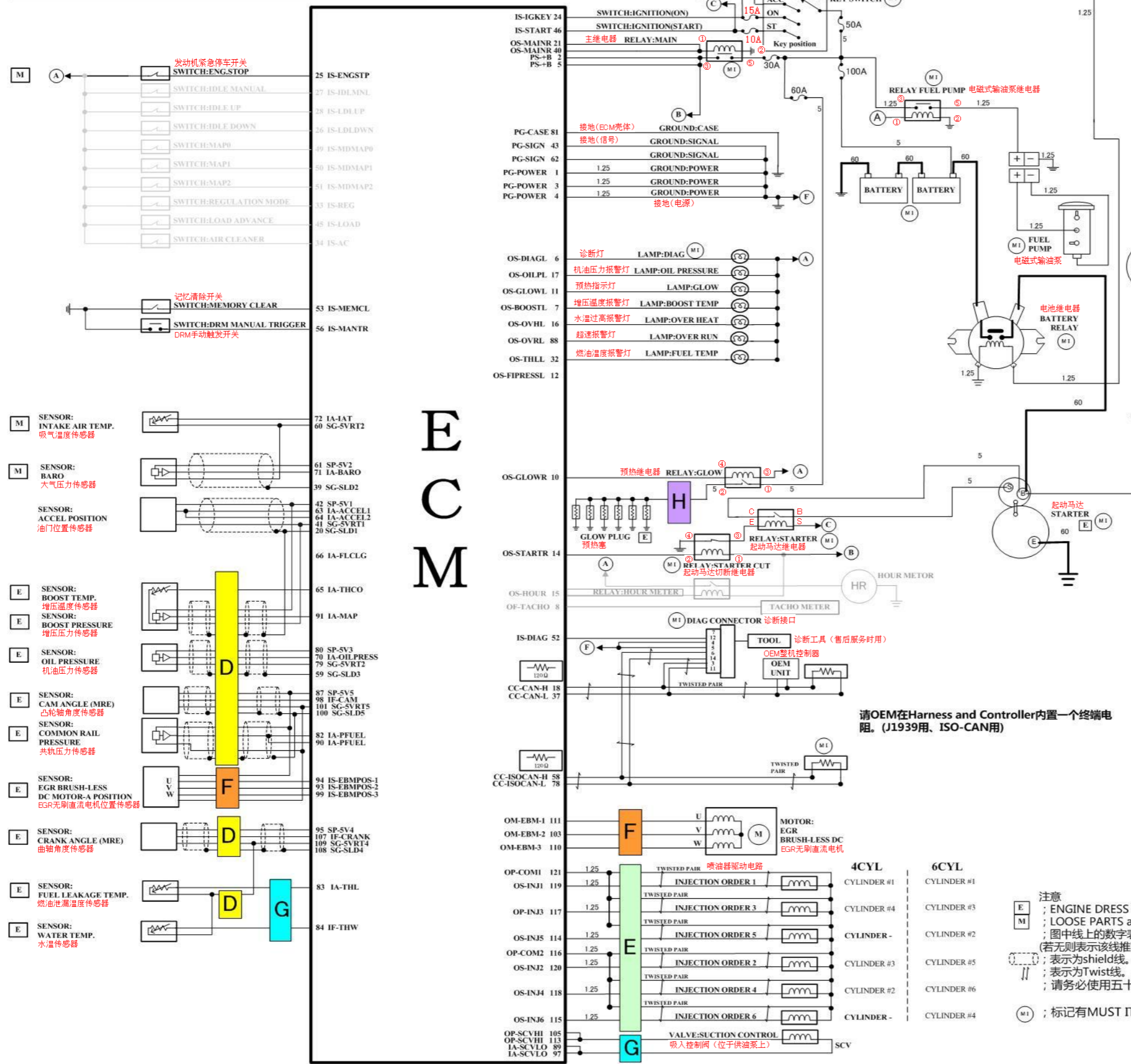


-DIAGRAM FOR 4J, 4H, 6H

2013/1/15
PTC
TD 参考资料



※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)

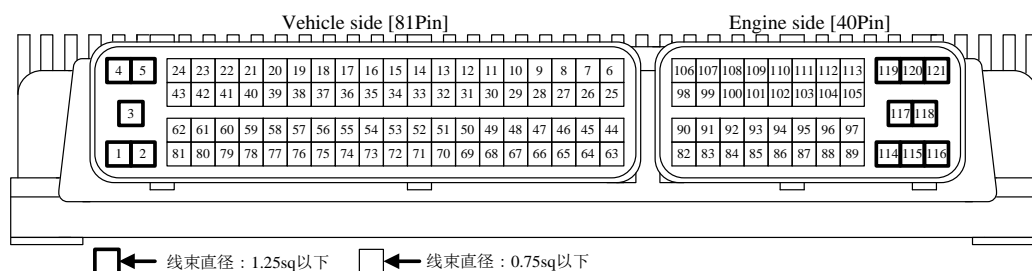
KEY POSITION	TERMINAL	ON	Acc	ST
OFF				
PRE HEAT/ON		○	○	
START		○	○	○

注意
 [E] ; ENGINE DRESS
 [M] ; LOOSE PARTS attach on Machine side
 ; 图中线上的数字表示电线的大小。
 (若无则表示该线推荐0.75sq)
 ; 表示为shield线。与其相连接的车体侧的线也需用Shield线。
 ; 表示为Twist线。与其相连接的车体侧的线也需用Twist线。
 ; 请务必使用五十铃纯正的Relay。
 (M1) ; 标记有MUST ITEM字母的表示该零件必须装备。

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

M4-ECM

:Sep./13/2011



端子	端子名称	端子	端子名称	端子	端子名称
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(仅限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

端子	端子名称	端子	端子名称
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		

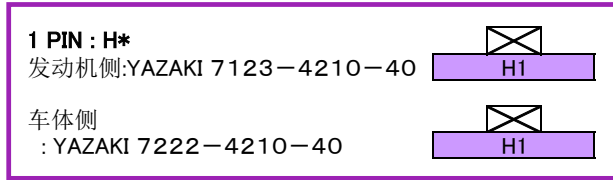
Note

① 端子名称中的「N.C.」是指None Connect, 即不与外部连接的意思。

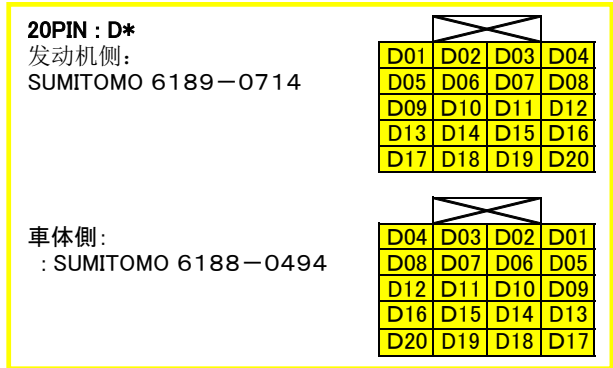
中国3次排放对应 4H/6H/4J (M4-ECM) Engine harness connector PIN array

HE-4335(1)

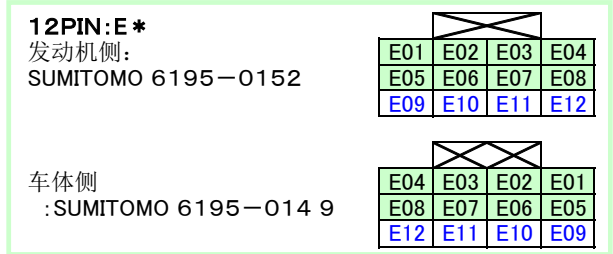
H



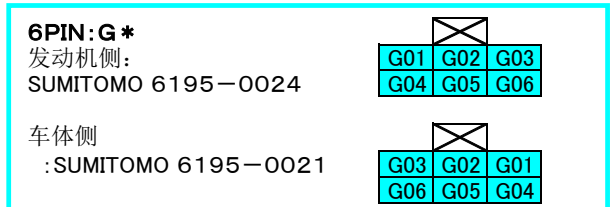
D



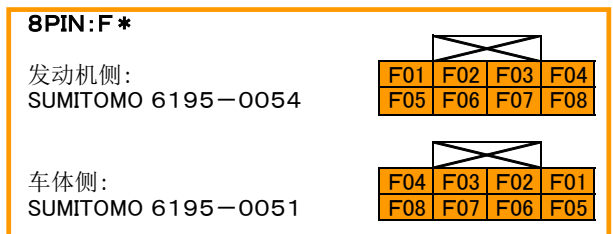
E



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 (仅限6H)	1.25	Twisted pair-5
E10	Injector power supply 1	E121 (仅限6H)	1.25	Twisted pair-5
E11	OS-INJ6 signal (6CYL #4)	E115 (仅限6H)	1.25	Twisted pair-6
E12	Injector power supply 2	E116 *5 (仅限6H)	1.25	Twisted pair-6
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	

←仅限6H
 ←仅限6H
 ←仅限6H
 ←仅限6H

※所示的接插件是从接合面看到的视图。
 其中，上侧为发动机侧接头针脚视图，下侧为车体侧需配置的接头针脚视图。