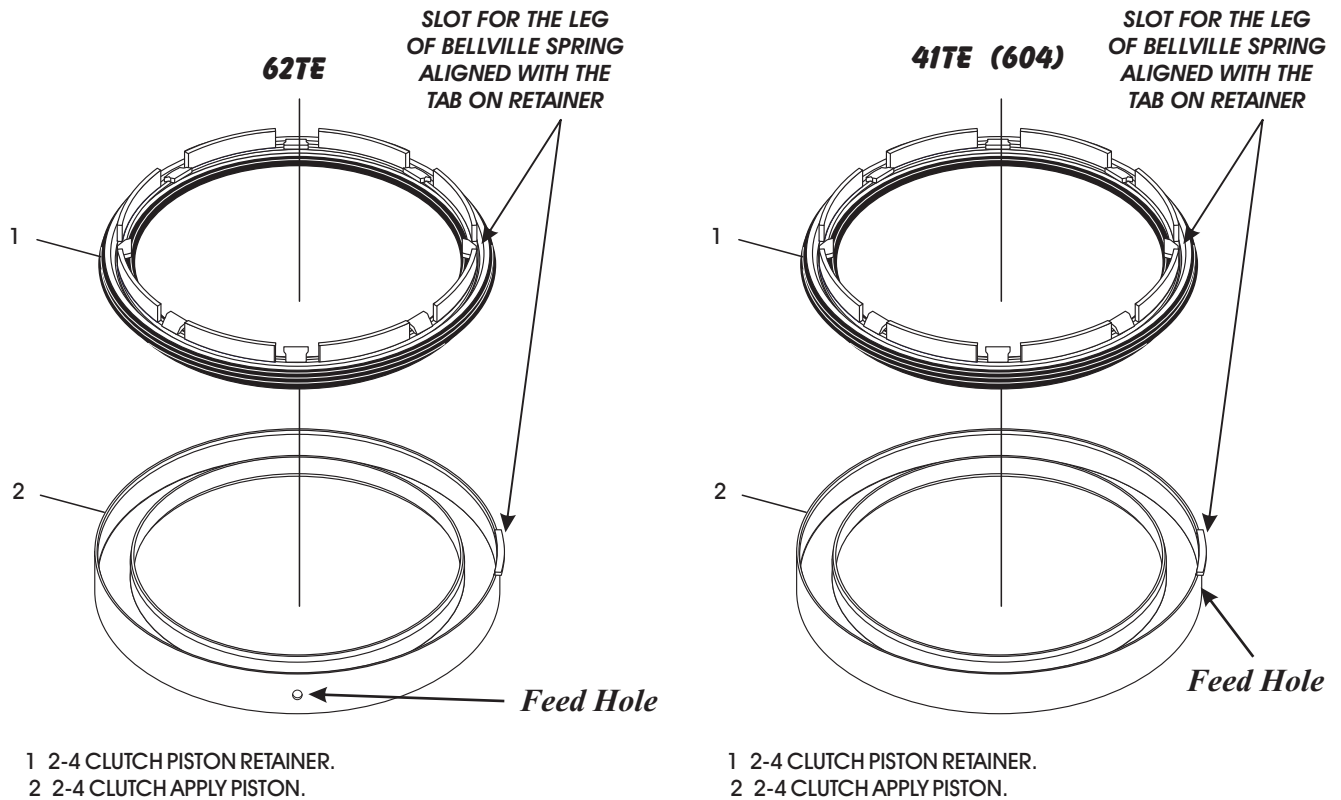


Figure 2