

2012 - Mazda6 - Transmission/ Transaxle

ON-BOARD DIAGNOSTIC SYSTEM DTC TABLE [AY6A-EL]

DTC No.	MIL	AT warning light	Definition	Fail- safe	Drive cycle (MIL illuminates)	Self test type*1	Memory function	Page
P0220:00	Illuminate	Illuminate	Accelerator pedal position circuit	X	1	C	X	(See DTC P0220:00 [AY6A- EL] .)
P0601:00	Illuminate	Illuminate	Flash ROM error	X	1	C	X	(See DTC P0601:00 [AY6A- EL] .)
P0603:00	Illuminate	Illuminate	EEPROM error	X	1	C	X	(See DTC P0603:00 [AY6A- EL] .)
P0604:00	Illuminate	Illuminate	RAM error	X	1	C	X	(See DTC P0604:00 [AY6A- EL] .)
P0702:00	Illuminate	Illuminate	Linear solenoid driver electrical	X	1	C	X	(See DTC P0702:00 [AY6A- EL] .)
P0706:00	Illuminate	Illuminate	TR switch circuit range/performance	X	1	C	X	(See DTC P0706:00 [AY6A- EL] .)
P0707:00	Illuminate	Illuminate	TR switch circuit low	X	1	C	X	(See DTC P0707:00 [AY6A- EL] .)
P0708:00	Illuminate	Illuminate	TR switch circuit high	X	1	C	X	(See DTC P0708:00 [AY6A- EL] .)
								(See DTC

P0711:00	Illuminate	Illuminate	TFT sensor circuit range/performance	X	1	C	X	P0711:00 [AY6A-EL] .)
P0712:00	Illuminate	Illuminate	TFT sensor circuit low	X	1	C	X	(See DTC P0712:00 [AY6A-EL] .)
P0713:00	Illuminate	Illuminate	TFT sensor circuit high	X	1	C	X	(See DTC P0713:00 [AY6A-EL] .)
P0715:00	Illuminate	Illuminate	Input/turbine speed sensor circuit	X	1	C	X	(See DTC P0715:00 [AY6A-EL] .)
P0717:00	Illuminate	Illuminate	Input/turbine speed sensor circuit no signal	X	1	C	X	(See DTC P0717:00 [AY6A-EL] .)
P0720:00	Illuminate	Illuminate	VSS circuit	X	1	C	X	(See DTC P0720:00 [AY6A-EL] .)
P0722:00	Illuminate	Illuminate	VSS circuit no signal	X	1	C	X	(See DTC P0722:00 [AY6A-EL] .)
P0727:00	Illuminate	Illuminate	Engine speed input circuit no signal	X	1	C	X	(See DTC P0727:00 [AY6A-EL] .)
P0729:00	Illuminate	Illuminate	Gear 6 incorrect ratio	X	2	C	X	(See DTC P0729:00 [AY6A-EL] .)
P072D:00	-	Illuminate	Incorrect gear ratio (1GR with engine brake stuck 2GR/3GR)	X	-	C	X	(See DTC P072D:00 [AY6A-EL] .)
P0730:00	Illuminate	Illuminate	Incorrect gear ratio (1GR with engine brake stuck 4GR)	X	2	C	X	(See DTC P0730:00 [AY6A-EL] .)
P0731:00	Illuminate	Illuminate	Gear 1 incorrect ratio	X	2	C	X	(See DTC P0731:00 [AY6A-EL] .)
P0732:00	Illuminate	Illuminate	Gear 2 incorrect ratio	X	2	C	X	(See DTC P0732:00 [AY6A-

								EL] .)
P0733:00	Illuminate	Illuminate	Gear 3 incorrect ratio	X	2	C	X	(See DTC P0733:00 [AY6A-EL] .)
P0734:00	Illuminate	Illuminate	Gear 4 incorrect ratio	X	2	C	X	(See DTC P0734:00 [AY6A-EL] .)
P0735:00	Illuminate	Illuminate	Gear 5 incorrect ratio	X	2	C	X	(See DTC P0735:00 [AY6A-EL] .)
P073F:00	-	Illuminate	Incorrect Gear Ratio (1GR with engine brake)	X	-	C	X	(See DTC P073F:00 [AY6A-EL] .)
P074A:00	-	Illuminate	Gear 2 stuck	X	-	C	X	(See DTC P074A:00 [AY6A-EL] .)
P074B:00	-	Illuminate	Gear 3 stuck	X	-	C	X	(See DTC P074B:00 [AY6A-EL] .)
P074C:00	-	Illuminate	Gear 4 stuck	X	-	C	X	(See DTC P074C:00 [AY6A-EL] .)
P074D:00	-	Illuminate	Gear 5 stuck	X	-	C	X	(See DTC P074D:00 [AY6A-EL] .)
P074E:00	-	Illuminate	Gear 6 stuck	X	-	C	X	(See DTC P074E:00 [AY6A-EL] .)
P0762:00	Illuminate	Illuminate	Shift solenoid C stuck on	X	2	C	X	(See DTC P0762:00 [AY6A-EL] .)
P0766:00	Illuminate	Illuminate	Shift solenoid D performance or stuck off	X	2	C	X	(See DTC P0766:00 [AY6A-EL] .)
P0771:00	Illuminate	Illuminate	Shift solenoid E performance or stuck off	X	2	C	X	(See DTC P0771:00 [AY6A-EL] .)

P0817:00	-	Illuminate	Starter lock output signal circuit	-	-	C	X	(See DTC P0817:00 [AY6A-EL] .)
P0819:00	-	Illuminate	Up and down switch to transaxle range correlation	X	-	C	X	(See DTC P0819:00 [AY6A-EL] .)
P0867:00	-	Illuminate	ATF pressure	-	-	C	X	(See DTC P0867:00 [AY6A-EL] .)
P0882:00	Illuminate	Illuminate	TCM B+ low	X	1	C	X	(See DTC P0882:00 [AY6A-EL] .)
P0883:00	Illuminate	Illuminate	TCM B+ high	X	1	C	X	(See DTC P0883:00 [AY6A-EL] .)
P0942:00	Illuminate	Illuminate	Hydraulic pressure unit (at D position)	X	2	C	X	(See DTC P0942:00 [AY6A-EL] .)
P0961:00	Illuminate	Illuminate	Line pressure control solenoid circuit range/performance	X	1	C	X	(See DTC P0961:00 [AY6A-EL] .)
P0962:00	Illuminate	Illuminate	Line pressure control solenoid circuit low	X	1	C	X	(See DTC P0962:00 [AY6A-EL] .)
P0963:00	Illuminate	Illuminate	Line pressure control solenoid circuit high	X	1	C	X	(See DTC P0963:00 [AY6A-EL] .)
P0973:00	Illuminate	Illuminate	Shift solenoid A circuit low	X	1	C	X	(See DTC P0973:00 [AY6A-EL] .)
P0974:00	Illuminate	Illuminate	Shift solenoid A circuit high	X	1	C	X	(See DTC P0974:00 [AY6A-EL] .)
P0976:00	Illuminate	Illuminate	Shift solenoid B circuit low	X	1	C	X	(See DTC P0976:00 [AY6A-EL] .)
			Shift solenoid B circuit					(See DTC

P0977:00	Illuminate	Illuminate	high	X	1	C	X	P0977:00 [AY6A-EL] .)
P0978:00	Illuminate	Illuminate	Shift solenoid C circuit range/performance	X	1	C	X	(See DTC P0978:00 [AY6A-EL] .)
P0979:00	Illuminate	Illuminate	Shift solenoid C circuit low	X	1	C	X	(See DTC P0979:00 [AY6A-EL] .)
P0980:00	Illuminate	Illuminate	Shift solenoid C circuit high	X	1	C	X	(See DTC P0980:00 [AY6A-EL] .)
P0981:00	Illuminate	Illuminate	Shift solenoid D circuit range/performance	X	1	C	X	(See DTC P0981:00 [AY6A-EL] .)
P0982:00	Illuminate	Illuminate	Shift solenoid D circuit low	X	1	C	X	(See DTC P0982:00 [AY6A-EL] .)
P0983:00	Illuminate	Illuminate	Shift solenoid D circuit high	X	1	C	X	(See DTC P0983:00 [AY6A-EL] .)
P0984:00	Illuminate	Illuminate	Shift solenoid E circuit range/performance	X	1	C	X	(See DTC P0984:00 [AY6A-EL] .)
P0985:00	Illuminate	Illuminate	Shift solenoid E circuit low	X	1	C	X	(See DTC P0985:00 [AY6A-EL] .)
P0986:00	Illuminate	Illuminate	Shift solenoid E circuit high	X	1	C	X	(See DTC P0986:00 [AY6A-EL] .)
P0997:00	Illuminate	Illuminate	Shift solenoid F circuit range/performance	X	1	C	X	(See DTC P0997:00 [AY6A-EL] .)
P0998:00	Illuminate	Illuminate	Shift solenoid F circuit low	X	1	C	X	(See DTC P0998:00 [AY6A-EL] .)
P0999:00	Illuminate	Illuminate	Shift solenoid F circuit high	X	1	C	X	(See DTC P0999:00 [AY6A-EL] .)

P1700:00	-	Illuminate	Hydraulic pressure unit (at R position)	X	-	C	X	(See DTC P1700:00 [AY6A-EL].)
P1719:00	-	-	Engine torque signal error (inaccurate signal)	X	-	C	X	(See DTC P1719:00 [AY6A-EL].)
P1738:00	-	Illuminate	Shift control solenoid component malfunction	X	-	C	X	(See DTC P1738:00 [AY6A-EL].)
P1783:00	-	-	ATF high oil temperature malfunction	X	-	C	X	(See DTC P1783:00 [AY6A-EL].)
P1919:00	-	-	Engine coolant temperature signal error	X	-	C	X	(See DTC P1919:00 [AY6A-EL].)
P2544:00	Illuminate	Illuminate	Engine torque signal error (invalid signal)	X	1	C	X	(See DTC P2544:00 [AY6A-EL].)
P2708:00	Illuminate	Illuminate	Shift solenoid F stuck on	X	2	C	X	(See DTC P2708:00 [AY6A-EL].)
P2757:00	Illuminate	Illuminate	TCC control solenoid circuit performance or stuck off	X	2	C	X	(See DTC P2757:00 [AY6A-EL].)
P2762:00	Illuminate	Illuminate	TCC control solenoid range/performance	X	1	C	X	(See DTC P2762:00 [AY6A-EL].)
P2763:00	Illuminate	Illuminate	TCC control solenoid circuit high	X	1	C	X	(See DTC P2763:00 [AY6A-EL].)
P2764:00	Illuminate	Illuminate	TCC control solenoid circuit low	X	1	C	X	(See DTC P2764:00 [AY6A-EL].)
P2806:00	-	Illuminate	Neutral position learning (Not performed yet)	X	-	C	X	(See DTC P2806:00 [AY6A-EL].)

U0073:00	Illuminate	Illuminate	Control module communication bus off	X	1	C	X	(See FOREWORD [MULTI PLEX COMMUNICATION SYSTEM] .)
U0100:00	Illuminate	Illuminate	Lost communication with PCM	X	1	C	X	
U0121:00	-	Illuminate	Lost communication with DSC HU/CM	X	-	C	X	
U0155:00	-	-	Lost communication with instrument cluster	X	-	C	X	
U0415:00	-	-	Invalid data received from DSC HU/CM	X	-	C	X	(See DTC U0415:00 [AY6A-EL] .)

*1

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[< Previous](#) [Next >](#)

[Back to Top](#)

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ON-BOARD DIAGNOSTIC SYSTEM DTC TABLE [AY6A-EL]

[illegible]

P0711:00	Illuminate	Illuminate	TFT sensor circuit range/performance	X	1	C	X	P0711:00 [AY6A-EL] .)
P0712:00	Illuminate	Illuminate	TFT sensor circuit low	X	1	C	X	(See DTC P0712:00 [AY6A-EL] .)
P0713:00	Illuminate	Illuminate	TFT sensor circuit high	X	1	C	X	(See DTC P0713:00 [AY6A-EL] .)
P0715:00	Illuminate	Illuminate	Input/turbine speed sensor circuit	X	1	C	X	(See DTC P0715:00 [AY6A-EL] .)
P0717:00	Illuminate	Illuminate	Input/turbine speed sensor circuit no signal	X	1	C	X	(See DTC P0717:00 [AY6A-EL] .)
P0720:00	Illuminate	Illuminate	VSS circuit	X	1	C	X	(See DTC P0720:00 [AY6A-EL] .)
P0722:00	Illuminate	Illuminate	VSS circuit no signal	X	1	C	X	(See DTC P0722:00 [AY6A-EL] .)
P0727:00	Illuminate	Illuminate	Engine speed input circuit no signal	X	1	C	X	(See DTC P0727:00 [AY6A-EL] .)
P0729:00	Illuminate	Illuminate	Gear 6 incorrect ratio	X	2	C	X	(See DTC P0729:00 [AY6A-EL] .)
P072D:00	-	Illuminate	Incorrect gear ratio (1GR with engine brake stuck 2GR/3GR)	X	-	C	X	(See DTC P072D:00 [AY6A-EL] .)
P0730:00	Illuminate	Illuminate	Incorrect gear ratio (1GR with engine brake stuck 4GR)	X	2	C	X	(See DTC P0730:00 [AY6A-EL] .)
P0731:00	Illuminate	Illuminate	Gear 1 incorrect ratio	X	2	C	X	(See DTC P0731:00 [AY6A-EL] .)
P0732:00	Illuminate	Illuminate	Gear 2 incorrect ratio	X	2	C	X	(See DTC P0732:00 [AY6A-

								EL] .)
P0733:00	Illuminate	Illuminate	Gear 3 incorrect ratio	X	2	C	X	(See DTC P0733:00 [AY6A-EL] .)
P0734:00	Illuminate	Illuminate	Gear 4 incorrect ratio	X	2	C	X	(See DTC P0734:00 [AY6A-EL] .)
P0735:00	Illuminate	Illuminate	Gear 5 incorrect ratio	X	2	C	X	(See DTC P0735:00 [AY6A-EL] .)
P073F:00	-	Illuminate	Incorrect Gear Ratio (1GR with engine brake)	X	-	C	X	(See DTC P073F:00 [AY6A-EL] .)
P074A:00	-	Illuminate	Gear 2 stuck	X	-	C	X	(See DTC P074A:00 [AY6A-EL] .)
P074B:00	-	Illuminate	Gear 3 stuck	X	-	C	X	(See DTC P074B:00 [AY6A-EL] .)
P074C:00	-	Illuminate	Gear 4 stuck	X	-	C	X	(See DTC P074C:00 [AY6A-EL] .)
P074D:00	-	Illuminate	Gear 5 stuck	X	-	C	X	(See DTC P074D:00 [AY6A-EL] .)
P074E:00	-	Illuminate	Gear 6 stuck	X	-	C	X	(See DTC P074E:00 [AY6A-EL] .)
P0762:00	Illuminate	Illuminate	Shift solenoid C stuck on	X	2	C	X	(See DTC P0762:00 [AY6A-EL] .)
P0766:00	Illuminate	Illuminate	Shift solenoid D performance or stuck off	X	2	C	X	(See DTC P0766:00 [AY6A-EL] .)
P0771:00	Illuminate	Illuminate	Shift solenoid E performance or stuck off	X	2	C	X	(See DTC P0771:00 [AY6A-EL] .)

P0817:00	-	Illuminate	Starter lock output signal circuit	-	-	C	X	(See DTC P0817:00 [AY6A-EL] .)
P0819:00	-	Illuminate	Up and down switch to transaxle range correlation	X	-	C	X	(See DTC P0819:00 [AY6A-EL] .)
P0867:00	-	Illuminate	ATF pressure	-	-	C	X	(See DTC P0867:00 [AY6A-EL] .)
P0882:00	Illuminate	Illuminate	TCM B+ low	X	1	C	X	(See DTC P0882:00 [AY6A-EL] .)
P0883:00	Illuminate	Illuminate	TCM B+ high	X	1	C	X	(See DTC P0883:00 [AY6A-EL] .)
P0942:00	Illuminate	Illuminate	Hydraulic pressure unit (at D position)	X	2	C	X	(See DTC P0942:00 [AY6A-EL] .)
P0961:00	Illuminate	Illuminate	Line pressure control solenoid circuit range/performance	X	1	C	X	(See DTC P0961:00 [AY6A-EL] .)
P0962:00	Illuminate	Illuminate	Line pressure control solenoid circuit low	X	1	C	X	(See DTC P0962:00 [AY6A-EL] .)
P0963:00	Illuminate	Illuminate	Line pressure control solenoid circuit high	X	1	C	X	(See DTC P0963:00 [AY6A-EL] .)
P0973:00	Illuminate	Illuminate	Shift solenoid A circuit low	X	1	C	X	(See DTC P0973:00 [AY6A-EL] .)
P0974:00	Illuminate	Illuminate	Shift solenoid A circuit high	X	1	C	X	(See DTC P0974:00 [AY6A-EL] .)
P0976:00	Illuminate	Illuminate	Shift solenoid B circuit low	X	1	C	X	(See DTC P0976:00 [AY6A-EL] .)
			Shift solenoid B circuit					(See DTC

P0977:00	Illuminate	Illuminate	high	X	1	C	X	P0977:00 [AY6A-EL] .)
P0978:00	Illuminate	Illuminate	Shift solenoid C circuit range/performance	X	1	C	X	(See DTC P0978:00 [AY6A-EL] .)
P0979:00	Illuminate	Illuminate	Shift solenoid C circuit low	X	1	C	X	(See DTC P0979:00 [AY6A-EL] .)
P0980:00	Illuminate	Illuminate	Shift solenoid C circuit high	X	1	C	X	(See DTC P0980:00 [AY6A-EL] .)
P0981:00	Illuminate	Illuminate	Shift solenoid D circuit range/performance	X	1	C	X	(See DTC P0981:00 [AY6A-EL] .)
P0982:00	Illuminate	Illuminate	Shift solenoid D circuit low	X	1	C	X	(See DTC P0982:00 [AY6A-EL] .)
P0983:00	Illuminate	Illuminate	Shift solenoid D circuit high	X	1	C	X	(See DTC P0983:00 [AY6A-EL] .)
P0984:00	Illuminate	Illuminate	Shift solenoid E circuit range/performance	X	1	C	X	(See DTC P0984:00 [AY6A-EL] .)
P0985:00	Illuminate	Illuminate	Shift solenoid E circuit low	X	1	C	X	(See DTC P0985:00 [AY6A-EL] .)
P0986:00	Illuminate	Illuminate	Shift solenoid E circuit high	X	1	C	X	(See DTC P0986:00 [AY6A-EL] .)
P0997:00	Illuminate	Illuminate	Shift solenoid F circuit range/performance	X	1	C	X	(See DTC P0997:00 [AY6A-EL] .)
P0998:00	Illuminate	Illuminate	Shift solenoid F circuit low	X	1	C	X	(See DTC P0998:00 [AY6A-EL] .)
P0999:00	Illuminate	Illuminate	Shift solenoid F circuit high	X	1	C	X	(See DTC P0999:00 [AY6A-EL] .)

P1700:00	-	Illuminate	Hydraulic pressure unit (at R position)	X	-	C	X	(See DTC P1700:00 [AY6A-EL] .)
P1719:00	-	-	Engine torque signal error (inaccurate signal)	X	-	C	X	(See DTC P1719:00 [AY6A-EL] .)
P1738:00	-	Illuminate	Shift control solenoid component malfunction	X	-	C	X	(See DTC P1738:00 [AY6A-EL] .)
P1783:00	-	-	ATF high oil temperature malfunction	X	-	C	X	(See DTC P1783:00 [AY6A-EL] .)
P1919:00	-	-	Engine coolant temperature signal error	X	-	C	X	(See DTC P1919:00 [AY6A-EL] .)
P2544:00	Illuminate	Illuminate	Engine torque signal error (invalid signal)	X	1	C	X	(See DTC P2544:00 [AY6A-EL] .)
P2708:00	Illuminate	Illuminate	Shift solenoid F stuck on	X	2	C	X	(See DTC P2708:00 [AY6A-EL] .)
P2757:00	Illuminate	Illuminate	TCC control solenoid circuit performance or stuck off	X	2	C	X	(See DTC P2757:00 [AY6A-EL] .)
P2762:00	Illuminate	Illuminate	TCC control solenoid range/performance	X	1	C	X	(See DTC P2762:00 [AY6A-EL] .)
P2763:00	Illuminate	Illuminate	TCC control solenoid circuit high	X	1	C	X	(See DTC P2763:00 [AY6A-EL] .)
P2764:00	Illuminate	Illuminate	TCC control solenoid circuit low	X	1	C	X	(See DTC P2764:00 [AY6A-EL] .)
P2806:00	-	Illuminate	Neutral position learning (Not performed yet)	X	-	C	X	(See DTC P2806:00 [AY6A-EL] .)

U0073:00	Illuminate	Illuminate	Control module communication bus off	X	1	C	X	(See FOREWORD [MULTI PLEX COMMUNICATION SYSTEM] .)
U0100:00	Illuminate	Illuminate	Lost communication with PCM	X	1	C	X	
U0121:00	-	Illuminate	Lost communication with DSC HU/CM	X	-	C	X	
U0155:00	-	-	Lost communication with instrument cluster	X	-	C	X	
U0415:00	-	-	Invalid data received from DSC HU/CM	X	-	C	X	(See DTC U0415:00 [AY6A-EL] .)

*1

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[< Previous](#) [Next >](#)

[Back to Top](#)

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