

2012 - Mazda6 - Body and Accessories

PID/ DATA MONITOR TABLE [ADVANCED KEYLESS ENTRY AND PUSH BUTTON START SYSTEM]

PID name (definition)	Unit/Operation	Data contents	Inspection item (s)	Terminal
BRAKE_SW1 (Brake switch status)	On/Off	- Brake pedal depressed: On - Brake pedal not depressed: Off	Brake switch inspection	3S
BRAKE_SW2*1 (Brake switch 2 status)	On/Off	- Brake pedal depressed: On - Brake pedal not depressed: Off	Brake switch 2 inspection	3E
BZR_OUT (Keyless beeper status)	On/Off	- Keyless beeper sound: On - Keyless beeper not sound: Off	Keyless beeper inspection	3K
CLUTCH_SW*2 (Clutch switch status)	On/Off	- Clutch pedal pressed: On - Clutch pedal released: Off	Clutch switch inspection	3B
IMMOBI*4 (Immobilizer function present/not present)	On/Off	- Immobilizer function present: On - Immobilizer function not present: Off	Keyless control module inspection	—
LOCK_SW_D (Door lock-link switch	Lock/Unlock	- Driver's door: LOCK: Lock - Driver's door:	Door lock-link switch inspection	3P

status)		UNLOCK: Unlock		
MON_ACC (ACC relay monitor)	On/Off	- Switch the ignition to ACC: On - Switch the ignition to off: Off	ACC relay inspection	2A
MON_IG1 (IG1 relay monitor)	On/Off	- Switch the ignition to ON: On - Switch the ignition to ACC or off: Off	IG1 relay inspection	2C
MON_IG2 (IG2 relay monitor)	On/Off	- Switch the ignition to ON: On - Switch the ignition to ACC or off: Off	IG2 relay inspection	4X
NUMCARD (Number of advanced keys)	—	Number of programmed advanced keys: 0—6	Keyless control module inspection	—
NUMKEY*4 (Number of key codes)	—	Number of programmed key codes: 0—8	Keyless control module inspection	—
PUSH_ST1 (Push button start1 status)	On/Off	- Push button start pressed: On - Other than these conditions: Off	Push button start inspection	2J
PUSH_ST2 (Push button start2 status)	On/Off	- Push button start pressed: On - Other than these conditions: Off	Push button start inspection	2K

REQ_SW_L (Request switch (LF) status)	On/Off	- Request switch (LF) pressed: On - Request switch (LF) released: Off	Request switch (LF) inspection	3X
REQ_SW_R (Request switch (RF) status)	On/Off	- Request switch (RF) pressed: On - Request switch (RF) released: Off	Request switch (RF) inspection	3U
REQ_SW_BK	On/Off	NOTE: Cannot be used in the inspection, and Off is normally displayed	-	-
RLY_ACC (ACC relay status)	On/Off	- Switch the ignition to ACC: On - Switch the ignition to off: Off	ACC relay inspection	4F
RLY_IG1 (IG1 relay status)	On/Off	- Switch the ignition to ON: On - Switch the ignition to ACC or off: Off	IG1 relay inspection	4E
RLY_IG2 (IG2 relay status)	On/Off	- Switch the ignition to ON: On - Switch the ignition to ACC or off: Off	IG2 relay inspection	4H
RLY_ST (Starter relay)	On/Off	Switch the ignition to START (STARTER relay on): On	Starter relay inspection	4B

status)		Other than these conditions: Off		
SHIFT_N*2 (Shift lever position)	N/Not_N	- Shift lever in N range: N - Other than these conditions: Not_N	Neutral switch inspection	3T
SHIFT_P*3 (Shift lever position)	P/Not_P	- Shift lever in P range: P - Other than these conditions: Not_P	Selector lever inspection	3M
VPWR1 (Keyless control module power supply voltage1)	V	Continuous: Approx. 12 V	Battery inspection	1D
VPWR2 (Keyless control module power supply voltage2)	V	Continuous: Approx. 12 V	Battery inspection	1E
VPWR3 (Keyless control module power supply voltage3)	V	Continuous: Approx. 12 V	Battery inspection	1B

*1

MZR 2.5

*2

MTX

*3

ATX

*4

With immobilizer system

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

[Back to Top](#)

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MON_IG2 (IG2 relay monitor)	On/Off	- Switch the ignition to ON: On - Switch the ignition to ACC or off: Off	IG2 relay inspection	4X
NUMCARD (Number of advanced keys)	—	Number of programmed advanced keys: 0—6	Keyless control module inspection	—
NUMKEY*4 (Number of key codes)	—	Number of programmed key codes: 0—8	Keyless control module inspection	—
PUSH_ST1 (Push button start1 status)	On/Off	- Push button start pressed: On - Other than these conditions: Off	Push button start inspection	2J
PUSH_ST2 (Push button start2 status)	On/Off	- Push button start pressed: On - Other than these conditions: Off	Push button start inspection	2K

REQ_SW_L (Request switch (LF) status)	On/Off	- Request switch (LF) pressed: On - Request switch (LF) released: Off	Request switch (LF) inspection	3X
REQ_SW_R (Request switch (RF) status)	On/Off	- Request switch (RF) pressed: On - Request switch (RF) released: Off	Request switch (RF) inspection	3U
REQ_SW_BK	On/Off	NOTE: Cannot be used in the inspection, and Off is normally displayed	-	-
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VPWR1 (Keyless control module power supply voltage1)	V	Continuous: Approx. 12 V	Battery inspection	1D
VPWR2 (Keyless control module power supply voltage2)	V	Continuous: Approx. 12 V	Battery inspection	1E
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[< Previous](#) [Next >](#)

[Back to Top](#)