## **DT-3300 Diagnostic Tester**

## **Software for Trucks & Buses**

## 17th Edition OCTOBER 2016



## **Japan Venture Incorporated**

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#### 1. HINO DIAGNOSTIC SOFTWARE (Ver5. 4\*) List of Specific Vehicle System

VEHICLE TYPE         REQUIRED SYSTEM         REQUIRED MODEL YAR         RAUL FAULT FAULT DUTRO         PREZZ STREAM         DATA STREAM         WORK SUPPORT         ACTIVE TEST           DUTRO         A/T         2003~         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •			LISE UI	opectiti		C OYSLOII		
A/T         2003~         Image: Constraint of the second s	VEHICLE TYPE	REQUIRED SYSTEM		FAULT				
DUTRO         ABS         2003~         Image: Control of the second se		ENG	2002~					
BUTRO         SRS         2003~         Image: Constract Constrandow Constract Constrandow Constract Constrandow Con		A/T	2003~					
SRS         2003~         •         ·         ·         ·         ·         ·         ·         ·         ·         ·         ·         ·         ·         ·         ·         ·         ·         ·         ·         ·         ·         ·         ·         ·         ·         ·         ·         ·         ·         ·         ·         ·         ·         ·         ·         ·         ·         ·         ·         ·         ·         ·         ·         ·         ·         ·         ·         ·         ·         ·         ·         ·         ·         ·         ·         ·         ·         ·         ·         ·         ·         ·         ·         ·         ·         ·         ·         ·         ·         ·         ·         ·         ·         ·         ·         ·         ·         ·         ·         ·         ·         ·         ·         ·         ·         ·         ·         ·         ·         ·         ·         ·         ·         ·         ·         ·         ·         ·         ·         ·         ·         ·         ·         ·         · </td <td>DUTRO</td> <td>ABS</td> <td>2003~</td> <td></td> <td></td> <td></td> <td></td> <td></td>	DUTRO	ABS	2003~					
IMMOBILIZER         2014~         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •	DOTINO	SRS	2003~					
ENG         2000~         Image: Constraint of the second s		BODY CONTROL	2014~				•	
AANGER         A/T         2003~         Image: Constraint of the second secon		IMMOBILIZER	2014~					
ARNER         ABS         2000~         Image: Constraint of the second		ENG	2000~			$\bullet$	$\bullet$	
ABS         2000~         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         • </td <td>RANGER</td> <td></td> <td></td> <td></td> <td><math>\bullet</math></td> <td><math>\bullet</math></td> <td></td> <td></td>	RANGER				$\bullet$	$\bullet$		
PROF IA         ENG         2000~         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         <	KANGEN		2000~					
SCR         2010~         Image: Constraint of the second s		SRS	2002~					
ABS         2000~         •         ·         ·         ·         ·         ·         ·         ·         ·         ·         ·         ·         ·         ·         ·         ·         ·         ·         ·         ·         ·         ·         ·         ·         ·         ·         ·         ·         ·         ·         ·         ·         ·         ·         ·         ·         ·         ·         ·         ·         ·         ·         ·         ·         ·         ·         ·         ·         ·         ·         ·         ·         ·         ·         ·         ·         ·         ·         ·         ·         ·         ·         ·         ·         ·         ·         ·         ·         ·         ·         ·         ·         ·         ·         ·         ·         ·         ·         ·         ·         ·         ·         ·         ·         ·         ·         ·         ·         ·         ·         ·         ·         ·         ·         ·         ·         ·         ·         ·         ·         ·         ·         ·         ·         · </td <td></td> <td>ENG</td> <td>2000~</td> <td></td> <td><math>\bullet</math></td> <td><math>\bullet</math></td> <td>•</td> <td><math>\bullet</math></td>		ENG	2000~		$\bullet$	$\bullet$	•	$\bullet$
ABS         2000~         Image: Constraint of the second s	PROFIA	SCR	2010~					
ENG         2000~         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         • </td <td></td> <td>ABS</td> <td>2000~</td> <td></td> <td></td> <td></td> <td></td> <td></td>		ABS	2000~					
A/T         2003~         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         • </td <td></td> <td>SRS</td> <td>2002~</td> <td></td> <td></td> <td></td> <td></td> <td></td>		SRS	2002~					
LTESSE         ABS         2003~         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         • <t< td=""><td></td><td>ENG</td><td>2000~</td><td></td><td></td><td></td><td>•</td><td></td></t<>		ENG	2000~				•	
ABS         2003~         Image: Constraint of the second s	LIESSE	A/T	2003~					
ENG         2000~         Image: Constraint of the second s	LIESSE	ABS	2003~					
PONCHO         A/T         2003~         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         • <t< td=""><td></td><td>SRS</td><td>2002~</td><td></td><td></td><td></td><td></td><td></td></t<>		SRS	2002~					
PONCHO         ABS         2003~         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         • <t< td=""><td></td><td>ENG</td><td>2000~</td><td></td><td><math display="block">\bullet</math></td><td><math display="block">\bullet</math></td><td></td><td></td></t<>		ENG	2000~		$\bullet$	$\bullet$		
ABS         2003~         Image: Constraint of the sector o	DONOLIO	A/T	2003~			$\bullet$		
MELPHA         ENG         1999~         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         • <t< td=""><td>PUNCHU</td><td>ABS</td><td>2003~</td><td></td><td></td><td></td><td></td><td></td></t<>	PUNCHU	ABS	2003~					
MELPHA         ABS         1999~         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         • <t< td=""><td></td><td>SRS</td><td>2002~</td><td>•</td><td></td><td></td><td></td><td></td></t<>		SRS	2002~	•				
ABS         1999~         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         • </td <td></td> <td>ENG</td> <td>1999~</td> <td></td> <td></td> <td></td> <td></td> <td></td>		ENG	1999~					
SRS         1999~         •         ·         ·         ·         ·         ·         ·         ·         ·         ·         ·         ·         ·         ·         ·         ·         ·         ·         ·         ·         ·         ·         ·         ·         ·         ·         ·         ·         ·         ·         ·         ·         ·         ·         ·         ·         ·         ·         ·         ·         ·         ·         ·         ·         ·         ·         ·         ·         ·         ·         ·         ·         ·         ·         ·         ·         ·         ·         ·         ·         ·         ·         ·         ·         ·         ·         ·         ·         ·         ·         ·         ·         ·         ·         ·         ·         ·         ·         ·         ·         ·         ·         ·         ·         ·         ·         ·         ·         ·         ·         ·         ·         ·         ·         ·         ·         ·         ·         ·         ·         ·         ·         ·         ·         · </td <td>MELPHA</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>	MELPHA							
RAINBOW         ENG         2000~         Image: Constraint of the state		ABS	1999~					
RAINBOW         ABS         2000~         •         ·         ·         ·         ·         ·         ·         ·         ·         ·         ·         ·         ·         ·         ·         ·         ·         ·         ·         ·         ·         ·         ·         ·         ·         ·         ·         ·         ·         ·         ·         ·         ·         ·         ·         ·         ·         ·         ·         ·         ·         ·         ·         ·         ·         ·         ·         ·         ·         ·         ·         ·         ·         ·         ·         ·         ·         ·         ·         ·         ·         ·         ·         ·         ·         ·         ·         ·         ·         ·         ·         ·         ·         ·         ·         ·         ·         ·         ·         ·         ·         ·         ·         ·         ·         ·         ·         ·         ·         ·         ·         ·         ·         ·         ·         ·         ·         ·         ·         ·         ·         ·         ·         <		SRS	1999~					
ABS         2000-0         Image: Constraint of the second		ENG	2000~					
ABS         2000-0         Image: Constraint of the second								
ENG         2000~         Image: Constraint of the second s	RAINBOW	ABS	2000~					
BLUE RIBBON         ABS         2000~         Image: Constraint of the second		SRS	2000~					
ABS         2000~         Image: Constraint of the second s		ENG	2000~	•				
ABS         2000~         Image: Constraint of the second s								
ENG         2000~         Image: Constraint of the second s	BLUE RIBBON	ABS	2000~	•				
SELEGA HIGH DECKER ABS 2000~ •		SRS	2000~					
SELEGA     ABS     2000~     Image: Constraint of the second se		ENG	2000~	•	•	•		
HIGH DECKER ABS 2000~	SELEGA				-	-		-
		ABS	2000~	•				
		SRS	2000~	•				

# NOTE: The engine diagnostic function supports common rail, electronic governor and mechanical governors engines.

## 2. HINO DIAGNOSTIC SOFTWARE (Ver5. 4\*) List of Engines

CLASSIFI-	VEHICLE	VEHICLE		REQU MODEL		OSTIC PLER	
CATION	MODEL NAME	MODEL	ENGINE MODEL	Japanese	Western		
				Calendar	Calendar	COM	EXCL
		КК	S05C, S05D	'14.06~	'02.06 <b>~</b>		
		PA, PB	S05D, J05D	'16. 05~	' 04. 05 <b>~</b>		
		PA, PB	N04C	' 17. 04~	' 05. 04 <b>~</b>		
LIGHT-DUTY TRUCK	DUTRO	BKG	NO4C	' 18. 09~	' 06. 09 <b>~</b>		
IRUUR		PDG	NO4C	' 18. 09 <b>~</b>	' 06. 09 <b>~</b>		
		SKG	NO4C	'23. 09~	'11.09~		
		TKG, TQG	NO4C	'25.05~	' 13. 05~	$\bullet$	
		KC, KK	J07C, J08C, J05C	' 09. 10 <b>~</b>	' 97. 10 <b>~</b>		
		PA, PB	J05D, J07E	' 15. 10 <b>~</b>	' 03. 10 <b>~</b>	$\bullet$	
		ADG	J07E, J08E	' 17. 05~	' 05. 05 <b>~</b>		
MEDIUM-DUTY		BDG	J07E, J08E	' 18. 09 <b>~</b>	'06.09 <b>~</b>	$\bullet$	
	RANGER	SKG	J05E, J07E	'23.10~	'11.10~		
TROOK		SDG	J05E	'23. 07~	'11.07~	$\bullet$	
		TKG, LKG, QKG	J07E	'22. 07~	' 10. 07~		
		LDG, TQG	J08E	'23. 07~	'11.07~	$\bullet$	
		KC, KL	K13C, P11C	' 09. 10 <b>~</b>	' 97. 10 <b>~</b>	$\bullet$	
	PROFIA	KS	P11C	' 15. 11~	' 03. 11 <b>~</b>		
		РК	E13C	' 15. 11~	' 03. 11 <b>~</b>		
HEAVY-DUTY		ADG	E13C	' 18. 02~	' 06. 02 <b>~</b>		
TRUCK		BKG	E13C	' 18. 07~	' 06. 07 <b>~</b>		
		BDG, QPG	A09C	' 19. 04 <b>~</b>	' 07. 04 <b>~</b>		
		LKG, QKG	E13C	'22. 07~	'10.07~		
		LDG, QPG, QDG	E13C	'22. 07~	' 10. 07 ~		
	PONCHO	ADG	J05D	' 18. 03~	' 06. 03 <b>~</b>	$\bullet$	
		BDG	J05D	' 19. 07~	' 07. 07 <b>~</b>		
LIGHT-DUTY	LIESSE	PB	J05D	' 04. 08~	' 04. 08 <b>~</b>		
BUS	LIESSE	BDG	J05D	' 19. 06 <b>~</b>	' 07. 06 <b>~</b>		
	LIESSE II	BDG, PDG	N04C	' 19. 07~	' 07. 07 <b>~</b>	$\bullet$	
		KK, PB, BDG	J08C, J08E	' 09. 10 <b>~</b>	' 97. 10 <b>~</b>	$\bullet$	
	MELPHA	PKG, LKG, SDG	J07E	'16.08~	' 04. 08 <b>~</b>		
MEDIUM-DUTY		KK, KL	J08C, P11C	' 9. 10 <b>~</b>	' 97. 10 <b>~</b>	•	
BUS		PB, BDG	J07E, J08E	' 16. 08 <b>~</b>	' 04. 08 <b>~</b>		
	RAINBOW	LKG, SDG	4HK1	'23.11~	' 11. 11 <b>~</b>	$\bullet$	
		KK	J08C	'09.10~	' 97. 10 <b>~</b>		
	BLUE	PJ	6HK1	' 16. 12 <b>~</b>	'04.12~		
	RIBBON	LKG, SDG	6HK1	'22. 08~	'10.08~		
HEAVY-DUTY BUS	R I DDUN	ADG	E13C	' 16. 08~	'04. 08∼	•	
DUS		QRG, QPG	E13C, A09C	' 16. 08~	'04. 08∼		
	SELEGA HD	BDG	J08E	'24. 05~	' 12. 05~		

			OT DIAGNOSTIC FUNCTIONS
SYSTEM	MAIN-FUNCTION	SUB-FUNCTION	CONTENTS
	READ FAULT CODE		Displays and clears the trouble point.
	DATA STREAM		Displays data; records the diagnostic results.
		POWER BALANCE	Stops fuel injection at cylinder $\# 1 \sim /\# 6$ .
		VNT OPENING	Tests increase/decrease of VN turbo opening.
		HIGH-PRESSURE FUEL SYSTEM	Inspects high pressure fuel system.
		EGR OPENING	Test increase/decrease of EGR Valve opening.
		OBJECTIVE ENGINE SPEED	Sets the idling speed.
		INTAKE THROTTLE OPENING	Tests intake throttle valve opening.
		EXHAUST BRK OPERATION	Checks exhaust brake operation.
		ENG RETARDER 2 OPR' N	Checks engine retarder 2 operation.
		ENG RETARDER 1 OPR' N	Checks engine retarder 1 operation.
		PULSE EGR SOL VALVE	Checks pulse EGR SOL valve operation.
		EGR SOLENOID VALVE 3	Checks EGR solenoid valve 3 operation.
		EGR SOLENOID VALVE 2	Checks EGR solenoid valve 2 operation.
		EGR SOLENOID VALVE 1	Checks EGR solenoid valve 1 operation.
		VGT SOLENOID VALVE 3	Checks VGT solenoid valve 3 operation.
		VGT SOLENOID VALVE 2	Checks VGT solenoid valve 2 operation.
		VGT SOLENOID VALVE 1	Checks VGT solenoid valve 1 operation.
		ENGINE STOP	Checks engine stop.
		PCV SOL VALVE 2 Stop	Checks PCV solenoid valve 2 stop.
		PCV SOL VALVE 1 Stop	Checks PCV solenoid valve 1 stop.
		PRE-HEAT RELAY OPR' N	Checks pre-heat relay operation.
		TC TERMINAL ON	Displays the diagnostic batch combination meter
ENGINE	ACTIVE TEST	COMMON RAIL PRESSURE	Sets common rail pressure value.
		VARIABLE TIMING	Sets the injection timing
		ENGINE SPEED	Sets the engine speed.
		PRE-LIFT VARIABLE QTY	Sets the pre-lift variable quantity.
		EXHAUST BRAKE VALVE	Checks exhaust brake solenoid valve operation
		FSV SOLENOID VALVE	Checks intake air control valve operation.
		CBCS1 SOLENOID VALVE	Checks CBCS1 solenoid valve operation.
		CBCS2 SOLENOID VALVE	Checks CBCS2 solenoid valve operation.
		EGR AIR CUT SOLENOID VALVE	Checks EGR air cut solenoid valve operation
		EGR CUT SOLENOID VALVE	Checks EGR cut solenoid valve operation.
		CBCS1 SOLENOID VALVE	Checks CBCS1 solenoid valve operation.
		CBCS2 SOLENOID VALVE	Checks CBCS2 solenoid valve operation.
		EGR AIR CUT SOLENOID VALVE	Checks EGR air cut solenoid valve operation
		EGR CUT SOLENOID VALVE	Checks EGR cut solenoid valve operation.
		NOISE SUPPRESSOR	Checks noise suppressor solenoid valve
		NOISE SUPPRESSOR 2	Checks noise suppressor 2 solenoid valve
		INTAKE SHUTTER	Checks intake shutter solenoid valve operation
		EXHAUST BRAKE LAMP	Checks exhaust brake lamp ON/OFF operation.
		AUX BRAKE RELAY 1	Checks auxiliary brake relay 1 operation.
		AUX BRAKE RELAY 2	Checks auxiliary brake relay 2 operation.
		ACCELERATOR LINK RELAY	Checks accelerator inter-lock relay
			operation.

			LISE OF DIAGNOSLIG FUNCTIONS
SYSTEM	MAIN-FUNCTION	SUB-FUNCTION	CONTENTS
		TURBO WARNING FUNCTION	Checks turbo warning function operation
		MULTIPLE DISPLAY FUNC	Checks multiple function operation.
	ACTIVE TEST	HEATER RELAY	Checks heater relay operation.
		CHECK ENGINE LAMP	Checks engine lamp ON/OFF operation.
		PRE-HEAT LAMP °	Checks pre-heat lamp ON/OFF operation.
		ID CODE CHECK	Checks the Injector ID Code of each Cylinder.
		ID CODE MANU REGISTRATION	Registers ID code during injector replacement.
		READ/STORE ID CODE	Reads & records ID code before ECM replacement.
		ID CODE AUTO REGISTRATION	Writes recorded ID code after ECM replacement.
		PUMP INITIALIZATION	Clears and initializes supply pump learning value.
		DPR FORCED REGENERATION	Removes accumulated PM in DPR thru repeat combustion.
ENGINE		DPR STATUS DISPLAY	Displays the DPR status history/records.
		DPR STATUS RESET	Clears the DPR status history/records.
	WORK SUPPORT	DPR DIFFERENTIAL	Displays the DPR inlet/outlet differential
		PRESSURE CHECK	exhaust pressure.
		PM ACCUMULATED QUANTITY HISTORY INITIALIZATION	Clears the accumulated PM data history.
		ENGINE HISTORY	Clears the engine data history.
		CRUISE SPEED ADJUSTMENT	Performs cruise speed setting.
		SPEED LIMITER CANCELLATION	Performs release of vehicle speed limiter.
		SPEED LIMITER ADJUSTMENT	Performs vehicle speed limiter adjustment.
		SYSTEM OPERATION HISTORY	Clears data system history.
		INITIALIZATION	
	READ FAULT CODE		Displays and clears the trouble point.
AT	DATA STREAM		Displays data; records the diagnostic results.
	ACTIVE TEST	SHIFT POSTION FIXED	Specifies the irregular position
	WORK SUPPORT	AT INITIALIZATION	Initializes during AT body & ECU replacement.
	READ FAULT CODE		Displays and clears the trouble point.
	DATA STREAM		Displays data; records the diagnostic results.
			SFRH Drive
			RR Drive
		ABS SOLENOID	LH Drive
ADC			LR Drive
ABS	ACTIVE TEST		SRRH DRive
		VSC SOLENOID	VSC Solenoid Drive
		SOLENOID RELAY ABS MOTOR RELAY	Checks solenoid relay operations.
			ABS Motor Relay Drive
		ABS LAMP	Checks ABS lamp ON/OFF operation.
		BRAKE WARNING LAMP	Brake Warning Lamp ON/OFF
	WORK SUPPORT	CLEAR BACK-UP MEMORY	Clears the C/U memory.

NOTE: 1. The contents of the display, active test and work support diagnostic functions may

differ depending on the vehicle model and model year.

3. The speed limiter can be set from 35 km/hour up to 120 km/hour, however speed limit can only be up to 80km/hour when running.

Engine work support functions (cruise speed adjustment, speed limiter cancellation, speed limiter adjustment) supports vehicle model KL with model year 2000~2003 only.

SYSTEM	MAIN-FUNCTION	SUB-FUNCTION	CONTENTS	
	READ FAULT CODE		Displays and clears the trouble point.	
	DATA STREAM		Displays data; records the diagnostic results.	
		STOP & START OFF LAMP	Display Lamp ON/OFF	
		STOP & START OPERATING	Display Lamp ON/OFF	
		DIAGNOSTIC LAMP	Display Lamp ON/OFF	
		ESS LAMP	Display Lamp ON/OFF	
		EXHAUST BRAKE LAMP	Display Lamp ON/OFF	
		BRK LOCK VALVE RELAY 1	Brake Lock Valve Relay 1 ON/OFF	
VEHICLE	ACTIVE TEST	BRK LOCK VALVE RELAY 2	Brake Lock Valve Relay 2 ON/OFF	
CONTROL		ACTUATOR RELAY	Actuator Relay ON/OFF	
		STARTER ON RELAY 1	Starter ON Relay 1 ON/OFF	
		STARTER ON RELAY 2	Starter ON Relay 2 ON/OFF	
		BLOWER VENTILATION DELAY RELAY	Blower Fresh Air Delay Relay ON/OFF	
		STARTER OPERATION COUNT CHECK	Displays starter operation count.	
		STARTER OPERATION COUNT	Writes the starter operation count	
	WORK SUPPORT	WRITING	(Starter Replacement).	
SRS	READ FAULT CODE		Displays and clears the trouble point.	
	DATA STREAM		Displays data; records the diagnostic results.	
IMMOBILIZER	READ FAULT CODE		Displays and clears the trouble point.	
	DATA STREAM		Displays data; records the diagnostic results.	

## 4. ISUZU DIAGNOSTIC SOFTWARE (Ver7.5\*) List of Specific Vehicle System

VEHICLE TYPE	REQUIRED SYSTEM	REQUIRED MODEL YEAR	READ FAULT CODE	FREEZE D I SPLAY	DATA Stream	WORK Support	ACT I VE TEST
	ENG	2002~	•		•	•	
	STOP IDLING	2007~				•	-
	CLUTCH-FREE	2002~				•	
	SMOOTHER E	2002~				•	
	SMOOTHER Ex	2007~	•		•	•	
ELF	ABS/ASR	1998~					
	BCM	2006~	•		•	•	•
	IMMOBILIZER	2006~			-		-
	MIMAMORI	2007~	•		•	•	
	SRS	2002~			-		
	ENG	1996~	•		•	•	•
	UREA SCR	2010~				•	
	SMOOTHER FX	2004~	•		•	•	
	STOP IDLING	2007~	•		•	•	
FORWARD	ABS/ASR	2004~	•		•		
	ABS6	2007~	•		•		•
	BCM	2006~	•		•	•	•
	IMMOBILIZER	2006~	•			-	
	SRS	2006~					
	ENG	1996~					
	UREA SCR	2010~				•	•
	SMOOTHER G	2006~			•		•
	AIR SUSPENSION	2006~				•	
	ABS6	2004~					
GIGA	ESC	2004~					
	ABS/ASR CI12	2004~					
	ABS/IESC	2004~					
	SRS	2004~					
	188	2004~				•	
	ENG	2000~					
	AT	2004~					
JOURNEY	ABS	2004~					
	SRS	2004~				•	
	ENG	2004.0				•	
	ISS	2000**					
ERGA MIO	UREA SCR	2010~					
	ABS6	2011~				•	
	SRS	2004~					
	ENG	2004~					
GALA MIO	SRS	2000~ 2004~					-
	ENG	2004.0					
GALA	SRS	2000~					
	ENG	1996~					
							-
ERGA	AT	1998~				•	-
	UREA SCR	2010~					
	ABS6	2011~					
	AIR SUSPENSION	1998~					
FORKLIFT	ENG	2004~					

### 5. ISUZU DIAGNOSTIC SOFTWARE (Ver7.5\*) List of Engines

CLASSIFI-	VEHICLE	VEHICLE	ENGINE	REQUIRED M	IODEL YEAR		IOSTIC PLER
CATION	MODEL NAME	MODEL	MODEL	JAPANESE CALENDAR	WESTERN Calendar	COM	EXCL
		KK	4HF1、4HF1-CNG	'11.01~	' 99. 01 <b>~</b>	•	
		KK	4HG1、4HG1-LPG	'11.04~	' 99. 04 <b>~</b>	•	
		KK	4HJ1	'11.04~	' 99. 04 <b>~</b>	$\bullet$	
		KK	4HK1-T	' 12. 12~	' 00. 12 <b>~</b>		
		KR	4HJ1	' 14. 08~	'02.08∼	•	
		KR	4HL1	' 14. 08~	'02.08∼		
		PB	4HG1 (LPG)	'16.06~	'04.06∼		
LIGHT-DUTY	ELF	PB	4HF1 (CNG)	'16.06~	'04.06∼		
TRUCK		PB	4JG2 (LPG)	'16.06~	'04.06∼	•	
		PB	4HL1-N	'16.06~	'04.06∼	•	
		AFG	4HV1 (CNG)	' 17. 04~	'05.04∼		
		PDG	4HK1-TC	' 18. 12~	' 06. 12 <b>~</b>		
		BKG, BDG	4JJ1-TC	' 18. 12~	' 06. 12 <b>~</b>	•	
		NFG	4HV1 (CNG)	'19. 07~	' 07. 07 <b>~</b>	•	
		SKG, TKG	4JJ1-TCC, TCS, TCH	'23. 05~	'11.05~	•	
		TRG, TPG	4JJ1-TCC, TCS, TCH	'23. 05~	' 11. 05~	•	
		KL	6HH1-(N)(S)	'08.04~	' 96. 04 <b>~</b>		•
	FORWARD	KK, KL	6HL1-(N)(S)	'08.04~	' 96. 04 <b>~</b>		
		KK, KL	6HK1-TC	'08.04~	'96.04∼		•
		PJ	6HK1-TC	'16.04~	'04. 04∼		•
MEDIUM-DUTY		PB	6HL1-TC	'16.04~	'04. 04∼		
		PA	6HK1-TC	' 16. 10 <b>~</b>	'04. 10∼		
TROOK		PKG, PDG	4HK1-TC	'19.05~	' 07. 05 <b>~</b>		
		PDG	4HK1 (CNG)	'19.05~	' 07. 09 <b>~</b>	$\bullet$	
		SKG, TKG	4HK1-TCC, TCS, TCH	'23.05~	'11.05~		
		TKG, LKG	6HK1-TCC, TCS, TCH	'23.05~	'11.05~	•	
		KC	6WA1	' 08. 02 <b>~</b>	' 96. 02 <b>~</b>		
		KC, KL	8PE1-(N)(S)	' 08. 02 <b>~</b>	'96.02 <b>~</b>		$\bullet$
		KCKL	10PE1-(N) (S) (H)	' 08. 02 <b>~</b>	'96.02 <b>∼</b>		$\bullet$
		KL	6WF1-TC	'11.06~	' 99. 06 <b>~</b>		$\bullet$
		KL	6WG1-TC	'10.06~	'98.06 <b>∼</b>		
HEAVY-DUTY		KL	6SD1-TC	' 12. 08~	' 00. 08~		
TRUCK	GIGA	PJ	6WF1-TC	' 17. 06~	' 05. 06 <b>~</b>		$\bullet$
INJOIN		PJ	6WG1-TC	' 17. 07~	' 05. 07 <b>~</b>		
		PJ	6UZ1-TC	' 17. 07 <b>~</b>	' 05. 07 <b>~</b>		•
		PKG, PDG	6WG1-TC	'19.03~	' 07. 03 <b>~</b>	•	
		PKG, PDG	6UZ1-TC	'19.03~	'07.03∼	•	
		LKG, LDG	6UZ1-TC	'22. 05~	'10.05~	$\bullet$	
		QKG	6UZ1-TCS, TCN	'23. 05~	'11.05~	$\bullet$	

## 5. ISUZU DIAGNOSTIC SOFTWARE (Ver7.5\*) List of Engines

CLASSIFI-	VEHICLE	EHICLE VEHICLE MODEL ENGINE MODEL	REQUIRED M	DIAGNOSTIC COUPLER			
CATION	MODEL NAME	VLIIIOLL MODEL	LNGTNL MODEL	JAPANESE	WESTERN	COM	EXCL
				CALENDAR	CALENDAR		LAOL
LIGHT-DUTY	JOURNEY	PB	J05D	'16.08~	'04.08∼		
BUS		BDG	J05D	' 19. 08~	' 07. 08 <b>∼</b>	$\bullet$	
		PA	6HK1-TCN	' 16. 08~	'04.08∼		
	ERGA MIO	PDG	6HK1-TCN	' 19. 08~	'07.08∼		
		PDG	6HF1 (CNG)	' 19. 11~	' 17. 11~		$\bullet$
MEDIUM-DUTY		SDG	4HK1-TCH	' 23. 11~	' 11. 11~		
BUS		SKG	4HK1-TCH	'24.07~	' 12. 07~	$\bullet$	
		PB	J07E	'16.09~	'04.09∼	$\bullet$	
	GALA MIO	ADG	J07E	'19.02~	' 07. 02 <b>~</b>		
	GALA MITO	SKG	4HK1	'23.05~	'11.05~		
		SDG	J07E	'23.07~	'11.07~		
		KC, KL	8PE1-(N) (S)	' 08. 02 <b>~</b>	'96.02 <b>~</b>		
	GALA	KCKL	10PE1-(N)(S)(H)	' 08. 02 <b>~</b>	'96.02 <b>~</b>		
		ADG, BDG, LDG	J08E	' 18. 02~	'06.02 <b>~</b>	•	
		ADG, PKG, LKG	E13C	' 17. 08~	' 05. 08 <b>~</b>		
		QPG, QKG	6HK1-TCS	'22. 08~	'10.08~	•	
		LKG	J08E	'22. 08~	'10.08~		
		QPG	E13C	'24.08~	' 12. 08~		
HEAVY-DUTY		QKG	4HK1-TCS	'24. 05~	'12.05~		
BUS		KC, KL	8PE1-(N) (S)	' 08. 02 <b>~</b>	'96.02 <b>~</b>		
		KC, KL	6HE1-TCN	' 08. 02 <b>~</b>	'96.02 <b>~</b>		
		KL	8PF1 (CNG)	' 14. 01~	' 02. 01 <b>~</b>		
	EDCA	KL	6HA1 (CNG)	' 12. 06~	'00.06∼		
	ERGA	PJ	6HK1-TCC	' 16. 08~	'04. 08∼		
		PKG, PDG	6HK1-TCC	' 19. 08~	'07.08∼		
		LKG, LDG	6HK1-TCC	'21.08~	' 10. 08~	ightarrow	
		QKG, QPG	6HK1-TCC	'21.08~	'10.08~		
		LIGHT-DUTY	4HK1-TC	'16.08~	'04. 08∼		
	FORKLIFT	LIGHT-DUTY	4JJ1-TC	'16.08~	'04. 08∼		
OFF-ROAD	GENERATOR	MEDIUM-DUTY	4HK1-TC	'16.08~	'04.08∼		
		HEAVY-DUTY	6HK1-TC	' 16. 08~	'04.08∼		

6. ISUZU DI	AGNOSTIC SOFTW	ARE (Ver7.5*) List	of Diagnostic Functions
SYSTEM	MAIN-FUNCTION	SUB-FUNCTION	CONTENTS
	READ FAULT CODE		Displays and clears the trouble point.
	DATA STREAM		Displays data; records the diagnostic results.
		FUEL RAIL PRESSURE	Sets common rail pressure value.
		STOP INJECTOR	Stops fuel injection at cylinder $\# 1 \sim /\# 6$ .
		MAIN INJECTION PERIOD	Checks the change in injection timing.
		STOP PRE-INJECTION	Checks the fuel pre-injection volume of
			0mm3/st in the area.
		FORCED INJECTOR	Checks the operating sound of the drive injector.
	ACTIVE TEST	GLOW RELAY COMMAND	Checks the glow relay and light ON display.
		EXHAUST BRAKE	Checks exhaust brake magnetic valve operation.
		RETARDER	Checks retarder magnetic valve operation.
		INTAKE THROTTLE	Checks intake throttle valve operation.
		EXHAUST THROTTLE	Checks exhaust throttle valve operation.
		EGR	Checks EGR valve open/close operation.
		TURBO CHARGER	Checks nozzle control actuator operation.
		CLEAR PUMP DEVICE	Clears device differential learning value
		LEARNING DIFFERENCE	during supply pump replacement.
		INJECTOR ID	Checks ID code of the injector in each
			cylinder.
ENGINE		ID CODE REGISTRATION	Registers ID code during injector replacement.
		ID UPLOAD	Reads & stores ID code from ECM before
			replacement.
		ID DOWNLOAD	Registers stored ID code after ECM replacement.
		DPD REGENERATION DATA RESET	Resets DPD regeneration data before DPD
		NESE I	replacement. Displays differential pressure standard
		DPD DIFFERENTIAL	value of each vehicle; measures differential
	WORK SUPPORT	PRESSURE MEASUREMENT	pressure.
			Removes accumulated PM in DPD thru repeat
		DPD FORCED REGENERATION	combustion.
			Removes accumulated PM in DPD thru repeat
		SLOW DPD REGENERATION	combustion.
		Q ADJUSTMENT REVISION	
		DATA UPLOAD	Reads Q adjustment revised data from ECM.
		Q ADJUSTMENT REVISION	Write O adjustment revised data in ECM
		DATA DOWNLOAD	Write Q adjustment revised data in ECM.
		READ ENGINE START-UP	Reads engine start-up frequency from ECM
		FREQUENCY	
		WRITE STARTER	Sets start-up frequency after replacement of
		START-UP FREQUENCY	the starter.
	READ FAULT CODE		Displays and clears the trouble point.
	DATA STREAM		Displays data; records the diagnostic results.
		ALTITUDE SERVICE	Selects whether it is an altitude service
STOP IDLING		VEHICLE SETTING	vehicle.
	WORK SUPPORT	VEHICLE INFORMATION	Selects the engine transmission.
		UPDATE	
		CLEAR IDLING STOP	Clears idling stop maintenance data.
	_	SYSTEM MAINTENANCE DATA	<b>3</b>

SYSTEM         MAIN-FUNCTION         SUB-FUNCTION         CONTENTS           BRAD FAULT CODE         Displays data: records the diagnostic results.         Displays data: records the diagnostic results.           SMOOTHER         EX         VEHICLE TYPE PROGRAM         Selects whice type - attitude service whicle.           FP         SPEEDOMETER DRIVING GEAR PROGRAM         Sets speedometer driving gear.         THE SIZE PROGRAM           SMOOTHER         FV         Sets Speedometer driving gear.         Sets final gear ratio.           THR. SIZE PROGRAM         Setes time movement load radius.         THE SIZE PROGRAM         Sets final gear ratio.           SMOOTHER         READ FAULT CODE         Displays and clears the trouble point.         Displays and clears the trouble point.           DATA STREAM         VEHICLE TYPE PROGRAM         Setest schicle type - attitude service vehicle.           SMOOTHER         READ FAULT CODE         Displays and clears the trouble point.           DATA STREAM         VEHICLE TYPE PROGRAM         Setest wehicle type - attitude service vehicle.           FV0 REQUIRED ENGINE         Setest speedometer driving gear.         Setest vehicle type - attitude service vehicle.           BATA STREAM         VEHICLE TYPE PROGRAM         Setest records the diagnostic results.           SMOOTHER         READ FAULT CODE         Displays data: records the diagnostic results.<				of Diagnostic Functions
ABS6 ABS6 ABS6 ABS6 ACTIVE TEST ACTIVE TES	SYSTEM	MAIN-FUNCTION	SUB-FUNCTION	CONTENTS
SMOOTHER Ex         VEHICLE TYPE PROGRAM PTO REQUIRED ENGINE SPEED         Selects vehicle type - altitude service vehicle. PTO REQUIRED ENGINE Sets engine speed when using PTO.           SMOOTHER Ex         WORK SUPPORT         VEHICLE TYPE PROGRAM GEAR PROGRAM         Sets speedometer driving gear.           TIRE SIZE PROGRAM TIRE SIZE PROGRAM         Sets tire movement load radius.         Tite REVISION RATE Selects tire revision rate. (selectable at 0.96 only)           OVERWRITE FINAL GEAR RATIO         Selects wisting or non-existing installed ABS.         Selects wisting or non-existing installed ABS.           SMOOTHER E         READ FAULT CODE         Displays and clears the trouble point.           WORK SUPPORT         VEHICLE TYPE PROGRAM PROGRAM         Selects whicle type - altitude service vehicle.           VEHICLE TYPE PROGRAM PROGRAM         Selects whicle type - altitude service vehicle.         Pro recourse vehicle.           DATA STREAM         VEHICLE TYPE PROGRAM Selects vehicle type - altitude service vehicle.         Sets engine speed when using PTO.           SPEEDOMETER DRIVING GEAR PROGRAM         Sets speedometer driving gear.         Sets vehicle type - altitude service vehicle.           ABS6         ACTIVE TEST         EXHAUST BRK CUT RELAY ASR INFORMATION LAMP         Drives share there we cut relay.           ASR INFORMATION LAMP         Information Lamp ON/OFF         ASR NANING LAMP         Drives front-left (FL) control valve.           READ FAULT CODE		READ FAULT CODE		Displays and clears the trouble point.
SMOOTHER Ex         PTO REQUIRED ENGINE SPEED         Sets engine speed when using PTO.           SMOOTHER Ex         WORK SUPPORT         Sets PROGRAM GEAR PROGRAM TIRE REVISION RATE PROGRAM         Sets speedometer driving gear. (selectable at 0.96 only)           OVERWRITE FINAL GEAR RATIO         Sets final gear ratio.         Sets final gear ratio.           ABSIONTHER E         READ FAULT CODE         Displays and clears the trouble point.           DATA STREAM         VEHICLE TYPE PROGRAM Selects existing or non-existing installed ABSI INSTALLATION PROGRAM         Selects existing or non-existing installed ABSI INSTALLATION PROGRAM           SMOOTHER E         READ FAULT CODE         Displays and clears the trouble point.           PTO REQUIRED ENGINE PEED         Sets speedometer driving gear.           GEAR PAQLT CODE         Displays and clears the trouble point.           PTO REQUIRED ENGINE PEED         Sets speedometer driving gear.           GEAR PAQLT CODE         Displays and clears the trouble point.           DATA STREAM         Displays and clears the trouble point.           ABS6         ACTIVE TEST         ASR INFORMATION LARP MAINING LAMP         Drives ASR valve.           ABS7 ASR C112         READ FAULT CODE         Drives Cront-Light (FR) control valve.           READ FAULT CODE         Drives rear-left (FL) control valve.           READ FAULT CODE         Drives rear-left (FL) control		DATA STREAM		Displays data; records the diagnostic results.
SMOOTHER Ex         SPEED         Sets engine speed when using PIO.           SWOOTHER Ex         WORK SUPPORT         SPEEDOMETER DRIVING GEAR PROGRAM         Sets speedometer driving gear.           TIRE SIZE PROGRAM         Sets tire nevement load radius.         TIRE SIZE PROGRAM         Sets tire revision rate. (selectable PROGRAM           TIRE SIZE PROGRAM         Sets final gear ratio.         Selects existing or non-existing installed ABS           SMOOTHER E         READ FAULT CODE         Displays and clears the trouble point.           MORK SUPPORT         VEHICLE TYPE PROGRAM         Sets engine speed when using PTO.           SMOOTHER E         READ FAULT CODE         Displays and clears the trouble point.           MORK SUPPORT         VEHICLE TYPE PROGRAM         Sets engine speed when using PTO.           SPEEDOMETER DRIVING GEAR PROGRAM         Sets speedometer driving gear.           VEH CLE TYPE PROGRAM         Sets speedometer driving gear.           ABS6         ACTIVE TEST         PTO REQUIRED ENGINE SPEEDOMETER DRIVING GEAR PROGRAM           ABS6         READ FAULT CODE DATA STREAM         Displays and clears the trouble point.           ABS6         ACTIVE TEST         READ FAULT CODE ASS WARNING LAMP         Drives start brack out relay.           AST INFORMATION LAMP         Information Lamp ON/OFF         ASS WARNING LAMP         Prives front-left (FL) control valv			VEHICLE TYPE PROGRAM	Selects vehicle type • altitude service vehicle.
SMOOTHER Ex         GEAR PROGRAM         Sets speedometer driving gear.           TIRE SIZE PROGRAM         Sets tire movement load radius.         Tire size PROGRAM           TIRE SIZE PROGRAM         Sets tire movement load radius.         Tire size procession rate. (selectable at 0.96 only)           OVERWITE FINAL GEAR RATIO         Sets final gear ratio.         Sets final gear ratio.           ABS         FAULT CODE         Displays and clears the trouble point.           DATA STREAM         VEHICLE TYPE PROGRAM         Selects existing or non-existing installed ABS.           SMOOTHER E         MORK SUPPORT         VEHICLE TYPE PROGRAM         Selects vehicle type - altitude service vehicle.           VENCK SUPPORT         PTO REGUIRED ENINE PEED         Sets speedometer driving gear.           SMOOTHER E         READ FAULT CODE         Displays and clears the trouble point.           DISPLAY AND SETS PEEDMETER DRIVING GEAR PROGRAM         Sets speedometer driving gear.           ABS6         READ FAULT CODE         Displays and clears the trouble point.           DISPLAY AND SETS PEEDMETER DRIVING GEAR PROGRAM         Sets speedometer driving gear.           ABS6         ACTIVE TEST         EXHAUST BRK CUT RELAY Proves ASR valve.           ABS6         ACTIVE TEST         FR CONTROL VALVE         Drives schaust brake cut relay.           AS8         WARNING LAMP				Sets engine speed when using PTO.
MORK SUPPORI         TIRE REVISION RATE PROGRAM         Selects tire revision rate. (selectable at 0.96 only)           OVERWRITE FINAL GEAR RATIO         Sets final gear ratio.           ABS         INSTALLATION ABS INSTALLATION ABS. INSTALLATION ABS.         Selects existing or non-existing installed ABS.           SMOOTHER E         Displays and clears the trouble point. DATA STREAM         Displays data: records the diagnostic results.           WORK SUPPORT         VEHICLE TYPE PROGRAM PTO REQUIRED ENGINE PEED         Selects vehicle type - altitude service vehicle.           PTO REQUIRED ENGINE E         VEHICLE TYPE PROGRAM PTO REQUIRED ENGINE PEED         Sets engine speed when using PTO.           SPEEDOMETER DRIVING GEAR PROGRAM         Sets speedometer driving gear.         Sets speedometer driving gear.           ABS6         ACTIVE TEST         EXHAUST BRK CUT RELAY ASR INFORMATION LAMP         Displays data: records the diagnostic results.           ABS6         ACTIVE TEST         EXHAUST BRK CUT RELAY ASR VALVE         Drives sAR valve.           ABS7         ACTIVE TEST         READ FAULT CODE FL CONTROL VALVE         Drives rear-left (RL) control valve.           RCONTROL VALVE         Drives rear-left (RC) control valve.         RCONTROL VALVE         Drives rear-left (RC) control valve.           ESC         READ FAULT CODE DATA STREAM         Displays and clears the trouble point.           DATA STREAM         Disp			GEAR PROGRAM	Sets speedometer driving gear.
ABS6         READ FAULT CODE         VEHICLE TYPE PROGRAM         Selects tire revision rate. (selectable at 0.96 only)           SMOOTHER         READ FAULT CODE         Displays and clears the trouble point.         Displays and clears the trouble point.           BAS         DATA STREAM         VEHICLE TYPE PROGRAM         Selects existing or non-existing installed ABS.           BUDOTHER         Displays and clears the trouble point.         Displays and clears the diagnostic results.           WORK SUPPORT         VEHICLE TYPE PROGRAM         Selects vehicle type - altitude service vehicle.           PTO REQUIRED ENGINE         Sets engine speed when using PTO.           SPEEDOWETER DRIVING GEAR PROGRAM         Displays and clears the trouble point.           DATA STREAM         Displays and clears the diagnostic results.           ABS6         ACTIVE TEST         EXHAUST BRK CUT RELAY         Drives exhaust brake cut relay.           ABS VARING LAMP         Warning Lamp ON/OFF         ASR VALVE         Drives ASR valve.           ABS WARNING LAMP         Warning Lamp ON/OFF         R CONTROL VALVE         Drives rear-right (RR) control valve.           ESC         READ FAULT CODE         Displays and clears the trouble point.         DIsplays and clears the trouble point.           DI.ING SPEED CONTROL         ALVE         Drives rear-right (RR) control valve.         R CONTROL VALVE         Dr	Ex		TIRE SIZE PROGRAM	Sets tire movement load radius.
RATIO         Sets Trial gear ratio.           ABS INSTALLATION ABS INSTALLATION ABS INSTALLATION ABS         Selects existing or non-existing installed ABS.           SMOOTHER E         DATA STREAM         Displays and clears the trouble point.           DATA STREAM         Displays and clears the trouble point.           WORK SUPPORT         VEHICLE TYPE PROGRAM PEED         Selects vehicle type - altitude service vehicle. PEED           WORK SUPPORT         VEHICLE TYPE PROGRAM PEED         Sets engine speed when using PTO.           SPEEDOWETER DRIVING GEAR PROGRAM         Sets speedoweter driving gear.           DATA STREAM         Displays and clears the trouble point.           DATA STREAM         Displays data: records the diagnostic results.           ACTIVE TEST         EXHAUST BK CUT RELAY ASR INFORMATION LAMP         Drives ASR valve.           ABS6         ACTIVE TEST         FL CONTROL VALVE FL CONTROL VALVE         Drives front-left (FL) control valve. FR CONTROL VALVE           ASS INFORMATION LAMP         Marning Lamp ON/OFF         FL CONTROL VALVE         Drives rear-left (RL) control valve. RL CONTROL VALVE         Drives rear-left (RL) control valve. RL CONTROL VALVE           ESC         READ FAULT CODE         Displays and clears the trouble point.         Displays and clears the trouble point.           DATA STREAM         Displays and clears the trouble point.         Displays data: records the diagnost				
ABS         ABS           SMOOTHER         DATA STREAM         Displays and clears the trouble point. Displays data: records the diagnostic results.           BATA STREAM         VEHICLE TYPE PROGRAM         Selects vehicle type - altitude service vehicle. PTO REQUIRED ENGINE PEED           BEAD FAULT CODE         VEHICLE TYPE PROGRAM         Setes speedometer driving gear.           BEAD FAULT CODE         Displays and clears the trouble point. DATA STREAM         Displays and clears the trouble point.           DATA STREAM         Displays and clears the diagnostic results.         Displays and clears the diagnostic results.           ABS6         ACTIVE TOP         EXHAUST BRK CUT RELAV         Drives exhaust brake out relay. ASR INFORMATION LAMP           ABS6         ACTIVE TEST         EXHAUST BRK CUT RELAV ASR VALVE         Drives front-left (FL) control valve. FR CONTROL VALVE         Drives front-left (FL) control valve. RR CONTROL VALVE           FL CONTROL VALVE         Drives rear-left (RL) control valve. RR CONTROL VALVE         Drives rear-left (RL) control valve.           ESC         READ FAULT CODE         Displays and clears the trouble point.           DILING SPEED CONTROL         Checks engine speed control operation.           DIN         READ FAULT CODE         Displays and clears the trouble point.           DIN GR SPEED CONTROL         Checks engine speed control operation.           DIA STREAM			RATIO	Sets final gear ratio.
ABS6         Data STREAM         UHICLE TYPE PROGRAM         Displays data: records the diagnostic results.           SMOOTHER E         WORK SUPPORT         VEHICLE TYPE PROGRAM         Selects vehicle type • altitude service vehicle.           PTO REQUIRED ENGINE PEED         Sets engine speed when using PTO.         Sets engine speed when using PTO.           SPEEDOMETER DRIVING GEAR PROGRAM         Sets speedometer driving gear.         Sets speedometer driving gear.           DIsplays data: records the diagnostic results.         Displays data: records the diagnostic results.         Displays data: records the diagnostic results.           ABS6         ACTIVE TEST         EXHAUST BRK CUT RELAY ASR VALVE         Drives ASR valve.           ABS WARNING LAMP         Warning Lamp ON/OFF         FL CONTROL VALVE         Drives rear-light (RR) control valve.           READ FAULT CODE         Drives front-right (RR) control valve.         RR CONTROL VALVE         Drives rear-right (RR) control valve.           READ FAULT CODE         Displays and clears the trouble point.         Displays data: records the diagnostic results.           READ FAULT CODE         Displays data: records the diagnostic results.         READ FAULT CODE         Displays data: records the diagnostic results.           READ FAULT CODE         Displays and clears the trouble point.         Displays data: records the diagnostic results.           READ FAULT CODE         Displays dat				ABS.
SMOOTHER E         VEHICLE TYPE PROGRAM         Selects vehicle type - altitude service vehicle.           PTO REQUIRED ENGINE PEED         Sets engine speed when using PTO.         Sets engine speed when using PTO.           SPEEDOMETER DRIVING GEAR PROGRAM         Sets speedometer driving gear.         Sets speedometer driving gear.           DATA STREAM         Displays and clears the trouble point.         Displays data: records the diagnostic results.           ABS6         ACTIVE TEST         EXHAUST BRK CUT RELAY ASR INFORMATION LAMP         Drives exhaust brake cut relay.           ABS         ACTIVE TEST         FL CONTROL VALVE         Drives front-left (FL) control valve.           RCONTROL VALVE         Drives rear-left (RL) control valve.         RCONTROL VALVE           RCONTROL VALVE         Drives rear-left (RL) control valve.         RCONTROL VALVE           RCONTROL VALVE         Drives rear-left (RL) control valve.         RCONTROL VALVE           RCONTROL VALVE         Drives rear-left (RL) control valve.         RCONTROL VALVE           READ FAULT CODE         Displays and clears the trouble point.         Displays and clears the trouble point.           DATA STREAM         Displays data: records the diagnostic results.         READ FAULT CODE           BAS/ASR         READ FAULT CODE         Displays data: records the diagnostic results.           READ FAULT CODE         Displays				
SMOUTHER         PTO         REQUIRED         PTO         REQUIRED         Sets engine speed when using PTO.           SPEEDOMETER DRIVING GEAR PROGRAM         Sets speedometer driving gear.         Sets speedometer driving gear.           ABS6         READ FAULT CODE         Displays and clears the trouble point.           DATA STREAM         Displays data: records the diagnostic results.           ABS6         ACTIVE TEST         EXHAUST BRK CUT RELAY ASR INFORMATION LAMP         Information Lamp ON/OFF           ASV VALVE         Drives ASR valve.         ASR VALVE         Drives front-left (FL) control valve.           RCONTROL VALVE         Drives front-left (RL) control valve.         RC CONTROL VALVE         Drives rear-left (RL) control valve.           RC ONTROL VALVE         Drives rear-left (RL) control valve.         RC CONTROL VALVE         Drives rear-left (RD) control valve.           ESC         READ FAULT CODE         Displays and clears the trouble point.         Displays data: records the diagnostic results.           BAS/ASR         CI12         READ FAULT CODE         Displays data: records the diagnostic results.           ABS/ASR         READ FAULT CODE         Displays data: records the diagnostic results.           ABS/ASR         READ FAULT CODE         Displays data: records the diagnostic results.           ABS/ASR         READ FAULT CODE         Sets fro		DATA STREAM		
E         WORK SUPPORT         PTO REQUIRED ENGINE PEED         Sets engine speed when using PTO.           ABS6         READ FAULT CODE         Displays and clears the trouble point.           DATA STREAM         Displays data: records the diagnostic results.           ABS6         ACTIVE TEST         EXHAUST BRK CUT RELAY ASR INFORMATION LAMP         Information Lamp ON/OFF           ASS VALVE         Drives exhaust brake cut relay.         ASS valve.           ABS6         ACTIVE TEST         FL CONTROL VALVE         Drives front-left (FL) control valve.           FR CONTROL VALVE         Drives rear-right (RR) control valve.         RE CONTROL VALVE         Drives rear-right (RR) control valve.           ESC         READ FAULT CODE         Displays and clears the trouble point.         Displays and clears the trouble point.           ESC         READ FAULT CODE         Displays and clears the trouble point.         Displays and clears the trouble point.           BAS/ASR         C112         READ FAULT CODE         Displays and clears the trouble point.           ACTIVE TEST         FR HOLD MODE         Sets front-right (FR) modulator to hold mode.           FR EXHAUST MODE         Sets front-right (FR) modulator to exhaust mode.           READ FAULT CODE         Displays and clears the trouble point.           DATA STREAM         Displays data: records the diagnostic results. <td>SMOOTHER</td> <td></td> <td></td> <td>Selects vehicle type • altitude service vehicle.</td>	SMOOTHER			Selects vehicle type • altitude service vehicle.
ABS6         READ FAULT CODE         Displays and clears the trouble point.           AAR         Displays and clears the trouble point.         Displays data: records the diagnostic results.           ABS6         AAR STREAM         Displays data: records the diagnostic results.           ABS6         ACTIVE TEST         EXHAUST BRK CUT RELAY         Drives exhaust brake cut relay.           ASR VALVE         Drives ASR valve.         ASR INFORMATION LAMP         Information Lamp ON/OFF           ACTIVE TEST         FL CONTROL VALVE         Drives front-left (FL) control valve.           FR CONTROL VALVE         Drives rear-right (FR) control valve.           RECOD FAULT CODE         Displays and clears the trouble point.           BS6         READ FAULT CODE         Drives rear-right (RR) control valve.           RE CONTROL VALVE         Drives rear-right (RR) control valve.           RE CONTROL VALVE         Drives rear-right (RR) control valve.           RE CONTROL VALVE         Drives rear-right (RR) control valve.           READ FAULT CODE         Displays and clears the trouble point.           DATA STREAM         Displays data: records the diagnostic results.           DATA STREAM         Displays data: records the diagnostic results.           DATA STREAM         Displays data: records the diagnostic results.           DATA STREAM         Ses		WORK SUPPORT	PEED	Sets engine speed when using PTO.
ABS6         DATA STREAM         Displays data: records the diagnostic results.           ABS6         ACTIVE TEST         EXHAUST BRK CUT RELAY ASR INFORMATION LAMP         Drives exhaust brake cut relay.           ABS WARNING LAMP         Marning Lamp ON/OFF         ASR VALVE         Drives ASR valve.           ABS WARNING LAMP         Warning Lamp ON/OFF         ASR VALVE         Drives front-left (FL) control valve.           FL CONTROL VALVE         Drives front-right (FR) control valve.         RC CONTROL VALVE         Drives rear-left (RL) control valve.           RC CONTROL VALVE         Drives rear-left (RL) control valve.         IDLING SPEED CONTROL         Checks engine speed control operation.           ESC         READ FAULT CODE         Displays and clears the trouble point.         Displays data: records the diagnostic results.           ABS/ASR         READ FAULT CODE         Displays data: records the diagnostic results.           READ FAULT CODE         Displays data: records the diagnostic results.           READ FAULT CODE         Displays data: records the diagnostic results.           READ FAULT CODE         Displays data: records the diagnostic results.           READ FAULT CODE         Displays data: records the diagnostic results.           READ FAULT CODE         Displays data: records the diagnostic results.           READ FAULT CODE         Displays data: records the diagnostic res				Sets speedometer driving gear.
ABS6EXHAUST BRK CUT RELAY ASR INFORMATION LAMPDrives exhaust brake cut relay. ASR INFORMATION LAMPABS6ACTIVE TESTEXHAUST BRK CUT RELAY ASR INFORMATION LAMPInformation Lamp ON/OFF ASR valve. ASR valve. ASR valve. ASS WARNING LAMP BERNON VALVEDrives ASR valve. Drives front-left (FL) control valve. FL CONTROL VALVE Drives front-left (FL) control valve. RC CONTROL VALVE Drives rear-right (FR) control valve. RC CONTROL VALVE RR CONTROL VALVE Drives rear-right (RR) control valve. RC CONTROL VALVE Drives rear-right (RR) control valve.ESCREAD FAULT CODE DATA STREAMDisplays and clears the trouble point. Displays data: records the diagnostic results.READ FAULT CODE DATA STREAMDisplays and clears the trouble point. Displays data: records the diagnostic results.READ FAULT CODE DATA STREAMDisplays data: records the diagnostic results.READ FAULT CODE DATA STREAMDisplays data: records the diagnostic results.READ FAULT CODE DATA STREAMFR HOLD MODEREAD FAULT CODE DATA STREAMDisplays data: records the diagnostic results.FR HOLD MODE RE XHAUST MODESets front-right (FR) modulator to exhaust mode.ABS/ASR C112ACTIVE TESTFR HOLD MODE FL EXHAUST MODEACTIVE TESTFR HOLD MODE RE XHAUST MODEREAD FAULT CODE DATA STREAMSets front-left (FL) modulator to exhaust mode.ABS/ASR C112RCTIVE TESTREAD FAULT CODE RE HOLD MODESets front-left (RR) modulator to exhaust mode.READ FAULT CODE RE HOLD MODESets rear-right (RR) modulator to exhaust mode. <td></td> <td>READ FAULT CODE</td> <td></td> <td>Displays and clears the trouble point.</td>		READ FAULT CODE		Displays and clears the trouble point.
ABS6       ACTIVE TEST       ASR INFORMATION LAMP       Information Lamp ON/OFF         ABS6       ACTIVE TEST       ASR VALVE       Drives ASR valve.         ABS WARNING LAMP       Warning Lamp ON/OFF         FL CONTROL VALVE       Drives front-left (FL) control valve.         FR CONTROL VALVE       Drives front-right (FR) control valve.         READ FAULT CODE       READ FAULT CODE         DATA STREAM       Displays and clears the trouble point.         DATA STREAM       Displays data: records the diagnostic results.         READ FAULT CODE       Displays data: records the diagnostic results.         DATA STREAM       Displays data: records the diagnostic results.         PATA STREAM       Displays data: records the diagnostic results.         FR HOLD MODE       Sets front-right (FR) modulator to hold mode.         FR EXHAUST MODE       Sets front-left (FL) modulator to exhaust mode.         RT HOLD MODE       Sets rear-right (RR) modulator to exhaust mode.         RR HOLD MODE       Sets rear-right (RR) modulator to exhaust mode.         RR HOLD MODE       Sets rear-right (RR) modulator to exhaust mode.         RR HOLD MODE       Sets rear-right (RR) modulator to exhaust mode.         RR HOLD MODE       Sets rear-left (RL) modulator to hold mode.         RR EXHAUST MODE       Sets rear-left (RL) modulator to exhaust		DATA STREAM		Displays data; records the diagnostic results.
ABS6       ACTIVE TEST       ASR VALVE       Drives ASR valve.         ABS       WARNING LAMP       Warning Lamp ON/OFF         FL CONTROL VALVE       Drives front-left (FL) control valve.         FR CONTROL VALVE       Drives front-right (FR) control valve.         RL CONTROL VALVE       Drives rear-left (RL) control valve.         READ FAULT CODE       Drives rear-right (RR) control operation.         DATA STREAM       Displays and clears the trouble point.         DATA STREAM       Displays data: records the diagnostic results.         READ FAULT CODE       Displays and clears the trouble point.         DATA STREAM       Displays data: records the diagnostic results.         READ FAULT CODE       Displays data: records the diagnostic results.         DATA STREAM       Displays data: records the diagnostic results.         FR HOLD MODE       Sets front-right (FR) modulator to hold mode.         FR EXHAUST MODE       Sets front-left (FL) modulator to exhaust mode.         RR HOLD MODE       Sets rear-right (RR) modulator to exhaust mode.         RR EXHAUST MODE       Sets rear-right (RR) modulator to exhaust mode.         RR HOLD MODE       Sets rear-right (RR) modulator to exhaust mode.         RR HOLD MODE       Sets rear-right (RR) modulator to exhaust mode.         RR HOLD MODE       Sets rear-left (RL) modulator to exhaus		ACTIVE TEST	EXHAUST BRK CUT RELAY	Drives exhaust brake cut relay.
ABS6       ACTIVE TEST       ABS WARNING LAMP       Warning Lamp ON/OFF         FL CONTROL VALVE       Drives front-left (FL) control valve.         FR CONTROL VALVE       Drives front-right (FR) control valve.         RL CONTROL VALVE       Drives rear-left (RL) control valve.         RC CONTROL VALVE       Drives rear-right (RR) control valve.         READ FAULT CODE       Displays and clears the trouble point.         DATA STREAM       Displays data: records the diagnostic results.         FR HOLD MODE       Sets front-right (FR) modulator to hold mode.         FR EXHAUST MODE       FR EXHAUST MODE         FL EXHAUST MODE       Sets rear-right (RR) modulator to exhaust mode.         RR EXHAUST MODE       Re EXHAUST MODE         RE AD HOLD MODE       Sets rear-right (RR) modulator to exhaust mode.         RR EXHAUST MODE       Re EXHAUST MODE         RE EXHAUST MODE       Sets rear-right (RR) modulator to exhaust mode.         RR HOLD MODE       Sets rear-right (RR) modulator to exhaust mode.         RR HOLD MODE       Sets rear-left (RL) modula			ASR INFORMATION LAMP	Information Lamp ON/OFF
ACTIVE TEST       FL CONTROL VALVE       Drives front-left (FL) control valve.         FR CONTROL VALVE       Drives front-right (FR) control valve.         RL CONTROL VALVE       Drives rear-left (RL) control valve.         RR CONTROL VALVE       Drives rear-right (RR) control valve.         READ FAULT CODE       Displays and clears the trouble point.         DATA STREAM       Displays and clears the trouble point.         DATA STREAM       Displays and clears the trouble point.         DATA STREAM       Displays data: records the diagnostic results.         DATA STREAM       Displays data: records the diagnostic results.         BAS/ASR       FR HOLD MODE       Sets front-right (FR) modulator to hold mode.         FR EXHAUST MODE       FL EXHAUST MODE       Sets front-left (FL) modulator to exhaust mode.         RE HOLD MODE       Sets rear-right (RR) modulator to hold mode.       RR EXHAUST MODE         RE HOLD MODE       Sets rear-right (RR) modulator to hold mode.       RR EXHAUST MODE         RE EXHAUST MODE       Sets rear-right (RR) modulator to exhaust mode.       RR EXHAUST MODE         RE EXHAUST MODE       Sets rear-left (RL) modulator to hold mode.       RL EXHAUST MODE         RE EXHAUST MODE       Sets rear-left (RL) modulator to exhaust mode.       RL EXHAUST MODE			ASR VALVE	Drives ASR valve.
ABS/ASR C112ACTIVE TESTFR HOLD MODESets front-right (RR) modulator to hold mode. REXHAUST MODEFR HOLD MODESets rear-right (RR) modulator to hold mode. REXHAUST MODEREAD FAULT CESTREAD FAULT CODEDisplays and clears the trouble point. Displays and clears the trouble point.BS/ASR C112READ FAULT ESTFR HOLD MODESets front-right (FR) modulator to hold mode. REXHAUST MODEREAD FAULT COSEREAD FAULT CODESets front-right (FR) modulator to hold mode. READ FAULT CODEREAD FAULT CODEREAD FAULT CODEDisplays data: records the diagnostic results. Displays data: records the diagnostic results.READ FAULT CODEREAD FAULT CODEDisplays data: records the diagnostic results.READ FAULT CODEDisplays data: records the diagnostic results.READ FAULT CODEFR HOLD MODESets front-right (FR) modulator to hold mode.READ FAULT CODEFR HOLD MODESets front-right (FR) modulator to exhaust mode.READ FAULT CODEFR EXHAUST MODESets front-left (FL) modulator to hold mode.READ FAULT CODEREAD FAULT CODESets rear-right (RR) modulator to hold mode.READ FAULT CODEREAD FAULT CODESets rear-right (RR) modulator to exhaust mode.READ FAULT CODEREAD FAULT CODESets rear-right (RR) modulator to exhaust mode.READ FAULT CODESets rear-left (RL) modulator to exhaust mode.Sets rear-left (RL) modulator to exhaust mode.	ABS6			
RL CONTROL VALVEDrives rear-left (RL) control valve.RR CONTROL VALVEDrives rear-right (RR) control valve.IDLING SPEED CONTROLDrives rear-right (RR) control valve.IDLING SPEED CONTROLChecks engine speed control operation.ESCREAD FAULT CODEDisplays and clears the trouble point.DATA STREAMDisplays data: records the diagnostic results.READ FAULT CODEDisplays and clears the trouble point.DATA STREAMDisplays data: records the diagnostic results.READ FAULT CODEDisplays data: records the diagnostic results.DATA STREAMDisplays data: records the diagnostic results.FR HOLD MODESets front-right (FR) modulator to hold mode.FR EXHAUST MODEFR EXHAUST MODEFL HOLD MODESets front-left (FL) modulator to hold mode.FL EXHAUST MODESets front-left (FL) modulator to exhaust mode.RR EXHAUST MODESets rear-right (RR) modulator to hold mode.RR EXHAUST MODESets rear-right (RR) modulator to exhaust mode.RL HOLD MODESets rear-left (RL) modulator to hold mode.RL HOLD MODESets rear-left (RL) modulator to exhaust mode.RL HOLD MODESets rear-left (RL) modulator to hold mode.RL EXHAUST MODESets rear-left (RL) modulator to exhaust mode.				
RR CONTROL VALVEDrives rear-right (RR) control valve.IDLING SPEED CONTROLChecks engine speed control operation.ESCREAD FAULT CODEDisplays and clears the trouble point.DATA STREAMDisplays data: records the diagnostic results.READ FAULT CODEDisplays and clears the trouble point.DATA STREAMDisplays data: records the diagnostic results.DATA STREAMDisplays data: records the diagnostic results.ABS/ASRFR HOLD MODESets front-right (FR) modulator to hold mode.FR EXHAUST MODEFR EXHAUST MODESets front-left (FL) modulator to exhaust mode.FL HOLD MODESets rear-right (RR) modulator to hold mode.RR HOLD MODESets rear-right (RR) modulator to exhaust mode.RR HOLD MODESets rear-right (RR) modulator to exhaust mode.RR HOLD MODESets rear-right (RR) modulator to exhaust mode.RR EXHAUST MODESets rear-right (RR) modulator to exhaust mode.RL HOLD MODESets rear-right (RL) modulator to exhaust mode.RL HOLD MODESets rear-right (RL) modulator to exhaust mode.RL EXHAUST MODESets rear-right (RL) modulator to exhaust mode.RL EXHAUST MODESets rear-left (RL) modulator to exhaust mode.RL EXHAUST MODESets rear-left (RL) modulator to exhaust mode.				
IDLING SPEED CONTROL       Checks engine speed control operation.         ESC       READ FAULT CODE       Displays and clears the trouble point.         DATA STREAM       Displays data: records the diagnostic results.         READ FAULT CODE       Displays and clears the trouble point.         DATA STREAM       Displays and clears the trouble point.         DATA STREAM       Displays data: records the diagnostic results.         DATA STREAM       Displays data: records the diagnostic results.         PATA STREAM       FR HOLD MODE         Sets front-right (FR) modulator to hold mode.         FR EXHAUST MODE       Sets front-right (FR) modulator to exhaust mode.         FL EXHAUST MODE       Sets front-left (FL) modulator to hold mode.         RR HOLD MODE       Sets rear-right (RR) modulator to hold mode.         RR EXHAUST MODE       Sets rear-right (RR) modulator to exhaust mode.         RR EXHAUST MODE       Sets rear-right (RR) modulator to exhaust mode.         RL HOLD MODE       Sets rear-right (RR) modulator to hold mode.         RL HOLD MODE       Sets rear-right (RL) modulator to hold mode.         RL EXHAUST MODE       Sets rear-left (RL) modulator to exhaust mode.				
ESC       READ FAULT CODE       Displays and clears the trouble point.         DATA STREAM       Displays data; records the diagnostic results.         READ FAULT CODE       Displays and clears the trouble point.         DATA STREAM       Displays and clears the trouble point.         DATA STREAM       Displays and clears the trouble point.         DATA STREAM       Displays and clears the diagnostic results.         DATA STREAM       Displays data; records the diagnostic results.         BS/ASR       FR HOLD MODE       Sets front-right (FR) modulator to hold mode.         FR EXHAUST MODE       FR EXHAUST MODE       Sets front-right (FR) modulator to exhaust mode.         FL HOLD MODE       Sets front-left (FL) modulator to hold mode.       FL EXHAUST MODE         RR HOLD MODE       Sets rear-right (RR) modulator to hold mode.       RR EXHAUST MODE         RR EXHAUST MODE       Rests rear-right (RR) modulator to hold mode.       RR EXHAUST MODE         RR EXHAUST MODE       Sets rear-right (RR) modulator to exhaust mode.       RR EXHAUST MODE         RL HOLD MODE       Sets rear-left (RL) modulator to hold mode.       RL EXHAUST MODE				-
ESC       DATA STREAM       Displays data; records the diagnostic results.         READ FAULT CODE       Displays and clears the trouble point.         DATA STREAM       Displays data; records the diagnostic results.         DATA STREAM       Displays data; records the diagnostic results.         DATA STREAM       Displays data; records the diagnostic results.         ABS/ASR       FR HOLD MODE       Sets front-right (FR) modulator to hold mode.         FR EXHAUST MODE       FL HOLD MODE       Sets front-left (FL) modulator to exhaust mode.         FL HOLD MODE       Sets front-left (FL) modulator to exhaust mode.         RR HOLD MODE       Sets rear-right (RR) modulator to hold mode.         RR EXHAUST MODE       Rests rear-right (RR) modulator to exhaust mode.         RR EXHAUST MODE       Sets rear-right (RR) modulator to exhaust mode.         RL HOLD MODE       Sets rear-left (RL) modulator to hold mode.         RL EXHAUST MODE       Sets rear-left (RL) modulator to exhaust mode.			IDLING SPEED CONTROL	
ABS/ASR       ACTIVE TEST       FR HOLD MODE       Sets front-right (FR) modulator to hold mode.         FL EXHAUST MODE       FL EXHAUST MODE       Sets front-left (FL) modulator to hold mode.         RR HOLD MODE       Sets front-left (FL) modulator to hold mode.         RR HOLD MODE       Sets front-left (FL) modulator to hold mode.         RE XHAUST MODE       FL EXHAUST MODE         RR HOLD MODE       Sets front-left (FL) modulator to exhaust mode.         RR HOLD MODE       Sets rear-right (RR) modulator to exhaust mode.         RR EXHAUST MODE       Ret XHAUST MODE         RR EXHAUST MODE       Sets rear-right (RR) modulator to exhaust mode.         RR EXHAUST MODE       Sets rear-right (RR) modulator to exhaust mode.         RR EXHAUST MODE       Sets rear-right (RR) modulator to exhaust mode.         RL HOLD MODE       Sets rear-left (RL) modulator to hold mode.         RL EXHAUST MODE       Sets rear-left (RL) modulator to exhaust mode.	ESC			
ABS/ASR Cl12       Data Stream       Displays data; records the diagnostic results.         ABS/ASR Cl12       FR HOLD MODE       Sets front-right (FR) modulator to hold mode.         ACTIVE TEST       FR EXHAUST MODE       Sets front-right (FR) modulator to hold mode.         RR HOLD MODE       Sets front-left (FL) modulator to hold mode.         RR HOLD MODE       Sets front-left (FL) modulator to exhaust mode.         RR HOLD MODE       Sets rear-right (RR) modulator to exhaust mode.         RR EXHAUST MODE       Sets rear-right (RR) modulator to hold mode.         RR EXHAUST MODE       Sets rear-right (RR) modulator to exhaust mode.         RL HOLD MODE       Sets rear-right (RR) modulator to exhaust mode.         RL HOLD MODE       Sets rear-left (RL) modulator to hold mode.         RL EXHAUST MODE       Sets rear-left (RL) modulator to exhaust mode.				
ABS/ASR Cl12       FR HOLD MODE       Sets front-right (FR) modulator to hold mode.         ABS/ASR Cl12       FR EXHAUST MODE       Sets front-right (FR) modulator to exhaust mode.         FL HOLD MODE       Sets front-left (FL) modulator to hold mode.         FL HOLD MODE       Sets front-left (FL) modulator to exhaust mode.         FL EXHAUST MODE       Sets front-left (FL) modulator to exhaust mode.         RR HOLD MODE       Sets rear-right (RR) modulator to hold mode.         RR EXHAUST MODE       Sets rear-right (RR) modulator to exhaust mode.         RR EXHAUST MODE       Sets rear-right (RR) modulator to exhaust mode.         RL HOLD MODE       Sets rear-left (RL) modulator to hold mode.         RL HOLD MODE       Sets rear-left (RL) modulator to hold mode.         RL EXHAUST MODE       Sets rear-left (RL) modulator to exhaust mode.				
ABS/ASR       FR EXHAUST MODE       Sets front-right (FR) modulator to exhaust mode.         FL HOLD MODE       Sets front-left (FL) modulator to hold mode.         FL EXHAUST MODE       FL EXHAUST MODE         FL EXHAUST MODE       Sets front-left (FL) modulator to exhaust mode.         RR HOLD MODE       Sets rear-right (RR) modulator to hold mode.         RR EXHAUST MODE       Sets rear-right (RR) modulator to hold mode.         RR EXHAUST MODE       Sets rear-right (RR) modulator to exhaust mode.         RL HOLD MODE       Sets rear-left (RL) modulator to hold mode.         RL HOLD MODE       Sets rear-left (RL) modulator to hold mode.         RL EXHAUST MODE       Sets rear-left (RL) modulator to exhaust mode.		DATA STREAM		
ABS/ASR CI12       ACTIVE TEST       FR EXHAUST MODE       mode.         FL HOLD MODE       Sets front-left (FL) modulator to hold mode.         FL EXHAUST MODE       Sets front-left (FL) modulator to exhaust mode.         RR HOLD MODE       Sets rear-right (RR) modulator to hold mode.         RR EXHAUST MODE       Sets rear-right (RR) modulator to exhaust mode.         RL HOLD MODE       Sets rear-right (RR) modulator to exhaust mode.         RL HOLD MODE       Sets rear-left (RL) modulator to hold mode.         RL EXHAUST MODE       Sets rear-left (RL) modulator to hold mode.         RL EXHAUST MODE       Sets rear-left (RL) modulator to exhaust mode.			FR HOLD MODE	
ABS/ASR       CI12       ACTIVE TEST       FL EXHAUST MODE       Sets front-left (FL) modulator to exhaust mode.         RR HOLD MODE       Sets rear-right (RR) modulator to hold mode.       RR EXHAUST MODE       Sets rear-right (RR) modulator to exhaust mode.         RL HOLD MODE       RL HOLD MODE       Sets rear-right (RR) modulator to exhaust mode.         RL HOLD MODE       Sets rear-left (RL) modulator to hold mode.         RL EXHAUST MODE       Sets rear-left (RL) modulator to hold mode.         RL EXHAUST MODE       Sets rear-left (RL) modulator to exhaust mode.				mode.
CI12       ACTIVE TEST       FL EXHAUST MODE       Sets front-left (FL) modulator to exhaust mode.         RR HOLD MODE       Sets rear-right (RR) modulator to hold mode.         RR EXHAUST MODE       Sets rear-right (RR) modulator to exhaust mode.         RL HOLD MODE       Sets rear-right (RR) modulator to exhaust mode.         RL HOLD MODE       Sets rear-left (RL) modulator to hold mode.         RL EXHAUST MODE       Sets rear-left (RL) modulator to hold mode.         RL EXHAUST MODE       Sets rear-left (RL) modulator to hold mode.	ABS/ASR		FL HOLD MODE	
RR EXHAUST MODE       Sets rear-right (RR) modulator to exhaust mode.         RL HOLD MODE       Sets rear-left (RL) modulator to hold mode.         RL EXHAUST MODE       Sets rear-left (RL) modulator to exhaust mode.		ACTIVE TEST		mode.
RR EXHAUST MODE     mode.       RL HOLD MODE     Sets rear-left (RL) modulator to hold mode.       RL EXHAUST MODE     Sets rear-left (RL) modulator to exhaust mode.			RR HOLD MODE	Sets rear-right (RR) modulator to hold mode.
RL EXHAUST MODE         Sets rear-left (RL) modulator to exhaust mode.				mode.
				Sets rear-left (RL) modulator to hold mode.
			RL EXHAUST MODE	

<u>6. ISUZU DI</u>		ARE (Ver7.5*) List	of Diagnostic Functions
SYSTEM	MAIN-FUNCTION	SUB-FUNCTION	CONTENTS
		ASR VALVE	Drives ASR valve.
ABS/ASR		EXHAUST BRK CUT RELAY	Drives exhaust brake cut relay.
CI12	ACTIVE TEST	ENGINE CONTROL TEST	Checks engine speed control operation.
0112		WARNING LAMP	Warning Lamp ON/OFF
		INFORMATION LAMP TEST	Information Lamp ON/OFF
ABS/IESC	READ FAULT CODE		Displays and clears the trouble point.
	DATA STREAM		Displays data; records the diagnostic results.
	READ FAULT CODE		Displays and clears the trouble point.
	DATA STREAM		Displays data; records the diagnostic results.
		BUZZER SIGNAL	Conducts ON/OFF operation check.
		MAIN POWER SUPPLY RELAY	Conducts ON/OFF operation check.
		SOLENOID POWER SUPPLY RELAY	Conducts ON/OFF operation check.
		PTO RELAY	Conducts ON/OFF operation check.
		TRAILER RELAY	Conducts ON/OFF operation check.
		SPLITTER M/V_G (High)	Conducts ON/OFF operation check.
		SPLITTER M/V_G (Low)	Conducts ON/OFF operation check.
	ACTIVE TEST	RANGE M/V_J (High)	Conducts ON/OFF operation check.
SMOOTHER	ACTIVE TEST	RANGE M/V_J (Low)	Conducts ON/OFF operation check.
G		HSA M/V	Conducts ON/OFF operation check.
		CLUTCH AIR ON/OFF M/V1	Conducts ON/OFF operation check.
		CLUTCH AIR ON/OFF M/V2	Conducts ON/OFF operation check.
		CLUTCH M/V For EMERGENCY	Conducts ON/OFF operation check.
		CSB ( Counter Shaft Brake) M/V	Conducts ON/OFF operation check.
		GSU M/V POWER SUPPLY	Conducts ON/OFF operation check.
		EXHAUST BRAKE CUT	Conducts ON/OFF operation check.
		CLEAR CLUTCH LEARNING VALUE	Clears clutch plate connection position learning value.
	WORK SUPPORT	CLEAR GEAR POSITION	Clears initial stroke learning value of the
		LEARNING VALUE	gear-in actual driving force.
	READ FAULT CODE		Displays and clears the trouble point.
	DATA STREAM		Displays data; records the diagnostic results.
		FORCED AIR SUPPLY (Rr-Fr Right-Shaft)	Conducts ON/OFF operation check.
		FORCED EXHAUST AIR (Rr-Fr Right-Shaft)	Conducts ON/OFF operation check.
AIR		FORCED AIR SUPPLY (Rr-Fr Left-Shaft)	Conducts ON/OFF operation check.
SUSPENSION	ACTIVE TEST	FORCED EXHAUST AIR (Rr-Fr Left-Shaft)	Conducts ON/OFF operation check.
		FORCED AIR SUPPLY (Rr-Rr Right-Shaft)	Conducts ON/OFF operation check.
		FORCED EXHAUST AIR (Rr-Rr Right-Shaft)	Conducts ON/OFF operation check.
		FORCED AIR SUPPLY (Rr-Rr Left-Shaft)	Conducts ON/OFF operation check.

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SYSTEM	MAIN-FUNCTION	SUB-FUNCTION	CONTENTS
		FORCED EXHAUST AIR (Rr-Rr Left-Shaft)	Conducts ON/OFF operation check.
AIR	ACTIVE TEST	KICK DRIVE LAMP	Conducts ON/OFF operation check.
SUSPENSION	AUTIVE TEST	HEIGHT LAMP	Conducts ON/OFF operation check.
SUSPENSION		BUZZER	Conducts ON/OFF operation check.
		BUZZER (External)	Conducts ON/OFF operation check.
	WORK SUPPORT	CLEAR LOADING HISTORY	Conduct clearing of loading history.
	READ FAULT CODE		Displays and clears the trouble point.
	DATA STREAM		Displays data; records the diagnostic results.
		ENGINE MODEL UPDATE	Changes engine model.
		TRANSMISSION MODEL UPDATE	Changes transmission model.
SMOOTHER Fx	WORK SUPPORT	PTO REQUIRED ENGINE SPEED	Sets engine speed when using PTO.
		OVERWRITE FINAL GEAR RATIO	Changes final gear ratio.
		PTO SETTING WRITING	Select altitude service vehicle, garbage vehicle, or others.
		WARNING OPTION WRITING	Sets warning options YES or NO.
	READ FAULT CODE		Displays and clears the trouble point.
	DATA STREAM		Displays data; records the diagnostic results.
		ANSWER-BACK TEST	$[END] \Rightarrow [OFF] \Rightarrow [ON] \Rightarrow Auto-[OFF]$ after 10 seconds
		BLOWER RELAY TEST	$[END] \Rightarrow [OFF] \Rightarrow [ON] \Rightarrow Auto-[OFF]$ after 10 seconds
		COMPRESSOR RELAY TEST	$[END] \Rightarrow [OFF] \Rightarrow [ON] \Rightarrow Auto-[OFF]$ after 10 seconds
	ACTIVE TEST	DOOR LOCK TEST	$[END] \Rightarrow [OFF] \Rightarrow [ON] \Rightarrow Auto-[OFF]$ after 10 seconds
		DOOR UNLOCK TEST	$[END] \Rightarrow [OFF] \Rightarrow [ON] \Rightarrow Auto-[OFF]$ after 10 seconds
		ROOM LIGHT TEST	$[END] \Rightarrow [OFF] \Rightarrow [ON] \Rightarrow Auto-[OFF]$ after 10 seconds
BODY		WIPER TEST	$[END] \Rightarrow [OFF] \Rightarrow [ON] \Rightarrow Auto-[OFF]$ after 10 seconds
CONTROL		CLEAR KEYLESS ENTRY REGISTRATION	Clears the remote key registration.
MODULL		ENGINE OIL LIFE SPAN WARNING MILEAGE	Changes engine oil life span warning mileage.
	WORK SUPPORT	TRANSMISSION OIL LIFE SPAN WARNING MILEAGE	Changes transmission life span warning mileage.
		STARTER LIFE SPAN ESTIMATED START-UP FREQ	Changes starter life span estimated start-up frequency.
		CLEAR HOUR-METER	Clears hour-meter information.
		CLEAR FUEL DATA DISPLAY	Clears fuel data display.

6. ISUZU DI	AGNOSTIC SOFTW	ARE (Ver7.5*) List	of Diagnostic Functions		
SYSTEM	MAIN-FUNCTION	SUB-FUNCTION	CONTENTS		
		CLEAR ENGINE OIL LIFE SPAN WARNING MILEAGE	Clears engine oil life span warning mileage.		
BODY CONTROL	WORK SUPPORT	CLEAR TRANSMISSION OIL LIFE SPAN WARNING MILEAGE	Clears transmission life span warning mileage.		
MODULE	WORK SUFFORT	ENGINE OIL WARNING THRESHOLD	Changes engine oil threshold warning (km unit).		
		TRANSMISSION OIL WARNING THRESHOLD	Changes transmission oil threshold warning (km unit).		
		BCM DATA UPLOAD/DOWNLOAD	Uploads or downloads BCM data.		
	READ FAULT CODE		Displays and clears the trouble point.		
IMMOBILIZER	DATA STREAM		Displays data; records the diagnostic results.		
	WORK SUPPORT	READ ECU IDENTIFICATION	Displays ECU identification information.		
	READ FAULT CODE		Displays and clears the trouble point.		
	DATA STREAM		Displays data; records the diagnostic results.		
		VEHICLE TYPE INFO	Selects transmission type, with or without ABS.		
		ENGINE MODEL UPDATE	Changes engine model.		
		TRANSMISSION MODEL UPDATE	Changes transmission model.		
		FINAL GEAR RATIO UPDATE	Changes final gear ratio.		
		VALID TIRE RADIUS UPDATE	Changes valid tire radius (select tire size).		
		AD INPUT UPDATE	ON=1, OFF=0		
		ECM TROUBLE DATA	Displays engine run time, DTC code and status.		
MIMAMORI	WORK SUPPORT	OTHER ECU TROUBLE DATA	Trouble data & status ID, freeze frame data $1\sim$ 20.		
		ECU LOCK	Clears DPD data.		
		CLEAR ALL MIMAMORI DATA	Clears all Mimamori data.		
		CLEAR MIMAMORI DTC DATA	Clears all Mimamori DTC data.		
		CLEAR ALL DMU ENGINE DATA	Clears all DMU engine data.		
		CLEAR ALL TCM DMU DATA	Clears all transmission control module data.		
		DMU ENGINE FORCED RECORD	Forcibly records DMU engine.		
		TCM DMU FORCED RECORDING	Forcibly records DMU Transmission.		
	READ FAULT CODE		Displays and clears the trouble point.		
	DATA STREAM		Displays data; records the diagnostic results.		
		LAMP SYSTEM	Idling Stop Lamp, Maintenance Lamp Test ⇒[Operation]/[Non-Operation]/[END]		
ISS	ACTIVE TEST	RELAY SYSTEM	Starter relay, A/C Cut-off Relay, Low Beam Cut Relay, Buzzer Cut Relay, Idling-up Cut Relay Test⇒[Operation]/[Non-Operation]/[END]		
		MAGNETIC VALVE SYSTEM	Engine Stop Valve Test ⇒[Operation]/[Non-Operation]/[END]		
		START COUNTER RESET	Resets start counter.		
	WORK SUPPORT	START COUNTER PROGRAM	Inputs current counter operation frequency & general counter operation frequency.		
		VEHICLE TYPE PROGRAM	Selects vehicle type.		
NOTE . The co	ntents of the disn	lay active test and wo	rk support diagnostic functions may		

		•	
SYSTEM	MAIN-FUNCTION	SUB-FUNCTION	CONTENTS
	READ FAULT CODE		Displays and clears the trouble point.
	DATA STREAM		Displays data; records the diagnostic results.
CLUTCH- FREE	WORK SUPPORT	DISPLAY CLUTCH ABRASION DATA	Reads clutch abrasion data from ECU.
		WRITE CLUTCH ABRASION	Writes clutch abrasion data during clutch
		DATA	pad replacement.
	READ FAULT CODE		Displays and clears the trouble point.
	DATA STREAM		Displays data; records the diagnostic results.
		UREA WATER INJECTOR	Performs increase/decrease AdBlue injection quantity.
	ACTIVE TEST	UREA RETURN VALVE	Performs ON/OFF operations check.
		COOLING CONTROL VALVE	Performs tank heater cooling control valve
			ON/OFF operation check.
		SCR CATALYST DATA RESET	Resets SCR catalyst data identification value.
UREA SCR		NOx SENSOR 1 DATA RESET	Resets NOx sensor 1 data identification value.
UNEX CON		EXHAUST GAS TEMPERATURE	Resets exhaust gas temperature sensor 3 data
		SENSOR 3	identification value.
		UREA WATER INJECTION	Resets urea water injection control module
	WORK SUPPORT	CONTROL MODULE	data identification value.
		OXIDATION CATALYST DATA	Resets oxidation catalyst data identification
		RESET	value.
		UREA RETURN VALVE	Resets urea return valve data identification
			value.
		UREA WATER INJECTOR	Resets urea water injector data identification
			value.
	READ FAULT CODE		Displays and clears the trouble point.
ABS/ASR	DATA STREAM		Displays data; records the diagnostic results.
hee/ here	ACTIVE TEST	LAMP SYSTEM	Warning Lamp (ABS, ARS)
	AUTIVE TEST	RELAY SYSTEM	ABS Relay

7.UD TRUCKS DIAGNOSTIC SOFTWARE Ver(2.1*) List of Specific Vehicle System								
VEHICLE TYPE	REQUIRED System	REQUIRED MODEL YEAR	READ FAULT CODE	FREEZE DATA	DATA Stream	WORK Support	ACTIVE TEST	
	ENG	2002~			•			
	STOP IDLING	2007~	$\bullet$		$\bullet$			
CONDOR	CLUTCH-FREE	2002~			•			
LIGHT-	SMOOTHER E	2002~	$\bullet$		$\bullet$	$\bullet$		
DUTY	SMOOTHER EX	2007~	$\bullet$		$\bullet$			
DOTT	BCM	2006~	$\bullet$		$\bullet$	$\bullet$	$\bullet$	
	IMMOBILIZER	2006~						
	MIMAMORI	2007~			•			
CONDOR	ENG	2000~			•			
MEDIUM-DUTY	ESCOT	2000~						
CONDOR MEDIUM-DUTY J07E/J08E	ENG	2004~	•		•	•	•	
BIG THUMB	ENG	2000~	$\bullet$		•			
	ESCOT	2000~	$\bullet$		$\bullet$			
	ENG	2004~	$\bullet$		$\bullet$			
QUON	ESCOT	2004~	$\bullet$		$\bullet$			
	UDS	2004~						
	ENG	2000~						
BUS	ESCOT	2000~						
	UDS	2004~						

## 8. UD TRUCKS DIAGNOSTIC SOFTWARE Ver(2.1\*) List of Engines

	VEHICLE	VEHICLE	ENGINE MODEL		DIAGNOSTIC COUPLER		
CLASSIFICATION	MODEL NAME	MODEL		JAPANESE CALENDAR	WESTERN CALENDAR	COM	EXCL
		KK	4HF1、4HF1-CNG	'11.01~	' 99. 01 <b>~</b>		
		KK	4HG1、4HG1-LPG	'11.04~	' 99. 04 <b>~</b>		
		KK	4HJ1	'11.04~	' 99. 04 <b>~</b>	$\bullet$	
		KK	4HK1-T	' 12. 12~	' 00. 12 <b>~</b>	$\bullet$	
	LIGHT-DUTY CONDOR TRUCK (ISUZU ELF)	KR	4HJ1	'14.08~	' 02. 08 <b>∼</b>	$\bullet$	
		KR	4HJ1	' 14. 08~	' 02. 08 <b>∼</b>	$\bullet$	
		KR	4HL1-N	'14.06~	' 02. 06 <b>∼</b>	$\bullet$	
LIGHT-DUTY		KR	4HL1	'14.06~	' 02. 06 <b>∼</b>	$\bullet$	
TRUCK		KR	4HL1-N	'14.06~	'02.06 <b>~</b>	$\bullet$	
		PB	4HG1 (LPG)	'16.06~	'04.06∼		
		PB	4HF1 (CNG)	'16.06~	'04.06 <b>~</b>	$\bullet$	
		PB	4JG2 (LPG)	'16.06~	'04.06∼		
		PB	4HL1	'16.06~	'04.06∼	$\bullet$	
		PDG	4HK1	' 18. 12 <b>~</b>	'06.12 <b>∼</b>	$\bullet$	
		BKG	4JJ1	' 18. 12 <b>~</b>	'06.12 <b>∼</b>		
		BDG	4JJ1	' 18. 12~	' 06. 12 <b>~</b>		

#### 8. UD TRUCKS DIAGNOSTIC SOFTWARE Ver(2.1\*) List of Engines

					_		
CLASSIFICATION MEDIUM-DUTY TRUCK	VEHICLE	VEHICLE	ENGINE MODEL	REQUIRED MODEL YEAR		DIAGNOSTIC COUPLER	
	MODEL NAME	MODEL		JAPANESE CALENDAR	WESTERN CALENDAR	COM	EXCL
	CONDOR	KK	FE6	' 11. 05~	' 99. 05 <b>~</b>	•	
	CUNDUR	KK	FU6 (CNG)	' 12. 05~	' 00. 05 <b>~</b>	$\bullet$	
		PB	J07E	' 16. 04~	'04. 04~	•	
MEDIUM-DUTY		PA	J08E	' 16. 10 <b>~</b>	' 04. 10 <b>~</b>		
TRUCK	CONDOR	BKG	J08E	' 19. 05~	' 07. 05 <b>~</b>		
	GUNDUK	BDG	J08E	' 19. 05~	' 07. 05 <b>~</b>	$\bullet$	
		SKG, TKG	GH5, GH7	'23.07~	' 07. 05 <b>~</b>		
		QKG, LDG	GH7	'23. 07~	'07.05 <b>~</b>	$\bullet$	
	BIG THUMB	KL	RF8、RG8、RH8	' 11. 11~	' 99. 11 <b>~</b>	•	
		KL	GE13T	' 11. 11~	' 99. 11 <b>~</b>	$\bullet$	
	QUON	ADG	MD92T	' 16. 11~	' 04. 11 <b>~</b>		
HEAVY-DUTY TRUCK		ADG	GE13T	' 17. 05~	' 05. 05 <b>~</b>		
IRUUR		PKG	GE13T	' 19. 01 ~	' 07. 01 <b>~</b>	•	
		LKG	GH11, GH13	'22. 07~	'10.07~		
		LDG	GH11	'22.07~	' 10. 07~		
LIGHT-DUTY BUS	SPACE RUNNER	KK	FE6	'11.03~	' 99. 03 <b>~</b>	$\bullet$	
		KK	FE6	'11.04~	' 99. 04 <b>~</b>	•	
MEDIUM-DUTY	SPACE RUNNER	KK	FU6 (CNG)	'11.04~	' 99. 04 <b>~</b>	$\bullet$	
BUS	SPACE RUNNER	PB	J07E-TC	' 16. 08~	'04. 08∼	•	
		PDG	6M60	' 18. 12~	' 07. 12 <b>~</b>		
HEAVY-DUTY		KL	FE6	' 19. 01 ~	' 07. 01 <b>~</b>		
BUS	SPACE ARROW	PK	J07E-TC	' 19. 01 ~	' 07. 01 <b>~</b>		
000		PDG	6M60	' 19. 01 ~	' 07. 01 <b>~</b>	•	
HEAVY-DUTY		KL	RH8	' 19. 01 ~	' 07. 01 <b>~</b>		
BUS	SPACE WING	ADG	MD92TK	' 19. 01 ~	' 07. 01 <b>~</b>		
600		BKG	6M70	' 19. 01 ~	'07.01~		

#### 9. UD TRUCKS DIAGNOSTIC SOFTWARE Ver(2.1\*) List of Diagnostic Functions

• CONDOR-Light-Duty is an Isuzu ELF-OEM vehicle. Please refer to the list of diagnostic functions of Isuzu.

• For CONDOR-Medium-Duty ENG model(J07E/J08E), please refer to the list of diagnostic functions of Hino ENG.

#### DIAGNOSTIC FUNCTIONS of F-system engine, P-system engine, GE 13 engine equipped vehicles

SYSTEM	MAIN-FUNCTION	SUB-FUNCTION	CONTENTS
ENGINE	READ FAULT CODE		Displays and clears the trouble point.
	DATA STREAM		Displays data; records the diagnostic results.
ESCOT	READ FAULT CODE		Displays and clears the trouble point.
	DATA STREAM		Displays data; records the diagnostic results.
UDS	READ FAULT CODE		Displays and clears the trouble point.
UREA SCR	DATA STREAM		Displays data; records the diagnostic results.

## 10. MITSUBISHI FUSO DIAGNOSTIC SOFTWARE Ver (7. 2\*) List of Specific Vehicle System

VEHICLE TYPE         SYSTEM         MODEL YEAR         CODE         DATA         STREAM         SUPPORT         T           ENG         1997~         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         • <td< th=""><th>CT I VE TEST</th></td<>	CT I VE TEST
ENG, EEC         2010~         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         • <t< th=""><th>•</th></t<>	•
UREA SCR         2010~         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         • <t< td=""><td></td></t<>	
UREA SCR         2010~         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         • <t< td=""><td></td></t<>	
INOMAT         2007~         Image: Canter information inform	
INOMAT         2007~         Image: Canter information inform	
CANTER         TCM         2010~         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         • <t< td=""><td></td></t<>	
ABS       1998~       •       •       •       •         EZGO       2000~       •       •       •       •       •         MOTOR CONTROL       2007~       •       •       •       •       •       •       •       •       •       •       •       •       •       •       •       •       •       •       •       •       •       •       •       •       •       •       •       •       •       •       •       •       •       •       •       •       •       •       •       •       •       •       •       •       •       •       •       •       •       •       •       •       •       •       •       •       •       •       •       •       •       •       •       •       •       •       •       •       •       •       •       •       •       •       •       •       •       •       •       •       •       •       •       •       •       •       •       •       •       •       •       •       •       •       •       •       •       •       •       •	
EZGO         2000~         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •<	
MOTOR CONTROL         2007~         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •	•
BATTERY CONTROL         2007~         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •	•
ENG         1999~         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         • </td <td>•</td>	•
FIGHTER       UREA SCR       2010~       •       •       •       •       •       •       •       •       •       •       •       •       •       •       •       •       •       •       •       •       •       •       •       •       •       •       •       •       •       •       •       •       •       •       •       •       •       •       •       •       •       •       •       •       •       •       •       •       •       •       •       •       •       •       •       •       •       •       •       •       •       •       •       •       •       •       •       •       •       •       •       •       •       •       •       •       •       •       •       •       •       •       •       •       •       •       •       •       •       •       •       •       •       •       •       •       •       •       •       •       •       •       •       •       •       •       •       •       •       •       •       •       •       •       •	•
AT       2010~       •       •       •         INOMAT       2007~       •       •       •         ABS       2002~       •       •       •         EZGO       2000~       •       •       •         SRS       1999~       •       •       •         IMMOBILIZER       2006~       •       •       •	•
AT       2010~       •       •       •         INOMAT       2007~       •       •       •         ABS       2002~       •       •       •         EZGO       2000~       •       •       •         SRS       1999~       •       •       •         IMMOBILIZER       2006~       •       •       •	
ABS       2002~       •       •       •         EZGO       2000~       •       •       •       •         SRS       1999~       •       •       •       •         IMMOBILIZER       2006~       •       •       •       •	
ABS         2002~         •         •         •           EZGO         2000~         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •	
SRS         1999~         ●         ●           IMMOBILIZER         2006~         ●         ●         ●	
SRS         1999~         ●         ●           IMMOBILIZER         2006~         ●         ●         ●	-
ENG $2000 \sim 0$ $\bullet$ $\bullet$ $\bullet$	•
UREA SCR 2010~ • • •	•
INOMAT 2010~ ● ●	•
ABS 2000~ ●	
EZGO 2000~ ●	
SUPER GREAT SRS 2000~ •	•
IMMOBILIZER 2004∼ ● ●	
HEADLIGHT LEVELING 2004~ • •	•
INTEGRATED     2004~       CONTROL     2004~	•
ENG 1997~ ● ●	•
ENG, EEC 2010~ • • •	
UREA SCR 2010~ • • •	•
AT 2002~ •	
INOMAT 2007~ ● ●	•
ROSA TCM 2010~ • • •	
ABS 1998~ •	
EZGO 2000~ • •	$\bullet$
MOTOR CONTROL 2007~ •	
BATTERY CONTROL 2007~ • •	•
SRS 1997~ ● ●	

## 10. MITSUBISHI FUSO DIAGNOSTIC SOFTWARE Ver (7.2\*) List of Specific Vehicle System

VEHICLE TYPE	REQUIRED		READ FAULT	FREEZE	DATA	WORK	ACTIVE
	SYSTEM	MODEL YEAR	CODE	DATA	STREAM	SUPPORT	TEST
	ENG	1999~			•		
	UREA SCR	2011~					$\bullet$
AERO MIDI	ABS	2000~			•		
	EZGO	1999~					$\bullet$
	SRS	1999~	•				
	ENG	1999~					$\bullet$
AERO STAR	UREA SCR	2011~	•	•		•	
	ABS	1999~					$\bullet$
	EZGO	2000~			•		
	SRS	1999~					
	ENG	1999~		•	•		
	UREA SCR	2010~		•			$\bullet$
AERO ACE	ABS	1999~			$\bullet$		$\bullet$
AERO ACE	EZGO	2000~	$\bullet$		$\bullet$		$\bullet$
	SRS	1999~			$\bullet$		$\bullet$
	ENG	1999~	$\bullet$	$\bullet$	$\bullet$		$\bullet$
	UREA SCR	2011~		$\bullet$	$\bullet$		$\bullet$
	ABS	1999~	$\bullet$		$\bullet$		$\bullet$
ONORT	EZGO	2000~			$\bullet$		$\bullet$
	SRS	2000~	$\bullet$				
	ENG	1999~		$\bullet$	$\bullet$		$\bullet$
	UREA SCR	2010~		$\bullet$	$\bullet$		$\bullet$
AERO QUEEN	ABS	1999~					
	EZGO	2000~			$\bullet$		$\bullet$
	SRS	1999~		$\bullet$			●

## 11. MITSUBISHI FUSO DIAGNOSTIC SOFTWARE Ver(7.2\*) List of Engines

CLASSIFI-	VEHICLE	VEHICLE ENGINE MODEL		REQUIRED	DIAGNOSTIC COUPLER		
CATION	MODEL NAME	MODEL		JAPANESE Calendar	WESTERN CALENDAR	COM	EXCL
		KC	4D33, 4D34	'09.04~	' 97. 10 <b>~</b>		
		KC, KK	4M50, 4M51	' 09. 10 <b>~</b>	' 97. 10 <b>~</b>		
		PA, PB	4M50	' 16. 10 <b>~</b>	' 04. 10 <b>~</b>		
LIGHT-DUTY	CANTER	PDG	4M50	' 19. 01 ~	' 07. 01 <b>~</b>		
TRUCK		BKG	4M50	'20.05~	' 08. 05 <b>~</b>		
TRUCK		PDG	4M42	' 18. 08~	' 06. 08 <b>~</b>		
		SKG, TKG, SDG	4P10	'22. 08~	' 10. 08~		
		PA	4M50	' 17. 10~	' 05. 10 <b>~</b>		
	CANTER GUTS	PA	4M42	'20.05~	' 08. 05 <b>~</b>		
		KL	6M61	'11.02~	' 99. 02 <b>~</b>		
		KK	6M60	' 14. 02~	' 02. 02 <b>~</b>		
MEDIUM-DUTY		PJ, PA	6M60	'16.06~	'04.06 <b>~</b>		
TRUCK	FIGHTER	PDG, ADG	6M60	' 18. 05~	' 06. 05 <b>~</b>		
		BKG	6M60	'20.06~	' 08. 09 <b>~</b>		
		TKG, LKG	6M60	'22.10~	' 10. 10~		
		KC	6D40	' 09. 07 <b>~</b>	' 97. 06 <b>~</b>		
	SUPER GREAT	KL	8DC11	'11.08~	' 99. 08 <b>~</b>		
		KL	8M21, 8M22	'11.06~	'99.06 <b>~</b>		
		KL	6M70	'11.04~	' 99. 04 <b>~</b>		
TRUCK		PJ	6M70	' 15. 08~	' 03. 08 <b>~</b>		
		BKG, BDG	6M70	' 19. 06~	' 07. 06 <b>~</b>		
		LKG, QPG	6R10	'22.06∼	' 10. 06~		
		KC, KK	4M50	' 09. 10 <b>~</b>	' 97. 10 <b>~</b>		
LIGHT-DUTY	DOGA	PA	4M50	' 16. 10 <b>~</b>	' 04. 10 <b>∼</b>		
BUS	ROSA	PDG	4M50	' 19. 01 ~	' 07. 01 <b>~</b>		
		TPG	4P10	'22.08~	' 10. 08~		
		КК	6M61	' 11. 07~	' 99. 07 <b>~</b>		
MEDIUM-DUTY		KK, PA	4M50	' 14. 02~	' 02. 04 <b>~</b>		
TRUCK HEAVY-DUTY TRUCK LIGHT-DUTY BUS MEDIUM-DUTY BUS HEAVY-DUTY	AERO MIDI	PA, PDG,	6M60	' 16. 01~	' 04. 11 <b>~</b>		
		SKG, TPG	6M60	' 23. 11~	' 11. 11~		
		KL, PJ	6M70	' 12. 05~	' 00. 05 <b>~</b>		
	AERO STAR	PJ, PKG	MD92	'16.03~	'04.03∼		
		LKG, QKG	6M60	'22.05~	' 10. 05~	•	
		KL	8M21	' 12. 05~	' 00. 05 <b>~</b>		
	AERO ACE	PJ, BKG	6M70	' 17. 10 <b>~</b>	' 05. 10 <b>~</b>	•	
		QRG, QTG	6R10	· 22. 09 <b>~</b>	' 10. 09~		
BUS	AERO ACE	PDG	6M60	' 19. 06 <b>~</b>	° 07. 06∼	•	
	SHORT	QDG	6M60	· 22. 09~	10.09~		
		KL	8M21	' 12. 05 <b>~</b>	' 00. 05 <b>~</b>	•	
	AERO QUEEN	PJ, BKG	6M70	' 17. 10 <b>~</b>	' 05. 10 <b>~</b>		
		QRG, QTG	6R10	· 22. 09~	10.09~	•	

#### Light-Duty Truck: Engine Type 4P10

SYSTEM	MAIN-FUNCTION	SUB-FUNCTION	CONTENTS
OTOTEM	READ FAULT CODE		Displays and clears the trouble point.
	DATA STREAM		Displays data; records the diagnostic results.
		COLD START	Forcibly operates cold start.
		RAIL INTERNAL PRESSURE REGULATOR VALVE	Forcibly operates common rail pressure control valve.
		RAIL INTERNAL PRESSURE LIMITER VALVE	Forcibly operates common rail pressure limiter valve.
		FUEL INJECTOR	Forcibly operates injector.
	ACTIVE	BOOST PRESSURE CONTROL	Forcibly operates boost pressure control.
	TEST	EGR CONTROL	Forcible operates EGR control.
		EXHAUST BRAKE SOLENOID VALVE	Forcible operates exhaust brake.
		AdBlue DISTRIBUTION QUANTITY TEST	Forcibly operates additional urea water.
		LEAK (AdBlue) : CHECK	Checks AdBlue (Urea Water) leakage.
EEC ENGINE		AdBlue PRESSURE LINE CAPACITY AdBlue RETURN CHECK	Checks urea water line back-flow function.
		PARTICULATE FILTER RE-COMBUSTION	Forcibly operates DPF regeneration.
	Work Support	Resets engine oil identification value.	
		Resets fuel injector identification value.	
		Resets rail internal pressure limiter valve identification value.	
		Resets rail pressure sensor identification value.	
		Resets O2 Sensor identification value.	
		Resets hot film air mass sensor identification value.	
		Resets turbo-charger identification value.	
		Identification works after turbo-charger replacement.	
		Resets EGR valve identification value.	
		Resets particulate filter/oxidation catalyst identification value.	
		Resets particulate filter differential pressure sensor identification value.	
		Engine Control Unit (Identifies control unit engine control unit.)	
		Resets engine control unit identification value.	
		Adjusts injector injection quantity (HEV).	

#### SYSTEM MAIN-FUNCTION SUB-FUNCTION CONTENTS READ FAULT CODE Displays and clears the trouble point. DATA STREAM Displays data; records the diagnostic results. Shifts to forward gear during vehicle stop, GEAR SHIFT manual release gear limit (can select starting gear to $6^{th}$ gear). Line Pressure - High : Forced Retention LINE PRESSURE HIGH LINE PRESSURE LOW Line Pressure - Low : Forced Retention OIL COOLER ON Cooler Lubrication ON : Forced Retention OIL COOLER OFF TCM Cooler Lubricatoin OFF: Forced Retention INNER CLUTCH ON Clutch 1 ON (1.2A) : Forced Retention TRANSMISSION ACTIVE OUTER CLUTCH ON Clutch 2 ON (1.2A) : Forced Retention TEST SHIFT LOCK RELEASE Release shift lock. Turns ON switch valve for the cooling circuit. Turns OFF switch valve for the cooling circuit. Turns ON blower motor relay. Turns OFF blower motor relay. Operates motor (Discharge Mode). Operates motor (Charge Mode). WARNING LAMP Lamp ON/OFF READ FAULT CODE Displays and clears the trouble point. DATA STREAM Displays data; records the diagnostic results. Sets FR modulator to HOLD Mode. FR MODULATOR Sets FR modulator to EXHAUST Mode. Sets FL modulator to HOLD Mode. FL MODULATOR Sets FL modulator to EXHAUST Mode. Sets RR modulator to HOLD Mode. **RR MODULATOR** Sets RR modulator to EXHAUST Mode. ABS ACTIVE Sets RL modulator to HOLD Mode. **RL MODULATOR** Sets RL modulator to EXHAUST Mode. TEST ASR VALVE ASR Valve EXHAUST BRK CUT Forcibly drives exhaust brake cut relay. RELAY ENGINE CONTROL TEST Checks engine speed control. WARNING LAMP Warning Lamp ON/OFF Information Lamp Test ON/OFF INFO LAMP TEST WORK SUPPORT DRIVE SYSTEM Sets rear wheel drive system(Drum/Disk)

#### Light-Duty Truck: Engine Type 4P10

NOTE: The contents of the display, active test and work support diagnostic functions may differ depending on the vehicle model and model year.

Displays and clears the trouble point.

SRS

READ FAULT CODE

SYSTEM	MAIN-FUNCTION	SUB-FUNCTION	CONTENTS
	READ FAULT CODE		Displays and clears the trouble point.
	DATA STREAM		Displays data; records the diagnostic results
	ECU RESET		Resets DPF regeneration data.
		EGR1, 2, 3	Checks specified EGR valve ON/OFF operation.
		VGT M/V1, 2, 3	Checks specified VGT valve ON/OFF operation.
		POWER TARD M/V	Checks power tard valve ON/OFF operation.
		EXHAUST BRAKE M/V	Checks exhaust brake valve ON/OFF operation.
		AUXILIARY BRAKE LP	Checks auxiliary brake indicator lamp ON/OF operation.
		AIR HEATER RELAY, LAMP	Checks relay's & lamp's ON/OFF operation.
		STARTER CONTINUOUS POWER PREVENTION RELAY	Checks relay ON/OFF operation.
	ACTIVE	EDU RELAY	Checks relay ON/OFF operation.
	TEST	MIL LAMP	Checks lamp ON/OFF operation.
		AIRCON SW1	Checks aircon ON/OFF operation.
		IDLE-UP CANCEL SW	Checks idle-up cancel operation.
		FUEL LEAKAGE CHECK	Checks fuel leakage according to high fuel pressure drive.
		VGT TEST	Measures turbo charger boost pressure.
ENGINE		INJECTOR STOP	Fuel injection stop on cylinder #1~#6.
		INTAKE THROTTLE	Checks actual opening of opening setting and operation time.
		UREA RELATED-LAMP	Checks remaining quantity, identification, SC warning and each lamp operation.
	WORK SUPPORT	ID CODE DISPLAY	Checks injector ID code of ech cylinder.
		ID CODE REGISTRATION	Registers ID code during injector replacement
		PUMP INITIALIZATION	Clears & initializes supply pump learning value
		Q ADJ No. DISPLAY	Displays registered Q Adjustment Number.
		Q ADJ MAINTENANCE No. REGISTRATION	Registers Q Adjustment Maintenance Number.
		AIR FLOW SENSOR CHARACTERISTICS No. DISPLAY	Displays registered air flow sensor characteristics number.
		AIR FLOW SENSOR CHARACTERISTICS No. REGISTRATION	Registers air flow sensor characteristics number.
		DPF DIFFERENTIAL	Displays vehicle differential pressur
		PRESSURE EASUREMENT	standards, measures DPF differential pressure
		DPF FORCED	Removes accumulated PM in DPF thru repea
		REGENERATION	combustion.

SYSTEM	MAIN-FUNCTION	SUB-FUNCTION	CONTENTS
	READ FAULT CODE		Displays and clears the trouble point.
	DATA STREAM		Displays data; records the diagnostic results.
		SYSTEM CHECK	Executes urea water temperature and pressure
			check.
		ADD' L VALVE CHECK 1	Forcibly adds urea water.
		ADD' L VALVE CHECK 2	Forcibly adds urea water.
		ADD' L VALVE CHECK 3	Forcibly adds urea water.
		TEST MODE END	Forcibly purges air during test end.
		TANK HEATING VALVE	Turns ON/OFF tank heating valve with interval of 120 seconds.
SCR		COMPRESSED AIR	Turns ON/OFF compressed air control valve
UREA	ACTIVE	CONTROL VALVE	with interval of 120 seconds.
	TEST	PUMP MODULATOR	Turns ON/OFF pump modulator with interval of 120 seconds.
		EXTERNAL SUCTION	Turns ON/OFF external return line heater with
		LINE HEATER	interval of 120 seconds.
		EXTERNAL ADD' L	Turns ON/OFF external additional line heater
		LINE HEATER	with interval of 120 seconds.
		AdBlue LEAKAGE FLAG CLEAR	Clears AdBlue leakage flag.
		FREEZENUMBERCOUNTER 1, 2RESET	Reset the freeze number counters 1 & 2.
A/T	READ FAULT CODE		Displays and clears the trouble point.
N/ 1	DATA STREAM		Displays data; records the diagnostic results.
	READ FAULT CODE		Displays and clears the trouble point.
	DATA STREAM		Displays data; records the diagnostic results.
	ACT I VE TEST	D/U MAIN POWER ON	Drive Unit Main Power ON/OFF
		D/U SUB POWER ON	Drive Unit Sub Power ON/OFF
		WARNING BUZZER ON	Warning Buzzer ON/OFF
		2 <sup>nd</sup> SHIFT	Specified Shift Position
		3 <sup>rd</sup> SHIFT	Specified Shift Position
INOMAT		4 <sup>th</sup> SHIFT	Specified Shift Position
		5 <sup>th</sup> SHIFT	Specified Shift Position
		NEUTRAL 7 <sup>th</sup> SHIFT	Specified Shift Position
		8 <sup>th</sup> SHIFT	Specified Shift Position Specified Shift Position
		9 <sup>th</sup> SHIFT	Specified Shift Position
		10 <sup>th</sup> SHIFT	Specified Shift Position
			Specified Shirl Postcion

SYSTEM	MAIN-FUNCTION	SUB-FUNCTION	CONTENTS
	READ FAULT CODE		Displays and clears the trouble point.
	DATA STREAM		Displays data; records the diagnostic results.
		FL VALVE ON	Checks valve ON/OFF operation.
		FR VALVE ON	Checks valve ON/OFF operation.
		RL VALVE ON	Checks valve ON/OFF operation.
		RR VALVE ON	Checks valve ON/OFF operation.
		VALVE RELAY ON	Turns ON valve relay.
		VALVE RELAY OFF	Turns OFF valve relay.
		MOTOR RELAY ON	Turns ON motor relay.
		MOTOR RELAY OFF	Turns OFF motor relay.
ADC	ACTIVE	ABS W/L ON	Checks ABS warning lamp ON/OFF operation.
ABS	TEST	EXHAUST BRAKE RELAY ON	Turns ON exhaust brake relay.
		EXHAUST BRAKE RELAY OFF	Turns OFF exhaust brake relay.
		ASR CUT VALVE ON	Turns ON ASR cut valve.
		ASR CUT VALVE OFF	Turns OFF ASR cut valve.。
		ASR CHARGE ON	ASR Charge ON
		ASR CHARGE OFF	ASR Charge OFF
		ASR LAMP ON	Turns ON ASR lamp.
		ASR MOTOR ON	Turns ON ASR motor.
	READ FAULT CODE		Displays and clears the trouble point.
	DATA STREAM		Displays data; records the diagnostic results.
	ACT I VE TEST	AUS M/V2	Checks AUS M/V2 ON/OFF operation.
		AUS M/V1	Checks AUS M/V1 ON/OFF operation.
		AUS BUZZER	Checks AUS buzzer ON/OFF operation.
		AUS OPERATING LAMP	Checks AUS operating lamp ON/OFF operation.
		AUS WARNING LAMP	Checks AUS warning lamp operation.
F700		PARKING BRAKE LAMP	Checks parking brake lamp ON/OFF operation.
EZGO		AUS POWER RETENTION	Checks AUS power retention relay ON/OFF
		RELAY	operation.
		LB HORN	Checks LB horn ON/OFF operation.
		LB OPERATION SET-UP	Checks LB operation set-up lamp ON/OFF
		LAMP	operation.
		LB PRESSURE	Checks LB pressure retention lamp ON/OFF
		RETENTION LAMP	operation.

12. MITSUBISHI FUSO DIAGNOSTIC SOFTWARE Ver(7.2*) List of Diagnostic Function			
SYSTEM	MAIN-FUNCTION	SUB-FUNCTION	CONTENTS
SRS	READ FAULT CODE		Displays and clears the trouble point.
	DATA STREAM		Displays data; records the diagnostic results.
	READ FAULT CODE		Displays and clears the trouble point.
	DATA STREAM		Displays data; records the diagnostic results.
IMMOBILIZER	ACTIVE TEST	INTERNAL FET	Turns ON FET.
		INJECTOR LAMP ON	Checks injector lamp ON.
	READ FAULT CODE		Displays and clears the trouble point.
	DATA STREAM		Displays data; records the diagnostic results.
		MOTOR DRIVE	Checks increase speed of engine and motor.
	ACTIVE TEST	MOTOR REVERSE DRIVE (POWER GENERATION)	Checks increase charge rate of high voltage battery.
MOTOR CONTROL		MAIN CONTACTOR (+) OPERATION	Checks main contactor (+) operating sound.
		MAIN CONTACTOR (-) OPERATION	Checks main contactor (-) operating sound.
		PRE-CHARGE CONTACTOR OPERATION	Checks pre-charge contactor operating sound.
		RADIATOR FAN OPR'N	Operates the radiator fan.
		WATER PUMP OPR' N	Uses air vent of the high cooling voltage system.
	READ FAULT CODE		Displays and clears the trouble point.
BATTERY	DATA STREAM		Displays data; records the diagnostic results.
CONTROL	ACTIVE TEST	COOLING FAN 1~8 START-UP	Turns ON/OFF the cooling fan No. 1 $\sim$ 8.
	READ FAULT CODE		Displays and clears the trouble point.
	DATA STREAM		Displays data; records the diagnostic results.
	ACTIVE TEST	INTEGRATED CONTROL RELATED LAMP	Checks ON/OFF operation.
INTEGRATED		COOLER CONTROL SIGNAL	Checks ON/OFF operation.
CONTROLS		VEHICLE STOPPING SIGNAL	Checks ON/OFF operation.
		AUXILIARY MOTOR ROTATING SIGNAL	Checks ON/OFF operation.
		REVERSE RELAY	Checks ON/OFF operation.
		AMMETER, METER, ETC.	Checks operation.
	READ FAULT CODE		Displays and clears the trouble point.
HEADLIGHT LEVELING	DATA STREAM		Displays data; records the diagnostic results.
	ACTIVE TEST	LEVELING ACT DRIVE	Drives the leveling actuator.

 ACTIVE TEST
 LEVELING ACT DRIVE
 Drives the leveling actuator.

 NOTE: The contents of the display, active test and work support diagnostic functions may differ depending on the vehicle model and model year.

## WANTED: DEALERS/DISTRIBUTORS

A diagnostic tester is an essential tool for car maintenance. It would be difficult to perform repairs and maintenance if the trouble code and data are not checked. After the replacement of car parts, it requires registration, initialization and learning of ID codes. If this procedures are not done the check lamp will light and it will not work properly.

Our company's diagnostic tester (DT-3300) supports all Japanese cars and European cars. In particular, diagnostic features of Japanese cars are in accordance with the functions of a genuine tester of the vehicle manufacturer, thus a very good device. Our DT-3300 is now active and is being used in Southeast Asian countries, Australia, New Zealand and South American countries.

Japan Venture is looking/recruiting for dealers or distributors in each of these countries. Please contact us through email or by telephone.

Thank you very much.

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