

# SHIFT The 722.3 & 722.4 Kit

TECHNOLOGY PRODUCTS

A DIVISION OF SUPERIOR TRANSMISSION PARTS, INC.

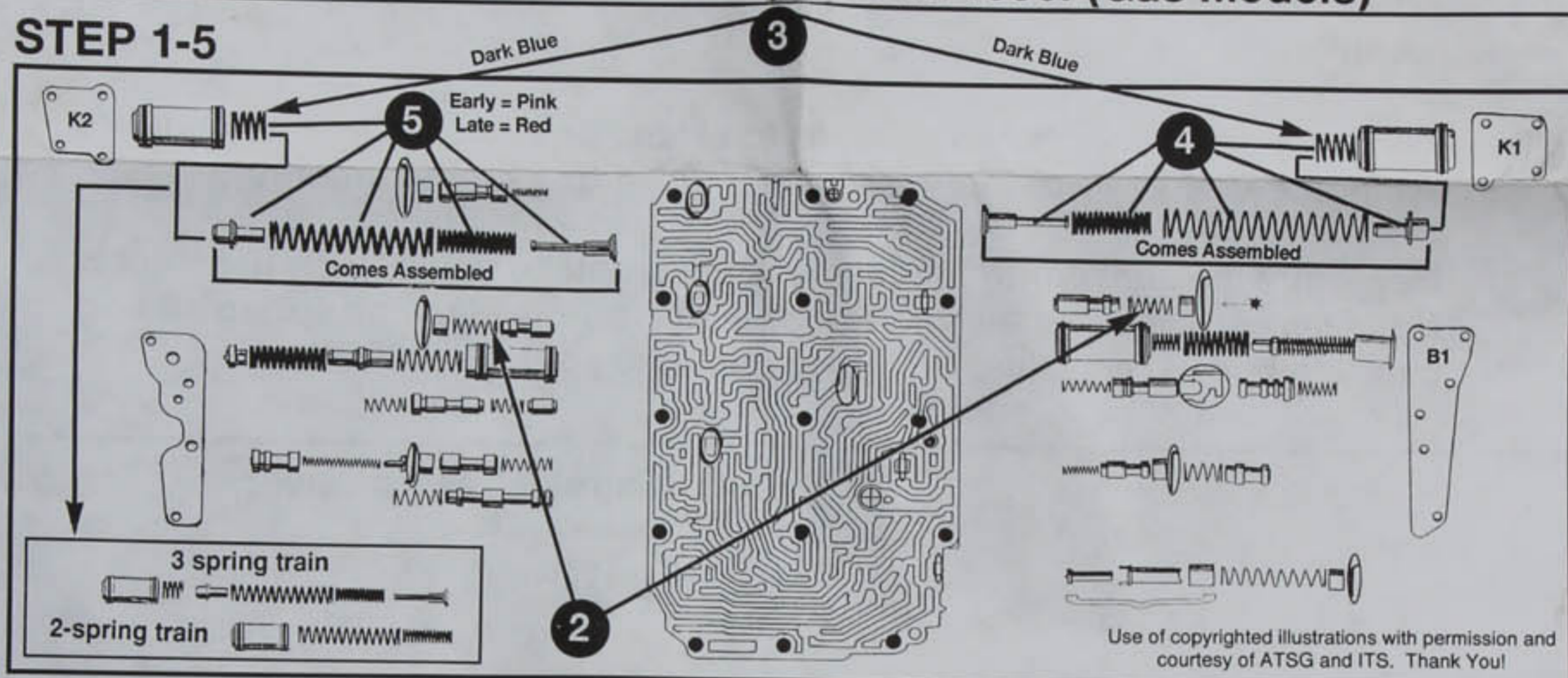
The Simple Solution

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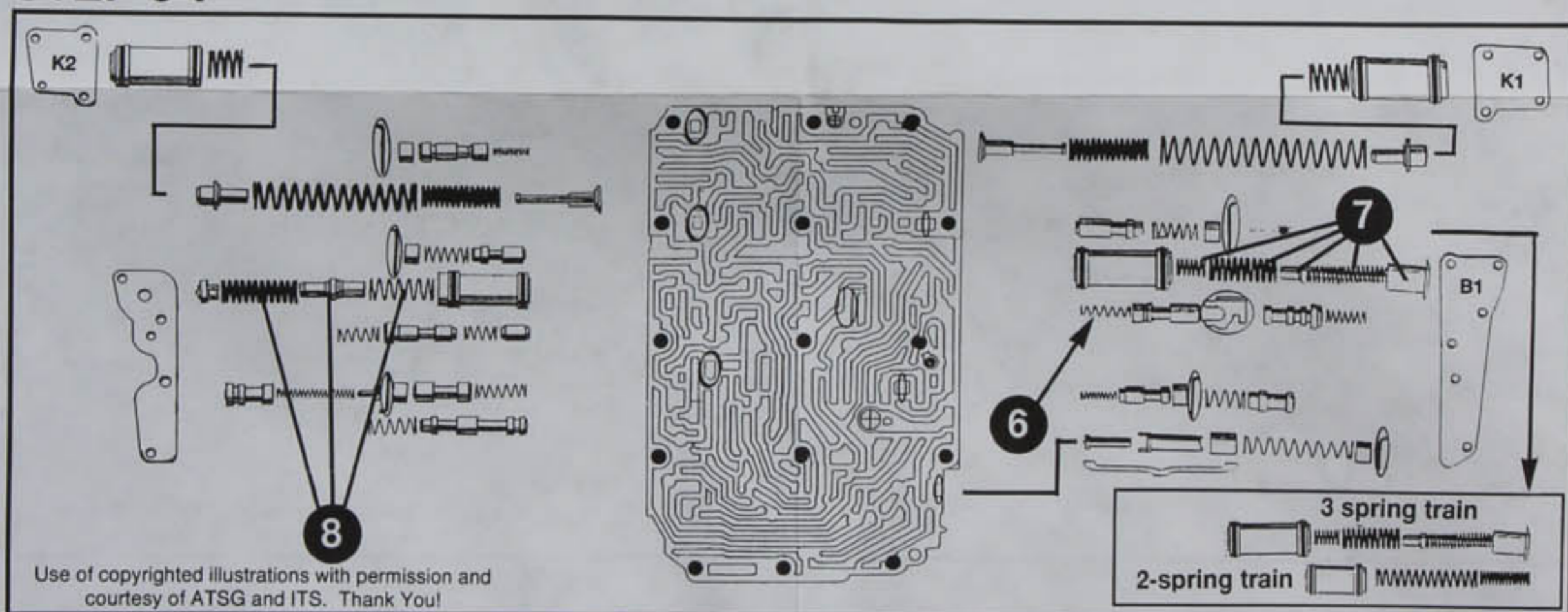
Designed & Engineered by Mario Aristides

This Shift Correction Package Services Early & Late 722.3 & All 722.4 Mercedes Transmissions, 1980 to 1990. (Gas Models)

## STEP 1-5



## STEP 6-7




Total installation of this kit is essential for stabilization of shifts and the flexibility of fine adjustment by the modulator and TV cable

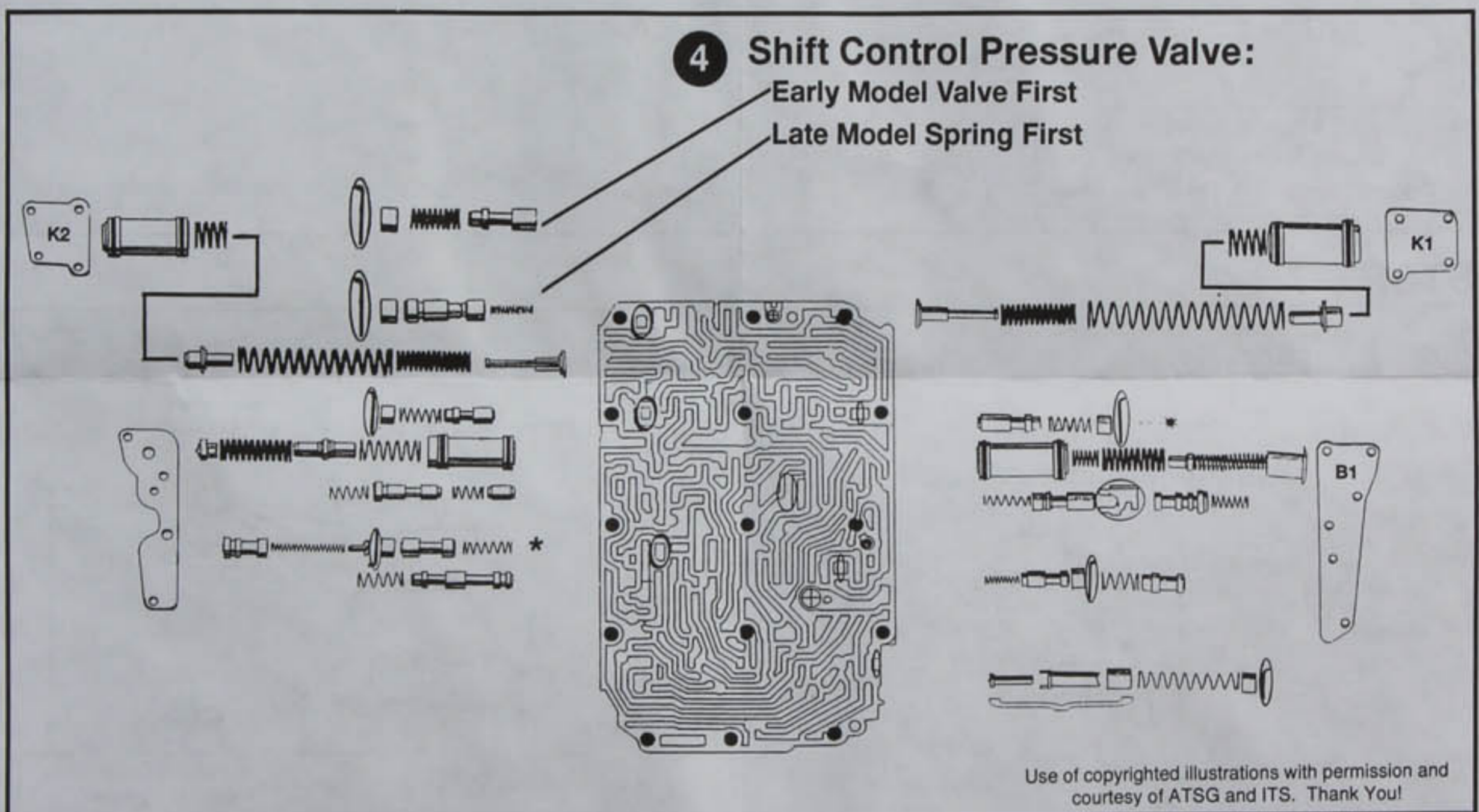
- 1** Remove the valve body from transmission. Remove the two screws that hold the two halves of the valve body and separator plate together. Leave the separator plate covering the thicker valve body to keep the check balls and other miscellaneous parts in place for identification during reassembly.
- 2** **Firming up the 2-3 and 3-4 shifts.** Replace the K1 & K2 accumulator control valve springs with the white springs supplied. **Note:** K1 governs the 2-3 shift. K2 governs the 3-4 shift.
- 3** **Normal Firm Shift.**  
**Three spring trains:** Replace the end spring in the K1 & K2 accumulators with one of the larger dark blue springs supplied.  
**Late 722.3 and all 722.4:** Replace the complete **2 Spring Train** in K2 with the single red spring supplied. (Save the original inner spring for option in Step 5.)
- 4** **To firm up 2-3 shift even more.** Replace the complete spring train (2 or 3 springs and plastic or steel pins) in the K1 accumulator with the purple spring supplied.
- 5** **To firm up 3-4 shift even more.** (Early 722.3 model):  
Replace the complete spring train (3 springs and plastic or steel parts) in the K2 accumulator with the pink spring supplied.  
(Late 722.3 and all 722.4 models):  
In K2 install the original inner spring inside the red spring installed in Step 3.
- 6** **For Softer 1-2 Shift.** Replace the B1 accumulator control valve spring as follows:  
Early 722.3 - Yellow  
Late 722.3 & 722.4 - Plain Finish
- 7** Replace the complete B1 accumulator spring train (2 or 3 springs and plastic pin & cap) with the orange spring supplied.
- 8** **For Even Softer 1-2.** Use the light blue spring supplied in place of the 2 springtrain and plastic at center.  
**Note:** The K1 (2-3 shift) and B-1 (1-2 shift) accumulators face the front of the car. Changing springs in the K1 and B1 accumulators after installation of this kit is possible without having to drop the valve body.

Whenever disassembling a Mercedes valve body, never use sharp or metal objects for removal of valve body valves or components. Never use abrasives such as sand paper or emery paper to polish or clean valves or any other component in the valve body. Always use solvent and your fingers to free valves & parts.



# HELPFUL INFORMATION

- 1 A small spring loaded check valve may fall from the accumulator valve body during disassembly. If this happens install it with the side of the uninterrupted ring facing the plate. 
- 2 After installing the kit you can fine tune shift feel by adjustment of the modulator.
- 3 T.V. Cable adjustments can be made to extend or shorten shifts to builders preference. Note: The 722.4 is very sensitive to T.V. adjustments.
- 4 Make sure the shift control pressure valve is able to move freely in its bore. Note: On early models the valve goes in first followed by the spring sliding over the end of the valve. On late models the spring goes in first.



# SHIFT

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