

# WELLER

## About the JR403E Transmissions

### The inside:

The JR403E is built by JATCO (Japanese Automatic Transmission Company). The JR403E is JATCO's first and last medium duty transmission. It is a 4 speed transmission with a Lock Up clutch in the torque converter. The JR403E is completely controlled by the trucks transmission computer, or TCM (Transmission Control Module). The computer controls the oil pressure inside the transmission, all of the transmission shift points and engages the Lock Up clutch in the torque converter.

### How the Japanese do it:

In the US an Allison AT545 in a Blue Bird school bus is going to have the same main case as an AT545 in an International dump truck. That is not how the Japanese do things. The JR403E is found in the GMC, Isuzu, UD, and Mitsubishi trucks. The internal components of the transmission are the same for every manufacture, but the external parts are all different. These differences include converter housings, tail housing, wire harnesses, mounting holes and the front cover on the torque converter. JATCO adapts the transmission to the manufactures needs. That is why there are so many versions of the same transmission.

### Models:

JR403E	Isuzu/GMC TRUCK
RE4R03A	UD450-43LE
MO30A4	MITSUBISHI