

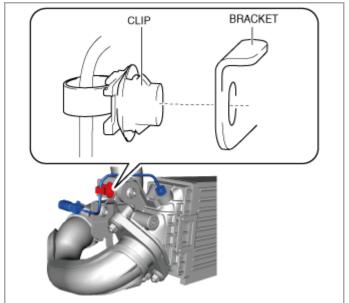
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2010 MAZDA 6/Atenza Hatchback OEM Service and Repair Workshop Manual

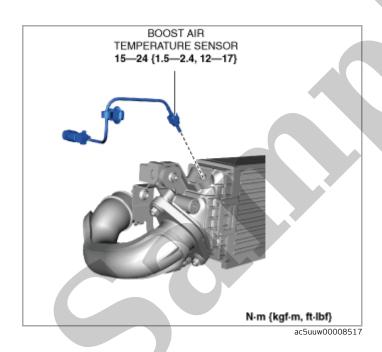
Go to manual page

Oz. SIG. ST_ATO1 — Oxygen signal status from ATO1 OZ_SM_EGSM — Oxygen signal status from ATO1 OZ_SM_EGSM — Oxygen signal status from ATO1 OZ_SM_EGSM — Oxygen signal status from ATO1 OZ_SM_EGSM_CP OZ	Item (definition)	Unit/Condition	Definition
O2_SM_EGSM_CP Oxygen sensor monitoring/exhaust gas sensor monitoring O2_SM_EGSM_CP Oxygen sensor monitoring completed/exhaust gas sensor monitoring completed OBD_MCEC OBD_MCEC OBD_MCEC OBD_MCEC OBD_MCEC OCC OP_F_ACT_PS OR_DADO OP_ADO OP_ADO OP_ADO OP_F_ACT_PS OR_DADO OP_SECT_BY OR_DADO OP_SECT_BY OR_DA	O2_SH_PM_F_CP	-	Oxygen sensor heater monitoring completed / PM filter monitoring completed
OS_SM_EGSM_CP	02_SIG_ST_AT01	-	Oxygen signal status from ATO1
OBD_MCEC	O2_SM_EGSM	_	Oxygen sensor monitoring/exhaust gas sensor monitoring
Used) OBD Menitoring conditions encountered counts	O2_SM_EGSM_CP	-	Oxygen sensor monitoring completed/exhaust gas sensor monitoring completed
OP_F_ACT_PS OP_S_F_LH_MM ORM, in) OUtput frequency for activation of the power stage OP_S_F_LH_MM ORM, in) OUtput signal of the fill level height in mm FMF_MCCCM ORM, in) Filter monitor completion condition counts PMF_MCEC OUndefined/Not Used) PMS_AD_BIS1 ORM, in) PMS_ND_BIS1 ORM, in) PMS_ND_BIS1 ORM, in) PMS_ND_BIS1 ORM, in) PMS_SO_BIS1 ORM, in) PMS_SO_BIS1_SUP PMS_O_BIS1_SUP PMS_O_BIS1_SUP ORM, in) PMS_SO_BIS1_SUP ORM_SORRORS ORM, in) PMS_SORRORS ORM, in) PMS_SORRORS ORM_SORRORS ORM_	OBD_MCEC		OBD Monitoring conditions encountered counts
OP_S_FL_H_MM	OP_ADC	- (mA)	OP of the ADC
PMF_MCCPM	OP_F_ACT_PS	- (Hz)	Output frequency for activation of the power stage
PMF_MCEC PMF_MCEC - (Undefined/Not Used) PM filter monitor conditions encountered counts PMS_NO_BIS1 - PM sensor active status bank 1 sensor 1 PMS_NO_BIS1_SUP PMS_O_BIS1_SUP - PM sensor operating status bank 1 sensor 1 supported PMS_NO_BIS1_SUP PMS_SO_BIS1_SUP - PM sensor operating status bank 2 sensor 1 supported PMS_R_BIS1 - PM sensor operating status bank 2 sensor 1 supported PMS_R_BIS1 - PM sensor signal bank 1 sensor 1 PMS_S_BIS1_SUP - PM sensor signal bank 2 sensor 1 supported PMS_S_BES1_SUP - PM sensor signal bank 2 sensor 1 supported PMS_S_BES1_SUP - PM sensor signal bank 2 sensor 1 supported PMS_S_BES1_SUP - PM sensor signal bank 2 sensor 1 supported PMS_S_BES1_SUP - PM sensor signal bank 2 sensor 1 supported PMC_TIN_DC_CM - Reductant injector duty cycle - commanded RDCT_IN_DLCY - REDUCT_IN_EHEAT - Reductant injector duty cycle RDCT_TANK_HEAT - Reductant tine heater RE_TANK_LV_SUP - Reagent tank level RE_TANK_LV_SUP - Reagent tank level RE_TANK_LU_SUP - Reagent tank level supported REDUCT_IN_DC - Reductant injector duty cycle REV_VALVE Off/On - Urea reverting valve RMN_DF_TM_PRL - (s) - Remaining defrosting time of the pressure line RMN_DF_TM_PRL - (s) - Remaining defrosting time of the pressure line RMN_DF_TM_PRL - (s) - Remaining defrosting time of the tank RMN_DF_TM_TK - (s) - Remaining mileage directly based on reducing agent in tank RMN_DF_TM_TK - (s) - Remaining mileage directly based on reducing agent in tank RMN_DF_TM_SP_DF - (s) - Remaining mileage directly based on reducing agent in tank RMN_DF_DS_DF - (s) - Remaining mileage directly based on reducing agent in tank RMN_DS_DF - (s) - Remaining mileage directly based on reducing agent in tank RMN_DS_DF - (s) - Remaining mileage directly based on reducing agent in tank RMN_DS_DF - (s) - Remaining mileage directly based on reducing agent in tank RMN_DS_DF - (s) - Remaining mileage directly based on reducing agent in tank RMN_DS_DF - (s) - Remaining mileage directly based on reducing agent in tank RMN_DS_DF -	OP_S_FL_H_MM	– (mm, in)	Output signal of the fill level height in mm
PMS_A_BIS1 - PM sensor active status bank 1 sensor 1 PMS_NO_BIS1S - (%) The PM sensor output value PMS_NO_BIS1S_SUP - PM sensor operating status bank 1 sensor 1 supported PMS_O_BS1S_SUP - PM sensor operating status bank 2 sensor 1 supported PMS_O_BS1S_SUP - PM sensor operating status bank 2 sensor 1 supported PMS_R_BIS1 - PM sensor regen status bank 1 sensor 1 PMS_S_BIS1_SUP - PM sensor signal bank 1 sensor 1 supported PMS_S_BS2S_SUP - PM sensor signal bank 2 sensor 1 supported PMS_S_BSS1_SUP - PM sensor signal bank 2 sensor 1 supported PMS_S_BSS1_SUP - Reductant injector duty cycle - commanded RDCT_INJ_DUCY Reductant injector duty cycle RDCT_INJ_DUCY Reductant injector duty cycle RDCT_RVDC_CMD Reductant injector duty cycle - commanded RDCT_TANK_HEAT - Reductant injector duty cycle - commanded RDCT_TANK_HEAT - Reductant tank heater RE_TANK_LV Reagent tank level RE_TANK_LV Reagent tank level supported REDUCT_INJ_DC Reductant injector duty cycle REDUCT_INJ_DC Reductant injector duty cycle REN_DF_TM_PR_ Off/On Urea reverting valve RLA_UR_PMP_PRE	PMF_MCCPM		Filter monitor completion counts
PMS_NO_BIS1	PMF_MCEC		PM filter monitor conditions encountered counts
PMS_O_BIS1_SUP - PM sensor operating status bank 1 sensor 1 supported PMS_O_BZS1_SUP - PM sensor operating status bank 2 sensor 1 supported PMS_R_BIS1 - PM sensor regen status bank 1 sensor 1 PMS_S_BIS1_SUP - PM sensor signal bank 1 sensor 1 supported PMS_S_BZS1_SUP - PM sensor signal bank 2 sensor 1 supported RDC_PMP_DC_CM - Reductant pump duty cycle - commanded RDCT_INL_DUCY	PMS_A_B1S1	-	PM sensor active status bank 1 sensor 1
PMS_O_B2S1_SUP - PM sensor operating status bank 2 sensor 1 supported PMS_B1S1 - PM sensor regen status bank 1 sensor 1 PMS_S_B1S1_SUP - PM sensor signal bank 1 sensor 1 supported PMS_S_B2S1_SUP - PM sensor signal bank 2 sensor 1 supported RDC_PMP_DC_CM - Reductant pump duty cycle - commanded RDCT_INJ_DUCY	PMS_NO_B1S1	- (%)	The PM sensor output value
PMS_R_B1S1 - PM sensor regen status bank 1 sensor 1 PMS_S_B1S1_SUP - PM sensor signal bank 1 sensor 1 supported PMS_S_B2S1_SUP - PM sensor signal bank 2 sensor 1 supported PMS_S_B2S1_SUP - Reductant pump duty cycle - commanded RDC_PMP_DC_CM - Reductant injector duty cycle - commanded RDCT_INJ_DUCY Reductant linjector duty cycle - commanded RDCT_INJ_DUCY Reductant linjector duty cycle - commanded RDCT_RVDC_CMD Reductant tank leater RDCT_RVDC_CMD Reductant tank heater RE_TANK_LV Reagent tank level Respectively Reductant tank level RE_TANK_LV_SUP - Reagent tank level supported REDUCT_INJ_DC Reductant injector duty cycle REV_VALVE Off/On Urea reverting valve RLA_UR_PMP_PRE OhPa) DEF pump module pressure RMN_DF_TM_PRL OS Remaining defrosting time of the tank RMN_DF_TM_TK OS Remaining defrosting time of the tank RMN_ML_DIRC OK Remaining mileage directly based on reducing agent in tank RMN_ML_DIRC OK Remaining mileage directly based on reducing agent in tank RMN_ML_DLA_CAL_RMN OK Remaining mileage directly based on reducing agent RRDC_AG_RMN OK Remaining mileage directly based on reducing agent RRDC_AG_RMN OK Remaining mileage directly based on reducing agent RRDC_AG_RMN OK Remaining mileage directly based on reducing agent RRDC_AG_RMN OK Remaining mileage directly based on reducing agent RRDC_AG_RMN OK Remaining mileage directly based on reducing agent RRDC_AG_RMN OK Remaining mileage directly based on reducing agent RRDC_AG_RMN OK Remaining mileage directly based on reducing agent RRDC_AG_RMN OK Remaining mileage directly based on reducing agent RRDC_AG_RMN OK Remaining mileage directly based on reducing agent RRDC_AG_RMN OK Remaining mileage directly based on reducing agent RRDC_AG_RMN OK Remaining mileage directly based on reducing agent RRDC_AG_RMN OK Remaining mileage Reductant Remaining mileage Reductant Remaining mileage Reductant Remaining mileage Reductant Remain	PMS_O_B1S1_SUP	-	PM sensor operating status bank 1 sensor 1 supported
PMS_S_B1S1_SUP - PM sensor signal bank 1 sensor 1 supported PMS_S_B2S1_SUP - PM sensor signal bank 2 sensor 1 supported RDC_PMP_DC_CM - Reductant pump duty cycle - commanded RDCT_INJ_DUCY REductant injector duty cycle - commanded RDCT_INS_DUCY REductant injector duty cycle - commanded RDCT_TANK_HEAT - Reductant line heater RDCT_RVDC_CMD REductant reverting valve duty cycle - commanded RDCT_TANK_HEAT - Reductant tank heater RE_TANK_LV Reagent tank level supported REDUCT_INJ_DC Reagent tank level supported REDUCT_INJ_DC Reductant injector duty cycle REV_VALVE Off/On Urea reverting valve RLA_UR_PMP_PRE - (hPa) DEF pump module pressure RMN_DF_TM_PRL - (s) Remaining defrosting time of the pressure line RMN_DF_TM_TK - (s) Remaining defrosting time of the tank RMN_ML_DIRC - (km mile) Remaining mileage dircetly based on reducing agent in tank RMN_TM_SP_DF - (s) Remaining mileage dircetly based on reducing agent in tank RMN_TM_SP_DF - (s) Remaining unitie for supply module defrost RRC_AG_RMN - (%) Remaining quantity of reducing agent S_LLMD_V2_DNOX - State of lin lambda value of 2.downstream NOx sensor S_STT_HYD_SCR - Sub state of hydraulic SCR-system S_UR_TANK_TMP	PMS_O_B2S1_SUP	-	PM sensor operating status bank 2 sensor 1 supported
PMS_S_B2S1_SUP - PM sensor signal bank 2 sensor 1 supported RDC_PMP_DC_CM - Reductant pump duty cycle - commanded RDCT_INJ_DUCY % Reductant linjector duty cycle RDCT_LINE_HEAT - Reductant line heater RDCT_RVDC_CMD % Reductant reverting valve duty cycle - commanded RDCT_TANK_HEAT - Reductant tank heater RE_TANK_LV % Reagent tank level RE_TANK_LV_SUP - Reagent tank level supported RDUCT_INJ_DC % Reductant injector duty cycle REDUCT_INJ_DC % Reductant injector duty cycle REV_VALVE Off/on Urea reverting valve RLA_UR_PMP_PRE - (hPa) DEF pump module pressure RMN_DF_TM_PR_L - (s) Remaining defrosting time of the pressure line RMN_DF_TM_FR_L - (s) Remaining defrosting time of the tank RMN_ML_DIRC - (km mile) Remaining mileage directly based on reducing agent in tank RMN_ML_DIRC - (s) Remaining mileage directly based on reducing agent in tank RMN_TM_SP_DF - (s) Remaining mileage directly deform agent S_LLMD_V2_DNOX - State of lin lambda value of 2.downstream NOx sensor S_STT_HYD_SCR - Sub state of hydraulic SCR-system S_UR_TANK_TMP	PMS_R_B1S1	_	PM sensor regen status bank 1 sensor 1
RDC_PMP_DC_CM — Reductant pump duty cycle - commanded RDCT_INJ_DUCY	PMS_S_B1S1_SUP	-	PM sensor signal bank 1 sensor 1 supported
RDCT_INJ_DUCY REDCT_LINE_HEAT Reductant line heater RCCT_RVDC_CMD Reductant line heater RCCT_RVDC_CMD Reductant reverting valve duty cycle - commanded RDCT_TANK_HEAT Reductant tank heater RE_TANK_LV Reagent tank level RE_TANK_LV_SUP Reagent tank level supported REDUCT_INJ_DC Reductant injector duty cycle REV_VALVE Off/On Urea reverting valve RLA_UR_PMP_PRE - (hPa) DEF pump module pressure RMN_DF_TM_PR_L - (s) Remaining defrosting time of the pressure line RMN_DF_TM_PR_L - (s) Remaining defrosting time of the tank RMN_ML_DIRC RMN_DF_TM_FK - (s) Remaining mileage directly based on reducing agent in tank RMN_MT_SP_DF - (s) Remaining quantity of reducing agent S_LLMD_V2_DNOX - State of lin lambda value of 2.downstream NOx sensor S_STT_HYD_SCR - Sensed urea tank temperature Secondary air system monitoring completed/boost pressure system monitoring SDARS_BSPR_CP - Secondary air system monitoring completed/boost pressure system monitoring SPDC_URDC % Set-point duty cycle from urea dosing controller ST_DF_CHK - State of the defrosting check ST_OP_S_PRE_HT - Status of output stage pressure heater ST_DP_S_PRE_HT - Status of output stage tank heater ST_HYD_SCR - State of hydraulic SCR-system	PMS_S_B2S1_SUP	-	PM sensor signal bank 2 sensor 1 supported
RDCT_LINE_HEAT - Reductant line heater RDCT_RVDC_CMD	RDC_PMP_DC_CM	-	Reductant pump duty cycle - commanded
RDCT_RVDC_CMD RDCT_TANK_HEAT Reductant tank heater RE_TANK_LV Reagent tank level RE_TANK_LV_SUP Reagent tank level supported REDUCT_INJ_DC REDUCT_INJ_DC Reductant injector duty cycle REV_VALVE REV_VALVE Off/On DEF pump module pressure RMN_DF_TM_PR_L - (s) Remaining defrosting time of the pressure line RMN_DF_TM_TK - (s) Remaining defrosting time of the tank RMN_ML_DIRC RMN_DF_CM_CR RRDC_AG_RMN - (km mile) Remaining mileage directly based on reducing agent in tank RMN_TM_SP_DF - (s) Remaining quantity of reducing agent S_LLMD_V2_DNOX - State of lin lambda value of 2.downstream NOx sensor S_STT_HYD_SCR S_UR_TANK_TMP °C, °F Sensed urea tank temperature SDARS_BSPR_CP - Secondary air system monitoring completed/boost pressure system monitoring SPDC_URDC % Set-point duty cycle from urea dosing controller ST_OP_S_PRE_HT - Status of output stage pressure heater ST_HYD_SCR - Status of output stage pressure heater ST_HYD_SCR - Status of output stage tank heater ST_HYD_SCR - Status of output stage tank heater ST_HYD_SCR - Status of hydraulic SCR-system	RDCT_INJ_DUCY	%	Reductant injector duty cycle
RDCT_TANK_HEAT - Reductant tank heater RE_TANK_LV	RDCT_LINE_HEAT	-	Reductant line heater
RE_TANK_LV	RDCT_RVDC_CMD	%	Reductant reverting valve duty cycle - commanded
RE_TANK_LV_SUP REDUCT_INJ_DC REV_VALVE REV_VALVE Off/On Urea reverting valve RLA_UR_PMP_PRE - (hPa) DEF pump module pressure RMN_DF_TM_PR_L - (s) Remaining defrosting time of the pressure line RMN_DF_TM_TK - (s) Remaining mileage directly based on reducing agent in tank RMN_ML_DIRC RMN_TM_SP_DF - (s) Remaining quantity of reducing agent S_LLMD_V2_DNOX - State of lin lambda value of 2.downstream NOx sensor S_ST_HYD_SCR - Sub state of hydraulic SCR-system SDARS_BSPR_CP - Secondary air system monitoring completed/boost pressure system monitoring SPDC_URDC ST_DF_CHK - State of the defrosting check ST_OP_S_PRE_HT - Status of output stage pressure heater STT_HYD_SCR - State of hydraulic SCR-system State of hydraulic SCR-system system monitoring completed ST_DP_S_TK_HT - Status of output stage pressure heater ST_HYD_SCR - State of hydraulic SCR-system State of the defrosting check ST_OP_S_TK_HT - Status of output stage pressure heater STT_HYD_SCR - State of hydraulic SCR-system	RDCT_TANK_HEAT	-	Reductant tank heater
REDUCT_INJ_DC REV_VALVE REV_VALVE Off/On Urea reverting valve RLA_UR_PMP_PRE - (hPa) DEF pump module pressure RMN_DF_TM_PR_L - (s) Remaining defrosting time of the pressure line RMN_DF_TM_TK - (s) Remaining defrosting time of the tank RMN_ML_DIRC RMN_ML_DIRC RMN_TM_SP_DF - (s) Remaining mileage directly based on reducing agent in tank RMN_TM_SP_DF RRDC_AG_RMN - (%) Remaining quantity of reducing agent S_LLMD_V2_DNOX - State of lin lambda value of 2.downstream NOx sensor S_STT_HYD_SCR - Sub state of hydraulic SCR-system S_UR_TANK_TMP C, of Sensed urea tank temperature SDARS_BSPR_CP - Secondary air system monitoring completed/boost pressure system monitoring completed SDARS_BSTPRE - Secondary air system monitoring/boost pressure system monitoring SPDC_URDC - State of the defrosting check ST_DF_CHK - State of the defrosting check ST_OP_S_PRE_HT - Status of output stage pressure heater ST_OP_S_TK_HT - Status of output stage tank heater STT_HYD_SCR - State of hydraulic SCR-system	RE_TANK_LV	%	Reagent tank level
REV_VALVE Off/On Urea reverting valve RLA_UR_PMP_PRE - (hPa) DEF pump module pressure RMN_DF_TM_PR_L - (s) Remaining defrosting time of the pressure line RMN_DF_TM_TK - (s) Remaining defrosting time of the tank RMN_ML_DIRC - (km mile) Remaining mileage directly based on reducing agent in tank RMN_TM_SP_DF - (s) Remaining time for supply module defrost RRDC_AG_RMN - (%) Remaining quantity of reducing agent S_LLMD_V2_DNOX - State of lin lambda value of 2.downstream NOx sensor S_STT_HYD_SCR - Sub state of hydraulic SCR-system S_UR_TANK_TMP	RE_TANK_LV_SUP	-	Reagent tank level supported
RLA_UR_PMP_PRE RMN_DF_TM_PR_L - (s) Remaining defrosting time of the pressure line RMN_DF_TM_TK - (s) Remaining defrosting time of the tank RMN_DF_TM_TK - (s) Remaining defrosting time of the tank RMN_ML_DIRC RMN_ML_DIRC - (km mile) Remaining mileage dircetly based on reducing agent in tank RMN_TM_SP_DF - (s) Remaining time for supply module defrost RRDC_AG_RMN - (%) Remaining quantity of reducing agent S_LLMD_V2_DNOX - State of lin lambda value of 2.downstream NOx sensor S_STT_HYD_SCR - Sub state of hydraulic SCR-system S_UR_TANK_TMP - Sensed urea tank temperature SDARS_BSPR_CP - Secondary air system monitoring completed/boost pressure system monitoring completed SDARS_BSTPRE - Secondary air system monitoring/boost pressure system monitoring SPDC_URDC - Set-point duty cycle from urea dosing controller ST_DF_CHK - State of the defrosting check ST_OP_S_PRE_HT - Status of output stage pressure heater ST_OP_S_TK_HT - Status of output stage tank heater STT_HYD_SCR - State of hydraulic SCR-system	REDUCT_INJ_DC	%	Reductant injector duty cycle
RMN_DF_TM_PR_L	REV_VALVE	Off/On	Urea reverting valve
RMN_DF_TM_TK - (s) Remaining defrosting time of the tank RMN_ML_DIRC - (km mile) Remaining mileage directly based on reducing agent in tank RMN_TM_SP_DF - (s) Remaining time for supply module defrost RRDC_AG_RMN - (%) Remaining quantity of reducing agent S_LLMD_V2_DNOX - State of lin lambda value of 2.downstream NOx sensor S_STT_HYD_SCR - Sub state of hydraulic SCR-system S_UR_TANK_TMP °C, °F Sensed urea tank temperature SDARS_BSPR_CP - Secondary air system monitoring completed/boost pressure system monitoring completed SDARS_BSTPRE - Secondary air system monitoring/boost pressure system monitoring SPDC_URDC % Set-point duty cycle from urea dosing controller ST_DF_CHK - State of the defrosting check ST_OP_S_PRE_HT - Status of output stage pressure heater ST_OP_S_TK_HT - Status of output stage tank heater STT_HYD_SCR - State of hydraulic SCR-system	RLA_UR_PMP_PRE	- (hPa)	DEF pump module pressure
RMN_ML_DIRC - (km mile) Remaining mileage directly based on reducing agent in tank RMN_TM_SP_DF - (s) Remaining time for supply module defrost RRDC_AG_RMN - (%) Remaining quantity of reducing agent S_LLMD_V2_DNOX - State of lin lambda value of 2.downstream NOx sensor S_STT_HYD_SCR - Sub state of hydraulic SCR-system S_UR_TANK_TMP °C, °F Sensed urea tank temperature SDARS_BSPR_CP - Secondary air system monitoring completed/boost pressure system monitoring completed SDARS_BSTPRE - Secondary air system monitoring/boost pressure system monitoring SPDC_URDC % Set-point duty cycle from urea dosing controller ST_DF_CHK - State of the defrosting check ST_OP_S_PRE_HT - Status of output stage pressure heater ST_OP_S_TK_HT - Status of output stage tank heater STT_HYD_SCR - State of hydraulic SCR-system	RMN_DF_TM_PR_L	- (s)	Remaining defrosting time of the pressure line
RMN_TM_SP_DF	RMN_DF_TM_TK	- (S)	Remaining defrosting time of the tank
RRDC_AG_RMN	RMN_ML_DIRC	- (km mile)	Remaining mileage dircetly based on reducing agent in tank
S_LLMD_V2_DNOX	RMN_TM_SP_DF	- (s)	Remaining time for supply module defrost
S_STT_HYD_SCR - Sub state of hydraulic SCR-system S_UR_TANK_TMP	RRDC_AG_RMN	- (%)	Remaining quantity of reducing agent
S_UR_TANK_TMP°C, °FSensed urea tank temperatureSDARS_BSPR_CP-Secondary air system monitoring completed/boost pressure system monitoringSDARS_BSTPRE-Secondary air system monitoring/boost pressure system monitoringSPDC_URDC%Set-point duty cycle from urea dosing controllerST_DF_CHK-State of the defrosting checkST_OP_S_PRE_HT-Status of output stage pressure heaterST_OP_S_TK_HT-Status of output stage tank heaterSTT_HYD_SCR-State of hydraulic SCR-system	S_LLMD_V2_DNOX	-	State of lin lambda value of 2.downstream NOx sensor
SDARS_BSPR_CP - Secondary air system monitoring completed/boost pressure system monitoring SDARS_BSTPRE - Secondary air system monitoring/boost pressure system monitoring SPDC_URDC % Set-point duty cycle from urea dosing controller ST_DF_CHK - State of the defrosting check ST_OP_S_PRE_HT - Status of output stage pressure heater ST_OP_S_TK_HT - Status of output stage tank heater STT_HYD_SCR - State of hydraulic SCR-system	S_STT_HYD_SCR	-	Sub state of hydraulic SCR-system
SDARS_BSPR_CP - completed SDARS_BSTPRE - Secondary air system monitoring/boost pressure system monitoring SPDC_URDC % Set-point duty cycle from urea dosing controller ST_DF_CHK - State of the defrosting check ST_OP_S_PRE_HT - Status of output stage pressure heater ST_OP_S_TK_HT - Status of output stage tank heater STT_HYD_SCR - State of hydraulic SCR-system	S_UR_TANK_TMP	°C, °F	Sensed urea tank temperature
SPDC_URDC % Set-point duty cycle from urea dosing controller ST_DF_CHK - State of the defrosting check ST_OP_S_PRE_HT - Status of output stage pressure heater ST_OP_S_TK_HT - Status of output stage tank heater STT_HYD_SCR - State of hydraulic SCR-system	SDARS_BSPR_CP	_	
ST_DF_CHK - State of the defrosting check ST_OP_S_PRE_HT - Status of output stage pressure heater ST_OP_S_TK_HT - Status of output stage tank heater STT_HYD_SCR - State of hydraulic SCR-system	SDARS_BSTPRE	_	Secondary air system monitoring/boost pressure system monitoring
ST_DF_CHK - State of the defrosting check ST_OP_S_PRE_HT - Status of output stage pressure heater ST_OP_S_TK_HT - Status of output stage tank heater STT_HYD_SCR - State of hydraulic SCR-system	SPDC_URDC	%	Set-point duty cycle from urea dosing controller
ST_OP_S_PRE_HT - Status of output stage pressure heater ST_OP_S_TK_HT - Status of output stage tank heater STT_HYD_SCR - State of hydraulic SCR-system	ST_DF_CHK	-	State of the defrosting check
ST_OP_S_TK_HT - Status of output stage tank heater STT_HYD_SCR - State of hydraulic SCR-system	ST_OP_S_PRE_HT	-	Status of output stage pressure heater
STT_HYD_SCR - State of hydraulic SCR-system	ST_OP_S_TK_HT	-	Status of output stage tank heater
	STT_HYD_SCR	-	State of hydraulic SCR-system
	VOLRDC_AG_RMN	- (l)	Remaining quantity of reducing agent [I]



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7.Remove the boost air temperature sensor.



8.Install in the reverse order of removal.

dosing quantity (g): 10 g dosing mass flow (mg/s): 30 mg/s

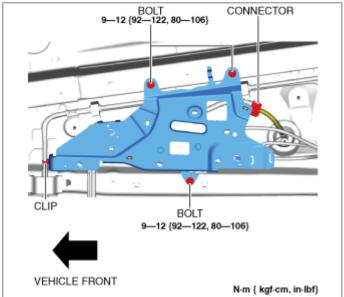
The test result

dosing quantity (g): 9-11 g

dosing mass flow (mg/s): 26-34 mg/s

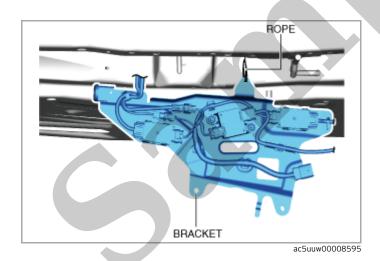
10)Verify that the SCR warning light in the instrument cluster is not turned on.



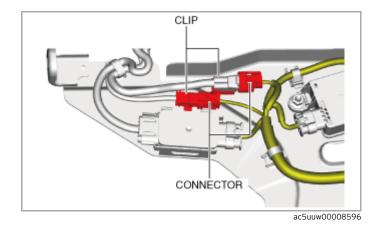


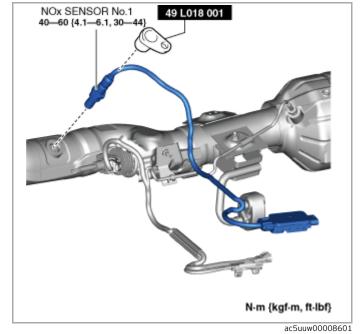
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- 6.Remove the bolts.
- 7. Disconnect the connector.
- 8. Suspend module bracket using a rope as shown in the figure.



9. Disconnect the connectors.



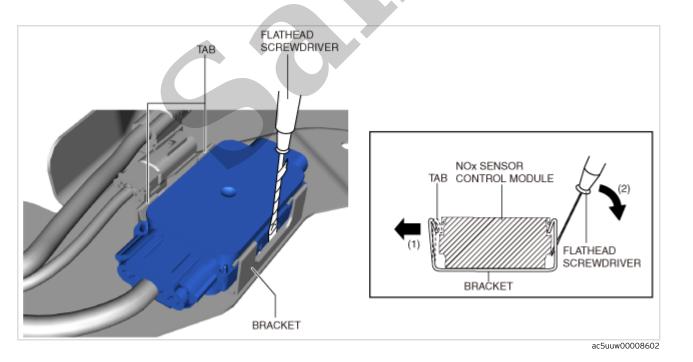


 ${\it 18.} In stall\ in\ the\ reverse\ order\ of\ removal.$

19. Perform compulsory diesel particulate filter regeneration. (See COMPULSORY DIESEL PARTICULATE FILTER REGENERATION [SKYACTIV-D 2.2].)

NOx sensor control module removal note

1.Insert a tape-wrapped flathead screwdriver into the position shown in the figure.

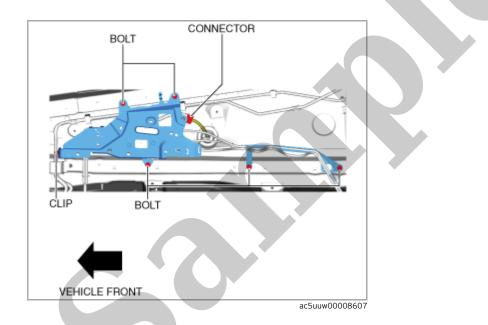


2. While moving the tab of the bracket in the direction of arrow (1), move the flathead screwdriver in the direction of arrow (2) and detach the bracket tabs from the NOx sensor control module.

• Do not disconnect the connector between the NOx sensor control module and NOx sensor. Otherwise, it could adversely affect the NOx sensor control module.

Removal

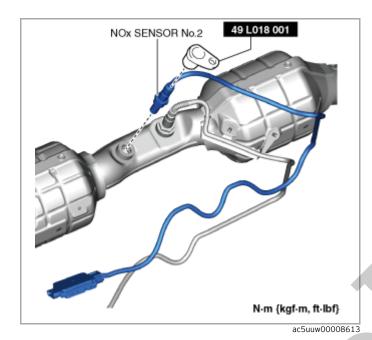
- 1.Disconnect the negative battery terminal. (See NEGATIVE BATTERY TERMINAL DISCONNECTION/CONNECTION.)
- 2.Remove the floor under cover (LH). (See FLOOR UNDER COVER REMOVAL/INSTALLATION.)
- 3.Remove the floor under cover No.2 (RH). (2WD) (See FLOOR UNDER COVER REMOVAL/INSTALLATION.)
- 4.Remove the tunnel member. (2WD) (See EXHAUST SYSTEM REMOVAL/INSTALLATION [SKYACTIV-D 2.2].)
- 5.Remove the clip.



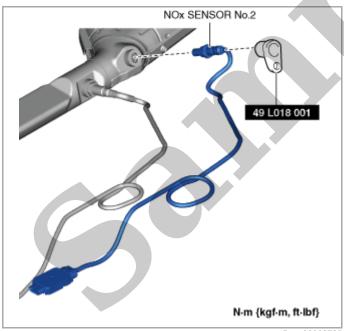
6. Remove the bolts.

- 7. Disconnect the connector.
- 8.Suspend module bracket using a rope as shown in the figure.

2WD



AWD



ac5uuw00008795

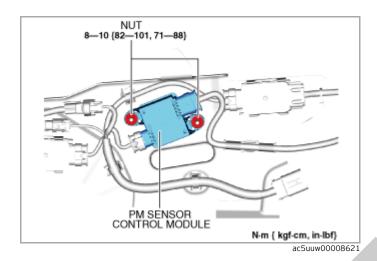
Installation

1.Install the bands. (seeBand installation note.)

2WD

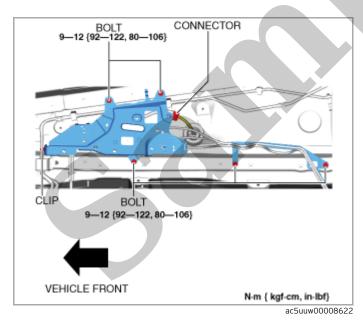
6.Install the NOx sensor control module.

7.Install the PM sensor control module.



8.Install the nuts.

9.Connect the connector.

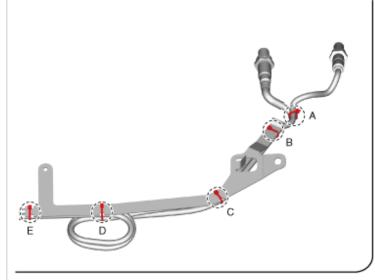


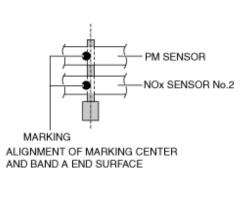
10.Install the bolts.

11.Install the clip.

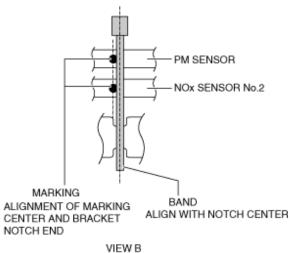
12.Install the tunnel member. (2WD) (See EXHAUST SYSTEM REMOVAL/INSTALLATION [SKYACTIV-D 2.2].)

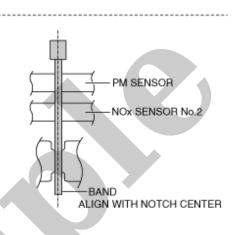
13.Install the floor under cover No.2 (RH). (2WD) (See FLOOR UNDER COVER REMOVAL/INSTALLATION.)



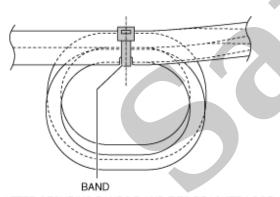


VIEW A





VIEW C



AFTER SECURING BANDS B AND E TO BRACKET, LOOP EXCESS OF TWO WIRING HARNESSES AND SECURE THEM TO BRACKET USING BAND D (ALIGN BAND WITH NOTCH CENTER)

MARKING
ALIGNMENT OF MARKING
CENTER AND BRACKET
NOTCH END

VIEW E

VIEW D

ac5uuw00008624