

### TOYOTA U240-E VALVE BODY REPAIR INFORMATION

The Toyota U240-E has numerous sleeves that are prone to wear. The information listed below will show how the sleeve wear can create premature Transmission failure if these sleeves are not replaced. There is also information showing valve and spring locations as well as checkballs and retainers.

Refer to Figure 1 for a cross-sectional view of the Primary Regulator Valve and a brief description of it's operation and potential failures.

Refer to Figure 2 for a cross-sectional view of the Clutch Apply Control Valve and a brief description of it's operation and the potential failures that may be caused by a worn sleeve.

Refer to Figures 3 and 4 for a cross-sectional view of the Lock-up Control Valve and a partial hydraulic schematic of it's operation with the TCC Off and TCC On, and the potential failures that may be caused by a worn sleeve.

Refer to Figure 5 For the location of the Main Regulator Valve and Sleeve.

Refer to Figure 6 For the Lower Valve body retainer and Checkball locations

Refer to Figure 7 For the location of the Clutch Apply Control Valve and Sleeve, and the Lock-up Control Valve and Sleeve.

Refer to Figure 8 For the Upper Valve body retainer and Checkball locations

Refer to Figure 9 for the location of the B1 and C2 Accumulators. Check the pistons and the bores in the Upper Valve Body for wear, repair as necessary.

#### SERVICE INFORMATION:

MAIN REGULATOR BOOST SLEEVE RAV4 (Toyota part number)	35417-28030
MAIN REGULATOR BOOST SLEEVE CAMRY (Toyota part number)	
CLUTCH APPLY CONTROL VALVE SLEEVE (Toyota part number)	
TORQUE CONVERTER CONTROL VALVE SLEEVE (Toyota part number)	
NOTE: VALVES AND SLEEVES ARE NOW AVAILABLE THRU SONNAX AS WELL AS O.E.	

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## PRIMARY REGULATOR BOOST SLEEVE Main Line To Torque circuits From "Reverse" Circuit thru Manual Valve .0391 From Primary Regulator Valve Sleeve Wears Wear in the Boost Sleeve may cause pressure loss in Reverse and or insufficient line pressure rise

Figure 1

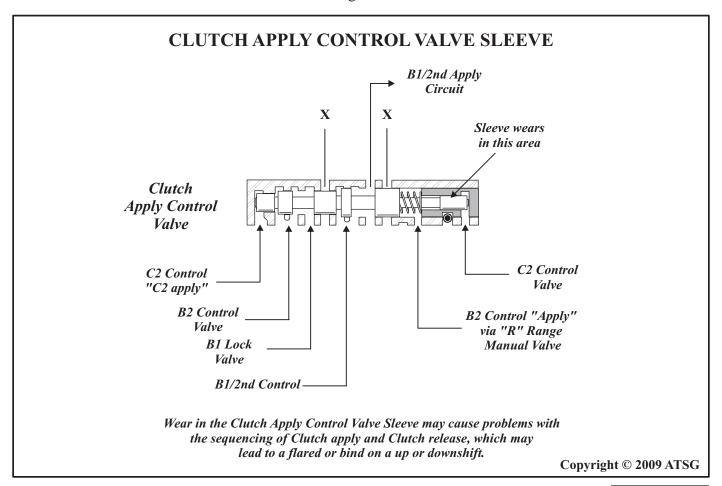


Figure 2

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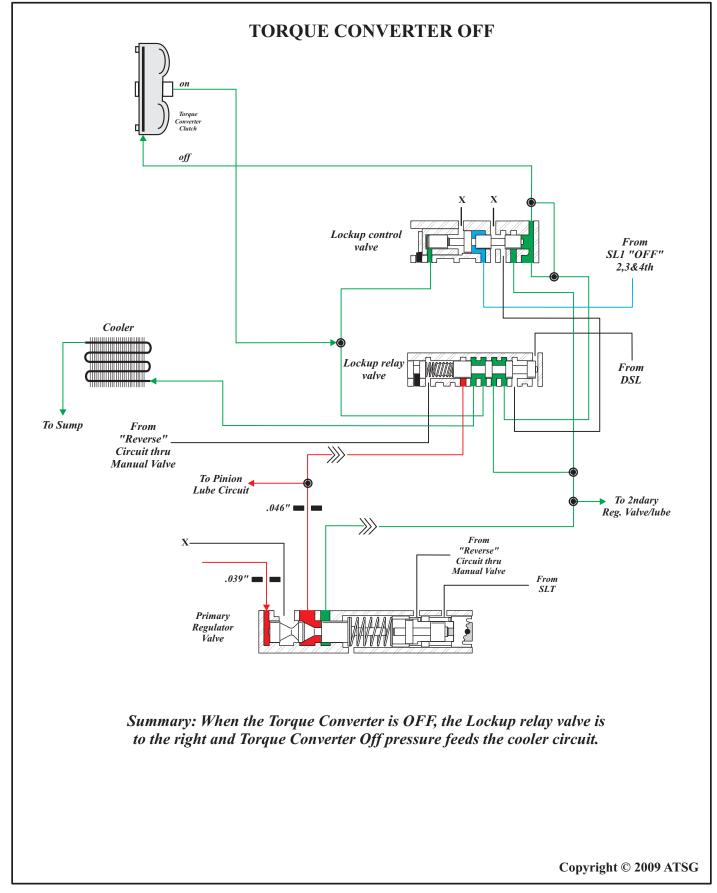


Figure 3



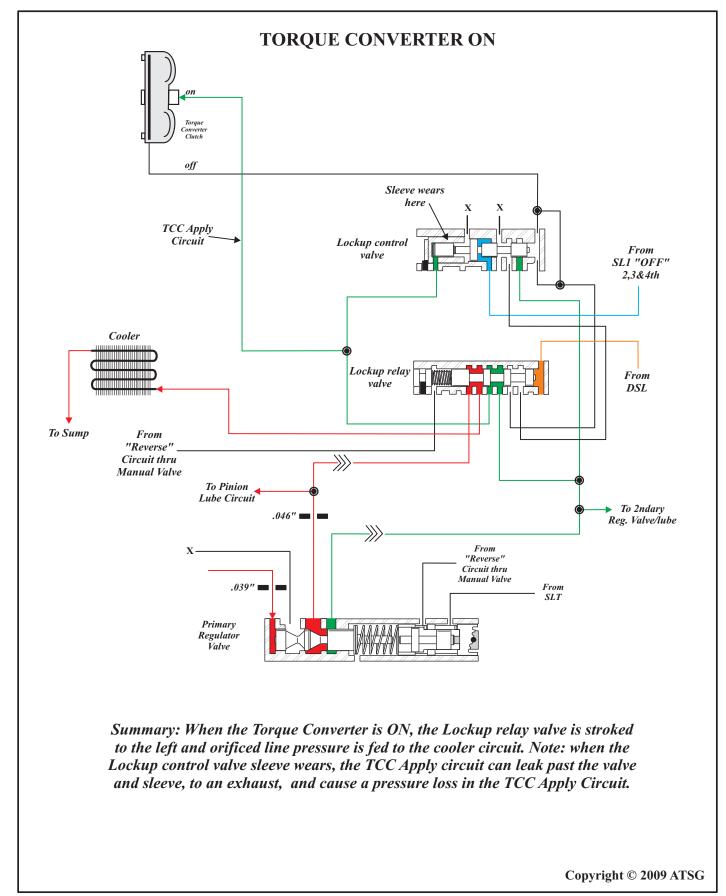
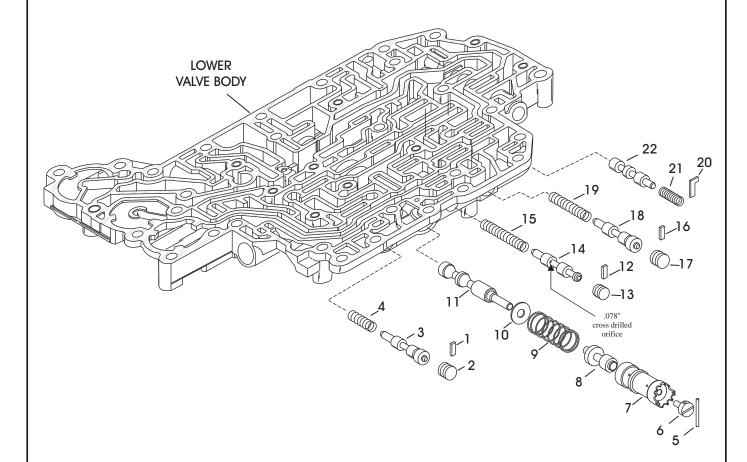


Figure 4



#### LOWER VALVE BODY



## LOWER VALVEBODY LEGEND

- 1. C2 Control Valve retainer
- 2. C2 Control Valve bore plug
- 3. C2 Control Valve
- 4. C2 Control Valve spring
- 5. Main Regulator Valve retainer
- 6. Main Regulator Valve Plug
- 7. Main Regulator Valve Boost Sleeve
- 8. Main Regulator Valve Boost Valve
- 9. Main Regulator Valve Spring
- 10. Main Regulator Valve Spring Seat
- 11. Main Regulator Valve

- 12. B-2 Control Valve retainer
- 13. B-2 Control Valve bore plug
- 14. B-2 Control Valve
- 15. B-2 Control Valve Spring
- 16. B-1 Control Valve retainer
- 17. B-1 Control Valve bore plug
- 18. B-1 Control Valve
- 19. B-1 Control Valve spring
- 20. 3-4 Shift Valve retainer
- 21. 3-4 Shift Valve spring
- 22. 3-4 Shift Valve

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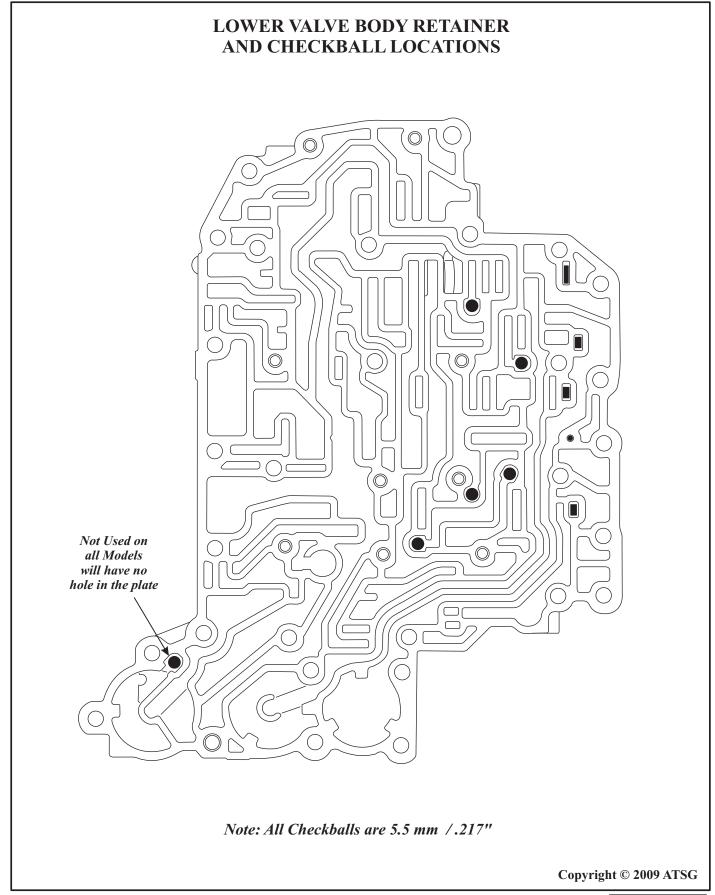


Figure 6

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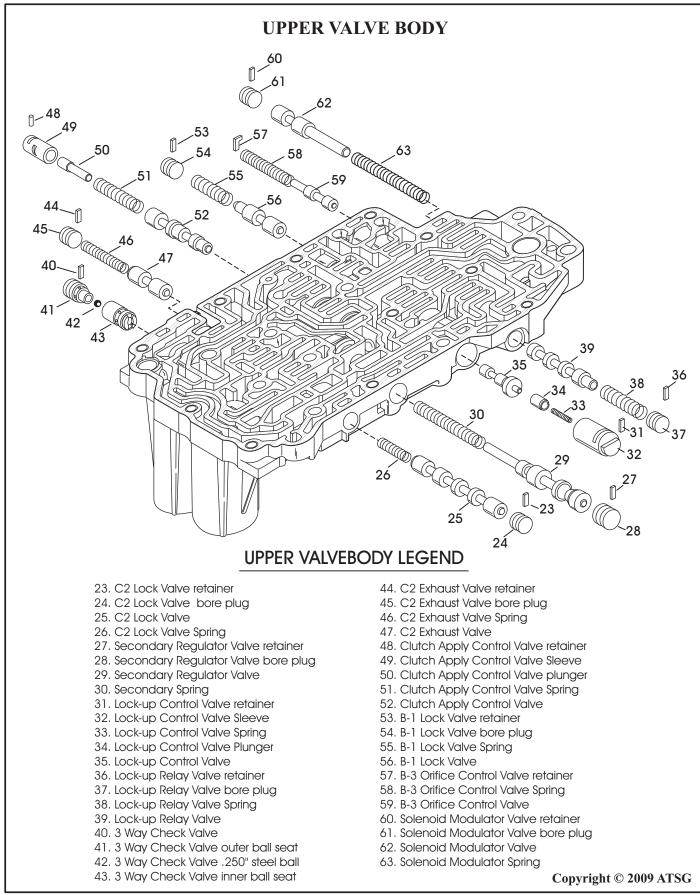
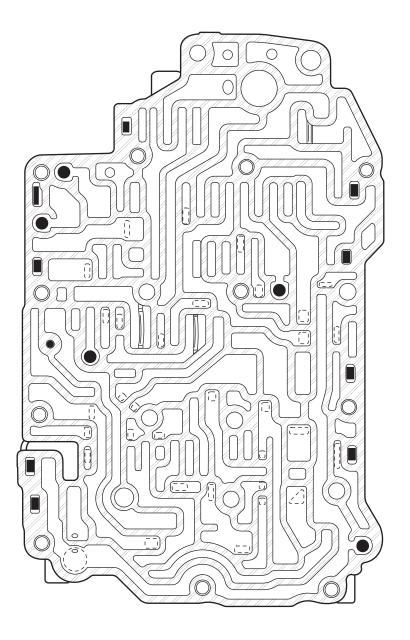


Figure 7

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# UPPER VALVE BODY RETAINER AND CHECKBALL LOCATION



Note: All Checkballs are 5.5 mm /.217"

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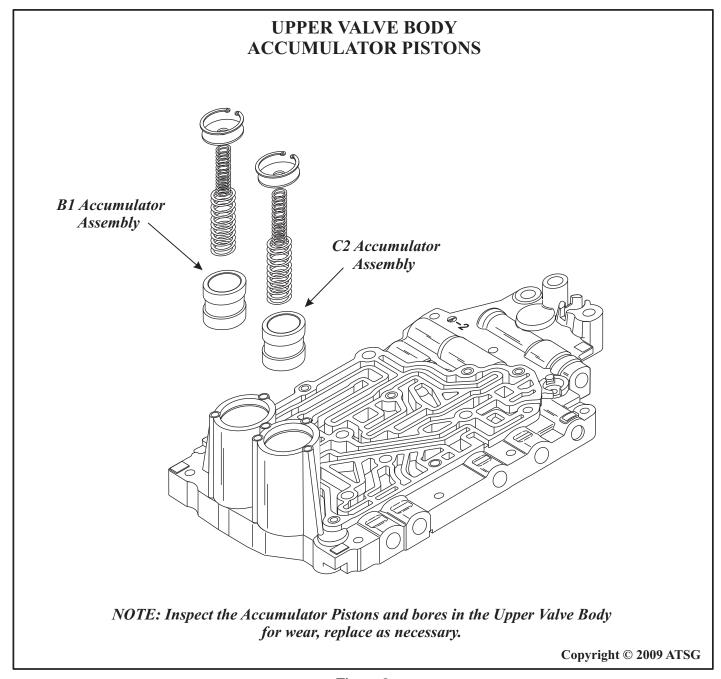


Figure 9