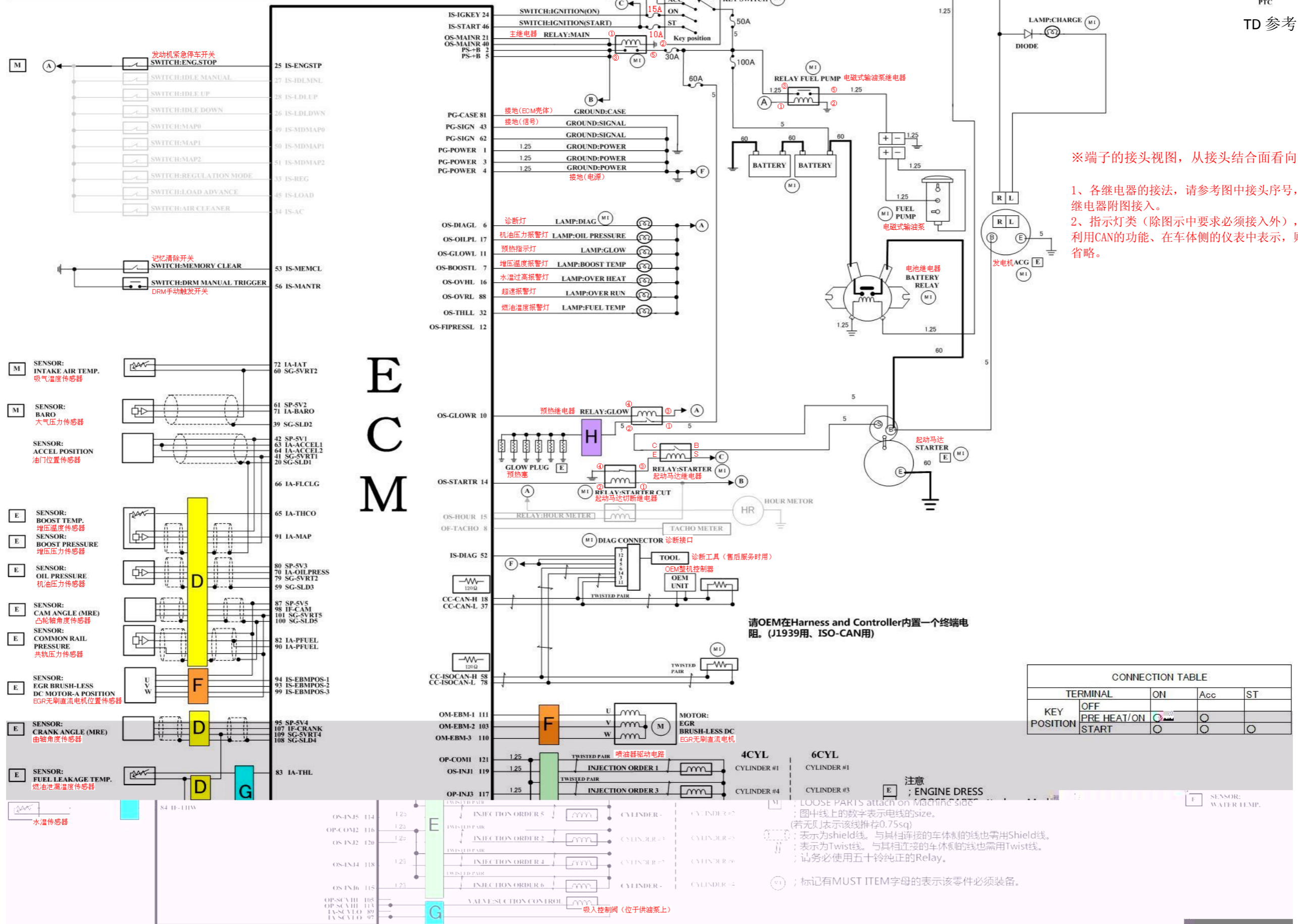


-DIAGRAM FOR 4J, 4H, 6H



※端子的接头视图，从接头结合面看向端子。

1、各继电器的接法，请参考图中接头序号，对照继电器附图接入。

2、指示灯类（除图示中要求必须接入外），如能利用CAN的功能、在车体侧的仪表中表示，则可以省略。

请OEM在Harness and Controller内置一个终端电阻。(J1939用、ISO-CAN用)

CONNECTION TABLE			
TERMINAL	ON	Acc	ST
KEY POSITION	OFF		
	PRE HEAT/ON	○	○
	START	○	○

注意
ENGINE DRESS

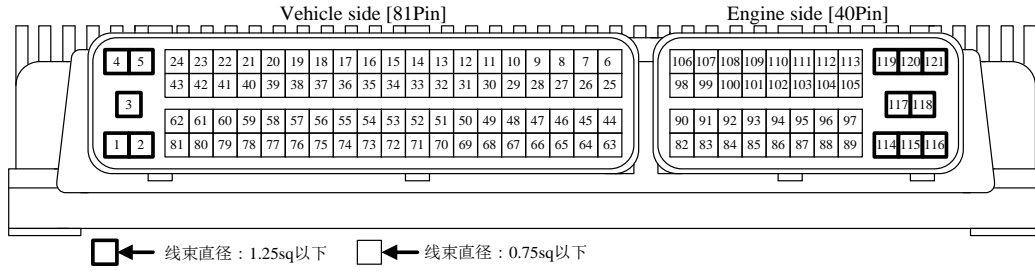
LOOSE PARTS attach on Machine side
图中线上的数字表示电线的size.
(若无则表示该线排存0.75sq)
表示为shield线. 与其连接的线也需用Shield线.
表示为Twist线. 与其连接的线也需用Twist线.
请务必使用五十铃纯正的Relay.
标记有MUST ITEM字母的表示该零件必须装备.

SENSOR: WATER TEMP.

ECM PIN LAYOUT for Industrial Eng 4J, 4H, 6H

M4-ECM

:Sep./13/2011



5	PS-+B	44	N.C.	6	OS-DIAGL
4	PG-POWER	45	IS-LOAD	7	OS-BOOSTL
3	PG-POWER	46	IS-START	8	OF-TACHO
2	PS-+B	47	IS-DPFREG	9	OS-DPFREG
1	PG-POWER	48	N.C.	10	OS-GLOWR
		49	IS-MDMAP0	11	OS-GLOWL
		50	IS-MDMAP1	12	OS-FIPRESSL
		51	IS-MDMAP2	13	N.C.
		52	IS-DIAG	14	OS-STARTR
		53	IS-MEMCL	15	OS-HOUR
		54	N.C.	16	OS-OVHL
		55	N.C.	17	OS-OILPL
		56	IS-MANTR	18	CC-CAN-H
		57	MOD	19	N.C.
		58	CC-ISOCAN-H	20	SG-SLD1
		59	SG-SLD3	21	OS-MAINR
		60	SG-5VRT2	22	SG-12VRT
		61	SP-5V2	23	SP-12V(24V)
		62	PG-SIGN	24	IS-IGKEY
		63	IA-ACCEL1	25	IS-ENGSTP
		64	IA-ACCEL2	26	IS-IDLDWN
		65	IA-THCO	27	IS-IDLMNL
		66	IA-FLCLG	28	IS-IDLUP
		67	IA-EXHP	29	N.C.
		68	IA-IMT	30	N.C.
		69	IA-MAF	31	OS-DPFSL
		70	IA-OILPRESS	32	OS-THLL
		71	IA-BARO	33	IS-REG
		72	IA-IAT	34	IS-AC
		73	IA-THCSFI	35	N.C.
		74	IA-THDOCI	36	N.C.
		75	N.C.	37	CC-CAN-L
		76	CC-BOOTRX	38	N.C.
		77	CC-BOOTTX	39	SG-SLD2
		78	CC-ISOCAN-L	40	OS-MAINR
		79	SG-5VRT3	41	SG-5VRT1
		80	SP-5V3	42	SP-5V1
		81	PG-CASE	43	PG-SIGN

113	OP-SCVHI	121	OP-COM1
112	OM-IDM1	120	OS-INJ2
111	OM-EBM1	119	OS-INJ1
110	OM-EBM3	118	OS-INJ4
109	SG-5VRT4	117	OS-INJ3
108	SG-SLD4	116	OP-COM2
107	IF-CRANK	115	OS-INJ6
106	N.C.	114	OS-INJ5
105	OP-SCVHI		
104	OM-IDM2		
103	OM-EBM2		
102	N.C.		
101	SG-5VRT5		
100	SG-SLD5		
99	IS-EBMPOS3		
98	IF-CAM		
97	IA-SCVLO		
96	OP-EVRV		
95	SP-5V4		
94	IS-EBMPOS1		
93	IS-EBMPOS2		
92	IA-EVRV		
91	IA-MAP		
90	IA-PFUEL		
89	IA-SCVLO		
88	OS-OVRL		
87	SP-5V5		
86	N.C.		
85	IA-IDMPOS		
84	IA-THW		
83	IA-THL		
82	IA-PFUEL		

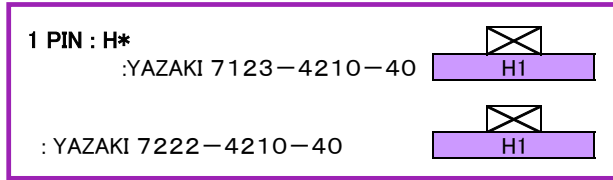
Note

N.C. None Connect

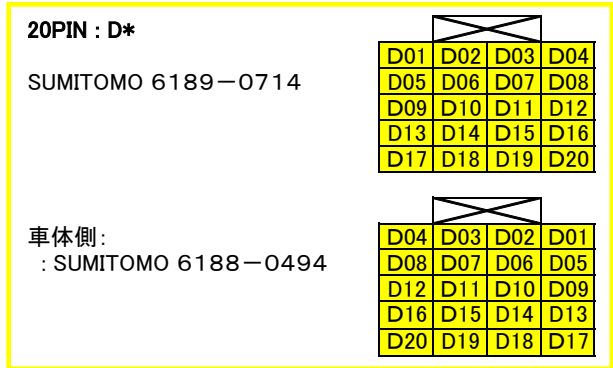
中国3次排放 4H/6H/4J (M4-ECM) Engine harness connector PIN array

HE-4335(1)

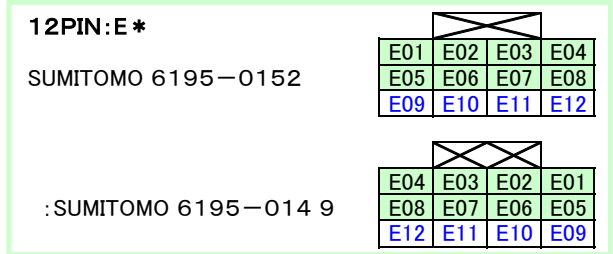
H



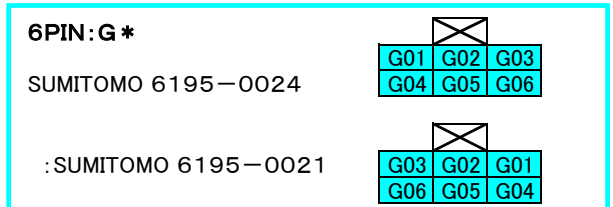
D



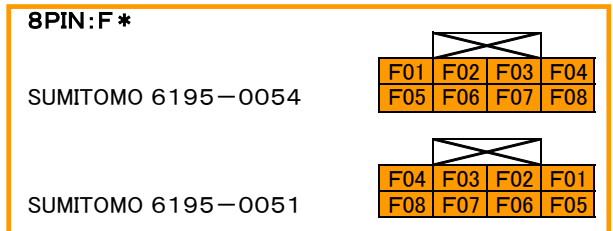
E



G



F



PIN No.	Terminal name	Terminal at ECM side	Wire size.(sq)	Wire type
H1	Glow Relay	to Glow Relay	5	
D01	NE Crank pulse GND	E109	0. 5	Sealed wire-1
D02	NE Crank pulse OUT	E107	0. 5	Sealed wire-1
D03	NE Crank pulse SLD	E108	0. 75	Sealed wire-1
D04	NE Crank pulse Vcc	E95	0. 5	Sealed wire-1
D05	G (Cam angle) sensor pulse out	E98	0. 5	Sealed wire-2
D06	G & Common rail press sensor SLD	E100	0. 75	Sealed wire-2/3
D07	Water temp /Fuel temp sensor GND	E109	0. 75	
D08	Boost press sensor Vcc	V42	0. 75	
D09	Oil press sensor Vcc	V80	0. 75	
D10	Oil press sensor out	V70	0. 75	
D11	Oil press/Exh temp sensor GND	V79	0. 75	
D12	Common rail press sensor Vcc	E87	0. 5	Sealed wire-3
D13	Common rail press sensor out	E82/E90	0. 5	Sealed wire-3
D14	Common rail press sensor GND	E101	0. 5	Sealed wire-3
D15	Boost temp sensor	V65	0. 75	
D16	Boost press sensor Vout	E91	0. 75	
D17	Boost press sensor GND	V41	0. 75	
D18	G pulse GND	E101	0. 5	Sealed wire-2
D19	G pulse Vcc	E87	0. 5	Sealed wire-2
E01	Injector power supply 1	E121	1.25	Twisted pair-1
E02	Injector power supply 1	E121	1.25	Twisted pair-2
E03	Injector power supply 2	E116	1.25	Twisted pair-3
E04	Injector power supply 2	E116	1.25	Twisted pair-4
E05	OS-INJ1 signal (#1)	E119	1.25	Twisted pair-1
E06	OS-INJ3 signal (4CYL #4 /6CYL #3)	E117	1.25	Twisted pair-2
E07	OS-INJ2 signal(4CYL #3 / 6CYL #5)	E120	1.25	Twisted pair-3
E08	OS-INJ4 signal (4CYL #2 / 6CYL #4)	E118	1.25	Twisted pair-4
E09	OS-INJ5 signal (6CYL #2)	E114 (6H)	1.25	Twisted pair-5 ← 6H
E10	Injector power supply 1	E121 (6H)	1.25	Twisted pair-5 ← 6H
E11	OS-INJ6 signal (6CYL #4)	E115 (6H)	1.25	Twisted pair-6 ← 6H
E12	Injector power supply 2	E116 ※5 (6H)	1.25	Twisted pair-6 ← 6H
G01	Fuel temp sensor out	E83	0. 75	
G02	Supply pump SCV-H	E105/E113	0. 75	
G03	Supply pump SCV-L	E89/E97	0. 75	
G04	Over heat warning SW	-	0. 75	
G05	Water temp sensor out	E84	0. 75	
G06	Water temp sensor (for OEM meter)	-	0. 75	
F01	EGR sensor Vcc	E87 ※2	0. 75	
F02	EGR sensor W	E99	0. 75	
F03	EGR sensor V	E93	0. 75	
F04	EGR sensor U	E94	0. 75	
F05	EGR sensor GND	E101 ※3	0. 75	
F06	EGR motor W	E110	0. 75	
F07	EGR motor V	E103	0. 75	
F08	EGR motor U	E111	0. 75	