АКРРНЕLP.RU Руководство по ремонту АКПП



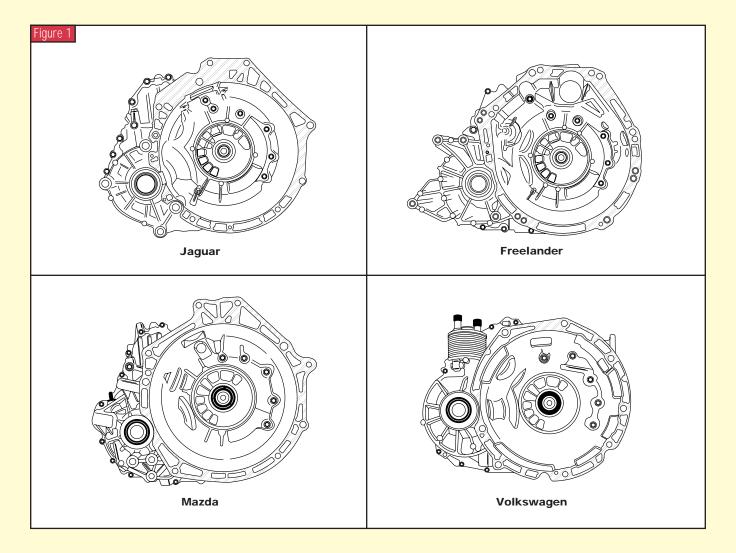
The JF506E, Part 1

Transmission Co. (JATCO) said, "You show us your engine and car body and we will make a five-speed transmission to fit it. And BAM! There was the JF506E in the Mazda MPV and 6; Volkswagen Jetta, Gulf and GTI; Jaguar; and Land Rover Freelander (see Figure 1).

JATCO even let vehicle manufacturers tweak the computer to do things with the transmission in their cars that it will not do in those of other automakers. Mazda wanted to be so different that it even has slightly different solenoid operation and configuration.

Each of these manufacturers has different harness connectors, making it a bit difficult to figure out how to do resistance checks externally. But with this supplement, you have all four models with solenoid-pin identification and specification in one place to make this task a bit easier.

For electrical checks on Mazda vehicles, refer to figures 2 through 5. For electrical checks on the Land Rover Freelander, refer to figures 6 and 7. Refer to figures 8 and 9 for Volkswagen and figures 10 through 13 for Jaguar X-type.



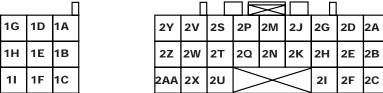
AKPPHELP.RU Руководство по ремонту АКПП

Technical Supplement

Figure 2	Transm	ission Connector ID			
	2004	4 Mazda 6 3.0L (AJ)			
8 1 3 5					
	External Transmission	1 & 2 = Turbine-shaft speed sensor		(513 to 627 ohms)	
	Harness Connector	3 & 4 = Intermediate-shaft speed sensor		(513 to 627 ohms)	
	H2-06	5 & 6 = Output-shaft speed sensor		(513 to 627 ohms)	
		7 & 8 = Temperature sensor		(Refer to page 9)	
	External Transmission	9 & 10 = Neutral shift solenoid		(14 to 18 ohms)	
	Harness Connector	9 & 11 = TCC solenoid		(12 to 13.2 ohms)	
	H2-03	9 & 12 = 2/4-brake solenoid		(2.6 to 3.2 ohms)	
		9 & 13 = High-clutch solenoid		(2.6 to 3.2 ohms)	
		9 & 14 = Shift solenoid C		(14 to 18 ohms)	
		9 & 15 = Reduction timing solenoid		(14 to 18 ohms)	
		9 & 16 = Shift solenoid B		(14 to 18 ohms)	
		9 & 17 = Shift solenoid A		(14 to 18 ohms)	
9 16 18 12		9 & 18 = Pressure-control solenoid		(2.6 to 3.2 ohms)	
	Trancm	ission Connector ID			
		4 Mazda MPV (3.0L)			
	200-				
		rhing Shaft Speed Sonsor	(512)	o 627 ohms)	
ACEO				513 to 627 ohms) 513 to 627 ohms)	
	┫║ ┝━━━━━			(513 to 627 ohms)	
BDFF	· I II		·	,	
		mperature Sensor	(Rele	r to page 9)	
External Connect	or 2				
	10 4-04	braka calanaid	(2 4 +		
		J & A= 2/4-brake solenoid		(2.6 to 3.2 ohms)	
ACEGI		K J & B = TCC solenoid		(12 to 13.2 ohms)	
B D F H J	L J & C = High-clutch solenoid		(2.6 to 3.2 ohms)		
	J & D = Pressure-control solenoid		(2.6 to 3.2 ohms)		
External Connecto	J & E = Reduction timing solenoid		(14 to 18 ohms)		
	J & F = Shift solenoid C		(14 to 18 ohms)		
		ift solenoid B	1.	0 18 ohms)	
				(14 to 18 ohms)	
	J & I = Shit	ft solenoid A	(14 to	o 18 ohms)	
Figure 3	TC	M Terminal ID			
		Nire-Harness Connector			

 \oplus

View of Wire-Harness Connector 2004 Mazda 3.0L (AJ) 2004 Mazda MPV 3.0L \geq Π Γ



Transmission Digest

1M 1J

> 1K 1H

> > 11

1S 1P

1T 1Q 1N

1V

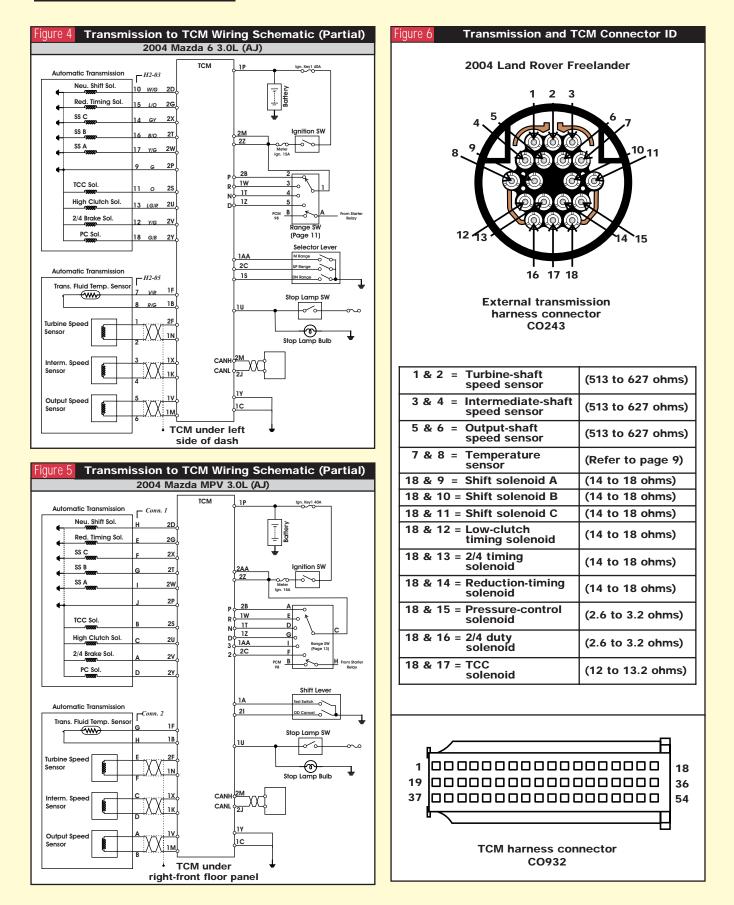
1AA 1X 1U

1Y

1Z 1W

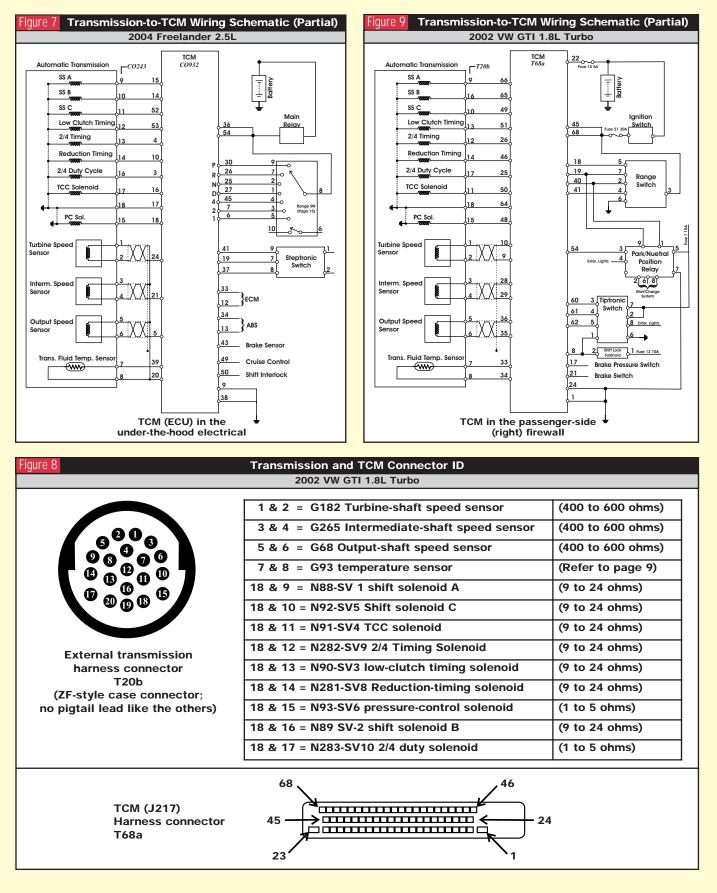
АКРРНЕLР.RU Руководство по ремонту АКПП

Technical Supplement



АКРРНЕLP.RU Руководство по ремонту АКПП

Technical Supplement



АКРРНЕLР.RU Руководство по ремонту АКПП

Technical Supplement

Figure 10		Figure 11 Transmission-to-TCM Wiring Schematic (Partia	
2004 Jag X Type Transı Harness Con JB155	mission nector	2004 Jaguar X Type 16-Bit TCM Automatic Transmission JB155 SS A 9 SS B Ion Low Clutch Timing 2/4 Timing 13	
10 20 20 Refer to pages 2 for wiring diagram for TCM-conner	ns and 25	Reduction Timing 14 10 2/4 Duty Cycle 16 3 TCC Solenoid 17 16 Turbine Speed 1 1 44 Sensor 2 2 2 2 2 2 2 2 3 2 3 0 2 2 3 0 2 3 0 2 3 0 2 3 0 2 3 0 2 3 0 2 3 0 2 3 0 2 3 0 2 3 0 2 3 0 2 3 0 0 3 0 0 0 0 0 0 0 0 0 0	
1 & 2 = Turbine-shaft speed sensor	(513 to 627 ohms)	Trans. Fluid Temp. Sensor Trans. Fluid Temp. Sensor 8 20 7 39 8 20 7 39 7 38 7 38 7 38 7 5 7 5 7 5 7 5 7 5 7 5 7 5 7 5	
3 & 4 = Intermediate-		(left) kick panel	
shaft speed sensor	(513 to 627 ohms)	Figure 12 Transmission-to-TCM Wiring Schematic (Partia 2004 Jaguar X Type 32-Bit TCM	
	(513 to 627 ohms) (513 to 627 ohms)	2004 Jaguar X Type 32-Bit TCM	
sensor 5 & 6 = Output-shaft		2004 Jaguar X Type 32-Bit TCM Automatic Transmission JB155 SS A 9 11 SS B 10 12 SS C 11 20	
sensor 5 & 6 = Output-shaft speed sensor 7 & 8 = Temperature	(513 to 627 ohms)	Automatic Transmission SS A 9 11 SS B 10 12 12 12 12 12 12 12 12 12 12	
sensor 5 & 6 = Output-shaft speed sensor 7 & 8 = Temperature sensor	(513 to 627 ohms) (Refer to page 9)	Automatic Transmission SSA 9 11 SSB 10 12 12 12 12 12 12 12 12 12 12	
sensor 5 & 6 = Output-shaft speed sensor 7 & 8 = Temperature sensor 18 & 9 = Shift Solenoid A	(513 to 627 ohms) (Refer to page 9) (14 to 18 ohms)	$\begin{array}{c c c c c c c c c c c c c c c c c c c $	
sensor 5 & 6 = Output-shaft speed sensor 7 & 8 = Temperature sensor 18 & 9 = Shift Solenoid A 18 & 10 = Shift Solenoid B	(513 to 627 ohms) (Refer to page 9) (14 to 18 ohms) (14 to 18 ohms)	2004 Jaguar X Type 32-Bit TCM Automatic Transmission JB155 SS A 9 11 SS A 9 11 SS B 10 12 Low Clutch Timing 12 8 2/4 Timing 13 21 Reduction Timing 14 7 2/4 Duty Cycle 16 2 NO 366 2 0 B 4 3 C Sol. 15 1	
sensor 5 & 6 = Output-shaft speed sensor 7 & 8 = Temperature sensor 18 & 9 = Shift Solenoid A 18 & 10 = Shift Solenoid B 18 & 11 = Shift Solenoid C 18 & 12 = Low Clutch	(513 to 627 ohms) (Refer to page 9) (14 to 18 ohms) (14 to 18 ohms) (14 to 18 ohms)	2004 Jaguar X Type 32-Bit TCM Automatic Transmission JB155 SA 9 11 SS B 10 12 SS C 10 12 SS C 11 20 Low Clutch Timing 12 8 2/4 Timing 13 21 Reduction Timing 14 7 2/4 Duty Cycle 16 2 V 18 4 PC Sol. 15 1 11 23 20 Range Sensor 2 38 27 14	
sensor 5 & 6 = Output-shaft speed sensor 7 & 8 = Temperature sensor 18 & 9 = Shift Solenoid A 18 & 10 = Shift Solenoid B 18 & 11 = Shift Solenoid C 18 & 12 = Low Clutch Timing Solenoid 18 & 13 = 2/4 Timing	(513 to 627 ohms) (Refer to page 9) (14 to 18 ohms) (14 to 18 ohms) (14 to 18 ohms) (14 to 18 ohms)	$\begin{array}{c c c c c c c c c c c c c c c c c c c $	
sensor 5 & 6 = Output-shaft speed sensor 7 & 8 = Temperature sensor 18 & 9 = Shift Solenoid A 18 & 10 = Shift Solenoid B 18 & 11 = Shift Solenoid C 18 & 12 = Low Clutch Timing Solenoid 18 & 13 = 2/4 Timing Solenoid 18 & 14 = Reduction	(513 to 627 ohms) (Refer to page 9) (14 to 18 ohms) (14 to 18 ohms) (14 to 18 ohms) (14 to 18 ohms) (14 to 18 ohms)	2004 Jaguar X Type 32-Bit TCM CM Automatic Transmission JB155 SS A 9 11 SS A 9 11 SS B 10 12 Low Clutch Timing 12 8 2/4 Timing 13 21 Reduction Timing 14 7 2/4 Duty Cycle 16 2 No 36 2 0 Roder ton Timing 12 3 Tock Solenoid 17 3 Turbine Speed 2 2 Interm. Speed 3 44 Mathematic Speed 3 44	
sensor 5 & 6 = Output-shaft speed sensor 7 & 8 = Temperature sensor 18 & 9 = Shift Solenoid A 18 & 10 = Shift Solenoid B 18 & 11 = Shift Solenoid C 18 & 12 = Low Clutch Timing Solenoid 18 & 13 = 2/4 Timing Solenoid 18 & 14 = Reduction Timing Solenoid 18 & 15 = Pressure-	(513 to 627 ohms) (Refer to page 9) (14 to 18 ohms) (14 to 18 ohms)	2004 Jaguar X Type 32-Bit TCM Automatic Transmission JB155 TCM SS A 9 SS B 10 SS C 11 SS C 11 Low Clutch Timing 12 Reduction Timing 14 7 2/4 Timing 12 2/4 Timing 13 21 Reduction Timing 14 7 2/4 Duty Cycle 16 2 10 Station 11 20 Reduction Timing 14 12 15 13 20 Reduction Timing 14 14 7 15 15 15 15 10 Switch 10 Switch 10 Switch 10 Switch 10 Switch 10 Switch 11 15 12 38 14 15 15 3rd Gear 11 4 14 15 15 3rd Gear 11 4 15 3rd Gear 16	
sensor 5 & 6 = Output-shaft speed sensor 7 & 8 = Temperature sensor 18 & 9 = Shift Solenoid A 18 & 10 = Shift Solenoid B 18 & 11 = Shift Solenoid C 18 & 11 = Shift Solenoid C 18 & 12 = Low Clutch Timing Solenoid 18 & 13 = 2/4 Timing Solenoid 18 & 14 = Reduction Timing Solenoid 18 & 15 = Pressure- control solenoid 18 & 16 = 2/4 duty	(513 to 627 ohms) (Refer to page 9) (14 to 18 ohms) (14 to 18 ohms)	2004 Jaguar X Type 32-Bit TCMColspan="2">Automatic Transmission JB155S A9S A9S C10S C10S C10Sol12Colspan="2">Colspan="2"Trans. Fluid Temp. SensorColspan="2">Colspan="2">Colspan="2"Colspan="2"Colspan="2"Colspan="2"Colspan="2"Trans. Fluid Temp. SensorTrans. Fluid Temp. Sensor <td colspan<="" th=""></td>	

 \oplus

АКРРНЕLP.RU Руководство по ремонту АКПП

Technical Supplement

