

SERVICE BULLETIN

GLOBAL AFTER SALES OFFICE, MITSUBISHI MOTORS CORPORATION

PURPOSE : CHANGE	ISSUE NO.: MSB-14EXMLPC17-002	DATE: 2014-05-30	
SUBJECT: CRUISE CONTR	OL	<destination model=""> (As per attached sheet 1)</destination>	<m y=""></m>
GROUP : ENGINE/EMISSI	ON CONTROL (Gr:17)		

1. Description:

Please refer to the attached document for the information about the change of mention in the applicable service manual. (The inspection procedure regarding cruise control switch has been added)

2. Affected service manuals:

Please refer to the attached document (Attached sheet 1)

3. About the details:

Please refer to the attached document (Attached sheets 13-71)

MMNA/MEXICO(Pub No:DRAFT)

Applicable manual	Pub. No.	Applicable title (INFO ID)	Contents
2008 LANCER SERVICE MANUAL	MSCD-106B-2008	SYMPTOM CHART (M172-00-231-79000-01)	Attached
			sheet 13
		Inspection Procedure 8: When the "ON/OFF"	Attached
		Switch is Turned ON, "CRUISE" Indicator	sheet 14
		Light does not Illuminate (However, Cruise	
		Control System is Normal.)	
		(Added under M172-00-441-96400-01)	
2009 LANCER SERVICE MANUAL	MSCD-106B-2009	SYMPTOM CHART (M172-00-231-14300-01)	Attached
			sheet 13
		INSPECTION PROCEDURE 8: When the	Attached
		"ON/OFF" Switch is Turned ON, "CRUISE"	sheet 14
		Indicator Light Inside Combination Meter	
		does not Illuminate (However, Cruise	
		Control System is Normal).	
		(Added under M172-00-441-19100-01)	
2009.5 LANCER SERVICE	MSCD-106B-2009.5	SYMPTOM CHART (M172-00-231-78900-01)	Attached
MANUAL			sheet 13
		Inspection Procedure 11: When the	Attached
		"ON/OFF" Switch is Turned ON, "CRUISE"	sheet 14
		Indicator Light does not Illuminate	
		(However, Cruise Control System is Normal.)	
		(Added under M172-00-441-95300-01)	
2010 LANCER SERVICE MANUAL	MSCD-106B-2010	SYMPTOM CHART (M172-00-231-76700-01)	Attached
			sheet 13
		Inspection Procedure 11: When the	Attached
		"ON/OFF" Switch is Turned ON, "CRUISE"	sheet 14
		Indicator Light does not Illuminate	
		(However, Cruise Control System is Normal.)	
		(Added under M172-00-441-93100-01)	
2011 LANCER/LANCER	MSCD-106B-2011	SYMPTOM CHART (M172-00-232-03800-01)	Attached
SPORTBACK SERVICE MANUAL	(Mexico: DRAFT)		sheet 13
		Inspection Procedure 11: When the	Attached
		"ON/OFF" Switch is Turned ON, "CRUISE"	sheet 14
		Indicator Light does not Illuminate	
		(However, Cruise Control System is Normal.)	
		(Added under M172-00-441-93100-01)	

Applicable manual	Pub. No.	Applicable title (INFO ID)	Contents
2012 LANCER/LANCER	MSCD-106B-2012	SYMPTOM CHART (M172-00-232-03800-01)	Attached
SPORTBACK SERVICE MANUAL	(Mexico: DRAFT)		sheet 13
		Inspection Procedure 11: When the	Attached
2013 LANCER/LANCER	MSCD-106B-2013	"ON/OFF" Switch is Turned ON, "CRUISE"	sheet 14
SPORTBACK SERVICE MANUAL	(Mexico: DRAFT)	Indicator Light does not Illuminate	
		(However, Cruise Control System is Normal.)	
2014 LANCER/LANCER	MSCD-106B-2014	(Added under M172-00-442-37600-01)	
SPORTBACK SERVICE MANUAL	(Mexico: DRAFT)		
2009 LANCER SPORTBACK	MSSP-014B-2009	SYMPTOM CHART (M172-00-231-77800-01)	Attached
SERVICE MANUAL		I (D 1 11. III)	sheet 13
		Inspection Procedure 11: When the	Attached sheet 14
		"ON/OFF" Switch is Turned ON, "CRUISE" Indicator Light does not Illuminate	sneet 14
		(However, Cruise Control System is Normal.)	
		(Added under M172-00-441-94200-01)	
2010 LANCER SPORTBACK	MSCD-014B-2010	SYMPTOM CHART (M172-00-231-75600-01)	Attached
SERVICE MANUAL	111505 0115 2010	51M1 10M C1MW1 (M1/2 00 201 10000 01)	sheet 13
		Inspection Procedure 11: When the	Attached
		"ON/OFF" Switch is Turned ON, "CRUISE"	sheet 14
		Indicator Light does not Illuminate	
		(However, Cruise Control System is Normal.)	
		(Added under M172-00-441-92000-01)	
2008 LANCER EVOLUTION	MSCD-206B-2008	SYMPTOM CHART (M172-00-231-45500-01)	Attached
SERVICE MANUAL		T D	sheet 15
		Inspection Procedure 7: When the "ON/OFF"	Attached
		Switch is Turned ON, "CRUISE" Indicator	sheet 16
		Light does not Illuminate (However, Cruise Control System is Normal.)	
		(Added under M172-00-441-98600-01)	
2009 LANCER EVOLUTION	MSCD-206B-2009	SYMPTOM CHART (M172-00-231-40000-01)	Attached
SERVICE MANUAL	MDCD 200D 2003	51W1 10W 01MW1 (W172 00 201 40000 01)	sheet 15
		Inspection Procedure 7: When the "ON/OFF"	Attached
		Switch is Turned ON, "CRUISE" Indicator	sheet 16
		Light does not Illuminate (However, Cruise	
		Control System is Normal.)	
		(Added under M172-00-441-98600-01)	
2010 LANCER EVOLUTION	MSCD-206B-2010	SYMPTOM CHART (M172-00-231-80800-01)	Attached
SERVICE MANUAL		I CONTORPOR	sheet 15
		Inspection Procedure 7: When the "ON/OFF"	Attached
		Switch is Turned ON, "CRUISE" Indicator Light does not Illuminate (However, Cruise	sheet 16
		Control System is Normal.)	
		(Added under M172-00-441-97500-01)	
2011 LANCER EVOLUTION	MSCD-206B-2011	SYMPTOM CHART (M172-00-231-80800-01)	Attached
SERVICE MANUAL			sheet 15
2012 LANCER EVOLUTION	MSCD-206B-2012	Inspection Procedure 7: When the "ON/OFF"	Attached
SERVICE MANUAL		Switch is Turned ON, "CRUISE" Indicator	sheet 16
2013 LANCER EVOLUTION	MSCD-206B-2013	Light does not Illuminate (However, Cruise	
SERVICE MANUAL	Made coop cost	Control System is Normal.)	
2014 LANCER EVOLUTION	MSCD-206B-2014	(Added under M172-00-442-29100-01)	
SERVICE MANUAL 2011 OUTLANDER SPORT	MSCD-017B-2011	SYMPTOM CHART (M172-00-232-10200-01)	Attachad
SERVICE MANUAL	M2CD-01/B-2011	SIMPIUM CHARI (M172-00-232-10200-01)	Attached sheet 17
2012 OUTLANDER SPORT	MSCD-017B-2012	Inspection Procedure 8: When "ON/OFF"	Attached
SERVICE MANUAL	111000 0110 2012	Switch is Turned ON, "CRUISE" Indicator	sheet 18
2013 OUTLANDER SPORT	MSCD-017B-2013	Light Inside Combination Meter does not	511000 10
SERVICE MANUAL		Illuminate (However, Cruise Control System	
		is Normal).	
		(Added under M172-00-442-30900-01)	
2014 OUTLANDER SPORT	MSCD-017B-2014	SYMPTOM CHART (M172-00-232-35100-01)	Attached
SERVICE MANUAL	(Mexico: DRAFT)		sheet 17
		Inspection Procedure 8: When "CRUISE	Attached
		ON/OFF" Switch is Turned ON, "CRUISE"	sheet 18
		Indicator Light Inside Combination Meter	
		does not Illuminate (However, Cruise Control System is Normal).	
		(Added under M172-00-442-52500-01)	
	1	(Added dilder W1172-00-442-52500-01)	

Applicable manual	Pub. No.	Applicable title (INFO ID)	Contents
2007 OUTLANDER SERVICE	MSCD-007B-2007	SYMPTOM CHART (M172-00-230-96800-01)	Attached
MANUAL			sheet 19
		Inspection Procedure 6: When "ON/OFF"	Attached
		Switch is Turned "ON", "CRUISE" Indicator	sheet 20
		Light Inside Combination Meter does not	
		Illuminate (However, Cruise Control System	
		is Normal).	
		(Added under M172-00-441-01600-01)	
2008 OUTLANDER SERVICE	MSCD-007B-2008	SYMPTOM CHART (M172-00-231-15400-01)	Attached
MANUAL			sheet 19
		Inspection Procedure 6: When "ON/OFF"	Attached
		Switch is Turned "ON", "CRUISE" Indicator	sheet 20
		Light Inside Combination Meter does not	
		Illuminate (However, Cruise Control System	
		is Normal).	
		(Added under M172-00-441-20900-01)	
2009 OUTLANDER SERVICE	MSCD-007B-2009	SYMPTOM CHART (M172-00-231-32500-01)	Attached
MANUAL			sheet 19
		Inspection Procedure 6: When "ON/OFF"	Attached
2010 OUTLANDER SERVICE	MSCD-007B-2010	Switch is Turned "ON", "CRUISE" Indicator	sheet 20
MANUAL		Light Inside Combination Meter does not	
		Illuminate (However, Cruise Control System	
		is Normal).	
		(Added under M172-00-441-36200-01)	
2011 OUTLANDER SERVICE	MSCD-007B-2011	SYMPTOM CHART (M172-00-232-11300-01)	Attached
MANUAL	(Mexico: DRAFT)		sheet 19
		Inspection Procedure 6: When "ON/OFF"	Attached
2012 OUTLANDER SERVICE	MSCD-007B-2012	Switch is Turned ON, "CRUISE" Indicator	sheet 20
MANUAL	(Mexico: DRAFT)	Light Inside Combination Meter does not	
		Illuminate (However, Cruise Control System	
		is Normal).	
		(Added under M172-00-442-31000-01)	

EU/RUSSIA(Pub No:N/A)

Applicable manual	Pub. No.	Applicable title (INFO ID)	Contents
2008 LANCER Workshop Manual	CG1E08E2-CD (Eng)	CHECK CHART FOR TROUBLE	Attached
	CG1F08E2-CD (Fre)	SYMPTOMS (M172-00-231-10900-01)	sheet 21
	CG1G08E2-CD (Ger)	Inspection Procedure 8: When "ON/OFF"	Attached
	CG1S08E2-CD (Spa)	Switch is Turned ON, the Cruise Control	sheet 22
	(Russia: N/A)	Indicator Lamp does not Illuminate	
		(However, the Cruise Control System is	
		Normal).	
		(Added under M172-00-441-15700-01)	
		CHECK CHART FOR TROUBLE	Attached
		SYMPTOMS (M172-00-231-11000-01)	sheet 23
		Inspection Procedure 6: When "ON/OFF"	Attached
		Switch is Turned ON, the Cruise Control	sheet 24
		Indicator Lamp does not Illuminate	
		(However, the Cruise Control System is	
		Normal).	
		(Added under M172-00-441-16800-01)	
2009 LANCER Workshop Manual	CG1E09E1-CD (Eng)	CHECK CHART FOR TROUBLE	Attached
	CG1F09E1-CD (Fre)	SYMPTOMS (M172-00-231-27300-01)	sheet 21
	CG1G09E1-CD (Ger)	Inspection Procedure 11: When	Attached
	CG1S09E1-CD (Spa)	"ON/OFF" Switch is Turned ON, the	sheet 22
	CG1I09E1-CD (Ita)	Cruise Control Indicator Lamp does not	
	(Russia: N/A)	Illuminate (However, the Cruise Control	
		System is Normal).	
		(Added under M172-00-441-31700-01)	
		CHECK CHART FOR TROUBLE	Attached
		SYMPTOMS (M172-00-231-11000-01)	sheet 23
		Inspection Procedure 6: When "ON/OFF"	Attached
		Switch is Turned ON, the Cruise Control	sheet 24
		Indicator Lamp does not Illuminate	
		(However, the Cruise Control System is	
		Normal).	
		(Added under M172-00-441-32800-01)	

Applicable manual	Pub. No.	Applicable title (INFO ID)	Contents
2010 LANCER Workshop Manual	CG1E10E1-CD (Eng)	CHECK CHART FOR TROUBLE	Attached
•	CG1F10E1-CD (Fre)	SYMPTOMS (M172-00-231-65900-01)	sheet 21
	CG1G10E1-CD (Ger)	Inspection Procedure 11: When the	Attached
	CG1S10E1-CD (Spa)	"ON/OFF" Switch is Turned ON, the	sheet 22
	CG1I10E1-CD (Ita)	Cruise Control Indicator Lamp does not	
	(Russia: N/A)	Illuminate (However, the Cruise Control	
		System is Normal).	
		(Added under M172-00-441-79300-01) CHECK CHART FOR TROUBLE	Attached
		SYMPTOMS (M172-00-231-74500-01)	sheet 23
		Inspection Procedure 6: When "ON/OFF"	Attached
		Switch is Turned ON, the Cruise Control	sheet 24
		Indicator Lamp does not Illuminate	511000 2 1
		(However, the Cruise Control System is	
		Normal).	
		(Added under M172-00-441-91900-01)	
2011 LANCER/LANCER	CG1E11E1-CD (Eng)	CHECK CHART FOR TROUBLE	Attached
SPORTBACK Workshop Manual	CG1F11E1-CD (Fre)	SYMPTOMS (M172-00-231-65900-01)	sheet 25
	CG1G11E1-CD (Ger)	Inspection Procedure 11: When the	Attached
	CG1S11E1-CD (Spa)	"ON/OFF" Switch is Turned ON, the	sheet 26
	CG1I11E1-CD (Ita)	Cruise Control Indicator Lamp does not	
	(Russia: N/A)	Illuminate (However, the Cruise Control	
		System is Normal). (Added under M172-00-441-79300-01)	
		CHECK CHART FOR TROUBLE	Attached
		SYMPTOMS (M172-00-231-66000-01)	sheet 27
		Inspection Procedure 6: When the	Attached
		"ON/OFF" Switch is Turned ON, the	sheet 28
		Cruise Control Indicator Lamp does not	
		Illuminate (However, the Cruise Control	
		System is Normal).	
		(Added under M172-00-441-80100-01)	
2012 LANCER/LANCER	CGSE12E1-CD (Eng)	CHECK CHART FOR TROUBLE	Attached
SPORTBACK Workshop Manual	CGSF12E1-CD (Fre)	SYMPTOMS (M172-00-232-16800-01)	sheet 25
	CGSG12E1-CD (Ger) CGSS12E1-CD (Spa)	Inspection Procedure 8: When the	Attached sheet 26
	CGSI12E1-CD (Spa)	"ON/OFF" Switch is Turned ON, the Cruise Control Indicator Lamp does not	sneet 26
	(Russia: N/A)	Illuminate (However, the Cruise Control	
	(2000)	System is Normal).	
2013 LANCER/LANCER	CCAE13E1-CD (Eng)	(Added under M172-00-442-36500-01)	
SPORTBACK Workshop Manual	CCAF13E1-CD (Fre)	CHECK CHART FOR TROUBLE	Attached
	CCAG13E1-CD (Ger)	SYMPTOMS (M172-00-231-66000-01)	sheet 27
	CCAS13E1-CD (Spa)	Inspection Procedure 6: When the	Attached
	CCAI13E1-CD (Ita)	"ON/OFF" Switch is Turned ON, the	sheet 28
	(Russia: N/A)	Cruise Control Indicator Lamp does not	
		Illuminate (However, the Cruise Control	
		System is Normal).	
2000 I ANCED CDODWD A CIZ	CG4E09E1-CD (Eng)	(Added under M172-00-441-80100-01) CHECK CHART FOR TROUBLE	A 441 1
2009 LANCER SPORTBACK Workshop Manual	CG4F09E1-CD (Eng)	SYMPTOMS (M172-00-231-28400-01)	Attached sheet 21
workshop manuar	CG4G09E1-CD (Ger)	Inspection Procedure 11: When	Attached
	CG4S09E1-CD (Spa)	"ON/OFF" Switch is Turned ON, the	sheet 22
	CG4I09E1-CD (Ita)	Cruise Control Indicator Lamp does not	511000 22
	(Russia: N/A)	Illuminate (However, the Cruise Control	
		System is Normal).	
		(Added under M172-00-441-33900-01)	
		CHECK CHART FOR TROUBLE	Attached
		SYMPTOMS (M172-00-231-29500-01)	sheet 23
		Inspection Procedure 6: When "ON/OFF"	Attached
		Switch is Turned ON, the Cruise Control	sheet 24
		Indicator Lamp does not Illuminate	
		(However, the Cruise Control System is Normal).	
		(Added under M172-00-441-34000-01)	
	1	vauded under 1911 (2 00 441-94000-01)	

Applicable manual	Pub. No.	Applicable title (INFO ID)	Contents
2010 LANCER SPORTBACK	CG4E10E1-CD (Eng)	CHECK CHART FOR TROUBLE	Attached
Workshop Manual	CG4F10E1-CD (Fre)	SYMPTOMS (M172-00-231-63700-01)	sheet 21
	CG4G10E1-CD (Ger) CG4S10E1-CD (Spa)	Inspection Procedure 11: When the "ON/OFF" Switch is Turned ON, the	Attached sheet 22
	CG4I10E1-CD (Ita)	Cruise Control Indicator Lamp does not	sneet 22
	(Russia: N/A)	Illuminate (However, the Cruise Control	
		System is Normal).	
		(Added under M172-00-441-78200-01)	
		CHECK CHART FOR TROUBLE SYMPTOMS (M172-00-231-73400-01)	Attached
		Inspection Procedure 6: When "ON/OFF"	sheet 23 Attached
		Switch is Turned ON, the Cruise Control	sheet 24
		Indicator Lamp does not Illuminate	
		(However, the Cruise Control System is	
		Normal).	
2009 LANCER EVOLUTION	CGEE09E1-CD (Eng)	(Added under M172-00-441-90800-01) CHECK CHART FOR TROUBLE	Attached
Workshop Manual	CGEF09E1-CD (Fre)	SYMPTOMS (M172-00-231-22800-01)	sheet 29
1	CGEG09E1-CD (Ger)	Inspection Procedure 7: When "ON/OFF"	Attached
	CGES09E1-CD (Spa)	Switch is Turned ON, the Cruise Control	sheet 30
	CGEI09E1-CD (Ita)	Indicator Lamp does not Illuminate	
		(However, the Cruise Control System is Normal).	
		(Added under M172-00-441-28700-01)	
2010 LANCER EVOLUTION	CGEE10E1-CD (Eng)	CHECK CHART FOR TROUBLE	Attached
Workshop Manual	CGEF10E1-CD (Fre)	SYMPTOMS (M172-00-231-22800-01)	sheet 29
	CGEG10E1-CD (Ger)	Inspection Procedure 7: When "ON/OFF"	Attached
	CGES10E1-CD (Spa) CGEI10E1-CD (Ita)	Switch is Turned ON, the Cruise Control Indicator Lamp does not Illuminate	sheet 30
	(Russia: N/A)	(However, the Cruise Control System is	
		Normal).	
		(Added under M172-00-441-28700-01)	
2011 LANCER EVOLUTION Workshop Manual	CGEE11E1-CD (Eng) CGEF11E1-CD (Fre)	CHECK CHART FOR TROUBLE SYMPTOMS (M172-00-232-06100-01)	Attached sheet 29
workshop Manuai	CGEG11E1-CD (Ger)	Inspection Procedure 7: When "ON/OFF"	Attached
	CGES11E1-CD (Spa)	Switch is Turned ON, the Cruise Control	sheet 30
	CGEI11E1-CD (Ita)	Indicator Lamp does not Illuminate	
	(Russia: N/A)	(However, the Cruise Control System is	
2012 I ANGED EVOLUTION	CGEE12E1-CD (Eng)	Normal). (Added under M172-00-442-26800-01)	
2012 LANCER EVOLUTION Workshop Manual	CGEF12E1-CD (Fre)	(Audeu under W172 00 442 20000 01)	
Workshop Wandar	CGEG12E1-CD (Ger)		
	CGES12E1-CD (Spa)		
	CGEI12E1-CD (Ita)		
	(Russia: N/A)		
2013 LANCER EVOLUTION	CCZE13E1-CD (Eng)		
Workshop Manual	CCZF13E1-CD (Fre)		
ornonop manuar	CCZG13E1-CD (Ger)		
	CCZS13E1-CD (Spa)		
	CCZI13E1-CD (Ita) (Russia: N/A)		
2011 ASX Workshop Manual	CGWE11E2-CD (Eng)	TROUBLESHOOTING (Added under	Attached
_	CGWF11E2-CD (Fre)	M172-00-070-62500-01)	sheet 31
	CGWG11E2-CD (Ger)	CHECK CHART FOR TROUBLE	Attached
	CGWS11E2-CD (Spa) CGWI11E2-CD (Ita)	SYMPTOMS (M172-00-231-97200-01) Inspection Procedure 6: When the	sheet 32 Attached
	(Russia: N/A)	"ON/OFF" Switch is Turned ON, the	sheet 33
	(South Africa: DRAFT)	Cruise Control Indicator Lamp does not	,
		Illuminate (However, the Cruise Control	
		System is Normal).	
		(Added under M172-00-442-15000-01)	<u> </u>

Applicable manual	Pub. No.	Applicable title (INFO ID)	Contents
2012 ASX Workshop Manual	CGWE12E1-CD (Eng)	Inspection Procedure 6: Hunting	Attached
1	CGWF12E1-CD (Fre)	(Repeated Acceleration and	sheet 31
	CGWG12E1-CD (Ger)	Deceleration) Occurs at the Set Vehicle	
	CGWS12E1-CD (Spa)	Speed <4A9>.	
	CGWI12E1-CD (Ita)	(Added under M172-00-433-02601-01)	
	(Russia: N/A)	CHECK CHART FOR TROUBLE	Attached
	(South Africa: DRAFT)	SYMPTOMS (M172-00-231-97200-01)	sheet 32
		Inspection Procedure 6: When the	Attached
2013 ASX Workshop Manual	CGAE13E2-CD (Eng)	"ON/OFF" Switch is Turned ON, the	sheet 33
•	CGAF13E2-CD (Fre)	Cruise Control Indicator Lamp does not	
	CGAG13E2-CD (Ger)	Illuminate (However, the Cruise Control	
	CGAS13E2-CD (Spa)	System is Normal).	
	CGAI13E2-CD (Ita)	(Added under M172-00-442-15000-01)	
	(Russia: N/A)		
	(South Africa: DRAFT)		
2014 ASX Workshop Manual	CGAE14E1-CD (Eng)	Inspection Procedure 6: Hunting	Attached
•	CGAF14E1-CD (Fre)	(Repeated Acceleration and	sheet 31
	CGAG14E1-CD (Ger)	Deceleration) Occurs at the Set Vehicle	
	CGAS14E1-CD (Spa)	Speed $<4A9>$.	
	CGAI14E1-CD (Ita)	(Added under M172-00-433-02601-01)	
	(Russia: N/A)	CHECK CHART FOR TROUBLE	Attached
	(South Africa: DRAFT)	SYMPTOMS (M172-00-232-33900-01)	sheet 32
		Inspection Procedure 7: When the	Attached
2015 ASX Workshop Manual	CGAE15E1-CD (Eng)	Selector Lever is Set to "N" Position,	sheet 33
_	CGAF15E1-CD (Fre)	Cruise Control is not Cancelled .	
	CGAG15E1-CD (Ger)	(Added under M172-00-452-26500-01)	
	CGAS15E1-CD (Spa)		
	CGAI15E1-CD (Ita)		
	(Russia: N/A)		
	(South Africa: DRAFT)		
2007 OUTLANDER Workshop	CGXE07E1-CD (Eng)	CHECK CHART FOR TROUBLE	Attached
Manual	CGXF07E1-CD (Fre)	SYMPTOMS (M172-00-230-73100-01)	sheet 34
	CGXG07E1-CD (Ger)	INSPECTION PROCEDURE 6: When	Attached
	CGXS07E1-CD (Spa)	the auto-cruise control MAIN switch is	sheet 35
		turned ON, the auto-cruise control	
		indicator lamp does not illuminate.	
		(However, the auto-cruise control system	
		is normal).	
		(Added under M172-00-440-77800-01)	
2007 OUTLANDER Workshop	N/A	CHECK CHART FOR TROUBLE	Attached
Manual*1		SYMPTOMS (M172-00-230-77500-01)	sheet 36
		Inspection Procedure 6: When the	Attached
		Auto-cruise Control "ON/OFF" (MAIN)	sheet 37
		Switch is Turned ON, the Auto-cruise	
		Control Indicator Lamp does not	
		Illuminate. (However, the Auto-cruise	
		Control System is Normal).	
		(Added under M172-00-440-81900-01)	

NOTE:

^{*1:} Russia (KD)

Applicable manual	Pub. No.	Applicable title (INFO ID)	Contents
2008 OUTLANDER Workshop	CGXE08E2-CD (Eng)	CHECK CHART FOR TROUBLE	Attached
Manual	CGXF08E2-CD (Fre)	SYMPTOMS <4B1, 6B3>	sheet38
	CGXG08E2-CD (Ger)	(M172-00-230-97900-01)	
	CGXS08E2-CD (Spa) (Russia: N/A)	CHECK CHART FOR TROUBLE	Attached
		SYMPTOMS <bsy></bsy>	sheet 40
		(M172-00-230-98000-01)	
		CHECK CHART FOR TROUBLE	Attached
		SYMPTOMS <4HN>	sheet 42
		(M172-00-230-99100-01)	
		Inspection Procedure 8: When "ON/OFF"	Attached
		Switch is Turned ON, the Cruise Control	sheet 39
		Indicator Lamp does not Illuminate	
		(However, the Cruise Control System is	
		Normal).	
		(Added under M172-00-441-03800-01)	A 1 1
		Inspection Procedure 6: When "ON/OFF"	Attached sheet 41
		Switch is Turned ON, the Cruise Control Indicator Lamp does not Illuminate	sneet 41
		(However, the Cruise Control System is	
		Normal).	
		(Added under M172-00-441-04900-01)	
		Inspection Procedure 6: When "ON/OFF"	Attached
		Switch is Turned ON, the Cruise Control	sheet 43
		Indicator Lamp does not Illuminate	511000 40
		(However, the Cruise Control System is	
		Normal).	
		(Added under M172-00-441-05000-01)	
2009 OUTLANDER Workshop	CGXE09E2-CD (Eng)	CHECK CHART FOR TROUBLE	Attached
Manual	CGXF09E2-CD (Fre)	SYMPTOMS <4B1, 6B3>	sheet 38
	CGXG09E2-CD (Ger)	(M172-00-231-58500-01)	
	CGXS09E2-CD (Spa)	CHECK CHART FOR TROUBLE	Attached
	CGXI09E2-CD (Ita)	SYMPTOMS <bsy></bsy>	sheet 40
	(Russia: N/A)	(M172-00-231-59600-01)	
		CHECK CHART FOR TROUBLE	Attached
		SYMPTOMS <4HN>	sheet 42
		(M172-00-231-57400-01)	
		Inspection Procedure 8: When the	Attached
		"ON/OFF" Switch is Turned ON, the	sheet 39
		Cruise Control Indicator Lamp does not	
		Illuminate (However, the Cruise Control	
		System is Normal).	
		(Added under M172-00-441-68500-01)	
		Inspection Procedure 6: When the	Attached
		"ON/OFF" Switch is Turned ON, the	sheet 41
		Cruise Control Indicator Lamp does not	
		Illuminate (However, the Cruise Control	
		System is Normal).	
		(Added under M172-00-441-69600-01)	Attached
		Inspection Procedure 6: When "ON/OFF"	
		Switch is Turned ON, the Cruise Control	sheet 43
		Indicator Lamp does not Illuminate (However, the Cruise Control System is	
		Normal).	
	1	LINOTHIAD.	1
		(Added under M172-00-441-05000-01)	

Applicable manual	Pub. No.	Applicable title (INFO ID)	Contents
2010 OUTLANDER Workshop	CGXE10E1-CD (Eng)	CHECK CHART FOR TROUBLE	Attached
Manual	CGXF10E1-CD (Fre)	SYMPTOMS (M172-00-231-68200-01)	sheet 40
	CGXG10E1-CD (Ger)	Inspection Procedure 6: When the	Attached
	CGXS10E1-CD (Spa)	"ON/OFF" Switch is Turned ON, the	sheet 41
	CGXI10E1-CD (Ita) (Russia: N/A)	Cruise Control Indicator Lamp does not Illuminate (However, the Cruise Control	
	(Itussia: IVIA)	System is Normal).	
		(Added under M172-00-441-83400-01)	
		CHECK CHART FOR TROUBLE	Attached
		SYMPTOMS (M172-00-231-69300-01)	sheet 38
		Inspection Procedure 8: When the	Attached
		"ON/OFF" Switch is Turned ON, the	sheet 39
		Cruise Control Indicator Lamp does not	
		Illuminate (However, the Cruise Control System is Normal).	
		(Added under M172-00-441-84500-01)	
		CHECK CHART FOR TROUBLE	Attached
		SYMPTOMS (M172-00-231-70100-01)	sheet 42
		Inspection Procedure 7: When the	Attached
		"ON/OFF" Switch is Turned ON, the	sheet 43
		Cruise Control Indicator Lamp does not Illuminate (However, the Cruise Control	
		System is Normal).	
		(Added under M172-00-441-86700-01)	
2011 OUTLANDER Workshop	CGXE11E1-CD (Eng)	CHECK CHART FOR TROUBLE	Attached
Manual	CGXF11E1-CD (Fre)	SYMPTOMS (M172-00-231-69300-01)	sheet 38
	CGXG11E1-CD (Ger)	Inspection Procedure 8: When the	Attached
	CGXS11E1-CD (Spa)	"ON/OFF" Switch is Turned ON, the	sheet 39
	CGXI11E1-CD (Ita) (Russia: N/A)	Cruise Control Indicator Lamp does not Illuminate (However, the Cruise Control	
	(Itussia: IV/A)	System is Normal).	
2012 OUTLANDER Workshop	CGXE12E1-CD (Eng)	(Added under M172-00-441-84500-01)	
Manual	CGXF12E1-CD (Fre)	CHECK CHART FOR TROUBLE	Attached
	CGXG12E1-CD (Ger)	SYMPTOMS (M172-00-232-02700-01)	sheet 42
	CGXS12E1-CD (Spa)	Inspection Procedure 6: When the	Attached
	CGXI12E1-CD (Ita)	"ON/OFF" Switch is Turned ON, the	sheet 43
	(Russia: N/A)	Cruise Control Indicator Lamp does not Illuminate (However, the Cruise Control	
		System is Normal).	
		(Added under M172-00-442-22400-01)	
		CHECK CHART FOR TROUBLE	Attached
		SYMPTOMS (M172-00-232-01600-01)	sheet 44
		Inspection Procedure 6: When the	Attached
		"ON/OFF" Switch is Turned ON, the	sheet 45
		Cruise Control Indicator Lamp does not	
		Illuminate (However, the Cruise Control System is Normal).	
		(Added under M172-00-442-21300-01)	
2008 4007 (PEUGEOT)/C-Crosser	N/A	CHECK CHART FOR TROUBLE	Attached
(CITROEN) Workshop Manual		SYMPTOMS <4HN>	sheet 46
		(M172-00-231-13200-01)	
		Inspection Procedure 6: When "ON/OFF"	Attached
		Switch is Turned ON, the Cruise Control	sheet 47
		Indicator Lamp does not Illuminate (However, the Cruise Control System is	
		Normal).	
		(Added under M172-00-441-17900-01)	
		CHECK CHART FOR TROUBLE	Attached
		SYMPTOMS <4B12>	sheet 48
		(M172-00-231-12100-01)	A
		Inspection Procedure 8: When "ON/OFF"	Attached
		Switch is Turned ON, the Cruise Control Indicator Lamp does not Illuminate	sheet 49
		(However, the Cruise Control System is	
		Normal).	
		(Added under M172-00-441-18000-01)	

Applicable manual	Pub. No.	Applicable title (INFO ID)	Contents
2009 4007 (PEUGEOT)/C-Crosser	N/A	CHECK CHART FOR TROUBLE	Attached
(CITROEN) Workshop Manual		SYMPTOMS <4HN>	sheet 46
		(M172-00-231-60400-01)	
		Inspection Procedure 7: When the	Attached
		"ON/OFF" Switch is Turned ON, the	sheet 47
		Cruise Control Indicator Lamp does not	
		Illuminate (However, the Cruise Control	
		System is Normal).	
		(Added under M172-00-441-71500-01)	
		CHECK CHART FOR TROUBLE	Attached
		SYMPTOMS <4B12>	sheet 48
		(M172-00-231-61500-01)	
		Inspection Procedure 8: When the	Attached
		"ON/OFF" Switch is Turned ON, the	sheet 49
		Cruise Control Indicator Lamp does not	
		Illuminate (However, the Cruise Control	
		System is Normal). (Added under M172-00-441-72600-01)	
2010 4007 (PEUGEOT)/C-Crosser	N/A	CHECK CHART FOR TROUBLE	A + + ll
(CITROEN) Workshop Manual	N/A	SYMPTOMS (M172-00-231-71200-01)	Attached sheet 46
(CITICEN) Workshop Manuar		Inspection Procedure 7: When the	Attached
		"ON/OFF" Switch is Turned ON, the	sheet 47
		Cruise Control Indicator Lamp does not	SHEEL 47
		Illuminate (However, the Cruise Control	
		System is Normal).	
		(Added under M172-00-441-88900-01)	
		CHECK CHART FOR TROUBLE	Attached
		SYMPTOMS (M172-00-231-72300-01)	sheet 48
		Inspection Procedure 8: When the	Attached
		"ON/OFF" Switch is Turned ON, the	sheet 49
		Cruise Control Indicator Lamp does not	
		Illuminate (However, the Cruise Control	
		System is Normal).	
		(Added under M172-00-441-89000-01)	
2008 PAJERO/MONTERO	CBKE08E1-CD (Eng)	CHECK CHART FOR TROUBLE	Attached
Workshop Manual	CBKF08E1-CD (Fre)	SYMPTOMS <6G7>	sheet 50
	CBKG08E1-CD (Ger)	(M172-00-230-91300-01)	
	CBKS08E1-CD (Spa) (Russia: N/A)	CHECK CHART FOR TROUBLE	Attached
	(Russia: N/A)	SYMPTOMS <4M4>	sheet 52
		(M172-00-230-92400-01)	A + +
		Inspection Procedure 6: When the Auto-cruise Control "ON/OFF" (MAIN)	Attached sheet 51
		Switch is Turned ON, the Auto-cruise	sheet 51
		Control Indicator Lamp does not	
		Illuminate. (However, the Auto-cruise	
		Control System is Normal) <6G7>.	
		(Added under M172-00-440-96100-01)	
		Inspection Procedure 7: When the	Attached
		Auto-cruise Control "ON/OFF" (MAIN)	sheet 53
		Switch is Turned ON, the Auto-cruise	
		Control Indicator Lamp does not	
		Illuminate. (However, the auto-cruise	
		control system is normal) <4M4>.	
		(Added under M172-00-440-97200-01)	İ

Applicable manual	Pub. No.	Applicable title (INFO ID)	Contents
2009 PAJERO/MONTERO Workshop Manual	CBKE09E1-CD (Eng) CBKF09E1-CD (Fre) CBKG09E1-CD (Ger)	CHECK CHART FOR TROUBLE SYMPTOMS <6G7> (M172-00-231-33600-01)	Attached sheet 50
	CBKS09E1-CD (Spa) CBKI09E1-CD (Ita)	CHECK CHART FOR TROUBLE SYMPTOMS <4M4>	Attached sheet 52
	(Russia: N/A)	(M172-00-231-34700-01) Inspection Procedure 6: When "ON/OFF" Switch is Turned ON, the Cruise Control Indicator Lamp does not Illuminate (However, the Cruise Control System is Normal.)	Attached sheet 51
		(Added under M172-00-441-39500-01) Inspection Procedure 7: When "ON/OFF" Switch is Turned ON, the Cruise Control Indicator Lamp does not Illuminate (However, the Cruise Control System is Normal.) (Added under M172-00-441-40300-01)	Attached sheet 53
2009.5 PAJERO/MONTERO Workshop	CBKE09E2-CD (Eng)	CHECK CHART FOR TROUBLE	Attached
Manual	CBKF09E2-CD (Fre) CBKG09E2-CD (Ger)	SYMPTOMS <6G7> (M172-00-231-33600-01)	sheet 50
	CBKS09E2-CD (Spa) CBKI09E2-CD (Ita) (Russia: N/A)	CHECK CHART FOR TROUBLE SYMPTOMS <4M4> (M172-00-231-34700-01)	Attached sheet 52
2010 PAJERO/MONTERO Workshop Manual	CBKE10E1-CD (Eng) CBKF10E1-CD (Fre) CBKG10E1-CD (Ger) CBKS10E1-CD (Spa) CBKI10E1-CD (Ita)	Inspection Procedure 6: When "ON/OFF" Switch is Turned ON, the Cruise Control Indicator Lamp does not Illuminate (However, the Cruise Control System is Normal.) (Added under M172-00-441-65200-01)	Attached sheet 51
	(Russia: N/A)	Inspection Procedure 7: When "ON/OFF" Switch is Turned ON, the Cruise Control Indicator Lamp does not Illuminate (However, the Cruise Control System is Normal.) (Added under M172-00-441-66300-01)	Attached sheet 53
2011 PAJERO/MONTERO Workshop Manual	CBKE11E1-CD (Eng) CBKF11E1-CD (Fre) CBKG11E1-CD (Ger)	CHECK CHART FOR TROUBLE SYMPTOMS <6G7> (M172-00-232-04900-01)	Attached sheet 50
	CBKS11E1-CD (Spa) CBKI11E1-CD (Ita) (Russia: N/A)	Inspection Procedure 7: When "ON/OFF" Switch is Turned ON, the Cruise Control Indicator Lamp does not Illuminate (However, the Cruise Control System is	Attached sheet 51
2012 PAJERO/MONTERO Workshop Manual	CBKE12E1-CD (Eng) CBKF12E1-CD (Fre) CBKG12E1-CD (Ger)	Normal). (Added under M172-00-442-24600-01) CHECK CHART FOR TROUBLE	Attached
	CBKS12E1-CD (Spa) CBKI12E1-CD (Ita) (Russia: N/A)	SYMPTOMS <4M4> (M172-00-232-05000-01)	sheet 52
2013 PAJERO/MONTERO Workshop Manual	CVWE13E1-CD (Eng) CVWF13E1-CD (Fre) CVWG13E1-CD (Ger) CVWS13E1-CD (Spa) CVWI13E1-CD (Ita) (Russia: N/A)	Inspection Procedure 7: When "ON/OFF" Switch is Turned ON, the Cruise Control Indicator Lamp does not Illuminate (However, the Cruise Control System is Normal.) (Added under M172-00-442-25700-01)	Attached sheet 53
2015 PAJERO/MONTERO Workshop Manual	CVWE15E1-CD (Eng) CVWF15E1-CD (Fre) CVWG15E1-CD (Ger) CVWS15E1-CD (Spa) CVWI15E1-CD (Ita) (Russia: N/A)		
2009 L200 Workshop Manual	CCRE09E1-CD (Eng) CCRF09E1-CD (Fre)	CHECK CHART FOR TROUBLE SYMPTOMS (M172-00-231-21700-01)	Attached sheet 54
	CCRF09E1-CD (Fre) CCRS09E1-CD (Spa) CCRI09E1-CD (Ita) (Russia: N/A)	Inspection Procedure 7: When the "ON/OFF" Switch is Turned ON, the Cruise Control Indicator Lamp does not Illuminate (However, the Cruise Control System is Normal). (Added under M172-00-441-53300-01)	Attached sheet 55

Applicable manual	Pub. No.	Applicable title (INFO ID)	Contents
2010 L200 Workshop Manual	CCRE10E1-CD (Eng)	CHECK CHART FOR TROUBLE	Attached
	CCRF10E1-CD (Fre)	SYMPTOMS (M172-00-231-93800-01)	sheet 54
	CCRG10E1-CD (Ger)	Inspection Procedure 7: When the "ON/OFF"	Attached
	CCRS10E1-CD (Spa)	Switch is Turned ON, the Cruise Control	sheet 55
	CCRI10E1-CD (Ita)	Indicator Lamp does not Illuminate	
	(Russia: N/A)	(However, the Cruise Control System is	
		Normal).	
		(Added under M172-00-442-12700-01)	
2011 L200 Workshop Manual	CCRE11E1-CD (Eng)	CHECK CHART FOR TROUBLE	Attached
	CCRF11E1-CD (Fre)	SYMPTOMS (M172-00-231-93800-01)	sheet 54
	CCRG11E1-CD (Ger)	Inspection Procedure 7: When the "ON/OFF"	Attached
	CCRS11E1-CD (Spa)	Switch is Turned ON, the Cruise Control	sheet 55
	CCRI11E1-CD (Ita)	Indicator Lamp does not Illuminate	
	(Russia: N/A)	(However, the Cruise Control System is	
	0.000 (0.0	Normal).	
2012 L200 Workshop Manual	CCRE12E1-CD (Eng)	(Added under M172-00-442-20200-01)	
	CCRF12E1-CD (Fre)		
	CCRG12E1-CD (Ger)		
	CCRS12E1-CD (Spa)		
	CCRI12E1-CD (Ita)		
	(Russia: N/A)		
2013 L200 Workshop Manual	CKTE13E1-CD (Eng)		
2013 E200 Workshop Manuar	CKTE13E1 CD (Eng) CKTF13E1-CD (Fre)		
	CKTG13E1 CD (Fig)		
	CKTS13E1-CD (Spa)		
	CKTI13E1-CD (Ita)		
	(Russia: N/A)		
	(Trassia 1771)		
2014 L200 Workshop Manual	CKTE14E1-CD (Eng)		
	CKTF14E1-CD (Fre)		
	CKTG14E1-CD (Ger)		
	CKTS14E1-CD (Spa)		
	CKTI14E1-CD (Ita)		
	(Russia: N/A)		
2015 L200 Workshop Manual	CKTE15E1-CD (Eng)	CHECK CHART FOR TROUBLE	Attached
	CKTF15E1-CD (Fre)	SYMPTOMS (M172-00-231-93800-01)	sheet 54
	CKTG15E1-CD (Ger)	Inspection Procedure 7: When the "ON/OFF"	Attached
	CKTS15E1-CD (Spa)	Switch is Turned ON, the Cruise Control	sheet 55
	CKTI15E1-CD (Ita)	Indicator Lamp does not Illuminate	
	(Russia: N/A)	(However, the Cruise Control System is	
		Normal).	
		(Added under M172-00-442-53600-01)	

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Applicable manual	Pub. No.	Applicable title (INFO ID)	Contents
2008 LANCER/LANCER EX Workshop	PWME0701R (Eng)	CHECK CHART FOR TROUBLE	Attached
Manual	PWMS0702R (Spa)	SYMPTOMS (M172-00-230-85000-01)	sheet 56
		Inspection Procedure 8: When "ON/OFF"	Attached
2009 LANCER/LANCER EX Workshop	PWME0802R (Eng)	Switch is Turned ON, the Cruise Control	sheet 57
Manual	PWMS0803R (Spa)	Indicator Lamp does not Illuminate	
	(South Africa, Argentina:	(However, the Cruise Control System is	
	DRAFT)	Normal).	
		(Added under M172-00-440-89700-01)	
2010 LANCER/LANCER EX Workshop	PWME0901R (Eng)	CHECK CHART FOR TROUBLE	Attached
Manual	PWMS0902R (Spa)	SYMPTOMS (M172-00-231-67100-01)	sheet 56
	(South Africa, Argentina:	Inspection Procedure 8: When the "ON/OFF"	Attached
	DRAFT)	Switch is Turned ON, the Cruise Control	sheet 57
		Indicator Lamp does not Illuminate	
		(However, the Cruise Control System is	
		Normal).	
		(Added under M172-00-441-82300-01)	
2009 LANCER EVOLUTION Workshop	PWSE0801R	CHECK CHART FOR TROUBLE	Attached
Manual	(China: DRAFT)	SYMPTOMS (M172-00-231-22800-01)	sheet 56
	PWSE0801R-A	Inspection Procedure 7: When "ON/OFF"	Attached
		Switch is Turned ON, the Cruise Control	sheet 57
2010 LANCER EVOLUTION Workshop	PWSE0905R	Indicator Lamp does not Illuminate	
Manual	(China: DRAFT)	(However, the Cruise Control System is	
		Normal).	
		(Added under M172-00-441-28700-01)	

Applicable manual	Pub. No.	Applicable title (INFO ID)	Contents
2011 LANCER EVOLUTION	PWSE1008R	CHECK CHART FOR TROUBLE	Attached
Workshop Manual		SYMPTOMS (M172-00-232-09400-01)	sheet 56
		Inspection Procedure 7: When "ON/OFF"	Attached
		Switch is Turned ON, the Cruise Control	sheet 57
		Indicator Lamp does not Illuminate	
		(However, the Cruise Control System is Normal).	
		(Added under M172-00-442-28000-01)	
2011 ASX/OUTLANDER SPORT	PWPE1006R (Eng)	CHECK CHART FOR TROUBLE	Attached
Workshop Manual	PWPS1007R (Spa)	SYMPTOMS (M172-00-231-99400-01)	sheet 58
	(MMAL, NZ: DRAFT)	Inspection Procedure 8: When the	Attached
		"ON/OFF" Switch is Turned ON, the	sheet 59
		Cruise Control Indicator Lamp does not	
		Illuminate (However, the Cruise Control	
		System is Normal). (Added under M172-00-442-17200-01)	
		CHECK CHART FOR TROUBLE	Attached
		SYMPTOMS (M172-00-231-97200-01)	sheet 60
		Inspection Procedure 6: When the	Attached
		"ON/OFF" Switch is Turned ON, the	sheet 61
		Cruise Control Indicator Lamp does not	
		Illuminate (However, the Cruise Control	
		System is Normal).	
2007 OUTLANDER Workshop	PWRE0607R	(Added under M172-00-442-18300-01) CHECK CHART FOR TROUBLE	Attached
Manual	(China, South Africa:	SYMPTOMS (M172-00-230-78600-01)	sheet 62
Handai	DRAFT)	Inspection Procedure 6: When the	Attached
		Auto-cruise Control "ON/OFF" (MAIN)	sheet 63
		Switch is Turned ON, the Auto-cruise	
		Control Indicator Lamp does not	
		Illuminate. (However, the Auto-cruise	
		Control System is Normal).	
2008 OUTLANDER Workshop	PWRE0707R (Eng)	(Added under M172-00-440-82000-01) CHECK CHART FOR TROUBLE	Attached
Manual	PWRS0708R (Spa)	SYMPTOMS (M172-00-230-93500-01)	sheet 62
Harran	(Argentina, South Africa:	Inspection Procedure 6: When "ON/OFF"	Attached
	DRAFT)	Switch is Turned ON, the Cruise Control	sheet 63
		Indicator Lamp does not Illuminate	
		(However, the Cruise Control System is	
		Normal).	
2008 OUTLANDER Workshop	PWRE0712R	(Added under M172-00-440-98300-01) CHECK CHART FOR TROUBLE	Attached
Manual	I WILEO/12R	SYMPTOMS (M172-00-231-18700-01)	sheet 62
Walidai		Inspection Procedure 6: When the	Attached
		"ON/OFF" Switch is Turned ON, the	sheet 63
		Cruise Control Indicator Lamp does not	
		Illuminate (However, the Cruise Control	
		System is Normal).	
2000 OUTLANDED W. J. L.	DWDE0010D (E)	(Added under M172-00-441-23200-01) CHECK CHART FOR TROUBLE	A 44 ~ ~1- · · 1
2009 OUTLANDER Workshop Manual	PWRE0810R (Eng) PWRS0811R (Spa)	SYMPTOMS (M172-00-231-06800-01)	Attached sheet 62
iviaiiuai	(China, Argentina, South	Inspection Procedure 8: When "ON/OFF"	Attached
	Africa: DRAFT)	Switch is Turned ON, the Cruise Control	sheet 63
		Indicator Lamp does not Illuminate	
		(However, the Cruise Control System is	
		Normal).	
		(Added under M172-00-441-11300-01)	
2010 OUTLANDER Workshop	PWRE0906R (Eng)	CHECK CHART FOR TROUBLE	Attached
Manual	PWRS0907R (Spa)	SYMPTOMS (M172-00-231-06800-01)	sheet 62
	(China, Argentina, South Africa: DRAFT)	Inspection Procedure 8: When "ON/OFF" Switch is Turned ON, the Cruise Control	Attached sheet 63
	Allica Ditar 1)	Indicator Lamp does not Illuminate	sneet 05
		(However, the Cruise Control System is	
		Normal).	
		(Added under M172-00-441-81200-01)	

Applicable manual	Pub. No.	Applicable title (INFO ID)	Contents
2007 DELICA D:5 Workshop	PWRE0711R	TROUBLE SYMPTOM CHART	Attached
Manual		(M172-00-230-83800-01)	sheet 64
2009 DELICA D:5 Workshop	PWRE0804R	Inspection Procedure 6: The cruise	Attached
Manual		control indicator lamp does not	sheet 65
		illuminate when the "ON/OFF" (main)	
		switch of the cruise control switch is	
		turned ON. (However, the cruise control	
		system is normal.)	
2007 PAJERO/MONTERO	PWJE0605R (Eng)	(Added under M172-00-440-87500-01) CHECK CHART FOR TROUBLE	Attached
Workshop Manual	PWJS0606R (Spa)	SYMPTOMS <6G7>	sheet 50
Workshop Manuai	(South Africa: DRAFT)	(M172-00-230-79700-01)	sneet 50
	(South Africa: Divit 1)	CHECK CHART FOR TROUBLE	Attached
		SYMPTOMS <4M41>	sheet 52
		(M172-00-230-92400-01)	311000 02
		Inspection Procedure 7: When the	Attached
		Auto-cruise Control "ON/OFF" (MAIN)	sheet 51
		Switch is Turned ON, the Auto-cruise	
		Control Indicator Lamp does not	
		Illuminate (However, the Auto-cruise	
		Control System is Normal).	
		(Added under M172-00-440-96100-01)	
		Inspection Procedure 7: When the	Attached
		Auto-cruise Control "ON/OFF" (MAIN)	sheet 53
		Switch is Turned ON, the Auto-cruise	
		Control Indicator Lamp does not	
		Illuminate. (However, the auto-cruise	
		control system is normal).	
2008 PAJERO/MONTERO	DW 1E0700D (E)	(Added under M172-00-440-84200-01) CHECK CHART FOR TROUBLE	Attached
	PWJE0709R (Eng) PWJS0710R (Spa)	SYMPTOMS <6G7>	sheet 50
Workshop Manual	(South Africa: DRAFT)	(M172-00-230-94600-01)	sneet 50
	(South Africa: DICAF 1)	CHECK CHART FOR TROUBLE	Attached
2009 PAJERO/MONTERO	PWJE0812R (Eng)	SYMPTOMS <4M41>	sheet 52
Workshop Manual	PWJS0813R (Spa)	(M172-00-230-95700-01)	SHEET 02
, , , , , , , , , , , , , , , , , , ,	(China, Mexico, South	Inspection Procedure 7: When "ON/OFF"	Attached
	Africa: DRAFT)	Switch is Turned ON, the Cruise Control	sheet 51
		Indicator Lamp does not Illuminate	
		(However, the Cruise Control System is	
		Normal).	
		(Added under M172-00-440-99400-01)	
		Inspection Procedure 7: When "ON/OFF"	Attached
		Switch is Turned ON, the Cruise Control	sheet 53
		Indicator Lamp does not Illuminate	
		(However, the Cruise Control System is	
		Normal).	
2010 DA IEDO/MONTERO	DW IE0000D (E)	(Added under M172-00-441-00500-01)	A + + 1 1
2010 PAJERO/MONTERO	PWJE0908R (Eng) PWJS0909R (Spa)	CHECK CHART FOR TROUBLE	Attached
Workshop Manual	(China, Mexico, Argentina,	SYMPTOMS (M172-00-231-81900-01) Inspection Procedure 7: When "ON/OFF"	sheet 50 Attached
	South Africa: DRAFT)	Switch is Turned ON, the Cruise Control	sheet 51
	bouth Airiea. DIVAL 1)	Indicator Lamp does not Illuminate	sneet 51
		(However, the Cruise Control System is	
		Normal).	
		(Added under M172-00-441-99700-01)	
		CHECK CHART FOR TROUBLE	Attached
		SYMPTOMS (M172-00-231-82000-01)	sheet 52
		Inspection Procedure 7: When "ON/OFF"	Attached
		Switch is Turned ON, the Cruise Control	sheet 53
		Indicator Lamp does not Illuminate	
		(However, the Cruise Control System is	
		,	i
		Normal). (Added under M172-00-442-00800-01)	

Applicable manual	Pub. No.	Applicable title (INFO ID)	Contents
2009 NATIVA/PAJERO SPORT/	PWJE0808R-2 (Eng)	CHECK CHART FOR TROUBLE	Attached
MONTERO SPORT Workshop	PWJS0809R-2 (Spa)	SYMPTOMS <4M4, 4D5>	sheet 66
Manual	(Thailand, Argentina,	(M172-00-231-55200-01)	
	South Africa, Mexico,	CHECK CHART FOR TROUBLE	Attached
	MMAL, NZ: DRAFT)	SYMPTOMS <6G7>	sheet 68
	(Russia: N/A)	(M172-00-231-56300-01)	
		Inspection Procedure 8: When the	Attached
		"ON/OFF" Switch is Turned ON, the	sheet 67
		Cruise Control Indicator Lamp does not	
		Illuminate (However, the Cruise Control	
		System is Normal).	
		(Added under M172-00-441-63000-01)	
		Inspection Procedure 7: When the	Attached
		"ON/OFF" Switch is Turned ON, the	sheet 69
		Cruise Control Indicator Lamp does not	
		Illuminate (However, the Cruise Control	
		System is Normal).	
		(Added under M172-00-441-64100-01)	
2010 NATIVA/PAJERO SPORT/	PWJE0910R (Eng)	CHECK CHART FOR TROUBLE	Attached
MONTERO SPORT Workshop	PWJS0911R (Spa)	SYMPTOMS (M172-00-231-88600-01)	sheet 66
Manual	(Thailand, Argentina,	Inspection Procedure 8: When the	Attached
	South Africa, Mexico:	"ON/OFF" Switch is Turned ON, the	sheet 67
	DRAFT)	Cruise Control Indicator Lamp does not	
	(Russia: N/A)	Illuminate (However, the Cruise Control	
		System is Normal).	
		(Added under M172-00-442-06400-01)	
		CHECK CHART FOR TROUBLE	Attached
		SYMPTOMS (M172-00-231-89700-01)	sheet 68
		Inspection Procedure 10: When the	Attached
		"ON/OFF" Switch is Turned ON, the	sheet 69
		Cruise Control Indicator Lamp does not	
		Illuminate (However, the Cruise Control	
		System is Normal) <6B3>.	
2011 MARRIA (DA TERO CROPE)	DILLIPIA O A DA (E)	(Added under M172-00-442-08600-01)	A
2011 NATIVA/PAJERO SPORT/	PWJE1004R (Eng)	CHECK CHART FOR TROUBLE	Attached
MONTERO SPORT Workshop Manual	PWJS1005R (Spa)	SYMPTOMS (M172-00-231-98300-01)	sheet 66
Manual	(Argentina, South Africa, Mexico: DRAFT)	Inspection Procedure 8: When the	Attached
	(Russia: N/A)	"ON/OFF" Switch is Turned ON, the	sheet 67
	(Itussia: IV/A)	Cruise Control Indicator Lamp does not	
		Illuminate (However, the Cruise Control	
		System is Normal). (Added under M172-00-442-16100-01)	
		(Added under M172-00-442-16100-01) CHECK CHART FOR TROUBLE	Attached
		SYMPTOMS (M172-00-231-89700-01)	Attached
		Inspection Procedure 10: When the	sheet 68 Attached
		"ON/OFF" Switch is Turned ON, the	sheet 69
		Cruise Control Indicator Lamp does not	sneet 69
		Illuminate (However, the Cruise Control	
		System is Normal) <6B3>.	
		(Added under M172-00-442-08600-01)	
	ı		<u> </u>

MMAL/NZ(Pub No:DRAFT)

MMAL/NZ(Pub No:DRAFT) Applicable manual	Pub. No.	Applicable title (INFO ID)	Contents
2008 LANCER Workshop Manual	MR936470	CHECK CHART FOR TROUBLE	Attached
	(NZ: DRAFT)	SYMPTOMS (M172-00-231-02400-01)	sheet 56
		Inspection Procedure 8: When "ON/OFF"	Attached
		Switch is Turned ON, the Cruise Control	sheet 57
		Indicator Lamp does not Illuminate (However, the Cruise Control System is	
		Normal).	
		(Added under M172-00-441-06100-01)	
2009 LANCER Workshop Manual	MR936503	CHECK CHART FOR TROUBLE	Attached
•	(NZ: DRAFT)	SYMPTOMS (M172-00-231-30300-01)	sheet 56
		Inspection Procedure 11: When	Attached
		"ON/OFF" Switch is Turned ON, the	sheet 57
		Cruise Control Indicator Lamp does not	
		Illuminate (However, the Cruise Control System is Normal).	
		(Added under M172-00-441-35100-01)	
2010 LANCER Workshop Manual	MR936920	CHECK CHART FOR TROUBLE	Attached
2010 IIII (OIII) ((OIII) (OIII) (OIII) (OIII)	(NZ: DRAFT)	SYMPTOMS (M172-00-231-83100-01)	sheet 56
		Inspection Procedure 12: When	Attached
		"ON/OFF" Switch is Turned ON, the	sheet 57
		Cruise Control Indicator Lamp does not	
		Illuminate (However, the Cruise Control System is Normal).	
		(Added under M172-00-442-01900-01)	
2009 LANCER SPORTBACK	MR936570	CHECK CHART FOR TROUBLE	Attached
Workshop Manual	(NZ: DRAFT)	SYMPTOMS (M172-00-231-42200-01)	sheet 56
······································		Inspection Procedure 11: When	Attached
		"ON/OFF" Switch is Turned ON, the	sheet 57
		Cruise Control Indicator Lamp does not	
		Illuminate (However, the Cruise Control	
		System is Normal). (Added under M172-00-441-50000-01)	
2010 LANCER SPORTBACK	MR936922	CHECK CHART FOR TROUBLE	Attached
Workshop Manual	(NZ: DRAFT)	SYMPTOMS (M172-00-231-84200-01)	sheet 56
1		Inspection Procedure 12: When	Attached
		"ON/OFF" Switch is Turned ON, the	sheet 57
		Cruise Control Indicator Lamp does not	
		Illuminate (However, the Cruise Control	
		System is Normal). (Added under M172-00-442-02000-01)	
2009 LANCER EVOLUTION	MR936442	CHECK CHART FOR TROUBLE	Attached
Workshop Manual	(NZ: DRAFT)	SYMPTOMS (M172-00-231-19800-01)	sheet 56
······································	,	Inspection Procedure 7: When "ON/OFF"	Attached
		Switch is Turned ON, the Cruise Control	sheet 57
		Indicator Lamp does not Illuminate	
		(However, the Cruise Control System is Normal).	
		Normal). (Added under M172-00-441-25400-01)	
2010 LANCER EVOLUTION	MR936895	CHECK CHART FOR TROUBLE	Attached
Workshop Manual	(NZ: DRAFT)	SYMPTOMS (M172-00-231-22800-01)	sheet 56
_		Inspection Procedure 7: When "ON/OFF"	Attached
		Switch is Turned ON, the Cruise Control	sheet 57
		Indicator Lamp does not Illuminate	
		(However, the Cruise Control System is	
		Normal). (Added under M172-00-441-28700-01)	
2011 LANCER EVOLUTION	AU900049	CHECK CHART FOR TROUBLE	Attached
Workshop Manual	(NZ: DRAFT)	SYMPTOMS (M172-00-232-09400-01)	sheet 56
	(1.2 2.1W.11 1/	Inspection Procedure 7: When "ON/OFF"	Attached
		Switch is Turned ON, the Cruise Control	sheet 57
		Indicator Lamp does not Illuminate	
		(However, the Cruise Control System is	
		Normal).	
		(Added under M172-00-442-28000-01)	

Applicable manual	Pub. No.	Applicable title (INFO ID)	Contents
2007 OUTLANDER Workshop	MR936083	CHECK CHART FOR TROUBLE	Attached
Manual	(NZ: DRAFT)	SYMPTOMS (M172-00-230-74200-01)	sheet 56
		Inspection Procedure 6: When the	Attached
		Auto-cruise Control "ON/OFF" (MAIN)	sheet 57
		Switch is Turned ON, the Auto-cruise	
		Control Indicator Lamp does not	
		Illuminate. (However, the Auto-cruise	
		Control System is Normal).	
		(Added under M172-00-440-78900-01)	
2008 OUTLANDER Workshop	MR936474	CHECK CHART FOR TROUBLE	Attached
Manual	(NZ: DRAFT)	SYMPTOMS (M172-00-231-06800-01)	sheet 56
	1 FD 0 0 0 4 FF	Inspection Procedure 8: When "ON/OFF"	Attached
2009 OUTLANDER Workshop	MR936477	Switch is Turned ON, the Cruise Control	sheet 57
Manual	(NZ: DRAFT)	Indicator Lamp does not Illuminate	
		(However, the Cruise Control System is	
		Normal).	
2010 OUTLANDER Workshop	MR936925	(Added under M172-00-441-11300-01) CHECK CHART FOR TROUBLE	Attached
Manual Manual	(NZ: DRAFT)	SYMPTOMS (M172-00-231-06800-01)	
Manuai	(NZ· DRAF I)	Inspection Procedure 8: When "ON/OFF"	sheet 56 Attached
		Switch is Turned ON, the Cruise Control	sheet 57
		Indicator Lamp does not Illuminate	SHEET OF
		(However, the Cruise Control System is	
		Normal).	
		(Added under M172-00-441-81200-01)	
2007 PAJERO Workshop Manual	MR936084	CHECK CHART FOR TROUBLE	Attached
	(NZ: DRAFT)	SYMPTOMS <6G7>	sheet 50
		(M172-00-230-75300-01)	
		CHECK CHART FOR TROUBLE	Attached
		SYMPTOMS <4M41>	sheet 52
		(M172-00-230-82700-01)	
		Inspection Procedure 7: When the	Attached
		Auto-cruise Control "ON/OFF" (MAIN)	sheet 51
		Switch is Turned ON, the Auto-cruise	
		Control Indicator Lamp does not	
		Illuminate. (However, the Auto-cruise	
		Control System is Normal).	
		(Added under M172-00-440-79000-01)	4 7. 7.
		INSPECTION PROCEDURE 7: When	Attached
		the Auto-cruise Control "ON/OFF"	sheet 53
		(MAIN) Switch is Turned ON, the	
		Auto-cruise Control Indicator Lamp does not Illuminate. (However, the	
		auto-cruise control system is normal).	
		(Added under M172-00-440-86400-01)	
2008 PAJERO Workshop Manual	MR936455	CHECK CHART FOR TROUBLE	Attached
	(NZ: DRAFT)	SYMPTOMS <6G7>	sheet 50
		(M172-00-231-04600-01)	
		CHECK CHART FOR TROUBLE	Attached
		SYMPTOMS <4M41>	sheet 52
		(M172-00-231-05700-01)	
		Inspection Procedure 7: When the Cruise	Attached
		Control "ON/OFF" Switch is Turned ON,	sheet 51
		the Cruise Control Indicator Lamp does	
		not Illuminate (However, the Cruise	
		Control System is Normal).	
		(Added under M172-00-441-09400-01)	A
		Inspection Procedure 7: When the Cruise	Attached
		Control "ON/OFF" Switch is Turned ON,	sheet 53
		the Cruise Control Indicator Lamp does	
		not Illuminate (However, the Cruise	
		Control System is Normal). (Added under M172-00-441-10200-01)	
		Vauded under W11/2-00-441-10200-01)	<u> </u>

Applicable manual	Pub. No.	Applicable title (INFO ID)	Contents
2009 PAJERO Workshop Manual	MR936637	CHECK CHART FOR TROUBLE	Attached
	(NZ: DRAFT)	SYMPTOMS <6G7>	sheet 50
		(M172-00-231-38100-01)	
2010 PAJERO Workshop Manual	MR936976	CHECK CHART FOR TROUBLE	Attached
	(NZ: DRAFT)	SYMPTOMS <4M41>	sheet 52
		(M172-00-231-39200-01)	
		INSPECTION PROCEDURE 7: When	Attached
		"ON/OFF" Switch is Turned ON, the	sheet 51
		Cruise Control Indicator Lamp does not	
		Illuminate (However, the Cruise Control	
		System is Normal).	
		(Added under M172-00-441-43600-01)	
		INSPECTION PROCEDURE 7: When	Attached
		"ON/OFF" Switch is Turned ON, the	sheet 53
		Cruise Control Indicator Lamp does not	
		Illuminate (However, the Cruise Control	
		System is Normal).	
		(Added under M172-00-441-44700-01)	
2008 TRITON Workshop Manual	MR936232	CHECK CHART FOR TROUBLE	Attached
	(NZ: DRAFT)	SYMPTOMS (M172-00-231-20600-01)	sheet 66
		Inspection Procedure 7: When the Cruise	Attached
		Control "ON/OFF" Switch is Turned ON,	sheet 67
		the Cruise Control Indicator Lamp does	
		not Illuminate (However, the Cruise	
		Control System is Normal).	
2000 MDIMONINI 1 1 1 1 1 1	MD000450	(Added under M172-00-441-26500-01)	A 1 . 1
2009 TRITON Workshop Manual	MR936476	CHECK CHART FOR TROUBLE	Attached
	(NZ: DRAFT)	SYMPTOMS<6G7>	sheet 50
		(M172-00-231-50700-01)	A 4 4 1 1
		CHECK CHART FOR TROUBLE	Attached
		SYMPTOMS<4M4, 4D5> (M172-00-231-49900-01)	sheet 66
			A 4 4 1 1
		Inspection Procedure 7: When the "ON/OFF" Switch is Turned ON, the	Attached sheet 51
		Cruise Control Indicator Lamp does not	sneet 51
		Illuminate (However, the Cruise Control	
		System is Normal).	
		(Added under M172-00-441-57700-01)	
		Inspection Procedure 7: When the	Attached
		"ON/OFF" Switch is Turned ON, the	sheet 67
		Cruise Control Indicator Lamp does not	SHEET O'
		Illuminate (However, the Cruise Control	
		System is Normal).	
		(Added under M172-00-441-58800-01)	
2010 TRITON Workshop Manual	MR936949	CHECK CHART FOR TROUBLE	Attached
	(NZ: DRAFT)	SYMPTOMS (M172-00-231-92700-01)	sheet 66
	,	Inspection Procedure 7: When the	Attached
		"ON/OFF" Switch is Turned ON, the	sheet 67
		Cruise Control Indicator Lamp does not	31100001
		Illuminate (However, the Cruise Control	
		System is Normal).	
	1	(Added under M172-00-442-11600-01)	i

Applicable manual	Pub. No.	Applicable title (INFO ID)	Contents
2010 NATIVA/PAJERO SPORT/	MR936972	CHECK CHART FOR TROUBLE	Attached
MONTERO SPORT Workshop	(NZ: DRAFT)	SYMPTOMS (M172-00-231-88600-01)	sheet 66
Manual		Inspection Procedure 8: When the	Attached
		"ON/OFF" Switch is Turned ON, the	sheet 67
		Cruise Control Indicator Lamp does not	
		Illuminate (However, the Cruise Control	
		System is Normal).	
		(Added under M172-00-442-06400-01)	
		CHECK CHART FOR TROUBLE	Attached
		SYMPTOMS (M172-00-231-89700-01)	sheet 68
		Inspection Procedure 10: When the	Attached
		"ON/OFF" Switch is Turned ON, the	sheet 69
		Cruise Control Indicator Lamp does not	
		Illuminate (However, the Cruise Control	
		System is Normal) <6B3>.	
		(Added under M172-00-442-08600-01)	
2011 NATIVA/PAJERO SPORT/	AU900055	CHECK CHART FOR TROUBLE	Attached
MONTERO SPORT Workshop	(NZ: DRAFT)	SYMPTOMS (M172-00-231-98300-01)	sheet 66
Manual		Inspection Procedure 8: When the	Attached
		"ON/OFF" Switch is Turned ON, the	sheet 67
		Cruise Control Indicator Lamp does not	
		Illuminate (However, the Cruise Control	
		System is Normal).	
		(Added under M172-00-442-16100-01)	
		CHECK CHART FOR TROUBLE	Attached
		SYMPTOMS (M172-00-231-89700-01)	sheet 68
		Inspection Procedure 10: When the	Attached
		"ON/OFF" Switch is Turned ON, the	sheet 69
		Cruise Control Indicator Lamp does not	
		Illuminate (However, the Cruise Control	
		System is Normal) <6B3>.	
		(Added under M172-00-442-08600-01)	

THAILAND(Pub No:DRAFT)

Applicable manual	Pub. No.	Applicable title (INFO ID)	Contents
2009 LANCER EX Workshop	DRAFT	CHECK CHART FOR TROUBLE	Attached
Manual		SYMPTOMS (M172-00-231-85300-01)	sheet 56
		Inspection Procedure 6: When the	Attached
		"ON/OFF" Switch is Turned ON, the	sheet 57
		Cruise Control Indicator Lamp does not	
		Illuminate (However, the Cruise Control	
		System is Normal).	
		(Added under M172-00-442-03100-01)	

CHINA(Pub No:DRAFT)

CHINA(PUD NO.DRAFT)			
Applicable manual	Pub. No.	Applicable title (INFO ID)	Contents
2008 PAJERO Workshop Manual	DRAFT	CHECK CHART FOR TROUBLE	Attached
		SYMPTOMS (M172-00-231-16500-01)	sheet 50
		Inspection Procedure 6: When "ON/OFF"	Attached
		Switch is Turned ON, the Cruise Control	sheet 51
		Indicator Lamp does not Illuminate	
		(However, the Cruise Control System is	
		Normal).	
		(Added under M172-00-441-21000-01)	
2009 LANCER EX Workshop	DRAFT	CHECK CHART FOR TROUBLE	Attached
Manual		SYMPTOMS (M172-00-231-35800-01)	sheet 56
		Inspection Procedure 6: When "ON/OFF"	Attached
		Switch is Turned ON, the Cruise Control	sheet 57
		Indicator Lamp does not Illuminate	
		(However, the Cruise Control System is	
		Normal).	
		(Added under M172-00-441-41400-01)	
2009 OUTLANDER Workshop	DRAFT	CHECK CHART FOR TROUBLE	Attached
Manual		SYMPTOMS (M172-00-231-06800-01)	sheet 56
		Inspection Procedure 8: When "ON/OFF"	Attached
		Switch is Turned ON, the Cruise Control	sheet 57
		Indicator Lamp does not Illuminate	
		(However, the Cruise Control System is	
		Normal).	
		(Added under M172-00-441-11300-01)	

BRAZIL(Pub No:DRAFT)

Applicable manual	Pub. No.	Applicable title (INFO ID)	Contents
2010 L200 TRITON Workshop Manual	DRAFT	CHECK CHART FOR TROUBLE SYMPTOMS (M172-00-232-15700-01)	Attached sheet 70
		Inspection Procedure 6: When the "ON/OFF" Switch is Turned ON, the Cruise Control Indicator Lamp does not Illuminate (However, the Cruise Control System is Normal). (Added under M172-00-442-35400-01)	Attached sheet 71

ENGINE AND EMISSION CONTROL CRUISE CONTROL

SYMPTOM CHART

M1172002302038

Symptom		Inspection procedure number	Reference page
Communication with scan tool is not possible.	Communication with the ECM only is impossible. <2.0L ENGINE Non-turbo>	_	GROUP 13A, MFI Diagnosis, Symptom Procedures – Inspection Procedure 1
	Communication with the ECM only is impossible. <2.0L ENGINE Turbo>	_	GROUP 13B, MFI Diagnosis, Symptom Procedures – Inspection Procedure 1
	Communication with the ECM only is impossible. <2.4L ENGINE>	_	GROUP 13C, MFI Diagnosis, Symptom Procedures – Inspection Procedure 1
When the brake cancelled.	pedal is depressed, cruise control is not	1	
When the clutch pedal is depressed, cruise control is not cancelled <m t.=""></m>		2	
When the selector lever is moved to "N" position, cruise control is not cancelled <cvt.></cvt.>		3	
When the shift lever is moved to "N" position, cruise control is not cancelled <tc-sst.></tc-sst.>		4	
When the "CANCEL" switch is pressed, cruise control is not cancelled.		5	
Cruise control cannot be set (No response "COAST/SET" switch and "ACC/RES" switch is pressed) <2.0L ENGINE Non-turbo, 2.4L ENGINE.>		6	
Cruise control cannot be set (No response "COAST/SET" switch and "ACC/RES" switch is pressed) <2.0L ENGINE Turbo.>		7	
Hunting (repeated acceleration and deceleration) occurs at the set vehicle speed <m t.=""></m>		8	
Hunting (repeated acceleration and deceleration) occurs at the set vehicle speed <cvt.></cvt.>		9	
Hunting (repeated acceleration and deceleration) occurs at the set vehicle speed <tc-sst.></tc-sst.>		10	
When the "ON/OFF" switch is turned ON, "CRUISE" indicator light does not illuminate (However, cruise control system is normal.)		11	
When the cruise control switch is operated, the system is not turned on.		12	

Inspection Procedure 12: When The Cruise Control Switch is Operated, The System is not Turned ON.

CIRCUIT OPERATION

This circuit judges the signals of each switch ("ON/OFF", "CANCEL", "COAST/SET" and "ACC/RES") of the cruise control switch. The ECM detects the state of the cruise control switch by sensing the voltages shown below.

- When all switches are released: 4.7 5.0 volts
- When the "ON/OFF" switch is pressed: 0 0.5
- When the "CANCEL" switch is pressed: 1.0 1.8 volts
- When the "COAST/SET" switch is pressed: 2.3 3.0 volts
- When the "ACC/RES" switch is pressed: 3.5 4.2 volts

COMMENT

The scan tool (M.U.T.-III) can also be used to check if the circuits of each input switches are normal or not by checking the data list.

NOTE: Press the cruise control switches one by one securely. Otherwise, the cruise control system may not be started.

TROUBLESHOOTING HINTS (The most likely causes for this case:)

- Malfunction of the cruise control switches.
- Malfunction of the ECM.

DIAGNOSIS

Required Special Tools:

- MB991958: Scan Tool (M.U.T.-III Sub Assembly)
 - MB991824: V.C.I.
 - MB991827: M.U.T.-III USB Cable
 - MB991910: M.U.T.-III Main Harness A

STEP 1. Using scan tool MB991958, check for MFI system DTC.

⚠ CAUTION

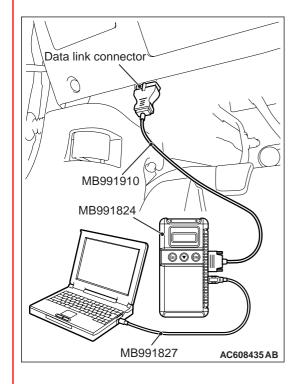
To prevent damage to scan tool MB991958, always turn the ignition switch to the "LOCK" (OFF) position before connecting or disconnecting scan tool MB991958.

- (1) Connect scan tool MB991958 to the data link connector.
- (2) Turn the ignition switch to the "ON" position.
- (3) Check for MFI system DTC (Refer to GROUP 13A, MFI Diagnosis Diagnostic Function .) <2.0L ENGINE Non-turbo>, (Refer to GROUP 13B, MFI Diagnosis Diagnostic Function .) <2.0L ENGINE Turbo> or (Refer to GROUP 13C, MFI Diagnosis Diagnostic Function .) <2.4L ENGINE>

Q: Is any DTC set?

YES: Repair the MFI system (Refer to GROUP 13A, MFI Diagnosis – Diagnostic Trouble Code Chart.) <2.0L ENGINE Non-turbo>, (Refer to GROUP 13B, MFI Diagnosis – Diagnostic Trouble Code Chart.) <2.0L ENGINE Turbo> or (Refer to GROUP 13C, MFI Diagnosis – Diagnostic Trouble Code Chart.) <2.4L ENGINE>

NO: Go to Step 2.



STEP 2. Using scan tool MB991958, check data list item 75: Cancel switch, item 86: Main switch, item 91: Resume switch and item 92: Set switch.

- (1) Connect scan tool MB991958 to the data link connector.
- (2) Turn the ignition switch to the "ON" position.
- (3) Set scan tool MB991958 to data reading mode for cruise control system.
 - Item 75: Cancel switch.
 - When "CANCEL" switch is pressed, the display on scan tool MB991958 should be "ON."
 - When "CANCEL" switch is released, the display on scan tool MB991958 should be "OFF."
 - Item 86: Main switch.
 - When the "ON/OFF" switch is pressed, the display on scan tool MB991958 should be "ON."
 - When the "ON/OFF" switch is pressed again, the display on scan tool MB991958 should be "OFF."
 - Item 91: Resume switch.
 - When the "ACC/RES" switch is pressed, the display on scan tool MB991958 should be "ON."
 - When the "ACC/RES" switch is released, the display on scan tool MB991958 should be "OFF."
 - Item 92: Set switch.
 - When the "COAST/SET" switch is pressed, the display on scan tool MB991958 should be "ON."
 - When the "COAST/SET" switch is released, the display on scan tool MB991958 should be "OFF."

Q: Is the check result normal?

YES: Go to Step 4. NO: Go to Step 3.

STEP 3. Check the cruise control switches.

Q: Is the check result normal?

YES: Go to Step 4.

NO: Replace the cruise control switches.

STEP 4. Check the symptom.

Q: Is the system turned on by operating the cruise control switch?

YES: It can be assumed that this malfunction is intermittent (Refer to GROUP 00, How to Use Troubleshooting/Inspection Service Points – How to Cope with Intermittent Malfunction.)

NO: Replace the ECM [Refer to GROUP 13A, Engine Control Module (ECM) .] <2.0L ENGINE Non-turbo>, [Refer to GROUP 13B, Engine Control Module (ECM) .] <2.0L ENGINE Turbo> or [Refer to GROUP 13C, Engine Control Module (ECM) .] <2.4L ENGINE>

ENGINE AND EMISSION CONTROL CRUISE CONTROL

SYMPTOM CHART

M1172002301808

Symptom		Inspection procedure number	Reference page
Communication with scan tool is not possible	Communication with the ECM only is impossible	_	GROUP 13A, MFI Diagnosis, Symptom Procedures, Inspection Procedure 1
When the brake pedal is depressed, cruise control is not cancelled.		1	
When the clutch pedal is depressed, cruise control is not cancelled <m t.=""></m>		2	
When the shift lever is moved to "N" position, cruise control is not cancelled <tc-sst.></tc-sst.>		3	
When the "CANCEL" switch is pressed, cruise control is not cancelled.		4	
Cruise control cannot be set (No response "COAST/SET" switch and "ACC/RES" switch is pressed.)		5	
Hunting (repeated acceleration and deceleration) occurs at the set vehicle speed.		6	
When the "ON/OFF" switch is turned ON, "CRUISE" indicator light does not illuminate (However, cruise control system is normal.)		7	
When the cruise control switch is operated, the system is not turned on.		8	

Inspection Procedure 8: When The Cruise Control Switch is Operated, The System is not Turned ON.

CIRCUIT OPERATION

This circuit judges the signals of each switch ("ON/OFF", "CANCEL", "COAST/SET" and "ACC/RES") of the cruise control switch. The ECM detects the state of the cruise control switch by sensing the voltages shown below.

- When all switches are released: 4.7 5.0 volts
- When the "ON/OFF" switch is pressed: 0 0.5
- When the "CANCEL" switch is pressed: 1.0 1.8 volts
- When the "COAST/SET" switch is pressed: 2.3 3.0 volts
- When the "ACC/RES" switch is pressed: 3.5 4.2 volts

COMMENT

The scan tool (M.U.T.-III) can also be used to check if the circuits of each input switches are normal or not by checking the data list.

NOTE: Press the cruise control switches one by one securely. Otherwise, the cruise control system may not be started.

TROUBLESHOOTING HINTS (The most likely causes for this case:)

- Malfunction of the cruise control switches.
- Malfunction of the ECM.

DIAGNOSIS

Required Special Tools:

- MB991958: Scan Tool (M.U.T.-III Sub Assembly)
 - MB991824: V.C.I.
 - MB991827: M.U.T.-III USB Cable
 - MB991910: M.U.T.-III Main Harness A

STEP 1. Using scan tool MB991958, check for MFI system DTC.

⚠ CAUTION

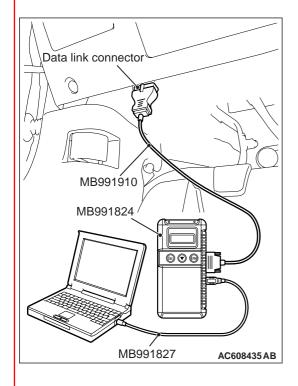
To prevent damage to scan tool MB991958, always turn the ignition switch to the "LOCK" (OFF) position before connecting or disconnecting scan tool MB991958.

- (1) Connect scan tool MB991958 to the data link connector.
- (2) Turn the ignition switch to the "ON" position.
- (3) Check for MFI system DTC (Refer to GROUP 13A, MFI Diagnosis Diagnostic Function .)

Q: Is any DTC set?

YES: Repair the MFI system (Refer to GROUP 13A, MFI Diagnosis – Diagnostic Trouble Code Chart .)

NO: Go to Step 2.



STEP 2. Using scan tool MB991958, check data list item 75: Cancel switch, item 86: Main switch, item 91: Resume switch and item 92: Set switch.

- (1) Connect scan tool MB991958 to the data link connector.
- (2) Turn the ignition switch to the "ON" position.
- (3) Set scan tool MB991958 to data reading mode for cruise control system.
 - Item 75: Cancel switch.
 - When "CANCEL" switch is pressed, the display on scan tool MB991958 should be "ON."
 - When "CANCEL" switch is released, the display on scan tool MB991958 should be "OFF."
 - Item 86: Main switch.
 - When the "ON/OFF" switch is pressed, the display on scan tool MB991958 should be "ON."
 - When the "ON/OFF" switch is pressed again, the display on scan tool MB991958 should be "OFF."
 - Item 91: Resume switch.
 - When the "ACC/RES" switch is pressed, the display on scan tool MB991958 should be "ON."
 - When the "ACC/RES" switch is released, the display on scan tool MB991958 should be "OFF."
 - Item 92: Set switch.
 - When the "COAST/SET" switch is pressed, the display on scan tool MB991958 should be "ON."
 - When the "COAST/SET" switch is released, the display on scan tool MB991958 should be "OFF."

Q: Is the check result normal?

YES: Go to Step 4. NO: Go to Step 3.

STEP 3. Check the cruise control switches.

Q: Is the check result normal?

YES: Go to Step 4.

NO: Replace the cruise control switches.

STEP 4. Check the symptom.

Q: Is the system turned on by operating the cruise control switch?

YES: It can be assumed that this malfunction is intermittent (Refer to GROUP 00, How to Use Troubleshooting/Inspection Service Points – How to Cope with Intermittent Malfunction.)

NO: Replace the ECM [Refer to GROUP 13A, Engine Control Module (ECM) .]

SYMPTOM CHART

M1172002302351

Symptom	Inspection procedure number	Reference page
Scan tool communication with ECM Is not possible.	-	GROUP 13A, Symptom Procedures – Inspection Procedure 1.
When the brake pedal is depressed, cruise control is not cancelled.	1	
When the clutch pedal is depressed, cruise control is not cancelled <m t.=""></m>	2	
When the selector lever is moved to "N" position, cruise control is not cancelled <cvt.></cvt.>	3	
When the "CANCEL" switch is pressed, cruise control is not cancelled.	4	
Cruise control cannot be set (No response "SET-" switch and "RES+" switch is pressed.)	5	
Hunting (repeated acceleration and deceleration) occurs at the set vehicle speed <m t="">.</m>	6	
Hunting (repeated acceleration and deceleration) occurs at the set vehicle speed <cvt>.</cvt>	7	
When "CRUISE ON/OFF" switch is turned "ON", "CRUISE" indicator light inside combination meter does not illuminate (However, cruise control system is normal.)	8	
When the cruise control switch is operated, the system is not turned on.	9	

Inspection Procedure 9: When The Cruise Control Switch is Operated, The System is not Turned ON.

CIRCUIT OPERATION

This circuit judges the signals of each switch ("CRUISE ON/OFF", "CANCEL", "SET-" and "RES+") of the cruise control switch. The ECM detects the state of the cruise control switch by sensing the voltages shown below.

- When all switches are released: 4.7 5.0 volts
- When the "CRUISE ON/OFF" switch is pressed: 0 – 0.5 volt
- When the "CANCEL" switch is pressed: 1.0 1.8 volts
- When the "SET-" switch is pressed: 2.3 3.0 volts
- When the "RES+" switch is pressed: 3.5 4.2 volts

COMMENT

The scan tool (M.U.T.-III) can also be used to check if the circuits of each input switches are normal or not by checking the data list.

NOTE: Press the cruise control switches one by one securely. Otherwise, the cruise control system may not be started.

TROUBLESHOOTING HINTS (The most likely causes for this case:)

- Malfunction of the cruise control switches.
- Malfunction of the ECM.

DIAGNOSTIC PROCEDURE

STEP 1. Using scan tool MB991958, check for MFI system DTC.

⚠ CAUTION

To prevent damage to scan tool MB991958, always turn the ignition switch to the "LOCK" (OFF) position before connecting or disconnecting scan tool MB991958.

- (1) Connect scan tool MB991958 to the data link connector.
- (2) Turn the ignition switch to the "ON" position.
- (3) Check for MFI system DTC (Refer to GROUP 13A, MFI Diagnosis Diagnostic Function .)

Q: Is any DTC set?

YES: Repair the MFI system (Refer to GROUP 13A, MFI Diagnosis – Diagnostic Trouble Code Chart .)

NO: Go to Step 2.

STEP 2. Using scan tool MB991958, check data list item 75: Cancel switch, item 86: Main switch, item 91: Resume switch and item 92: Set switch.

- (1) Connect scan tool MB991958 to the data link connector.
- (2) Turn the ignition switch to the "ON" position.
- (3) Set scan tool MB991958 to data reading mode for cruise control system.
 - Item 75: Cancel switch.
 - When "CANCEL" switch is pressed, the display on scan tool MB991958 should be "ON".
 - When "CANCEL" switch is released, the display on scan tool MB991958 should be "OFF".
 - Item 86: Main switch.
 - When "CRUISE ON/OFF" switch is pressed, the display on scan tool MB991958 should be "ON".
 - When "CRUISE ON/OFF" switch is pressed again, the display on scan tool MB991958 should be "OFF".
 - Item 91: Resume switch.
 - When "RES+" switch is pressed, the display on scan tool MB991958 should be "ON".
 - When "RES+" switch is released, the display on scan tool MB991958 should be "OFF".
 - Item 92: Set switch.
 - When "SET—" switch is pressed, the display on scan tool MB991958 should be "ON".
 - When "SET-" switch is released, the display on scan tool MB991958 should be "OFF".

Q: Is the check result normal?

YES: Go to Step 4. NO: Go to Step 3.

STEP 3. Check the cruise control switches.

Q: Is the check result normal?

YES: Go to Step 4.

NO: Replace the cruise control switches.

STEP 4. Check the symptom.

Q: Is the system turned on by operating the cruise control switch?

YES: It can be assumed that this malfunction is intermittent (Refer to GROUP 00, How to Use Troubleshooting/Inspection Service Points – How to Cope with Intermittent Malfunction.)

NO: Replace the ECM [Refer to GROUP 13A, Engine Control Module (ECM) .]

SYMPTOM CHART

M1172002302113

Symptom	Inspection procedure number	Reference page
Scan tool communication with ECM Is not possible <2.4L Engine>.	-	GROUP 13A, Symptom Procedures – Inspection Procedure 1.
Scan tool communication with ECM Is not possible <3.0L Engine>.	-	GROUP 13B, Symptom Procedures – Inspection Procedure 1.
When the brake pedal is depressed, cruise control is not cancelled.	1	
When the selector lever is moved to "N" position, cruise control is not cancelled.	2	
When the "CANCEL" switch is pressed, cruise control is not cancelled.	3	
Cruise control cannot be set (No response "COAST/SET" switch and "ACC/RES" switch is pressed.)	4	
Hunting (repeated acceleration and deceleration) occurs at the set vehicle speed.	5	
When "ON/OFF" switch is turned "ON", "CRUISE" indicator light inside combination meter does not illuminate (However, cruise control system is normal).	6	
When the cruise control switch is operated, the system is not turned on.	7	

ENGINE AND EMISSION CONTROL CRUISE CONTROL

Inspection Procedure 7: When The Cruise Control Switch is Operated, The System is not Turned ON.

CIRCUIT OPERATION

This circuit judges the signals of each switch ("ON/OFF", "CANCEL", "COAST/SET" and "ACC/RES") of the cruise control switch. The ECM detects the state of the cruise control switch by sensing the voltages shown below.

- When all switches are released: 4.7 5.0 volts
- When the "ON/OFF" switch is pressed: 0 0.5
- When the "CANCEL" switch is pressed: 1.0 1.8 volts
- When the "COAST/SET" switch is pressed: 2.3 3.0 volts
- When the "ACC/RES" switch is pressed: 3.5 4.2 volts

COMMENT

The scan tool (M.U.T.-III) can also be used to check if the circuits of each input switches are normal or not by checking the data list.

NOTE: Press the cruise control switches one by one securely. Otherwise, the cruise control system may not be started.

TROUBLESHOOTING HINTS (The most likely causes for this case:)

- Malfunction of the cruise control switches.
- Malfunction of the ECM.

DIAGNOSIS

Required Special Tools:

- MB991958: Scan Tool (M.U.T.-III Sub Assembly)
 - MB991824: V.C.I.
 - MB991827: M.U.T.-III USB Cable
 - MB991910: M.U.T.-III Main Harness A

STEP 1. Using scan tool MB991958, check for MFI system DTC.

⚠ CAUTION

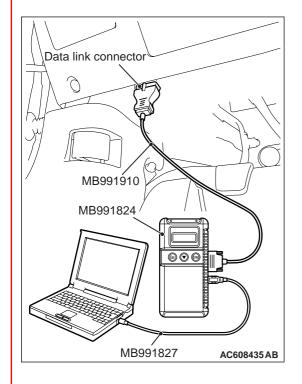
To prevent damage to scan tool MB991958, always turn the ignition switch to the "LOCK" (OFF) position before connecting or disconnecting scan tool MB991958.

- (1) Connect scan tool MB991958 to the data link connector.
- (2) Turn the ignition switch to the "ON" position.
- (3) Check for MFI system DTC (Refer to GROUP 13A, MFI Diagnosis Diagnostic Function .) <2.4L ENGINE> or (Refer to GROUP 13B, MFI Diagnosis Diagnostic Function .) <3.0L ENGINE>

Q: Is any DTC set?

YES: Repair the MFI system (Refer to GROUP 13A, MFI Diagnosis – Diagnostic Trouble Code Chart .) <2.4L ENGINE> or (Refer to GROUP 13B, MFI Diagnosis – Diagnostic Trouble Code Chart .) <3.0L ENGINE>

NO: Go to Step 2.



STEP 2. Using scan tool MB991958, check data list item 75: Cancel switch, item 86: Main switch, item 91: Resume switch and item 92: Set switch.

- (1) Connect scan tool MB991958 to the data link connector.
- (2) Turn the ignition switch to the "ON" position.
- (3) Set scan tool MB991958 to data reading mode for cruise control system.
 - Item 75: Cancel switch.
 - When "CANCEL" switch is pressed, the display on scan tool MB991958 should be "ON."
 - When "CANCEL" switch is released, the display on scan tool MB991958 should be "OFF."
 - Item 86: Main switch.
 - When the "ON/OFF" switch is pressed, the display on scan tool MB991958 should be "ON."
 - When the "ON/OFF" switch is pressed again, the display on scan tool MB991958 should be "OFF."
 - Item 91: Resume switch.
 - When the "ACC/RES" switch is pressed, the display on scan tool MB991958 should be "ON."
 - When the "ACC/RES" switch is released, the display on scan tool MB991958 should be "OFF."
 - Item 92: Set switch.
 - When the "COAST/SET" switch is pressed, the display on scan tool MB991958 should be "ON."
 - When the "COAST/SET" switch is released, the display on scan tool MB991958 should be "OFF."

Q: Is the check result normal?

YES: Go to Step 4. NO: Go to Step 3.

STEP 3. Check the cruise control switches.

Q: Is the check result normal?

YES: Go to Step 4.

NO: Replace the cruise control switches.

STEP 4. Check the symptom.

Q: Is the system turned on by operating the cruise control switch?

YES: It can be assumed that this malfunction is intermittent (Refer to GROUP 00, How to Use Troubleshooting/Inspection Service Points – How to Cope with Intermittent Malfunction.)

NO: Replace the ECM [Refer to GROUP 13A, Engine Control Module (ECM) .] <2.4L ENGINE> or [Refer to GROUP 13B, Engine Control Module (ECM) .] <3.0L ENGINE>

ENGINE AND EMISSION CONTROL CRUISE CONTROL <4B10, 4B11>

CHECK CHART FOR TROUBLE SYMPTOMS

M1172002301659

Trouble symptom		Inspection procedure No.	Reference page
Communication with M.U.TIII is not possible.	Communication with the engine-ECU only is impossible		GROUP 13B – Troubleshooting, Symptom Procedures, Inspection Procedure 1 <4B10, 4B11-Non- turbo>. GROUP 13E – Troubleshooting, Symptom Procedures, Inspection Procedure 1 <4B11-Turbo>.
When the brake peda cancelled.	al is depressed, cruise control is not	1	
When the clutch peda cancelled <m t="">.</m>	al is depressed, cruise control is not	2	
When the selector level cancelled <cvt>.</cvt>	ver is set to "N" position, cruise control is not	3	
When the shift lever i cancelled <tc-sst></tc-sst>	s set to "N" position, cruise control is not	4	
When the "CANCEL" cancelled.	switch is pushed, cruise control is not	5	
	be set (No response when the "COAST/" "ACC/RES" switch is pushed) <4B10, 4B11-	6	
	be set (No response when the "COAST/" "ACC/RES" switch is pushed) <4B11-	7	
Hunting (repeated ac set vehicle speed <m< td=""><td>celeration and deceleration) occurs at the /T>.</td><td>8</td><td></td></m<>	celeration and deceleration) occurs at the /T>.	8	
Hunting (repeated acceleration and deceleration) occurs at the set vehicle speed <cvt>.</cvt>		9	
Hunting (repeated acceleration and deceleration) occurs at the set vehicle speed <tc-sst>.</tc-sst>		10	
	switch is turned ON, the cruise control not illuminate (However, the cruise control	11	
When the cruise cont turned on.	rol switch is operated, the system is not	12	

Inspection Procedure 12: When The Cruise Control Switch is Operated, The System is not Turned ON.

OPERATION

This circuit judges the signals of each switch ("ON/OFF", "CANCEL", "COAST/SET" and "ACC/RES") of the cruise control switch. The engine-ECU detects the state of the cruise control switch by sensing the voltages shown below.

- When all switches are released: 4.7 5.0 volts
- When the "ON/OFF" switch is pushed: 0 0.5
- When the "CANCEL" switch is pushed: 1.0 1.8 volts
- When the "COAST/SET" switch is pushed: 2.3 3.0 volts
- When the "ACC/RES" switch is pushed: 3.5 4.2 volts

COMMENTS ON TROUBLE SYMPTOM

The M.U.T.-III can also be used to check if the circuits of each input switches are normal or not by checking the data list.

NOTE: Press the cruise control switches one by one securely. Otherwise, the cruise control system may not be started.

PROBABLE CAUSES

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DIAGNOSIS PROCEDURE

STEP 1. Check the MPI system diagnosis code. Using M.U.T.-III, perform MPI system diagnosis code (Refer to GROUP 13B – Troubleshooting, Diagnosis Function <4B10, 4B11-Non-turbo> or Refer to GROUP 13E – Troubleshooting, Diagnosis Function <4B11-Turbo>).

Q: Is any diagnosis code set?

YES: Repair the MPI system (Refer to GROUP 13B – Troubleshooting, Inspection Chart for Diagnosis Code <4B10, 4B11-Non-turbo> or Refer to GROUP 13E – Troubleshooting, Diagnosis Function <4B11-Turbo>).

NO: Go to Step 2.

STEP 2. Check the data list.

Using M.U.T.-III, check the data list (Refer to data list reference table).

- Item 75: "CANCEL" switch
- Item 86: "ON/OFF" switch
- Item 91: "ACC/RES" switch
- Item 92: "COAST/SET" switch

Q: Is the check result normal?

YES: Go to Step 4. NO: Go to Step 3.

STEP 3. Check the cruise control switches.

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Q: Is the check result normal?

YES: Go to Step 4.

NO : Replace the cruise control switchesÈ Á

STEP 4. Check the symptom.

Q: Is the system turned on by operating the cruise control switch?

YES: It can be assumed that this malfunction is intermittent (Refer to GROUP 00 – How to Use Troubleshooting/Inspection Service Points, How to Cope with Intermittent Malfunction).

NO: Replace the engine-ECU (Refer to GROUP 13B – Engine-ECU <4B10, 4B11-Non-turbo>, GROUP 13E – Engine-ECU <4B11-Turbo>).

ENGINE AND EMISSION CONTROL CRUISE CONTROL <BWC>

Trouble symptom		Inspection procedure No.	Reference page
Communication with M.U.TIII is not possible.	Communication with the engine-ECU only is impossible		GROUP 13F – Troubleshooting, Symptom Procedures, Inspection Procedure 1.
When the brake peda cancelled.	Il is depressed, cruise control is not	1	
When the clutch pedal is depressed, cruise control is not cancelled.		2	
When the "CANCEL" switch is pressed, cruise control is not cancelled.		3	
Cruise control cannot be set (No response when the "COAST/SET" switch and the "ACC/RES" switch is pressed).		4	
Hunting (repeated ac set vehicle speed.	celeration and deceleration) occurs at the	5	
	switch is turned ON, the cruise control ot illuminate. (However, the cruise control	6	
When the cruise control switch is operated, the system is not turned on.		7	

ENGINE AND EMISSION CONTROL CRUISE CONTROL <BWC>

Inspection Procedure 7: When The Cruise Control Switch is Operated, The System is not Turned ON.

OPERATION

This circuit judges the signals of each switch ("ON/OFF", "CANCEL", "COAST/SET" and "ACC/RES") of the cruise control switch. The engine-ECU detects the state of the cruise control switch by sensing the voltages shown below.

- When all switches are released: 4.7 5.0 volts
- When the "ON/OFF" switch is pressed: 0 0.5
- When the "CANCEL" switch is pressed: 1.0 1.8 volts
- When the "COAST/SET" switch is pressed: 2.3 3.0 volts
- When the "ACC/RES" switch is pressed: 3.5 4.2 volts

COMMENTS ON TROUBLE SYMPTOM

The M.U.T.-III can also be used to check if the circuits of each input switches are normal or not by checking the data list.

NOTE: Press the cruise control switches one by one securely. Otherwise, the cruise control system may not be started.

PROBABLE CAUSES

DIAGNOSIS PROCEDURE

STEP 1. Check the diesel fuel system diagnosis code.

Using M.U.T.-III, perform diesel fuel system diagnosis code (Refer to GROUP 13F – Diagnosis Function).

Q: Is any diagnosis code set?

YES: Repair the diesel fuel system (Refer to GROUP 13F – Troubleshooting, Inspection Chart for Diagnosis Trouble Code).

NO: Go to Step 2.

STEP 2. Check the data list.

Using M.U.T.-III, check the data list (Refer to data list reference table).

Item 285: Cruise control switch

Q: Is the check result normal?

YES: Go to Step 4. NO: Go to Step 3.

STEP 3. Check the cruise control switches.

Q: Is the check result normal?

YES: Go to Step 4.

NO : Replace the cruise control switchesÈ Δ

STEP 4. Check the symptom.

Q: Is the system turned on by operating the cruise control switch?

YES: It can be assumed that this malfunction is intermittent (Refer to GROUP 00 – How to Use Troubleshooting/Inspection Service Points, How to Cope with Intermittent Malfunction).

NO: Replace the engine-ECU (Refer to GROUP 13F – Engine-ECU).

ENGINE AND EMISSION CONTROL CRUISE CONTROL <4B1, 4J1>

CHECK CHART FOR TROUBLE SYMPTOMS

M1172002302168

Trouble symptom		Inspection procedure No.	Reference page
Communication with M.U.TIII is not possible.	Communication with the engine-ECU only is impossible	_	GROUP 13B – Troubleshooting, Symptom Procedures, Inspection Procedure 1 <4B1>. GROUP 13F – Troubleshooting,
			Symptom Procedures, Inspection Procedure 1 <4J1>.
When the brake peda cancelled.	l is depressed, cruise control is not	1	
When the clutch peda cancelled <m t="">.</m>	Il is depressed, cruise control is not	2	
When the selector lev cancelled <cvt>.</cvt>	er is set to "N" position, cruise control is not	3	
When the "CANCEL" cancelled.	switch is pushed, cruise control is not	4	
	be set (No response when the "COAST/ACC/RES" switch is pushed).	5	
Hunting (repeated accesset vehicle speed <m< td=""><td>celeration and deceleration) occurs at the /T>.</td><td>6</td><td></td></m<>	celeration and deceleration) occurs at the /T>.	6	
Hunting (repeated acceleration and deceleration) occurs at the set vehicle speed <cvt>.</cvt>		7	
When the "ON/OFF" switch is turned ON, the cruise control indicator lamp does not illuminate (However, the cruise control system is normal).		8	
When the cruise contiturned on.	rol switch is operated, the system is not	9	

Inspection Procedure 9: When The Cruise Control Switch is Operated, The System is not Turned ON.

OPERATION

This circuit judges the signals of each switch ("ON/OFF", "CANCEL", "COAST/SET" and "ACC/RES") of the cruise control switch. The engine-ECU detects the state of the cruise control switch by sensing the voltages shown below.

- When all switches are released: 4.7 5.0 volts
- When the "ON/OFF" switch is pushed: 0 0.5
- When the "CANCEL" switch is pushed: 1.0 1.8 volts
- When the "COAST/SET" switch is pushed: 2.3 3.0 volts
- When the "ACC/RES" switch is pushed: 3.5 4.2 volts

COMMENTS ON TROUBLE SYMPTOM

The M.U.T.-III can also be used to check if the circuits of each input switches are normal or not by checking the data list.

NOTE: Press the cruise control switches one by one securely. Otherwise, the cruise control system may not be started.

PROBABLE CAUSES

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DIAGNOSIS PROCEDURE

STEP 1. Check the MPI system diagnosis code. Using M.U.T.-III, perform MPI system diagnosis code (Refer to GROUP 13B – Troubleshooting, Diagnosis Function <4B10, 4B11-Non-turbo> or refer to GROUP 13F – Troubleshooting, Diagnosis Function <4J1>).

Q: Is any diagnosis code set?

YES: Repair the MPI system (Refer to GROUP 13B – Troubleshooting, Inspection Chart for Diagnosis Code <4B10, 4B11-Non-turbo> or Refer to GROUP 13F – Troubleshooting, Inspection Chart for Diagnosis Code <4J1>).

NO: Go to Step 2.

STEP 2. Check the data list.

Using M.U.T.-III, check the data list (Refer to data list reference table).

- Item 75: "CANCEL" switch
- Item 86: "ON/OFF" switch
- Item 91: "ACC/RES" switch
- Item 92: "COAST/SET" switch

Q: Is the check result normal?

YES: Go to Step 4. NO: Go to Step 3.

STEP 3. Check the cruise control switches.

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Q: Is the check result normal?

YES: Go to Step 4.

NO : Replace the cruise control switchesÈ Á

STEP 4. Check the symptom.

Q: Is the system turned on by operating the cruise control switch?

YES: It can be assumed that this malfunction is intermittent (Refer to GROUP 00 – How to Use Troubleshooting/Inspection Service Points, How to Cope with Intermittent Malfunction).

NO: Replace the engine-ECU (Refer to GROUP 13B – Engine-ECU <4B10, 4B11-Non-turbo>, GROUP 13F – Engine-ECU <4J1>).

ENGINE AND EMISSION CONTROL CRUISE CONTROL <4N1>

Trouble symptom		Inspection procedure No.	Reference page
Communication with M.U.TIII is not possible.	Communication with the engine-ECU only is impossible.	_	GROUP 13C – Troubleshooting, Symptom Procedures, Inspection Procedure 1.
When the brake peda cancelled.	Il is depressed, cruise control is not	1	
When the clutch peda cancelled.	al is depressed, cruise control is not	2	
When the "CANCEL" switch is pressed, cruise control is not cancelled.		3	
Cruise control cannot be set (No response when the "COAST/SET" switch and the "ACC/RES" switch is pressed).		4	
Hunting (repeated ac set vehicle speed.	celeration and deceleration) occurs at the	5	
When the "ON/OFF" switch is turned ON, the cruise control indicator lamp does not illuminate (However, the cruise control system is normal).		6	
When the cruise cont turned on.	rol switch is operated, the system is not	7	

Inspection Procedure 7: When The Cruise Control Switch is Operated, The System is not Turned ON.

OPERATION

This circuit judges the signals of each switch ("ON/OFF", "CANCEL", "COAST/SET" and "ACC/RES") of the cruise control switch. The engine-ECU detects the state of the cruise control switch by sensing the voltages shown below.

- When all switches are released: 4.7 5.0 volts
- When the "ON/OFF" switch is pressed: 0 0.5
- When the "CANCEL" switch is pressed: 1.0 1.8 volts
- When the "COAST/SET" switch is pressed: 2.3 3.0 volts
- When the "ACC/RES" switch is pressed: 3.5 4.2 volts

COMMENTS ON TROUBLE SYMPTOM

The M.U.T.-III can also be used to check if the circuits of each input switches are normal or not by checking the data list.

NOTE: Press the cruise control switches one by one securely. Otherwise, the cruise control system may not be started.

PROBABLE CAUSES

DIAGNOSIS PROCEDURE

STEP 1. Check the diesel fuel system diagnosis code.

Using M.U.T.-III, perform diesel fuel system diagnosis code (Refer to GROUP 13C – Troubleshooting, Diagnosis Function).

Q: Is any diagnosis code set?

YES: Repair the diesel fuel system (Refer to GROUP 13C – Troubleshooting, Inspection Chart for Diagnosis Trouble Code).

NO: Go to Step 2.

STEP 2. Check the data list.

Using M.U.T.-III, check the data list (Refer to data list reference table).

- Item 136: "ON/OFF" switch.
- Item 137: "CANCEL" switch.
- Item 138: "COAST/SET" switch.
- Item 139: "ACC/RES" switch.

Q: Is the check result normal?

YES: Go to Step 4. NO: Go to Step 3.

STEP 3. Check the cruise control switches.

Q: Is the check result normal?

YES: Go to Step 4.

NO : Replace the cruise control switchesÈ ά

STEP 4. Check the symptom.

Q: Is the system turned on by operating the cruise control switch?

YES: It can be assumed that this malfunction is intermittent (Refer to GROUP 00 – How to Use Troubleshooting/Inspection Service Points, How to Cope with Intermittent Malfunction).

NO: Replace the engine-ECU (Refer to GROUP 13C – Engine-ECU).

ENGINE AND EMISSION CONTROL CRUISE CONTROL

CHECK CHART FOR TROUBLE SYMPTOMS

M1172002302061

Trouble symptom		Inspection procedure No.	Reference page
Communication with M.U.TIII is not possible.	Communication with the engine-ECU only is impossible	_	GROUP 13A – Troubleshooting, Symptom Procedures, Inspection Procedure 1 .
When the brake peda cancelled.	l is depressed, cruise control is not	1	
When the clutch peda cancelled <m t="">.</m>	ll is depressed, cruise control is not	2	
When the shift lever is set to "N" position, cruise control is not cancelled <tc-sst>.</tc-sst>		3	
When the "CANCEL" switch is pushed, cruise control is not cancelled.		4	
Cruise control cannot be set (No response when the "COAST/SET" switch and the "ACC/RES" switch is pushed).		5	
Hunting (repeated acceleration and deceleration) occurs at the set vehicle speed.		6	
When the "ON/OFF" switch is turned ON, the cruise control indicator lamp does not illuminate. (However, the cruise control system is normal).		7	
When the cruise control turned on.	rol switch is operated, the system is not	8	

ENGINE AND EMISSION CONTROL CRUISE CONTROL

Inspection Procedure 8: When The Cruise Control Switch is Operated, The System is not Turned ON.

OPERATION

This circuit judges the signals of each switch ("ON/OFF", "CANCEL", "COAST/SET" and "ACC/RES") of the cruise control switch. The engine-ECU detects the state of the cruise control switch by sensing the voltages shown below.

- When all switches are released: 4.7 5.0 volts
- When the "ON/OFF" switch is pushed: 0 0.5
- When the "CANCEL" switch is pushed: 1.0 1.8 volts
- When the "COAST/SET" switch is pushed: 2.3 3.0 volts
- When the "ACC/RES" switch is pushed: 3.5 4.2 volts

COMMENTS ON TROUBLE SYMPTOM

The M.U.T.-III can also be used to check if the circuits of each input switches are normal or not by checking the data list.

NOTE: Press the cruise control switches one by one securely. Otherwise, the cruise control system may not be started.

PROBABLE CAUSES

•ÁAT æh~`} &cā[} Aj.~Ás@ Á&L``ār^Á&[} d[|Ár], ãt&@•. •ÁAT æh~`} &cā[} Aj.~Ás@ Ár}*ā]^ÉDÔW. Á

DIAGNOSIS PROCEDURE

STEP 1. Check the MPI system diagnosis code. Using M.U.T.-III, perform MPI system diagnosis code (Refer to GROUP 13A – Troubleshooting, Diagnosis Function).

Q: Is any diagnosis code set?

YES: Repair the MPI system (Refer to GROUP 13A – Troubleshooting, Inspection Chart for Diagnosis Trouble Code).

NO: Go to Step 2.

STEP 2. Check the data list.

Using M.U.T.-III, check the data list (Refer to data list reference table).

- Item 75: "CANCEL" switch
- Item 86: "ON/OFF" switch
- Item 91: "ACC/RES" switch
- Item 92: "COAST/SET" switch

Q: Is the check result normal?

YES: Go to Step 4. NO: Go to Step 3.

STEP 3. Check the cruise control switches.

Q: Is the check result normal?

YES: Go to Step 4.

NO : Replace the cruise control switchesÈ Á

STEP 4. Check the symptom.

Q: Is the system turned on by operating the cruise control switch?

YES: It can be assumed that this malfunction is intermittent (Refer to GROUP 00 – How to Use Troubleshooting/Inspection Service Points, How to Cope with Intermittent Malfunction).

NO: Replace the engine-ECU (Refer to GROUP 13A – Engine-ECU).

Inspection Procedure 7: When The Cruise Control Switch is Operated, The System is not Turned ON.

OPERATION

This circuit judges the signals of each switch ("ON/OFF", "CANCEL", "COAST/SET" and "ACC/RES") of the cruise control switch. The engine-ECU detects the state of the cruise control switch by sensing the voltages shown below.

- When all switches are released: 4.7 5.0 volts
- When the "ON/OFF" switch is pushed: 0 0.5
- When the "CANCEL" switch is pushed: 1.0 1.8 volts
- When the "COAST/SET" switch is pushed: 2.3 3.0 volts
- When the "ACC/RES" switch is pushed: 3.5 4.2 volts

COMMENTS ON TROUBLE SYMPTOM

The M.U.T.-III can also be used to check if the circuits of each input switches are normal or not by checking the data list.

NOTE: Press the cruise control switches one by one securely. Otherwise, the cruise control system may not be started.

PROBABLE CAUSES

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DIAGNOSIS PROCEDURE

STEP 1. Check the MPI system diagnosis code. Using M.U.T.-III, perform MPI system diagnosis code (Refer to GROUP 13A – Troubleshooting, Diagnosis Function <4B1> or GROUP 13D – Troubleshooting, Diagnosis Function <4A9>).

Q: Is any diagnosis code set?

YES: Repair the MPI system (Refer to GROUP 13A – Troubleshooting, Inspection Chart for Diagnosis Trouble Code <4B1> or GROUP 13D – Troubleshooting, Inspection Chart for Diagnosis Trouble Code <4A9>).

NO: Go to Step 2.

STEP 2. Check the data list.

Using M.U.T.-III, check the data list (Refer to data list reference table).

- Item 75: "CANCEL" switch
- Item 86: "ON/OFF" switch
- Item 91: "ACC/RES" switch
- Item 92: "COAST/SET" switch

Q: Is the check result normal?

YES: Go to Step 4. NO: Go to Step 3.

STEP 3. Check the cruise control switches.

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Q: Is the check result normal?

YES: Go to Step 4.

NO : Replace the cruise control switchesÈ Á

STEP 4. Check the symptom.

Q: Is the system turned on by operating the cruise control switch?

YES: It can be assumed that this malfunction is intermittent (Refer to GROUP 00 – How to Use Troubleshooting/Inspection Service Points, How to Cope with Intermittent Malfunction).

NO: Replace the engine-ECU (Refer to GROUP 13A – Engine-ECU <4B1> or GROUP 13D – Engine-ECU <4A9>).

ENGINE AND EMISSION CONTROL CRUISE CONTROL <4N1>

CHECK CHART FOR TROUBLE SYMPTOMS

M1172002302339

Trouble symptom		Inspection procedure No.	Reference page
Communication with M.U.TIII is not possible.	Communication with the engine-ECU only is impossible.	_	GROUP 13B – Troubleshooting, Symptom Procedures, Inspection Procedure 1.
When the brake peda cancelled.	Il is depressed, cruise control is not	1	
When the clutch peda cancelled. <m t=""></m>	al is depressed, cruise control is not	2	
When the "CANCEL" cancelled.	switch is pressed, cruise control is not	3	
	Cruise control cannot be set (No response when the "COAST/SET" switch and the "ACC/RES" switch is pressed).		
Hunting (repeated accessed vehicle speed.	celeration and deceleration) occurs at the	5	
When the "ON/OFF" switch is turned ON, the cruise control indicator lamp does not illuminate (However, the cruise control system is normal).		6	
When the Selector Lever is Set to "N" Position, Cruise Control is not Cancelled 		7	
When the cruise cont turned on.	rol switch is operated, the system is not	8	

Inspection Procedure 8: When The Cruise Control Switch is Operated, The System is not Turned ON.

OPERATION

This circuit judges the signals of each switch ("ON/OFF", "CANCEL", "COAST/SET" and "ACC/RES") of the cruise control switch. The engine-ECU detects the state of the cruise control switch by sensing the voltages shown below.

- When all switches are released: 4.7 5.0 volts
- When the "ON/OFF" switch is pressed: 0 0.5
- When the "CANCEL" switch is pressed: 1.0 1.8 volts
- When the "COAST/SET" switch is pressed: 2.3 3.0 volts
- When the "ACC/RES" switch is pressed: 3.5 4.2 volts

COMMENTS ON TROUBLE SYMPTOM

The M.U.T.-III can also be used to check if the circuits of each input switches are normal or not by checking the data list.

NOTE: Press the cruise control switches one by one securely. Otherwise, the cruise control system may not be started.

PROBABLE CAUSES

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DIAGNOSIS PROCEDURE

STEP 1. Check the diesel fuel system diagnosis code.

Using M.U.T.-III, perform diesel fuel system diagnosis code (Refer to GROUP 13B – Troubleshooting, Diagnosis Function).

Q: Is any diagnosis code set?

YES: Repair the diesel fuel system (Refer to GROUP 13B – Troubleshooting, Inspection Chart for Diagnosis Trouble Code).

NO: Go to Step 2.

STEP 2. Check the data list.

Using M.U.T.-III, check the data list (Refer to data list reference table).

- Item 136: "ON/OFF" switch.
- Item 137: "CANCEL" switch.
- Item 138: "COAST/SET" switch.
- Item 139: "ACC/RES" switch.

Q: Is the check result normal?

YES: Go to Step 4. NO: Go to Step 3.

STEP 3. Check the cruise control switches.

Q: Is the check result normal?

YES: Go to Step 4.

NO : Replace the cruise control switchesÈ Á

STEP 4. Check the symptom.

Q: Is the system turned on by operating the cruise control switch?

YES: It can be assumed that this malfunction is intermittent (Refer to GROUP 00 – How to Use Troubleshooting/Inspection Service Points, How to Cope with Intermittent Malfunction).

NO: Replace the engine-ECU (Refer to GROUP 13B – Engine-ECU).

ENGINE AND EMISSION CONTROL CRUISE CONTROL

CHECK CHART FOR TROUBLE SYMPTOMS

M1172002300731

Trouble symptom	Inspection procedure No.	Reference page
When the Brake Pedal is Depressed, Auto-cruise Control is not Cancelled.	1	
When the Clutch Pedal is Depressed, Auto-cruise Control is not Cancelled.	2	
When the Auto-cruise Control "CANCEL" Switch is Set to ON, Auto-cruise Control is not Cancelled.	3	
Auto-cruise control cannot be set.	4	
Hunting (repeated acceleration and deceleration) occurs at the set vehicle speed.	5	
When the auto-cruise control MAIN switch is turned ON, the auto-cruise control indicator lamp does not illuminate. (However, the auto-cruise control system is normal).	6	
When the cruise control switch is operated, the system is not turned on.	7	

Inspection Procedure: When The Cruise Control Switch is Operated, The System is not Turned ON.

OPERATION

This circuit judges the signals of each switch (SET, RESUME and CANCEL) of the auto-cruise control switch. The engine-ECU detects the state of the auto-cruise control switch by sensing the voltages shown below.

- When all switches are OFF: 4.7 5.0 volts
- When the MAIN switch is ON: 0 − 0.3 volt
- When the SET switch is ON: 2.0 2.8 volts
- When the RESUME switch is ON: 3.3 4.1 volts
- When the CANCEL switch is ON: 0.8 1.5 volts

COMMENTS ON TROUBLE SYMPTOM

The M.U.T.-III can also be used to check if the circuits of each input switches are normal or not by checking the data list.

NOTE: Press the cruise control switches one by one securely. Otherwise, the cruise control system may not be started.

PROBABLE CAUSES

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DIAGNOSIS PROCEDURE

STEP 1. Check the MPI system diagnosis code. Using M.U.T.-III, perform MPI system diagnosis code (Refer to GROUP 13A – Troubleshooting, Diagnosis Function).

Q: Is any diagnosis code set?

YES: Repair the MPI system (Refer to GROUP 13A – Troubleshooting, Inspection Chart for Diagnosis Trouble Code).

NO: Go to Step 2.

STEP 2. Check the data list.

Using M.U.T.-III, check the data list (Refer to data list reference table).

• Item 1D: Auto-cruise control switch

Q: Is the check result normal?

YES: Go to Step 4. NO: Go to Step 3.

STEP 3. Check the cruise control switches.

Q: Is the check result normal?

YES: Go to Step 4.

NO : Replace the cruise control switchesÈ Δ

STEP 4. Check the symptom.

Q: Is the system turned on by operating the cruise control switch?

YES: It can be assumed that this malfunction is intermittent (Refer to GROUP 00 – How to Use Troubleshooting/Inspection Service Points, How to Cope with Intermittent Malfunction).

NO: Replace the engine-ECU (Refer to GROUP 13A – Engine-ECU).

ENGINE AND EMISSION CONTROL CRUISE CONTROL

CHECK CHART FOR TROUBLE SYMPTOMS

M1172002300775

Trouble symptom		Inspection procedure No.	Reference page
Communication with M.U.TIII is not possible.	Communication with the engine-ECU only is impossible	_	GROUP 13C – Troubleshooting, Symptom Procedures, Inspection Procedure 1
Auto-cruise control	Even if brake pedal is depressed	1	
is not cancelled.	Even if selector lever is set to "N" range	2	
	Even if auto-cruise control "CANCEL" switch in set to ON	3	
Auto-cruise control ca	nnot be set.	4	
Hunting (repeated acceleration and deceleration) occurs at the set vehicle speed.		5	
When the auto-cruise control "ON/OFF" (MAIN) switch is turned ON, the auto-cruise control indicator lamp does not illuminate. (However, the auto-cruise control system is normal).		6	
When the cruise control switch is operated, the system is not turned on.		7	

Inspection Procedure 7: When The Cruise Control Switch is Operated, The System is not Turned ON.

OPERATION

This circuit judges the signals of each switch ["ON/OFF" (MAIN), "CANCEL", "COAST/SET" and "ACC/RES"] of the auto-cruise control switch. The engine-ECU detects the state of the auto-cruise control switch by sensing the voltages shown below.

- When all switches are OFF: 4.7 5.0 volts
- When the "ON/OFF" (MAIN) switch is ON: 0 0.5 volt
- When the "CANCEL" switch is ON: 1.0 1.8 volts
- When the "COAST/SET" switch is ON: 2.3 3.0 volts
- When the "ACC/RES" switch is ON: 3.5 4.2 volts

COMMENTS ON TROUBLE SYMPTOM

The M.U.T.-III can also be used to check if the circuits of each input switches are normal or not by checking the data list.

NOTE: Press the cruise control switches one by one securely. Otherwise, the cruise control system may not be started.

PROBABLE CAUSES

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DIAGNOSIS PROCEDURE

STEP 1. Check the MPI system diagnosis code. Using M.U.T.-III, perform MPI system diagnosis code (Refer to GROUP 13C – Troubleshooting, Diagnosis Function).

Q: Is any diagnosis code set?

YES: Repair the MPI system (Refer to GROUP 13C – Troubleshooting, Inspection Chart for Diagnosis Trouble Code).

NO: Go to Step 2.

STEP 2. Check the data list.

Using M.U.T.-III, check the data list (Refer to data list reference table).

- Item 75: "CANCEL" switch
- Item 86: "ON/OFF" (MAIN) switch
- Item 91: "ACC/RES" switch
- Item 92: "COAST/SET" switch

Q: Is the check result normal?

YES: Go to Step 4. NO: Go to Step 3.

STEP 3. Check the cruise control switches.

Q: Is the check result normal?

YES: Go to Step 4.

NO : Replace the cruise control switchesÈ

STEP 4. Check the symptom.

Q: Is the system turned on by operating the cruise control switch?

YES: It can be assumed that this malfunction is intermittent (Refer to GROUP 00 – How to Use Troubleshooting/Inspection Service Points, How to Cope with Intermittent Malfunction).

NO: Replace the engine-ECU (Refer to GROUP 13C – Engine-ECU).

ENGINE AND EMISSION CONTROL CRUISE CONTROL <6B3, 4B1>

Trouble symptom		Inspection procedure No.	Reference page
Communication with M.U.TIII is not possible.	1.U.TIII is not not possible.	GROUP 13D – Troubleshooting, Symptom Procedures, Inspection Procedure 1 <4B1>.	
			GROUP 13C – Troubleshooting, Symptom Procedures, Inspection Procedure 1 <6B3>.
When the brake pedal is depressed, cruise control is not cancelled.		1	
When the clutch pedal is depressed, cruise control is not cancelled <m t="">.</m>		2	
When the selector lever is set to "N" position, cruise control is not cancelled <cvt, a="" t="">.</cvt,>		3	
When the "CANCEL' not cancelled.	' switch is pressed, cruise control is	4	
	t be set (No response "COAST/SET" S" switch is pressed).	5	
Hunting (repeated ac at the set vehicle spe	cceleration and deceleration) occurs eed <m t="">.</m>	6	
Hunting (repeated acceleration and deceleration) occurs at the set vehicle speed <cvt, a="" t="">.</cvt,>		7	
When the "ON/OFF" switch is turned ON, the cruise control indicator lamp does not illuminate (However, the cruise control system is normal).		8	
When the cruise con not turned on.	trol switch is operated, the system is	9	

Inspection Procedure 9: When The Cruise Control Switch is Operated, The System is not Turned ON.

OPERATION

This circuit judges the signals of each switch ("ON/OFF", "CANCEL", "COAST/SET" and "ACC/RES") of the cruise control switch. The engine-ECU detects the state of the cruise control switch by sensing the voltages shown below.

- When all switches are released: 4.7 5.0 volts
- When the "ON/OFF" switch is pressed: 0 0.5
- When the "CANCEL" switch is pressed: 1.0 1.8 volts
- When the "COAST/SET" switch is pressed: 2.3 3.0 volts
- When the "ACC/RES" switch is pressed: 3.5 4.2 volts

COMMENTS ON TROUBLE SYMPTOM

The M.U.T.-III can also be used to check if the circuits of each input switches are normal or not by checking the data list.

NOTE: Press the cruise control switches one by one securely. Otherwise, the cruise control system may not be started.

PROBABLE CAUSES

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DIAGNOSIS PROCEDURE

STEP 1. Check the MPI system diagnosis code. Using M.U.T.-III, perform MPI system diagnosis code (Refer to GROUP 13C – Troubleshooting, Diagnosis Function <6B3> or GROUP 13D – Troubleshooting, Diagnosis Function <4B1>).

Q: Is any diagnosis code set?

YES: Repair the MPI system (Refer to GROUP 13C – Troubleshooting, Inspection Chart for Diagnosis Trouble Code <6B3> or GROUP 13D – Troubleshooting, Inspection Chart for Diagnosis Trouble Code <4B1>).

NO: Go to Step 2.

STEP 2. Check the data list.

Using M.U.T.-III, check the data list (Refer to data list reference table <4B1> or <6B3>).

- Item 75: "CANCEL" switch
- Item 86: "ON/OFF" switch
- Item 91: "ACC/RES" switch
- Item 92: "COAST/SET" switch

Q: Is the check result normal?

YES: Go to Step 4. NO: Go to Step 3.

STEP 3. Check the cruise control switches.

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Q: Is the check result normal?

YES: Go to Step 4.

NO : Replace the cruise control switchesÈ Á

STEP 4. Check the symptom.

Q: Is the system turned on by operating the cruise control switch?

YES: It can be assumed that this malfunction is intermittent (Refer to GROUP 00 – How to Use Troubleshooting/Inspection Service Points, How to Cope with Intermittent Malfunction).

NO: Replace the engine-ECU (Refer to GROUP 13C – Engine-ECU <6B3> or GROUP 13D – Engine-ECU <4B1>).

ENGINE AND EMISSION CONTROL CRUISE CONTROL <BSY>

CHECK CHART FOR TROUBLE SYMPTOMS

M1172002301682

Trouble symptom		Inspection procedure No.	Reference page
Communication with M.U.TIII is not possible.	Communication with Engine-ECU is not possible.	_	GROUP 13A – Troubleshooting, Symptom Procedures, Inspection Procedure 1 .
When the brake peda cancelled.	al is depressed, cruise control is not	1	
When the clutch pedal is depressed, cruise control is not cancelled.		2	
When the "CANCEL" switch is pressed, cruise control is not cancelled.		3	
Cruise control cannot be set (No response "COAST/SET" switch and "ACC/RES" switch is pressed).		4	
Hunting (Repeated acceleration and deceleration) occurs at the set vehicle speed.		5	
When the "ON/OFF" switch is turned ON, the cruise control indicator lamp does not illuminate (However, the cruise control system is normal).		6	
When the cruise connot turned on.	trol switch is operated, the system is	7	

Inspection Procedure 7: When The Cruise Control Switch is Operated, The System is not Turned ON.

OPERATION

This circuit judges the signals of each switch ("ON/OFF", "CANCEL", "COAST/SET" and "ACC/RES") of the cruise control switch. The engine-ECU detects the state of the cruise control switch by sensing the voltages shown below.

- When all switches are released: 4.7 5.0 volts
- When the "ON/OFF" switch is pressed: 0 0.5
- When the "CANCEL" switch is pressed: 1.0 1.8 volts
- When the "COAST/SET" switch is pressed: 2.3 3.0 volts
- When the "ACC/RES" switch is pressed: 3.5 4.2 volts

COMMENTS ON TROUBLE SYMPTOM

The M.U.T.-III can also be used to check if the circuits of each input switches are normal or not by checking the data list.

NOTE: Press the cruise control switches one by one securely. Otherwise, the cruise control system may not be started.

PROBABLE CAUSES

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DIAGNOSIS PROCEDURE

STEP 1. Check the diesel fuel system diagnosis code.

Using M.U.T.-III, perform diesel fuel system diagnosis code (Refer to GROUP 13A – Troubleshooting, Diagnosis Function).

Q: Is any diagnosis code set?

YES: Repair the diesel fuel system (Refer to GROUP 13A – Troubleshooting, Inspection Chart for Diagnosis Trouble Code).

NO: Go to Step 2.

STEP 2. Check the data list.

Using M.U.T.-III, check the data list (Refer to data list reference table).

• Item 285: Cruise control switch

Q: Is the check result normal?

YES: Go to Step 4. NO: Go to Step 3.

STEP 3. Check the cruise control switches.

Q: Is the check result normal?

YES: Go to Step 4.

NO : Replace the cruise control switchesÈ Δ

STEP 4. Check the symptom.

Q: Is the system turned on by operating the cruise control switch?

YES: It can be assumed that this malfunction is intermittent (Refer to GROUP 00 – How to Use Troubleshooting/Inspection Service Points, How to Cope with Intermittent Malfunction).

NO: Replace the engine-ECU (Refer to GROUP 13A – Engine-ECU).

ENGINE AND EMISSION CONTROL CRUISE CONTROL <4HN>

CHECK CHART FOR TROUBLE SYMPTOMS

M1172002301701

Trouble symptom		Inspection procedure No.	Reference page
Communication with M.U.TIII is not possible.	Communication with Engine-ECU is not possible.	_	GROUP 13E – Troubleshooting, Symptom Procedures, Inspection Procedure 1
When the brake peda cancelled.	al is depressed, cruise control is not	1	
When the clutch pedal is depressed, cruise control is not cancelled <m t="">.</m>		2	
When the shift lever is set to "N" position, cruise control is not cancelled <tc-sst>.</tc-sst>		3	
When the "CANCEL" switch is pressed, cruise control is not cancelled.		4	
	t be set (No response "COAST/SET" S" switch is pressed).	5	
Hunting (repeated acceleration and deceleration) occurs at the set vehicle speed.		6	
When the "ON/OFF" switch is turned ON, the cruise control indicator lamp does not illuminate (However, the cruise control system is normal).		7	
When the cruise con not turned on.	trol switch is operated, the system is	8	

Inspection Procedure 8: When The Cruise Control Switch is Operated, The System is not Turned ON.

OPERATION

This circuit judges the signals of each switch ("ON/OFF", "CANCEL", "COAST/SET" and "ACC/RES") of the cruise control switch. The engine-ECU detects the state of the cruise control switch by sensing the voltages shown below.

- When all switches are released: 4.7 5.0 volts
- When the "ON/OFF" switch is pressed: 0 0.5
- When the "CANCEL" switch is pressed: 1.0 1.8 volts
- When the "COAST/SET" switch is pressed: 2.3 3.0 volts
- When the "ACC/RES" switch is pressed: 3.5 4.2 volts

COMMENTS ON TROUBLE SYMPTOM

The M.U.T.-III can also be used to check if the circuits of each input switches are normal or not by checking the data list.

NOTE: Press the cruise control switches one by one securely. Otherwise, the cruise control system may not be started.

PROBABLE CAUSES

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DIAGNOSIS PROCEDURE

STEP 1. Check the diesel fuel system diagnosis code.

Using M.U.T.-III, perform diesel fuel system diagnosis code (Refer to GROUP 13E – Troubleshooting, Diagnosis Function).

Q: Is any diagnosis code set?

YES: Repair the diesel fuel system (Refer to GROUP 13E – Troubleshooting, Inspection Chart for Diagnosis Trouble Code).

NO: Go to Step 2.

STEP 2. Check the data list.

Using M.U.T.-III, check the data list (Refer to data list reference table).

• Item 15: Cruise control switch

Q: Is the check result normal?

YES: Go to Step 4. NO: Go to Step 3.

STEP 3. Check the cruise control switches.

Q: Is the check result normal?

YES: Go to Step 4.

NO : Replace the cruise control switchesÈ Δ

STEP 4. Check the symptom.

Q: Is the system turned on by operating the cruise control switch?

YES: It can be assumed that this malfunction is intermittent (Refer to GROUP 00 – How to Use Troubleshooting/Inspection Service Points, How to Cope with Intermittent Malfunction).

NO: Replace the engine-ECU (Refer to GROUP 13E – Engine-ECU).

ENGINE AND EMISSION CONTROL CRUISE CONTROL <4N1>

Trouble symptom		Inspection procedure No.	Reference page
Communication with M.U.TIII is not possible.	Communication with the engine-ECU only is impossible.		GROUP 13C – Troubleshooting, Symptom Procedures, Inspection Procedure 1.
When the brake peda cancelled.	al is depressed, cruise control is not	1	
When the clutch peda cancelled.	al is depressed, cruise control is not	2	
When the "CANCEL" switch is pressed, cruise control is not cancelled.		3	
	Cruise control cannot be set (No response when the "COAST/SET" switch and the "ACC/RES" switch is pressed).		
Hunting (repeated ac set vehicle speed.	celeration and deceleration) occurs at the	5	
	switch is turned ON, the cruise control not illuminate (However, the cruise control	6	
When the cruise cont turned on.	rol switch is operated, the system is not	7	

Inspection Procedure 7: When The Cruise Control Switch is Operated, The System is not Turned ON.

OPERATION

This circuit judges the signals of each switch ("ON/OFF", "CANCEL", "COAST/SET" and "ACC/RES") of the cruise control switch. The engine-ECU detects the state of the cruise control switch by sensing the voltages shown below.

- When all switches are released: 4.7 5.0 volts
- When the "ON/OFF" switch is pressed: 0 0.5
- When the "CANCEL" switch is pressed: 1.0 1.8 volts
- When the "COAST/SET" switch is pressed: 2.3 3.0 volts
- When the "ACC/RES" switch is pressed: 3.5 4.2 volts

COMMENTS ON TROUBLE SYMPTOM

The M.U.T.-III can also be used to check if the circuits of each input switches are normal or not by checking the data list.

NOTE: Press the cruise control switches one by one securely. Otherwise, the cruise control system may not be started.

PROBABLE CAUSES

•ÁÁT æ‡~}&æā;}Á;Ás@Á&;~ãr^Ás@;}d[|Á;ãs&@•. •ÁÁT æ‡~}&æā;}Á;Ás@Ár}*ā;^ÉDÔW. #

DIAGNOSIS PROCEDURE

STEP 1. Check the diesel fuel system diagnosis code.

Using M.U.T.-III, perform diesel fuel system diagnosis code (Refer to GROUP 13F – Troubleshooting, Diagnosis Function).

Q: Is any diagnosis code set?

YES: Repair the diesel fuel system (Refer to GROUP 13F – Troubleshooting, Inspection Chart for Diagnosis Trouble Code).

NO: Go to Step 2.

STEP 2. Check the data list.

Using M.U.T.-III, check the data list (Refer to data list reference table).

- Item 136: "ON/OFF" switch.
- Item 137: "CANCEL" switch.
- Item 138: "COAST/SET" switch.
- Item 139: "ACC/RES" switch.

Q: Is the check result normal?

YES: Go to Step 4. NO: Go to Step 3.

STEP 3. Check the cruise control switches.

Q: Is the check result normal?

YES: Go to Step 4.

NO : Replace the cruise control switchesÈ Á

STEP 4. Check the symptom.

Q: Is the system turned on by operating the cruise control switch?

YES: It can be assumed that this malfunction is intermittent (Refer to GROUP 00 – How to Use Troubleshooting/Inspection Service Points, How to Cope with Intermittent Malfunction).

NO: Replace the engine-ECU (Refer to GROUP 13F – Engine-ECU).

CHECK CHART FOR TROUBLE SYMPTOMS

M1172002301712

Trouble symptom		Inspection procedure No.	Reference page
Communication with M.U.TIII is not possible.	Communication with Engine-ECU is not possible.	_	GROUP 13A – Troubleshooting.
When the brake peda cancelled.	al is depressed, cruise control is not	1	
When the clutch ped cancelled <m t="">.</m>	al is depressed, cruise control is not	2	
When the shift lever not cancelled <tc-s< td=""><td>is set to "N" position, cruise control is ST>.</td><td>3</td><td></td></tc-s<>	is set to "N" position, cruise control is ST>.	3	
When the "CANCEL" switch is pressed, cruise control is not cancelled.		4	
Cruise control cannot be set (No response "COAST/SET" switch and "ACC/RES" switch is pressed).		5	
Hunting (Repeated acceleration and deceleration) occurs at the set vehicle speed.		6	
When the "ON/OFF" switch is turned ON, the cruise control indicator lamp does not illuminate (However, the cruise control system is normal).		7	
When the cruise con not turned on.	trol switch is operated, the system is	8	

Inspection Procedure 8: When The Cruise Control Switch is Operated, The System is not Turned ON.

OPERATION

This circuit judges the signals of each switch ("ON/OFF", "CANCEL", "COAST/SET" and "ACC/RES") of the cruise control switch. The engine-ECU detects the state of the cruise control switch by sensing the voltages shown below.

- When all switches are released: 4.7 5.0 volts
- When the "ON/OFF" switch is pressed: 0 0.5
- When the "CANCEL" switch is pressed: 1.0 1.8 volts
- When the "COAST/SET" switch is pressed: 2.3 3.0 volts
- When the "ACC/RES" switch is pressed: 3.5 4.2 volts

COMMENTS ON TROUBLE SYMPTOM

The M.U.T.-III can also be used to check if the circuits of each input switches are normal or not by checking the data list.

NOTE: Press the cruise control switches one by one securely. Otherwise, the cruise control system may not be started.

PROBABLE CAUSES

•ÁT æ‡~} &cāt} Á; Ás@ Á&; ã^ÁsQ} d[|Á; ã&@•. •##Tæ‡~} &cāt} Á; Ás@ Á°; * ā; ^ ÉDÔW. #

DIAGNOSIS PROCEDURE

STEP 1. Check the diesel fuel system diagnosis code.

Using M.U.T.-III, perform diesel fuel system diagnosis code (Refer to GROUP 13A – Troubleshooting, Diagnosis Function).

Q: Is any diagnosis code set?

YES: Repair the diesel fuel system (Refer to GROUP 13A – Troubleshooting, Inspection Chart for Diagnosis Trouble Code).

NO: Go to Step 2.

STEP 2. Check the data list.

Using M.U.T.-III, check the data list (Refer to data list reference table).

• Item 15: Cruise control switch

Q: Is the check result normal?

YES: Go to Step 4. NO: Go to Step 3.

STEP 3. Check the cruise control switches.

Q: Is the check result normal?

YES: Go to Step 4.

NO : Replace the cruise control switchesÈ Δ

STEP 4. Check the symptom.

Q: Is the system turned on by operating the cruise control switch?

YES: It can be assumed that this malfunction is intermittent (Refer to GROUP 00 – How to Use Troubleshooting/Inspection Service Points, How to Cope with Intermittent Malfunction).

NO: Replace the engine-ECU (Refer to GROUP 13A – Engine-ECU).

ENGINE AND EMISSION CONTROL CRUISE CONTROL <4B12>

CHECK CHART FOR TROUBLE SYMPTOMS

M1172002301723

Trouble symptom		Inspection procedure No.	Reference page
Communication with M.U.TIII is not possible.	Communication with Engine-ECU is not possible.	_	GROUP 13C – Troubleshooting, Symptom Procedures, Inspection Procedure 1 .
When the brake peda cancelled.	al is depressed, cruise control is not	1	
When the clutch ped cancelled <m t="">.</m>	al is depressed, cruise control is not	2	
When the selector le control is not cancelle	ver is set to "N" position, cruise ed <cvt>.</cvt>	3	
When the "CANCEL" switch is pressed, cruise control is not cancelled.		4	
Cruise control cannot be set (No response "COAST/SET" switch and "ACC/RES" switch is pressed).		5	
Hunting (Repeated acceleration and deceleration) occurs at the set vehicle speed <m t="">.</m>		6	
Hunting (Repeated acceleration and deceleration) occurs at the set vehicle speed <cvt>.</cvt>		7	
When the "ON/OFF" switch is turned ON, the cruise control indicator lamp does not illuminate (However, the cruise control system is normal).		8	
When the cruise con not turned on.	trol switch is operated, the system is	9	

Inspection Procedure 9: When The Cruise Control Switch is Operated, The System is not Turned ON.

OPERATION

This circuit judges the signals of each switch ("ON/OFF", "CANCEL", "COAST/SET" and "ACC/RES") of the cruise control switch. The engine-ECU detects the state of the cruise control switch by sensing the voltages shown below.

- When all switches are released: 4.7 5.0 volts
- When the "ON/OFF" switch is pressed: 0 0.5
- When the "CANCEL" switch is pressed: 1.0 1.8 volts
- When the "COAST/SET" switch is pressed: 2.3 3.0 volts
- When the "ACC/RES" switch is pressed: 3.5 4.2 volts

COMMENTS ON TROUBLE SYMPTOM

The M.U.T.-III can also be used to check if the circuits of each input switches are normal or not by checking the data list.

NOTE: Press the cruise control switches one by one securely. Otherwise, the cruise control system may not be started.

PROBABLE CAUSES

•ÁÁT æḥ~} &cā[} Á; -Ás@ Á&; ão^Á&[} d[|Ár, ãu&@•. •ÁÁT æḥ~} &cā[} Á; -Ás@ Ár)* ē]^ÉDÔW. Á

DIAGNOSIS PROCEDURE

STEP 1. Check the MPI system diagnosis code. Using M.U.T.-III, perform MPI system diagnosis code (Refer to GROUP 13C – Troubleshooting, Diagnosis Function).

Q: Is any diagnosis code set?

YES: Repair the MPI system (Refer to GROUP 13C – Troubleshooting, Inspection Chart for Diagnosis Trouble Code).

NO: Go to Step 2.

STEP 2. Check the data list.

Using M.U.T.-III, check the data list (Refer to data list reference table).

- Item 75: "CANCEL" switch
- Item 86: "ON/OFF" switch
- Item 91: "ACC/RES" switch
- Item 92: "COAST/SET" switch

Q: Is the check result normal?

YES: Go to Step 4. NO: Go to Step 3.

STEP 3. Check the cruise control switches.

Q: Is the check result normal?

YES: Go to Step 4.

NO : Replace the cruise control switchesÈ

STEP 4. Check the symptom.

Q: Is the system turned on by operating the cruise control switch?

YES: It can be assumed that this malfunction is intermittent (Refer to GROUP 00 – How to Use Troubleshooting/Inspection Service Points, How to Cope with Intermittent Malfunction).

NO: Replace the engine-ECU (Refer to GROUP 13C – Engine-ECU).

ENGINE AND EMISSION CONTROL CRUISE CONTROL

CHECK CHART FOR TROUBLE SYMPTOMS <6G7>

M1172002302049

Trouble symptom		Inspection procedure No.	Reference page
Communication with M.U.TIII is not possible.	Communication with the engine-ECU <m t=""> or engine-A/T-ECU only is impossible.</m>	_	GROUP 13A – Symptom Procedures, Inspection Procedure 1 <6G75>
		_	GROUP 13D – Symptom Procedures, Inspection Procedure 1 <6G72>
When the brake peda cancelled.	l is depressed, cruise control is not	1	
When the clutch peda cancelled <m t="">.</m>	ll is depressed, cruise control is not	2	
When the selector lever is set to "N" position, cruise control is not cancelled .		3	
When the "CANCEL" switch is pushed, cruise control is not cancelled.		4	
	be set (No response when the "COAST/ACC/RES" switch is pushed).	5	
Hunting (repeated acceleration and deceleration) occurs at the set vehicle speed.		6	
When the "ON/OFF" switch is turned ON, the cruise control indicator lamp does not illuminate. (However, the cruise control system is normal).		7	
When the cruise control switch is operated, the system is not turned on.		8	

Inspection Procedure 8: When The Cruise Control Switch is Operated, The System is not Turned ON.

OPERATION

This circuit judges the signals of each switch ("ON/OFF", "CANCEL", "COAST/SET" and "ACC/RES") of the cruise control switch. The engine-ECU <M/T> or engine-A/T-ECU <A/T> detects the state of the cruise control switch by sensing the voltages shown below

- When all switches are released: 4.7 5.0 volts
- When the "ON/OFF" switch is pushed: 0 0.5 volt
- When the "CANCEL" switch is pushed: 1.0 1.8 volts
- When the "COAST/SET" switch is pushed: 2.3 3.0 volts
- When the "ACC/RES" switch is pushed: 3.5 4.2 volts

COMMENTS ON TROUBLE SYMPTOM

The M.U.T.-III can also be used to check if the circuits of each input switches are normal or not by checking the data list.

NOTE: Press the cruise control switches one by one securely. Otherwise, the cruise control system may not be started.

PROBABLE CAUSES

- •ÁÁT æþ~`} &cā[}Á; Ác@^Á&L`ãr^Á&[}d[|Á:, ãc&@•.
- •ÁÁT æ‡~} &cã;} Á; -Ác@ Á?} * ã, ^ÉÒÔWÁLT Đ/N.
- •ÁÁT æþ~`}&@A`}Áx ~Áx@A`}*ā;^ËDEDVËÒÔWÁLOEDVN.

DIAGNOSIS PROCEDURE

STEP 1. Check the MPI system diagnosis code. Using M.U.T.-III, perform MPI system diagnosis code (Refer to GROUP 13A – Troubleshooting, Diagnosis Function <6G75> or GROUP 13D – Troubleshooting, Diagnosis Function <6G72>).

Q: Is any diagnosis code set?

YES: Repair the MPI system (Refer to GROUP 13A – Troubleshooting, Inspection Chart for Diagnosis Trouble Code <6G75> or GROUP 13D – Troubleshooting, Inspection Chart for Diagnosis Code <6G72>).

NO: Go to Step 2.

STEP 2. Check the data list.

Using M.U.T.-III, check the data list (Refer to data list reference table).

- Item 75: "CANCEL" switch.
- Item 86: "ON/OFF" switch.
- Item 91: "ACC/RES" switch.
- Item 92: "COAST/SET" switch.

Q: Is the check result normal?

YES: Go to Step 4. NO: Go to Step 3.

STEP 3. Check the cruise control switches.

Q: Is the check result normal?

YES: Go to Step 4.

NO: Replace the cruise control switches.

STEP 4. Check the symptom.

Q: Is the system turned on by operating the cruise control switch?

YES: It can be assumed that this malfunction is intermittent (Refer to GROUP 00 – How to Use Troubleshooting/Inspection Service Points, How to Cope with Intermittent Malfunction).

NO: Replace the engine-A/T-ECU (Refer to GROUP 13A – Engine-A/T-ECU) <6G75>, or replace the engine-ECU <M/T> or engine-A/T-ECU <A/T> (Refer to GROUP 13D – Engine-ECU and Engine-A/T-ECU) <6G72>.

CHECK CHART FOR TROUBLE SYMPTOMS <4M4>

M1172002302050

/ –	GROUP 13B -
	Symptom Procedures, Inspection Procedure 1
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2	
ot 3	
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8	
	2 ot 3 4 5 6 7

Inspection Procedure 8: When The Cruise Control Switch is Operated, The System is not Turned ON.

OPERATION

This circuit judges the signals of each switch ("ON/OFF", "CANCEL", "COAST/SET" and "ACC/RES") of the cruise control switch. The engine-ECU detects the state of the cruise control switch by sensing the voltages shown below.

- When all switches are released: 4.7 5.0 volts
- When the "ON/OFF" switch is pushed: 0 0.5
- When the "CANCEL" switch is pushed: 1.0 1.8 volts
- When the "COAST/SET" switch is pushed: 2.3 3.0 volts
- When the "ACC/RES" switch is pushed: 3.5 4.2 volts

COMMENTS ON TROUBLE SYMPTOM

The M.U.T.-III can also be used to check if the circuits of each input switches are normal or not by checking the data list.

NOTE: Press the cruise control switches one by one securely. Otherwise, the cruise control system may not be started.

PROBABLE CAUSES

- Malfunction of the cruise control switches.
- Malfunction of the engine-ECU.

DIAGNOSIS PROCEDURE

STEP 1. Check the diesel fuel system diagnosis code.

Using M.U.T.-III, perform diesel fuel system diagnosis code (Refer to GROUP 13B – Troubleshooting, Diagnosis Function).

Q: Is any diagnosis code set?

YES: Repair the diesel fuel system (Refer to GROUP 13B – Troubleshooting, Inspection Chart for Diagnosis Trouble Code).

NO: Go to Step 2.

STEP 2. Check the data list.

Using M.U.T.-III, check the data list (Refer to data list reference table).

- Item 136: "ON/OFF" switch.
- Item 137: "CANCEL" switch.
- Item 138: "COAST/SET" switch.
- Item 139: "ACC/RES" switch.

Q: Is the check result normal?

YES: Go to Step 4. NO: Go to Step 3.

STEP 3. Check the cruise control switches.

Q: Is the check result normal?

YES: Go to Step 4.

NO: Replace the cruise control switches.

STEP 4. Check the symptom.

Q: Is the system turned on by operating the cruise control switch?

YES: It can be assumed that this malfunction is intermittent (Refer to GROUP 00 – How to Use Troubleshooting/Inspection Service Points, How to Cope with Intermittent Malfunction).

NO: Replace the engine-ECU (Refer to GROUP 13B – Engine-ECU).

ENGINE AND EMISSION CONTROL CRUISE CONTROL

CHECK CHART FOR TROUBLE SYMPTOMS

M1172002301938

		Inspection procedure No.	Reference page
Communication with M.U.TIII is not possible.	Communication with the engine-ECU only is impossible.	_	GROUP 13A – Troubleshooting, Symptom Procedures, Inspection Procedure 1
When the brake cancelled.	pedal is depressed, cruise control is not	1	
When the clutch cancelled <m t=""></m>	pedal is depressed, cruise control is not .	2	
When the select lever is set to "N" position, cruise control is not cancelled .		3	
When the "CANCEL" switch is pushed, cruise control is not cancelled.		4	
Cruise control cannot be set (No response when the "COAST/SET" switch and the "ACC/RES" switch is pushed).		5	
Hunting (repeated acceleration and deceleration) occurs at the set vehicle speed.		6	
	FF" switch is turned ON, the cruise control pes not illuminate (However, the cruise normal).	7	
When the cruise turned on.	control switch is operated, the system is not	8	

Inspection Procedure 8: When The Cruise Control Switch is Operated, The System is not Turned ON.

OPERATION

This circuit judges the signals of each switch ("ON/OFF", "CANCEL", "COAST/SET" and "ACC/RES") of the cruise control switch. The engine-ECU detects the state of the cruise control switch by sensing the voltages shown below.

- When all switches are released: 4.7 5.0 volts
- When the "ON/OFF" switch is pressed: 0 0.5
- When the "CANCEL" switch is pressed: 1.0 1.8 volts
- When the "COAST/SET" switch is pressed: 2.3 3.0 volts
- When the "ACC/RES" switch is pressed: 3.5 4.2 volts

COMMENTS ON TROUBLE SYMPTOM

The M.U.T.-III can also be used to check if the circuits of each input switches are normal or not by checking the data list.

NOTE: Press the cruise control switches one by one securely. Otherwise, the cruise control system may not be started.

PROBABLE CAUSES

- Malfunction of the cruise control switches.
- Malfunction of the engine-ECU.

DIAGNOSIS PROCEDURE

STEP 1. Check the diesel fuel system diagnosis code.

Using M.U.T.-III, perform diesel fuel system diagnosis code (Refer to GROUP 13A – Troubleshooting, Diagnosis Function).

Q: Is any diagnosis code set?

YES: Repair the diesel fuel system (Refer to GROUP 13A – Troubleshooting, Inspection Chart for Diagnosis Trouble Code).

NO: Go to Step 2.

STEP 2. Check the data list.

Using M.U.T.-III, check the data list (Refer to data list reference table).

- Item 136: "ON/OFF" (MAIN) switch
- Item 137: "CANCEL" switch
- Item 138: "COAST/SET" switch
- Item 139: "ACC/RES" switch

Q: Is the check result normal?

YES: Go to Step 4. NO: Go to Step 3.

STEP 3. Check the cruise control switches.

Q: Is the check result normal?

YES: Go to Step 4.

NO: Replace the cruise control switches.

STEP 4. Check the symptom.

Q: Is the system turned on by operating the cruise control switch?

YES: It can be assumed that this malfunction is intermittent (Refer to GROUP 00 – How to Use Troubleshooting/Inspection Service Points, How to Cope with Intermittent Malfunction).

NO: Replace the engine-ECU (Refer to GROUP 13A – Engine-ECU).

ENGINE AND EMISSION CONTROL CRUISE CONTROL <4B1>

CHECK CHART FOR TROUBLE SYMPTOMS

M1172002301671

Trouble symptom		Inspection procedure No.	Reference page
Communication with M.U.TIII is not possible.	Communication with the engine-ECU only is impossible	_	GROUP 13B – Troubleshooting, Symptom Procedures, Inspection Procedure 1.
When the brake peda cancelled.	ll is depressed, cruise control is not	1	
When the clutch peda cancelled <m t="">.</m>	al is depressed, cruise control is not	2	
When the elector leve cancelled <cvt>.</cvt>	er is set to "N" position, cruise control is not	3	
When the "CANCEL" cancelled.	switch is pushed, cruise control is not	4	
	be set (No response when the "COAST/ 'ACC/RES" switch is pushed).	5	
Hunting (repeated accessed vehicle speed <m< td=""><td>celeration and deceleration) occurs at the /T>.</td><td>6</td><td></td></m<>	celeration and deceleration) occurs at the /T>.	6	
Hunting (repeated accessed vehicle speed <c'< td=""><td>celeration and deceleration) occurs at the VT>.</td><td>7</td><td></td></c'<>	celeration and deceleration) occurs at the VT>.	7	
	switch is turned ON, the cruise control ot illuminate. (However, the cruise control	8	
When the cruise cont turned on.	rol switch is operated, the system is not	9	

Inspection Procedure 9: When The Cruise Control Switch is Operated, The System is not Turned ON.

OPERATION

This circuit judges the signals of each switch ("ON/OFF", "CANCEL", "COAST/SET" and "ACC/RES") of the cruise control switch. The engine-ECU detects the state of the cruise control switch by sensing the voltages shown below.

- When all switches are released: 4.7 5.0 volts
- When the "ON/OFF" switch is pushed: 0 0.5
- When the "CANCEL" switch is pushed: 1.0 1.8 volts
- When the "COAST/SET" switch is pushed: 2.3 3.0 volts
- When the "ACC/RES" switch is pushed: 3.5 4.2 volts

COMMENTS ON TROUBLE SYMPTOM

The M.U.T.-III can also be used to check if the circuits of each input switches are normal or not by checking the data list.

NOTE: Press the cruise control switches one by one securely. Otherwise, the cruise control system may not be started.

PROBABLE CAUSES

•ÁAT æh~`} &cā[} Aj.~Ás@ Á&L``ār^Á&[} d[|Ár], ãt&@•. •ÁAT æh~`} &cā[} Aj.~Ás@ Ár}*ā]^ÉDÔW. Á

DIAGNOSIS PROCEDURE

STEP 1. Check the MPI system diagnosis code. Using M.U.T.-III, perform MPI system diagnosis code (Refer to GROUP 13B – Troubleshooting, Diagnosis Function).

Q: Is any diagnosis code set?

YES: Repair the MPI system (Refer to GROUP 13B – Troubleshooting, Inspection Chart for Diagnosis Code).

NO: Go to Step 2.

STEP 2. Check the data list.

Using M.U.T.-III, check the data list (Refer to data list reference table).

- Item 75: "CANCEL" switch
- Item 86: "ON/OFF" switch
- Item 91: "ACC/RES" switch
- Item 92: "COAST/SET" switch

Q: Is the check result normal?

YES: Go to Step 4. NO: Go to Step 3.

STEP 3. Check the cruise control switches.

Q: Is the check result normal?

YES: Go to Step 4.

NO : Replace the cruise control switchesÈ Á

STEP 4. Check the symptom.

Q: Is the system turned on by operating the cruise control switch?

YES: It can be assumed that this malfunction is intermittent (Refer to GROUP 00 – How to Use Troubleshooting/Inspection Service Points, How to Cope with Intermittent Malfunction).

NO: Replace the engine-ECU (Refer to GROUP 13B – Engine-ECU).

ENGINE AND EMISSION CONTROL CRUISE CONTROL <4B1>

CHECK CHART FOR TROUBLE SYMPTOMS

M1172002301994

Trouble symptom		Inspection procedure No.	Reference page
Communication with M.U.TIII is not possible.	Communication with Engine-ECU is not possible.	_	GROUP 13A – Troubleshooting, Symptom Procedures, Inspection Procedure 1 .
When the brake peda cancelled.	al is depressed, cruise control is not	1	
When the clutch ped cancelled <m t="">.</m>	al is depressed, cruise control is not	2	
When the selector le control is not cancelle	ver is set to "N" position, cruise ed <cvt>.</cvt>	3	
When the "CANCEL" switch is pressed, cruise control is not cancelled.		4	
Cruise control cannot be set (No response "COAST/SET" switch and "ACC/RES" switch is pressed).		5	
Hunting (repeated acceleration and deceleration) occurs at the set vehicle speed <m t="">.</m>		6	
Hunting (repeated acceleration and deceleration) occurs at the set vehicle speed <cvt>.</cvt>		7	
When the "ON/OFF" switch is turned ON, the cruise control indicator lamp does not illuminate (However, the cruise control system is normal).		8	
When the cruise control switch is operated, the system is not turned on.		9	

ENGINE AND EMISSION CONTROL CRUISE CONTROL <4B1>

Inspection Procedure 9: When The Cruise Control Switch is Operated, The System is not Turned ON.

OPERATION

This circuit judges the signals of each switch ("ON/OFF", "CANCEL", "COAST/SET" and "ACC/RES") of the cruise control switch. The engine-ECU detects the state of the cruise control switch by sensing the voltages shown below.

- When all switches are released: 4.7 5.0 volts
- When the "ON/OFF" switch is pressed: 0 0.5
- When the "CANCEL" switch is pressed: 1.0 1.8 volts
- When the "COAST/SET" switch is pressed: 2.3 3.0 volts
- When the "ACC/RES" switch is pressed: 3.5 4.2 volts

COMMENTS ON TROUBLE SYMPTOM

The M.U.T.-III can also be used to check if the circuits of each input switches are normal or not by checking the data list.

NOTE: Press the cruise control switches one by one securely. Otherwise, the cruise control system may not be started.

PROBABLE CAUSES

•ÁÁT æ‡~`}&@ā;}Á;Áo@Á&;`ãr^Ás[}d[|Ár;ãn&@•. •ÁÁT æ‡~`}&@ā;}Á;Áo@Ár}*ā;^ÉDÔW. #

DIAGNOSIS PROCEDURE

STEP 1. Check the MPI system diagnosis code. Using M.U.T.-III, perform MPI system diagnosis code (Refer to GROUP 13A – Troubleshooting, Diagnosis Function).

Q: Is any diagnosis code set?

YES: Repair the MPI system (Refer to GROUP 13A – Troubleshooting, Inspection Chart for Diagnosis Code).

NO: Go to Step 2.

STEP 2. Check the data list.

Using M.U.T.-III, check the data list (Refer to data list reference table).

- Item 75: "CANCEL" switch
- Item 86: "ON/OFF" switch
- Item 91: "ACC/RES" switch
- Item 92: "COAST/SET" switch

Q: Is the check result normal?

YES: Go to Step 4. NO: Go to Step 3.

STEP 3. Check the cruise control switches.

Á

Q: Is the check result normal?

YES: Go to Step 4.

NO: Replace the cruise control switchesÈ

STEP 4. Check the symptom.

Q: Is the system turned on by operating the cruise control switch?

YES: It can be assumed that this malfunction is intermittent (Refer to GROUP 00 – How to Use Troubleshooting/Inspection Service Points, How to Cope with Intermittent Malfunction).

NO: Replace the engine-ECU (Refer to GROUP 13A – Engine-ECU).

ENGINE AND EMISSION CONTROL CRUISE CONTROL <4N1>

CHECK CHART FOR TROUBLE SYMPTOMS

M1172002301972

Trouble symptom		Inspection procedure No.	Reference page
Communication with M.U.TIII is not possible.	Communication with the engine-ECU only is impossible.	_	GROUP 13B – Troubleshooting, Symptom Procedures, Inspection Procedure 1.
When the brake peda cancelled.	ll is depressed, cruise control is not	1	
When the clutch peda cancelled.	al is depressed, cruise control is not	2	
When the "CANCEL" cancelled.	switch is pressed, cruise control is not	3	
	be set (No response when the "COAST/ 'ACC/RES" switch is pressed).	4	
Hunting (repeated accessed vehicle speed.	celeration and deceleration) occurs at the	5	
	switch is turned ON, the cruise control ot illuminate (However, the cruise control	6	
When the cruise cont turned on.	rol switch is operated, the system is not	7	

Inspection Procedure 7: When The Cruise Control Switch is Operated, The System is not Turned ON.

OPERATION

This circuit judges the signals of each switch ("ON/OFF", "CANCEL", "COAST/SET" and "ACC/RES") of the cruise control switch. The engine-ECU detects the state of the cruise control switch by sensing the voltages shown below.

- When all switches are released: 4.7 5.0 volts
- When the "ON/OFF" switch is pressed: 0 0.5
- When the "CANCEL" switch is pressed: 1.0 1.8 volts
- When the "COAST/SET" switch is pressed: 2.3 3.0 volts
- When the "ACC/RES" switch is pressed: 3.5 4.2 volts

COMMENTS ON TROUBLE SYMPTOM

The M.U.T.-III can also be used to check if the circuits of each input switches are normal or not by checking the data list.

NOTE: Press the cruise control switches one by one securely. Otherwise, the cruise control system may not be started.

PROBABLE CAUSES

- Malfunction of the cruise control switches.
- Malfunction of the engine-ECU.

DIAGNOSIS PROCEDURE

STEP 1. Check the diesel fuel system diagnosis code.

Using M.U.T.-III, perform diesel fuel system diagnosis code (Refer to GROUP 13B – Troubleshooting, Diagnosis Function).

Q: Is any diagnosis code set?

YES: Repair the diesel fuel system (Refer to GROUP 13B – Troubleshooting, Inspection Chart for Diagnosis Trouble Code).

NO: Go to Step 2.

STEP 2. Check the data list.

Using M.U.T.-III, check the data list (Refer to data list reference table).

- Item 136: "ON/OFF" switch.
- Item 137: "CANCEL" switch.
- Item 138: "COAST/SET" switch.
- Item 139: "ACC/RES" switch.

Q: Is the check result normal?

YES: Go to Step 4. NO: Go to Step 3.

STEP 3. Check the cruise control switches.

Q: Is the check result normal?

YES: Go to Step 4.

NO: Replace the cruise control switches.

STEP 4. Check the symptom.

Q: Is the system turned on by operating the cruise control switch?

YES: It can be assumed that this malfunction is intermittent (Refer to GROUP 00 – How to Use Troubleshooting/Inspection Service Points, How to Cope with Intermittent Malfunction).

NO: Replace the engine-ECU (Refer to GROUP 13B – Engine-ECU).

ENGINE AND EMISSION CONTROL CRUISE CONTROL

Trouble symptom		Inspection procedure No.	Reference page
Communication with M.U.TIII is not possible.	1.U.TIII is not ECU only is impossible		GROUP 13A – Troubleshooting, Symptom Procedures, Inspection Procedure 1 <4B1>.
			GROUP 13B – Troubleshooting, Symptom Procedures, Inspection Procedure 1 <6B3>.
When the brake peda cancelled.	al is depressed, cruise control is not	1	
When the clutch ped- cancelled <m t="">.</m>	al is depressed, cruise control is not	2	
	When the selector lever is set to "N" position, cruise control is not cancelled <cvt, a="" t="">.</cvt,>		
When the "CANCEL" switch is set to ON, cruise control is not cancelled.		4	
Cruise control cannot be set (No response when the "COAST/SET" switch and the "ACC/RES" switch is pressed).		5	
Hunting (repeated acceleration and deceleration) occurs at the set vehicle speed <m t="">.</m>		6	
Hunting (repeated acceleration and deceleration) occurs at the set vehicle speed <cvt, a="" t="">.</cvt,>		7	
When the "ON/OFF" switch is turned ON, the cruise control indicator lamp does not illuminate (However, the cruise control system is normal).		8	
When the cruise con not turned on.	trol switch is operated, the system is	9	

Inspection Procedure 9: When The Cruise Control Switch is Operated, The System is not Turned ON.

OPERATION

This circuit judges the signals of each switch ("ON/OFF", "CANCEL", "COAST/SET" and "ACC/RES") of the cruise control switch. The engine-ECU detects the state of the cruise control switch by sensing the voltages shown below.

- When all switches are released: 4.7 5.0 volts
- When the "ON/OFF" switch is pushed: 0 0.5
- When the "CANCEL" switch is pushed: 1.0 1.8 volts
- When the "COAST/SET" switch is pushed: 2.3 3.0 volts
- When the "ACC/RES" switch is pushed: 3.5 4.2 volts

COMMENTS ON TROUBLE SYMPTOM

The M.U.T.-III can also be used to check if the circuits of each input switches are normal or not by checking the data list.

NOTE: Press the cruise control switches one by one securely. Otherwise, the cruise control system may not be started.

PROBABLE CAUSES

- Malfunction of the cruise control switches.
- Malfunction of the engine-ECU.

DIAGNOSIS PROCEDURE

STEP 1. Check the MPI system diagnosis code. Using M.U.T.-III, perform MPI system diagnosis code (Refer to GROUP 13A – Troubleshooting, Diagnosis Function <4B1> or GROUP 13B – Troubleshooting, Diagnosis Function <6B3>).

Q: Is any diagnosis code set?

YES: Repair the MPI system (Refer to GROUP 13A – Troubleshooting, Inspection Chart for Diagnosis Trouble Code <4B1> or GROUP 13B – Troubleshooting, Inspection Chart for Diagnosis Trouble Code <6B3>).

NO: Go to Step 2.

STEP 2. Check the data list.

Using M.U.T.-III, check the data list (Refer to data list reference table <4B1> or <6B3>).

- Item 75: "CANCEL" switch
- Item 86: "ON/OFF" switch
- Item 91: "ACC/RES" switch
- Item 92: "COAST/SET" switch

Q: Is the check result normal?

YES: Go to Step 4. NO: Go to Step 3.

STEP 3. Check the cruise control switches.

Q: Is the check result normal?

YES: Go to Step 4.

NO: Replace the cruise control switches.

STEP 4. Check the symptom.

Q: Is the system turned on by operating the cruise control switch?

YES: It can be assumed that this malfunction is intermittent (Refer to GROUP 00 – How to Use Troubleshooting/Inspection Service Points, How to Cope with Intermittent Malfunction).

NO: Replace the engine-ECU (Refer to GROUP 13A – Engine-ECU <4B1> or GROUP 13B – Engine-ECU <6B3>).

ENGINE AND EMISSION CONTROL CRUISE CONTROL

TROUBLE SYMPTOM CHART

M1172002300838

Trouble symptom		Inspection procedure No.	Reference page
Communication with M.U.TIII is not possible.	Communication is not possible only between M.U.TIII and the engine-ECU.		Refer to GROUP 13A - Troubleshooting, Trouble Symptom Inspection Procedure, Inspection Procedure 1.
The cruise control is not	When the brake pedal is depressed	1	
cancelled.	When the selector lever is moved to the "N" position	2	
	When the "CANCEL" switch of the cruise control switch is pressed	3	
	be set. (No response even by when the I "ACC/RES" switch are pressed)	4	
Hunting (repetition of according to the speed).	eleration/deceleration) occurs at the set	5	
The cruise control indicator lamp does not illuminate when the "ON/OFF" (main) switch of the cruise control switch is pressed. (However, the cruise control system is normal.)		6	
When the cruise control s turned on.	witch is operated, the system is not	7	

Inspection Procedure 7: When The Cruise Control Switch is Operated, The System is not Turned ON.

OPERATION

This circuit monitors signals from the switches ["ON/OFF" (main), "CANCEL", "COAST/SET", and "ACC/RES"] of the cruise control switch, and the engine-ECU judges the operation status of each switch based on the input voltage from the cruise control switch.

- When all the switches of the cruise control are OFF: 4.7 – 5.0 V
- When the "ON/OFF" (main) switch is ON: 0 0.5
- When the "CANCEL" switch is ON: 1.0 1.8 V
- When the "COAST/SET" switch is ON: 2.3 3.0
- When the "ACC/RES" switch is ON: 3.5 4.2 V

COMMENTS ON TROUBLE SYMPTOM

The M.U.T.-III can also be used to check if the circuits of each input switches are normal or not by checking the data list.

NOTE: Press the cruise control switches one by one securely. Otherwise, the cruise control system may not be started.

PROBABLE CAUSES

- Malfunction of the cruise control switches.
- Malfunction of the engine-ECU.

DIAGNOSIS PROCEDURE

STEP 1. Check the MPI system diagnosis code. Using M.U.T.-III, perform MPI system diagnosis code (Refer to GROUP 13A – Troubleshooting, Diagnosis Function).

Q: Is any diagnosis code set?

YES: Repair the MPI system (Refer to GROUP 13A – Troubleshooting, Diagnosis Code Chart).

NO: Go to Step 2.

STEP 2. Check the data list.

Using M.U.T.-III, check the data list (Refer to data list reference table).

- Item 75: "CANCEL" switch
- Item 86: "ON/OFF" switch
- Item 91: "ACC/RES" switch
- Item 92: "COAST/SET" switch

Q: Is the check result normal?

YES: Go to Step 4. NO: Go to Step 3.

STEP 3. Check the cruise control switches.

Q: Is the check result normal?

YES: Go to Step 4.

NO: Replace the cruise control switches.

STEP 4. Check the symptom.

Q: Is the system turned on by operating the cruise control switch?

YES: It can be assumed that this malfunction is intermittent (Refer to GROUP 00 – How to Use Troubleshooting/Inspection Service Points, How to Cope with Intermittent Malfunction).

NO: Replace the engine-ECU (Refer to GROUP 13A – Engine-ECU).

ENGINE AND EMISSION CONTROL CRUISE CONTROL <4M4, 4D5>

Trouble symptom		Inspection procedure No.	Reference page
Communication with M.U.TIII is not possible.	Communication with the engine-ECU only is impossible.		GROUP 13A – Troubleshooting, Symptom Procedures, Inspection Procedure 1 <4M4>
		_	GROUP 13C – Troubleshooting, Symptom Procedures, Inspection Procedure 1 <4D5>
When the brake peda cancelled.	l is depressed, cruise control is not	1	
When the clutch pedal is depressed, cruise control is not cancelled <m t="">.</m>		2	
When the select lever is set to "N" position, cruise control is not cancelled .		3	
When the "CANCEL" switch is pushed, cruise control is not cancelled.		4	
	be set (No response when the "COAST/ 'ACC/RES" switch is pushed).	5	
Hunting (repeated acceleration and deceleration) occurs at the set vehicle speed <2WD-M/T, 4WD>.		6	
Hunting (repeated acceleration and deceleration) occurs at the set vehicle speed <2WD-A/T>.		7	
	switch is turned ON, the cruise control ot illuminate (However, the cruise control	8	
When the cruise control switch is operated, the system is not turned on.		9	

Inspection Procedure 9: When The Cruise Control Switch is Operated, The System is not Turned ON.

OPERATION

This circuit judges the signals of each switch ("ON/OFF", "CANCEL", "COAST/SET" and "ACC/RES") of the cruise control switch. The engine-ECU detects the state of the cruise control switch by sensing the voltages shown below.

- When all switches are released: 4.7 5.0 volts
- When the "ON/OFF" switch is pushed: 0 0.5
- When the "CANCEL" switch is pushed: 1.0 1.8 volts
- When the "COAST/SET" switch is pushed: 2.3 3.0 volts
- When the "ACC/RES" switch is pushed: 3.5 4.2 volts

COMMENTS ON TROUBLE SYMPTOM

The M.U.T.-III can also be used to check if the circuits of each input switches are normal or not by checking the data list.

NOTE: Press the cruise control switches one by one securely. Otherwise, the cruise control system may not be started.

PROBABLE CAUSES

- Malfunction of the cruise control switches.
- Malfunction of the engine-ECU.

DIAGNOSIS PROCEDURE

STEP 1. Check the diesel fuel system diagnosis code.

Using M.U.T.-III, perform diesel fuel system diagnosis code (Refer to GROUP 13A – Troubleshooting, Diagnosis Function <4M4> or GROUP 13C – Troubleshooting, Diagnosis Function <4D5>).

Q: Is any diagnosis code set?

YES: Repair the diesel fuel system (Refer to GROUP 13A – Troubleshooting, Inspection Chart for Diagnosis Trouble Code <4M4> or GROUP 13C – Troubleshooting, Inspection Chart for Diagnosis Trouble Code <4D5>).

NO: Go to Step 2.

STEP 2. Check the data list.

Using M.U.T.-III, check the data list (Refer to data list reference table).

- Item 136: "ON/OFF" switch
- Item 137: "CANCEL" switch
- Item 138: "COAST/SET" switch
- Item 139: "ACC/RES" switch

Q: Is the check result normal?

YES: Go to Step 4. NO: Go to Step 3.

STEP 3. Check the cruise control switches.

Q: Is the check result normal?

YES: Go to Step 4.

NO: Replace the cruise control switches.

STEP 4. Check the symptom.

Q: Is the system turned on by operating the cruise control switch?

YES: It can be assumed that this malfunction is intermittent (Refer to GROUP 00 – How to Use Troubleshooting/Inspection Service Points, How to Cope with Intermittent Malfunction).

NO: Replace the engine-ECU (Refer to GROUP 13A – Engine-ECU <4M4> or GROUP 13C – Engine-ECU <4D5>).

ENGINE AND EMISSION CONTROL CRUISE CONTROL <6G7, 6B3>

CHECK CHART FOR TROUBLE SYMPTOMS

M1172002301897

Trouble symptom		Inspection	Reference page
		procedure No.	
Communication with M.U.TIII is not possible.	Communication with the engine-ECU <m t=""> or engine-A/T-ECU only is impossible <6G7>.</m>	_	GROUP 13D – Troubleshooting, Symptom Procedures, Inspection Procedure 1
	Communication with the engine-ECU only is impossible <6B3>.	_	GROUP 13E – Troubleshooting, Symptom Procedures, Inspection Procedure 1
When the brake peda cancelled.	Il is depressed, cruise control is not	1	
When the clutch peda cancelled <m t="">.</m>	al is depressed, cruise control is not	2	
When the selector lever not cancelled <6G7-A	ver is set to "N" position, cruise control is N/T>.	3	
When the selector lever not cancelled <6B3>.	ver is set to "N" position, cruise control is	4	
When the "CANCEL" switch is pushed, cruise control is not cancelled.		5	
Cruise control cannot be set (No response when the "COAST/SET" switch and the "ACC/RES" switch is pushed) <6G7>.		6	
Cruise control cannot be set (No response when the "COAST/SET" switch and the "ACC/RES" switch is pushed) <6B3>.		7	
Hunting (repeated acceleration and deceleration) occurs at the set vehicle speed.		8	
When the "ON/OFF" switch is turned ON, the cruise control indicator lamp does not illuminate (However, the cruise control system is normal) <6G7>.		9	
When the "ON/OFF" switch is turned ON, the cruise control indicator lamp does not illuminate (However, the cruise control system is normal) <6B3>.		10	
When the cruise control switch is operated, the system is not turned on.		11	
4 \(\text{Adods} \)			

Inspection Procedure 11: When The Cruise Control Switch is Operated, The System is not Turned ON.

OPERATION

This circuit judges the signals of each switch ("ON/OFF", "CANCEL", "COAST/SET" and "ACC/RES") of the cruise control switch. The engine-ECU <M/T> or engine-A/T-ECU <A/T> detects the state of the cruise control switch by sensing the voltages shown below

- When all switches are OFF: 4.7 5.0 volts
- When the "ON/OFF" switch is ON: 0 0.5 volt
- When the "CANCEL" switch is ON: 1.0 1.8 volts
- When the "COAST/SET" switch is ON: 2.3 3.0 volts
- When the "ACC/RES" switch is ON: 3.5 4.2 volts

COMMENTS ON TROUBLE SYMPTOM

The M.U.T.-III can also be used to check if the circuits of each input switches are normal or not by checking the data list.

NOTE: Press the cruise control switches one by one securely. Otherwise, the cruise control system may not be started.

PROBABLE CAUSES

- Malfunction of the cruise control switches.
- Malfunction of the engine-ECU <M/T>.
- Malfunction of the engine-A/T-ECU <A/T>.

DIAGNOSIS PROCEDURE

STEP 1. Check the MPI system diagnosis code. Using M.U.T.-III, perform MPI system diagnosis code (Refer to GROUP 13D – Troubleshooting, Diagnosis Function <6G7> or GROUP 13E – Troubleshooting, Diagnosis Function <6B3>).

Q: Is any diagnosis code set?

YES: Repair the MPI system (Refer to GROUP 13D – Troubleshooting, Check Chart for Diagnosis Code <6G7> or GROUP 13E – Troubleshooting, Check Chart for Diagnosis Code <6B3>).

NO: Go to Step 2.

STEP 2. Check the data list.

Using M.U.T.-III, check the data list (Refer to data list reference table).

- Item 75: "CANCEL" switch
- Item 86: "ON/OFF" switch
- Item 91: "ACC/RES" switch
- Item 92: "COAST/SET" switch

Q: Is the check result normal?

YES: Go to Step 4. NO: Go to Step 3.

STEP 3. Check the cruise control switches.

Q: Is the check result normal?

YES: Go to Step 4.

NO: Replace the cruise control switches.

STEP 4. Check the symptom.

Q: Is the system turned on by operating the cruise control switch?

YES: It can be assumed that this malfunction is intermittent (Refer to GROUP 00 – How to Use Troubleshooting/Inspection Service Points, How to Cope with Intermittent Malfunction).

NO: Replace the engine-ECU <M/T> or engine-A/T-ECU <A/T> (Refer to GROUP 13D – Engine-ECU and Engine-A/T-ECU) <6G7> or replace the engine-ECU (Refer to GROUP 13E – Engine-ECU) <6B3>.

ENGINE AND EMISSION CONTROL CRUISE CONTROL

CHECK CHART FOR TROUBLE SYMPTOMS

M1172002302157

		Inspection procedure No.	Reference page
Communication with M.U.TIII is not possible.	Communication with the engine-ECU only is impossible.	_	GROUP 13E – Troubleshooting, Symptom Procedures, Inspection Procedure 1
When the brake cancelled.	pedal is depressed, cruise control is not	1	
When the select lever is set to "N" position, cruise control is not cancelled .		2	
When the "CANCEL" switch is set to ON, cruise control is not cancelled.		3	
Cruise control cannot be set (No response when the "COAST/SET" switch and the "ACC/RES" switch is pressed).		4	
Hunting (repeated acceleration and deceleration) occurs at the set vehicle speed.		5	
When the "ON/OFF" switch is turned ON, the cruise control indicator lamp does not illuminate. (However, the cruise control system is normal).		6	
When the cruise turned on.	control switch is operated, the system is not	7	

ENGINE AND EMISSION CONTROL CRUISE CONTROL

Inspection Procedure 7: When The Cruise Control Switch is Operated, The System is not Turned ON.

OPERATION

This circuit judges the signals of each switch ("ON/OFF", "CANCEL", "COAST/SET" and "ACC/RES") of the cruise control switch. The engine-ECU detects the state of the cruise control switch by sensing the voltages shown below.

- When all switches are OFF: 4.7 5.0 volts
- When the "ON/OFF" switch is ON: 0 − 0.2 volt
- When the "CANCEL" switch is ON: 0.9 1.4 volts
- When the "COAST/SET" switch is ON: 2.1 2.7 volts
- When the "ACC/RES" switch is ON: 3.3 4.0 volts

COMMENTS ON TROUBLE SYMPTOM

The M.U.T.-III can also be used to check if the circuits of each input switches are normal or not by checking the data list.

NOTE: Press the cruise control switches one by one securely. Otherwise, the cruise control system may not be started.

PROBABLE CAUSES

- Malfunction of the cruise control switches.
- Malfunction of the engine-ECU.

DIAGNOSIS PROCEDURE

STEP 1. Check the diesel fuel system diagnosis code.

Using M.U.T.-III, perform diesel fuel system diagnosis code (Refer to GROUP 13E – Troubleshooting, Diagnosis Function).

Q: Is any diagnosis code set?

YES: Repair the diesel fuel system (Refer to GROUP 13E – Troubleshooting, Inspection Chart for Diagnosis Code).

NO: Go to Step 2.

STEP 2. Check the data list.

Using M.U.T.-III, check the data list (Refer to data list reference table).

- Item 136: "ON/OFF" switch
- Item 137: "CANCEL" switch
- Item 138: "COAST/SET" switch
- Item 139: "ACC/RES" switch

Q: Is the check result normal?

YES: Go to Step 4. NO: Go to Step 3.

STEP 3. Check the cruise control switches.

Q: Is the check result normal?

YES: Go to Step 4.

NO: Replace the cruise control switches.

STEP 4. Check the symptom.

Q: Is the system turned on by operating the cruise control switch?

YES: It can be assumed that this malfunction is intermittent (Refer to GROUP 00 – How to Use Troubleshooting/Inspection Service Points, How to Cope with Intermittent Malfunction).

NO: Replace the engine-ECU (Refer to GROUP 13E – Engine-ECU).