

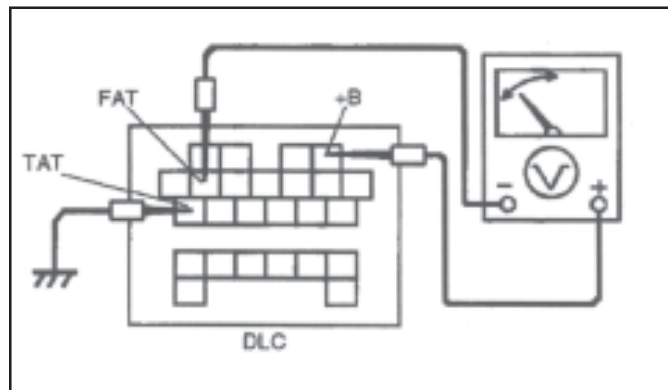
## Manually Pulling Transmission Codes 2002-2005 Mazda MPV

The JF506E transmission codes can be retrieved with an analog volt meter using the under hood data link connector, **See Illustration 1.**

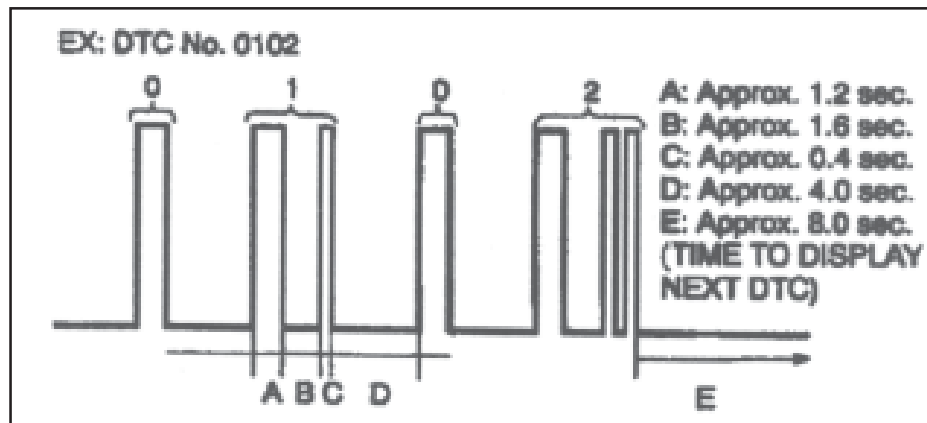
- Be sure that the ignition is off.
- Using a jumper wire, ground the TAT pin.
- Connect the positive lead of the voltmeter to the B+ pin.
- Connect the negative lead of the voltmeter to the FAT pin.

To read the codes:

1. Turn ignition switch on.
2. The voltmeter should read battery voltage for three seconds, then go to zero volts before indicating any codes.
3. If any codes are present, the four-digit code will be indicated by the needle of the analog voltmeter, **See Illustration 2.**
4. If the needle does not move, there are no codes present.



*Illustration 1*



*Illustration 2*

**continued...**



## Mazda FWD JF506E Manually Pulling Transmission Codes

DTC #	Condition	MIL	O/D OFF Indicator Light Flashes	DC	Monitor Item	Memory Function
P0705	Transaxle range (TR) switch circuit malfunction (power short circuit)	ON	YES	2	CCM	X
P0706	Transaxle range (TR) switch circuit malfunction (Open/ground short circuit)	ON	YES	2	CCM	X
P0711	Transaxle fluid temperature (TFT) sensor malfunction (Stuck)	ON	NO	2	CCM	X
P0712	Transaxle fluid temperature (TFT) sensor circuit malfunction (short circuit)	ON	YES	2	CCM	X
P0713	Transaxle fluid temperature (TFT) sensor circuit malfunction (open circuit)	ON	YES	2	CCM	X
P0715	Input/turbine speed sensor circuit malfunction	ON	YES	2	CCM	X
P0720	Vehicle speedometer sensor (VSS) circuit malfunction	ON	YES	2	CCM	X
P0740	Torque converter clutch (TCC) system malfunction	ON	NO	2	CCM	X
P0743	Torque converter clutch (TCC) solenoid valve circuit malfunction	ON	YES	1	CCM	X
P0748	Pressure control solenoid circuit malfunction	OFF	YES	-	CCM	X
P0751	Shift solenoid A malfunction (stuck off)	ON	NO	2	CCM	X
P0752	Shift solenoid A malfunction (stuck on)	ON	NO	2	CCM	X
P0753	Shift solenoid A circuit malfunction (open/short)	ON	YES	1	CCM	X
P0756	Shift solenoid B malfunction (stuck off)	ON	NO	2	CCM	X
P0757	Shift solenoid B malfunction (stuck on)	ON	NO	2	CCM	X
P0758	Shift solenoid B circuit malfunction (open/short)	ON	YES	1	CCM	X
P0761	Shift solenoid C malfunction (stuck off)	ON	NO	2	CCM	X
P0762	Shift solenoid C malfunction (stuck on)	ON	NO	2	CCM	X
P0763	Shift solenoid C circuit malfunction (open/short)	ON	YES	1	CCM	X
P0768	Reduction timing solenoid valve circuit malfunction (open/short)	OFF	YES	-	CCM	X
P0773	Neutral shift solenoid valve circuit malfunction (open/short)	OFF	YES	-	CCM	X
P0778	2-4 brake solenoid valve circuit malfunction (open/short)	OFF	YES	-	CCM	X
P0791	Intermediate sensor circuit malfunction (open/short)	ON	YES	2	CCM	X
P0798	High clutch solenoid valve circuit malfunction (open/short)	OFF	YES	-	CCM	X
P1710	GND return circuit malfunction	OFF	NO	-	OTHER	X
U0073	CAN BUS OFF	ON	YES	1	CCM	X
U0100	TCM can not receive any signals from PCM	ON	YES	1	CCM	X