

2012 - Mazda6 - Restraints

PID/ DATA MONITOR TABLE

PID name (definition)	Unit/Operation	Operation Status (Reference)	
BUCKLE_D (Driver-side buckle switch status)	Unbuckled/Buckled	- Driver-side front seat belt not fastened (Driver-side buckle switch on): Unbuckled - Driver-side front seat belt fastened (Driver-side buckle switch off): Buckled	
BUCKLE_P (Passenger-side buckle switch status)	Unbuckled/Buckled	Occupant seated in passenger-side front seat: On	- Passenger-side front seat belt not fastened (Passenger-side buckle switch on): Unbuckled - Passenger-side front seat belt fastened (Passenger-side buckle switch off): Buckled
DTC_CLR_ST (Seat weight sensor DTC cleared status)	Started/ Normal End/ In Process/ OCS Fault	OCS Fault Fault information cleared at seat weight sensor	
OCS_SYS_ST (Seat weight sensor status)	Empty/ SMALL/ Indeterminate/ LARGE	Occupant classification status determined by seat weight sensor	
	Starting/ Normal End/ Commanding/	- Seat weight sensor calibration start-up: Starting - Seat weight sensor calibration completed normally: Normal End - Seat weight sensor calibration command being sent: Commanding - Voltage malfunction during seat weight	

OCS_CAL_ST (Seat weight sensor calibration status)	NG (Voltage)/ NG (Weight)/ Timeout/ In Process OCS Fault	sensor calibration: NG (Voltage) - Weight error during seat weight sensor calibration: NG (Weight) - Seat weight sensor calibration time limit passed: Timeout - Seat weight sensor calibration being processed: In Process - Seat weight sensor or Seat weight sensor control module malfunction: OCS Fault
RES_AB_D (Driver-side air bag module (inflator No.1) resistance nominal)	ohm	Continuous: 1.76–5.06 ohm
RES_AB_P (Passenger-side air bag module (inflator No.1) resistance nominal)	ohm	Continuous: 1.54–5.06 ohm
RES_AB2_D (Driver-side air bag module (inflator No.2) resistance nominal)	ohm	Continuous: 1.76–5.06 ohm
RES_AB2_P (Passenger-side air bag module (inflator No.2) resistance nominal)	ohm	Continuous: 1.54–5.06 ohm
RES_CAB_D (Driver-side curtain air bag module resistance nominal)	ohm	Continuous: 1.54–5.06 ohm
RES_CAB_P (Passenger-side curtain air bag module resistance nominal)	ohm	Continuous: 1.54–5.06 ohm
RES_PT_D (Driver-side pretensioner seat belt resistance nominal)	ohm	Continuous: 1.54–5.06 ohm

RES_PT_P (Passenger-side pretensioner seat belt resistance nominal)	ohm	Continuous: 1.54–5.06 ohm
RES_SAB_D (Driver-side side air bag module resistance nominal)	ohm	Continuous: 1.54–8.27 ohm
RES_SAB_P (Passenger-side side air bag module resistance nominal)	ohm	Continuous: 1.54–8.27 ohm
PS_WEIGHT (Seat weight sensor measured weight of passenger)	kg	Display of load (body weight) on passenger-side seat
TRAK_SW (Seat track position sensor state)	Forward/Rearward	• Front seat front position: Forward • Front seat rear position: Rearward
TRAK_SW_FLT (Seat track position sensor malfunction status)	O.K./Fault	• Seat track position sensor normal: O.K. • Seat track position sensor abnormal: Fault
VPWR (SAS control module power voltage)	V	Switch the ignition to ON: B+

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BUCKLE_D (Driver-side buckle switch status)	Unbuckled/Buckled	- Driver-side front seat belt not fastened (Driver-side buckle switch on): Unbuckled - Driver-side front seat belt fastened (Driver-side buckle switch off): Buckled	
BUCKLE_P (Passenger-side buckle switch status)	Unbuckled/Buckled	Occupant seated in passenger-side front seat: On	- Passenger-side front seat belt not fastened (Passenger-side buckle switch on): Unbuckled - Passenger-side front seat belt fastened (Passenger-side buckle switch off): Buckled
DTC_CLR_ST (Seat weight sensor DTC cleared status)	Started/ Normal End/ In Process/ OCS Fault	OCS Fault Fault information cleared at seat weight sensor	
OCS_SYS_ST (Seat weight sensor status)	Empty/ SMALL/ Indeterminate/ LARGE	Occupant classification status determined by seat weight sensor	
	Starting/ Normal End/ Commanding/	- Seat weight sensor calibration start-up: Starting - Seat weight sensor calibration completed normally: Normal End - Seat weight sensor calibration command being sent: Commanding - Voltage malfunction during seat weight	

OCS_CAL_ST (Seat weight sensor calibration status)	NG (Voltage)/ NG (Weight)/ Timeout/ In Process OCS Fault	sensor calibration: NG (Voltage) - Weight error during seat weight sensor calibration: NG (Weight) - Seat weight sensor calibration time limit passed: Timeout - Seat weight sensor calibration being processed: In Process - Seat weight sensor or Seat weight sensor control module malfunction: OCS Fault
RES_AB_D (Driver-side air bag module (inflator No.1) resistance nominal)	ohm	Continuous: 1.76–5.06 ohm
RES_AB_P (Passenger-side air bag module (inflator No.1) resistance nominal)	ohm	Continuous: 1.54–5.06 ohm
RES_AB2_D (Driver-side air bag module (inflator No.2) resistance nominal)	ohm	Continuous: 1.76–5.06 ohm
RES_AB2_P (Passenger-side air bag module (inflator No.2) resistance nominal)	ohm	Continuous: 1.54–5.06 ohm
RES_CAB_D (Driver-side curtain air bag module resistance nominal)	ohm	Continuous: 1.54–5.06 ohm
RES_CAB_P (Passenger-side curtain air bag module resistance nominal)	ohm	Continuous: 1.54–5.06 ohm
RES_PT_D (Driver-side pretensioner seat belt resistance nominal)	ohm	Continuous: 1.54–5.06 ohm

RES_PT_P (Passenger-side pretensioner seat belt resistance nominal)	ohm	Continuous: 1.54–5.06 ohm
RES_SAB_D (Driver-side side air bag module resistance nominal)	ohm	Continuous: 1.54–8.27 ohm
RES_SAB_P (Passenger-side side air bag module resistance nominal)	ohm	Continuous: 1.54–8.27 ohm
PS_WEIGHT (Seat weight sensor measured weight of passenger)	kg	Display of load (body weight) on passenger-side seat
TRAK_SW (Seat track position sensor state)	Forward/Rearward	• Front seat front position: Forward • Front seat rear position: Rearward
TRAK_SW_FLT (Seat track position sensor malfunction status)	O.K./Fault	• Seat track position sensor normal: O.K. • Seat track position sensor abnormal: Fault
VPWR (SAS control module power voltage)	V	Switch the ignition to ON: B+