

16 CONTROL NEGATIVE

DT1

18 BATTERY POSITIVE

BATTERY CHARGER

CU

CU1

SIV 1

SIV 2

OCU U1

OCU U1

0CU 01 0CU 05 A/C1 A/C2 P101

16 CONTROL NEGATIVE



DISPLAY CONTROLLER DISPLAY SIDE

16 CONTROL NEGATIVE

SP1900) ELE	CTRIC	MULTIP	LE UNITS
[ELECT	RICAL	SCHEMA	ATIC
TMS SY	YSTEM	CONFIG	URATION	(12CARS)

DISPLAY CONTROLLER DISPLAY FRONT

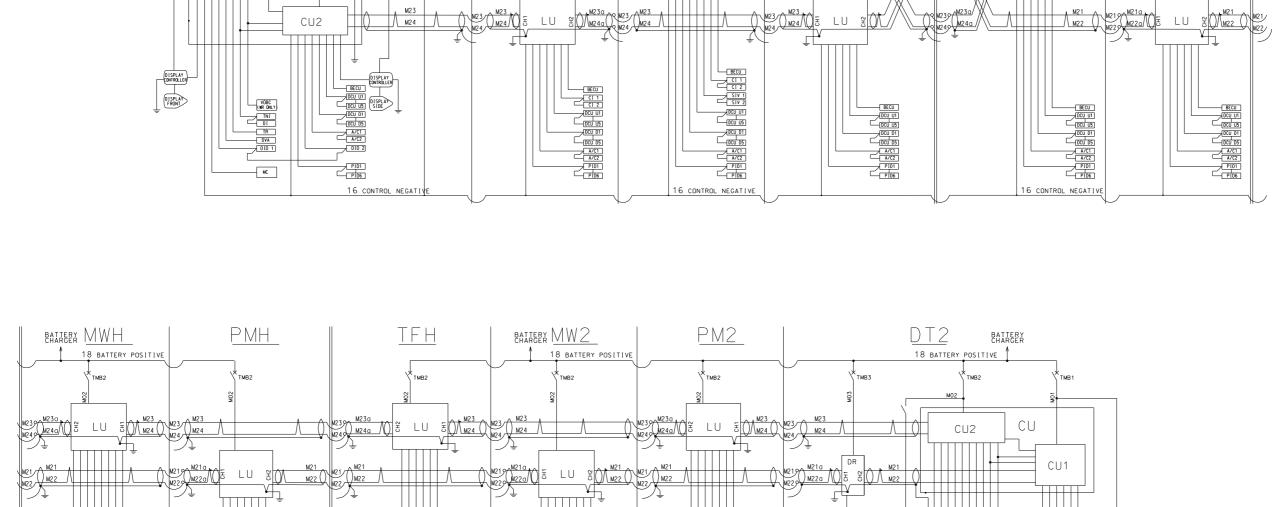
MC

	KCKC	ER	M	A	*		BAOI
	KCRC	ER	РМ2	Α	*		B901
	KCRC	ER	DT2	А	*		B901
	KCRC	ER	TWH	Α	*		B901
	KCRC	ER	TCH	Α	*		B901
	KCRC	ER	TH2	Α	*		B901
	KCRC	ER	MWH	Α	*		B901
	KCRC	ER	PMH	Α	*		B901
	KCRC	ER	TFH	А	*		B901
	KCRC	ER	MW2	А	*		B901
	KCRC	ER	DT1	Α	*		B901
	APPL IED	CAR	CAR TYPE	GROUP	PCS/C	AR	KS DWG. Group No.
SCALE		NT	S @ A1				
ORIGINATOR	OR1	GINA	TOR REFE	RENCE		0R	G REF REV
KS		1-	UB03146-	1			С
RAWING NUM	BER						REV
:D1000	AR/	/Ц	/DD /k	500	۱N		\cap

KCRC ER PM1 A * B901 KCRC ER M A * B901

	KCRC				A	*	IR2
	APPL IED	CAR	ÇAR	TYPE	GROUP	PCS/C	AR KS E
SCALE				A1			
ORIGINATOR	ORIG				RENCE		ORG REF
KS		1-L	B03	146-	1		С
DRAWING NUM	BER						RE\
SP1900	AB/X	Ή/	'n	?/K	500	00	0
RAILWAY	LOCATI	ION	Г	STA	GE	SH	EET N
ED	шті			7			1

NTS	@ A1		
ORIGINAT	OR REFERENCE		ORG REF REV
1-U	303146-1		С
BER			REV
AB/XH/	RR/K50	00	0
LOCATION	STAGE	SH	EET NO
HTL	Z		1
	FI		SIZE A



| SECU | C1 1 | C1 2 |

BATTERY CHARGER

18 BATTERY POSITIVE

| SECU | C1 2 | DCU U1 | DCU U

TWH

TCH

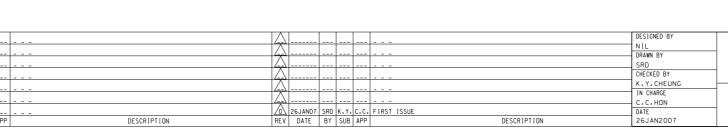
PID1 PID6

18 BATTERY POSITIVE

M23 M23 M24 M24 M24

BATTERY TH2

PM1



DT1

TMB2

18 BATTERY POSITIVE

\<u></u>M22

PID1 PID6

18 BATTERY POSITIVE

16 CONTROL NEGATIVE

E M24 M24 M24

M21 / M210 / M210 / E

| BECU | DCU U1 | DCU U5 | DCU

16 CONTROL NEGATIVE

BATTERY MW2

18 BATTERY POSITIVE

/\ M24

BATTERY CHARGER

CU

VOBC
(WR OMLY)

TNI

DI

TR

DVA

DID 1

- MC

TCH

CU2

CU1

O I SPLAY CONTROLLER D I SPLAY FRONT

9M21 /

PM1

TMB2

M21a / R M21 / M21 M22a / R M22 / M22

M23 / M23 / E

18 BATTERY POSITIVE

M240 M24 LM24

PM2

TMB2

LU

M23 M23 M23 M23 M24 M24 M24

| SECU | C1 1 | C1 2 | DCU U1 | DCU U5 | DCU U5

M229 M22a

M239/M230 M249/M240 1 - 1

| BECU | CI 1 | CI 2 | SIV 1 | SIV 2 | DCU U5 | BCU U5 |

| DCU D1 | DCU D5 | A/C1 | A/C2 | PID1 | PID6 |

BATTERY MHW

M22a 8 M22

| SIV 2| | DCU U1 | | DCU U5 | DCU U5 | DCU U5 | DCU U5 | DCU U5 | | DCU U5 | DCU U

DT2

18 BATTERY POSITIVE

CU2

BATTERY CHARGER

CU

| VOBC | IMP ONLY |
| IMP ONLY |
| TN |
| O |
| BECU |
| DCU U1 |
| DCU U5 |
| DCU 01 |
| DCU 05 |
| A/C1 |
| A/C2 |
| D | D | 2

PID1

CU1

16 CONTROL NEGATIVE



H22

DISPLAY CONTROLLER DISPLAY SIDE

16 CONTROL NEGATIVE

SP1900 ELECTRIC MULTIPLE UNITS ELECTRICAL SCHEMATIC TMS SYSTEM CONFIGURATION (7CARS)

DISPLAY FRONT

TR DVA DID 1

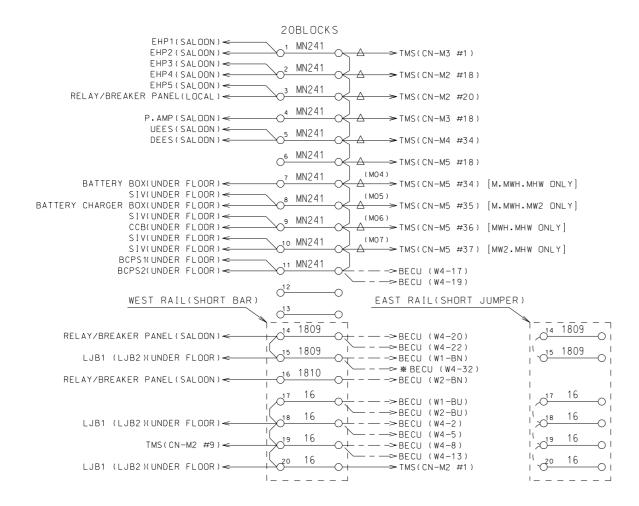
MC MC

	KCRC	WR	MHW	Α	*	B9	0					
	KCRC	WR	TCH	Α	*	B9	0					
	KCRC	WR	MW2	Α	*	B9	90					
	KCRC	WR	РМ1	Α	*	B9	0.					
	KCRC WR		DT1	А	*	B9	0					
	APPL IED	CAR	CAR TYPE	GROUP	PCS/CA	R KS E Groue	WG.					
ALE												
		NT	S @ A1									
RIGINATOR	OR I	0	IRG REF	RE								
KS	1-UB03146-2 c											
AWING NUM	WING NUMBER REV											

KCRC WR DT2 A * B901 KCRC WR PM2 A * B901

SCALE									
	NTS	@ A1							
ORIGINATOR	ORIGINAT	ORIGINATOR REFERENCE							
KS	1 -U6	1-UB03146-2							
	WING NUMBER								
SP1900	AB/XH/	RR/K50	01	0					
RAILWAY	LOCATION	STAGE	SH	EET N					
FR	нті	7		1					

TMS TERMINAL BLOCK (M.MW2.MWH.MHW)



NOTES

1. SYMBOL FOR WIRE TYPES

2. INDICATES SHORT BAR

3. INDICATES SHORT JUMPER

DESCRIPTION

6 0

4. WIRE FINISH FOR TMS-TB SIDE ; (MO4-MO7) TO BE FINISHED WITH DOUBLE RING MARKED MN241.

| O | 26JAN07 | SRD | K.Y. C.C. | FIRST ISSUE | REV | DATE | BY | SUB | APP |

5. WIRE DESTINATION WITH () = MWH.PMH.MW2.PM2

6. EXPLANATION OF BECU LEAD WIRE

CABLE NO. MARK NO.

BECU (W3.1-1)

CABLE No. WIRE(COL)

BECU (W3.1-BU)

DESIGNED BY

CHECKED BY

C.C.HON

26JAN2007

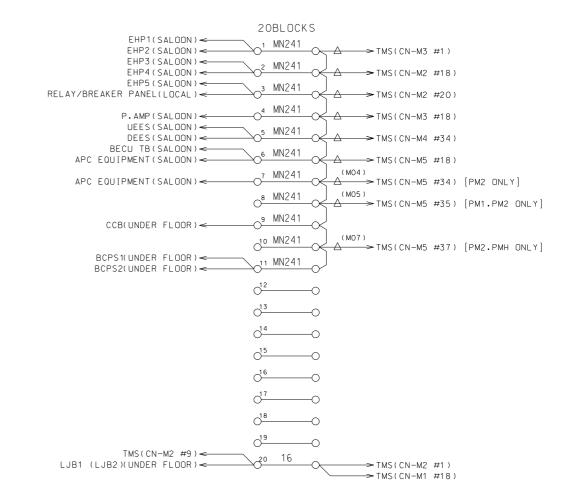
K.Y.CHEUNG

CARBODY SIDE CN .No CONTACT No

7. CONNECT * PART FOR WR ONLY

DESCRIPTION

TMS TERMINAL BLOCK (PM1.PM2.PMH)



COLOR ABBREVIATION

BU BLUE

BN BROWN

(PM1.M.MWH.PMH.MW2.PM2)

KCRC	WR	PM2	В	1	B902
KCRC	WR	MW2	В	1	B902
KCRC	WR	MHW	А	1	B902
KCRC	WR	PM1	Α	1	B902
KCRC	ER	РМН	В	1	B902
KCRC	ER	PM2	В	1	B902
KCRC	ER	РМ1	А	1	B902
KCRC	ER	MWH	В	1	B902
KCRC	ER	MW2	В	1	B902
KCRC	ER	М	Α	1	B902
APPL IED	CAR	CAR TYPE	GROUP	PCS/CAR	KS DWG. Group No.

KCR 運輸部 九廣鐵路 Transport Division

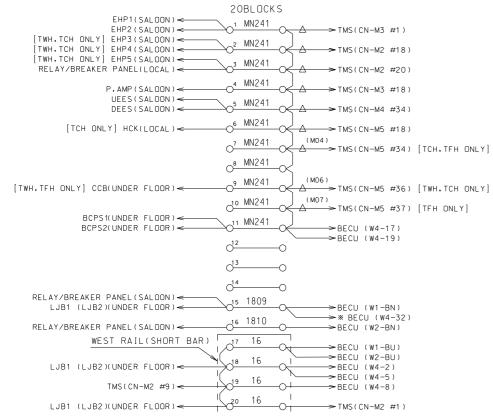
SP1900 ELECTRIC MULTIPLE UNITS
CONNECTION DIAGRAM
TMS TERMINAL DESIGNATION (1/2)

PM1, PM2, M, MWH, PMH,

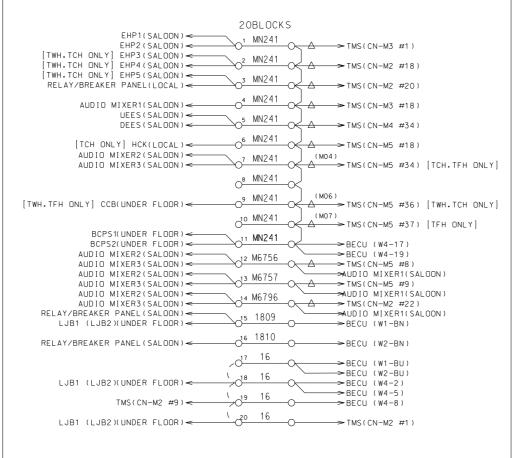
MW2, MHW CAR

NTS @ A1									
ORIGINATOR	ORIGINAT		ORG REF	R					
KS	1-UB	1-UB03762-01							
DRAWING NUM	BER			REV					
SP1900	AB/XK/	RR/M61	21	0					
RAILWAY	WAY LOCATION STAGE SH								
ED	шті	7		1					

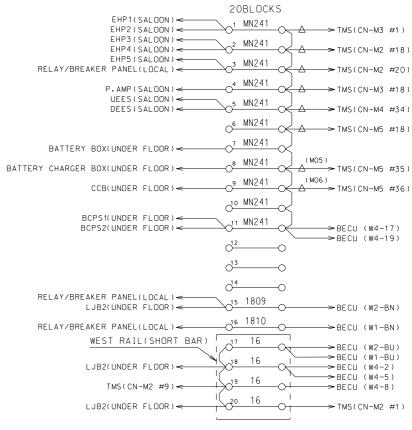
TMS TERMINAL BLOCK (TWH.TCH.TFH)

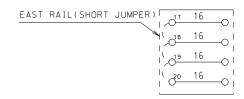


TMS TERMINAL BLOCK



TMS TERMINAL BLOCK





O¹⁸ 16 19 16 16 مح 1. SYMBOL FOR WIRE TYPES

EAST RAIL(SHORT JUMPER)

17 16

- 100G0111-0.75 - 100G0111-1.50 <- ─ - LEAD WIRE FROM BECU
</p> 2. INDICATES SHORT BAR Q 3. INDICATES SHORT JUMPER

4. WIRE FINISH FOR TMS-TB SIDE ; (MO4-MO7) TO BE FINISHED WITH DOUBLE RING MARKED MN241.

5. EXPLANATION OF BECU LEAD WIRE CABLE No. MARK No. BECU (W3.1-1) CABLE No. WIRE(COL) BECU (W3.1-BU) BFCU (X6.1-1)

COLOR ABBREVIATION BU BLUE

BROWN

CARBODY SIDE CN .No CONTACT No

6. CON NECT * PART FOR WR ONLY

SCALE	NTS @ A1									
	APPL IED	CAR	CAR TYPE	GROUP	PCS/CAR	KS DWG. Group No.				
	KCRC	ER	TWH	А	1	B902				
	KCRC	ER	TCH	В	1	B902				
	KCRC	ER	TFH	В	1	B902				
	KCRC	ER	TH2	В	1	B902				
	KCRC	WR	TCH	В	1	B902				

						Δ						DESIGNED BY
						$\overline{\Lambda}$						NIL
4						 						DRAWN BY
Δ						\triangle						SRD
N		l				Δ						CHECKED BY K.Y.CHEUNG
						Λ						K.Y.CHEUNG
4						/ \						IN CHARGE
V		l	l			Δ		l		l l		C.C.HON
-						$\overline{}$						
7						<u> </u>	26JAN07	SRD	K.Y.	C.C.	FIRST ISSUE	DATE
/	DATE	BY	SUB	APP	DESCRIPTION	REV	DATE	BY	SUB	APP	DESCRIPTION	26JAN2007

SP1900 ELECTRIC MULTIPLE UNITS CONNECTION DIAGRAM TMS TERMINAL DESIGNATION (2/2)

TH2, TWH, TCH, TFH CAR

KCR 運輸部

Transport Division

ORIGINATOR ORIGINATOR REFERENCE 1-UB03762-02 SP1900AB/XK/RR/M6122 RAILWAY LOCATION STAGE

4. WITH REMARK © , SOLDER THE POLARIZING CONTACT. 26JAN07 SRD K.Y. C.C. FIRST ISSUE
REV DATE BY SUB APP DESCRIPTION

DESIGNED BY DRAWN BY SRD CHECKED BY K.Y.CHEUNG IN CHARGE C.C.HON

KCR 運輸部 九廣鐵路 Transport Division

SP1900 ELECTRIC MULTIPLE UNITS CONNECTION DIAGRAM TMS LOCAL UNIT PIN ASSIGNMENT (1/11)

KCRC WR PM1 A 1 B902 KCRC ER PM1 A 1 B902 NTS @ A1 ORIGINATOR ORIGINATOR REFERENCE
KS 1-UB04126-01 DRAWING NUMBER SP1900AB/XK/RR/M6110 0 RAILWAY LOCATION STAGE

		TMS-LU		1		TMS-LU		
		CN-M3 (BK)		1		CN-M4 (BU)		
PIN No.	WIRE No.	DESTINATION		PIN	No. WIRE No	. DESTINATION	PIN No.	WIRE
1	MN241	TMS TB		1	*		1	*
2	MP241		<u></u>	2	*		2	*
3	*			3	*		3	M6
4	*			4	M6152	RELAY/BREAKER PANEL	4	M61
5	*			7 5	M6155	UF/ BCPS1	5	M67
6				7 6			6	M67
7				7	M6161	15P TB	7	M61
8				8			8	M61
9	MP241		<	7 9			9	M67
10	M6791	EHPC1		10			10	M60
11	M6792	EHPC2		1	1		11	
12	M6793	EHPC3		1;	M6653	DEES	12	
13	M6794	EHPC4		1.	3 *		13	M64
14	M6795	EHPC5		14	4 *		14	M64
15	*			15	5 *		15	*
16	*			1 10	5 *		16	*
17	*			1 1	7 *		17	*
18	MN241	TMS TB		18	3 0		18	MN
19	*			19	3 **		19	-
20	0			20			20	
21				2	1 M6156	UF/ BCPS2	21	
22				22			22	
23				1 2:			23	
24				2	4		24	
25				25	5		25	
26	M6165	RELAY/BREAKER PANEL		20	5		26	M63
27	M6551	APC EQUIPMENT		2	7		27	
28	M6553	APC EQUIPMENT		28	3		28	M62
29				29	9		29	
30				30			30	
31	0			3	1		31	
32	*			32	2 0		32	*
33	*			3:	3 *		33	(
34	*			3	4 MN241	TMS TB	34	*
35	*			35	M6051	RELAY/BREAKER PANEL	35	M(
36	*			30	M6151	RELAY/BREAKER PANEL	36	*
37	*			3	7 *		37	*
38	*			38	3 *		38	*
39				39	M6160	15P TB	39	
40				40)		40	
41				4	1		41	
42	M6164	UF/CCB		42	2		42	M6.
43				4.	3		43	M63
44	M6552	APC EQUIPMENT		4	4 M6652	UEES	44	M62
45	M6554	APC EQUIPMENT		45			45	M62
46	*			46	5 *		46	*
47	*			4	7 *		47	*
48	*			48	3 M6163	UF/CCB	48	*
49	*			49) *		49	*

50 **

		CN-M5 (GN)						
IN No.	WIRE No.	DESTINATION				PIN No	. WIRE No	
1	*					1	M23	
2	*					2	M23a	
3	M6751	EHPC1				3	*	
4	M6752	EHPC2				4	*	
5	M6753	EHPC3				5	*	
6	M6754	EHPC4				6	M6521	UF
7	M6755	EHPC5				7	M6121	
8	M6756	A-MIXER				8	M6621	
9	M6757	A-MIXER				9	M6631	T
10	M6651	RELAY/BREAKER PANEL				10		T
11						11		
12						12		
13	M6451	UF/CCB				13	*	
14	M6452	UF/CCB	\vdash			14	*	
15	*					15	*	
16	*					16	*	
17	*					17	100	
18	MN241	TMS TB	\vdash			18	M24	
19	0		\vdash			19	M24a	
20						20	0	
21						21		
22						22		
23						23	M6522	UF
24						24	M6122	
25						25	M6622	
26	M6300	PID1	RD-			26	M6632	
27						27		
28	M6200	AIR-CON CONTROL PANEL	RD-		1	28		
29						29		
30				П		30		
31						31		
32	*			П		32	0	
33	0			П		33	*	
34	*					34	*	
35	M05	TMS TB				35	*	
36	*			П		36	*	T
37	*					37	*	
38	*					38	*	
39				П		39	M6500	UF
40						40	M6100	
41						41	M6600	
42	M6321	PID1	ВК-			42	M6605	
43	M6322	PID1	WH-			43		
44	M6221	AIR-CON CONTROL PANEL	Вк-			44		T
45	M6222	AIR-CON CONTROL PANEL	WH-			45		
46	*			П		46	M02	
47	*			П		47	*	T
48	*			П		48	16	
49	*			П		49	*	
50	100		SHI-€	,	5	50	100	T

TMS-LU

CN-M5 (GN)

6	M6521	UF/ CONVERTER INVERTER		1	
7	M6121	15P TB	вк-	Ь	
8	M6621	EDCU-D1	BK-		\Box
9	M6631	EDCU-U1	вк-		
10					
11					
12					
13	*				
14	*				
15	*				
16	*				
17	100	LJB1	SHI +	φ ¢	•
18	M24	LJB1	WH-	П	\top
19	M24a	LJB1	WH-	П	\top
20	0			П	\top
21				Ħ	\top
22				Ħ	\top
23	M6522	UF/ CONVERTER INVERTER	wH-	\forall	+
24	M6122	15P TB	WH-	\vdash	+
25	M6622	EDCU-D1	WH-	\Box	\pm
26	M6632	EDCU-U1	WH-	\Box	\pm
27	M0032	2000 01	****	\Box	+
28					+
29				Н	+
30				H	+
31				\vdash	+
32	0			H	+
33	*			Н	+
34	*			+	+
				\vdash	+
35	*			\vdash	+
36	*		-	\sqcup	+
37	*		-	\sqcup	+
38	* *		00	\vdash	+
39	M6500	UF / CONVERTER INVERTER		_	+
40	M6100	15P TB	RD-		+
41	M6600	EDCU-D1	RD-		
42	M6605	EDCU-U1	RD-		
43					
44					
45					
46	M02	RELAY/BREAKER PANEL	(BK)-	$\sqrt{}$	
47	*			Х	
48	16	RELAY/BREAKER PANEL	(WH) —	_	
49	*				
50	100	EARTH TB			

TMS-LU

CN-M6 (YW)

DESTINATION

LJB1

TMS-LU

CN-M1 (NO COLOUR)

RELAY/BREAKER PANEL

TMS TB

RELAY/BREAKER PANEL

35 M6576 RELAY/BREAKER PANEL

PIN No. WIRE NO. DESTINATION

2 1846 RELAY/BREAKER PANEL

4 M6574 RELAY/BREAKER PANEL

1 M6571

3 1851

5 **

9

11

13 ** 14 **※** 15 **※**

16 ***** 17 *****

18 16

* 20 0

19

24

29 30

33 0 34 M6575

36 ***** 37 *****

38 ***** 39

45 46 ***** 47 *****

48 **

49 💥

50 **

40

44

1. INDICATES SHIELDED CABLE, 1,2,,,,,* ARE CONDUCTORS AND 3 IS SHIELD 5. INDICATES TWISTED CABLE (100G0121-1.50)

TMS-LU

CN-M2 (RD)

TMS TB

LJB1

LJB1

TMS TB

TMS TB

APC EQUIPMENT

24 M6583 UF/ CONVERTER INVERTER

25 M6584 UF/ CONVERTER INVERTER
26 27 28 M6592 APC EQUIPMENT

40 M6798 RELAY/BREAKER PANEL

PIN NO. WIRE NO. DESTINATION

6 M6581 UF/ CONVERTER INVERTER 7 M6582 UF/ CONVERTER INVERTER

1 16

4 90 5 3512

*

16

D03

11 D04

14 ***** 15 *****

16 ***** 17 *****

18 MN241

20 MN241

21 M6596 22 M6796

29 M6593

32 **©** 33 *****

34 MP241

35 MP241

36 MP241 37 M6595 38 *

39 M6797

41 M6091 43 M6491

44 MP241

45 46 ***** 47 💥

49 💥

50 **

48 *

19 0

DESCRIPTION

50 **

2. INDICATES SHORT JUMPER ON CONNECTOR

3. WITH REMARK * , INSERT DUMMY CONTACT.

COLOR ABBREVIATION

BK BLACK

WH WHITE BU BLUE

YW YELLOW GN GREEN

RD RED BROWN ABBREVIATION

PID PASSENGER INFOMATION DISPLAY

UEES UEED ACCESS DETECTION SWITCH

DEES DEED ACCESS DETECTION SWITCH

SHI SHIELD

HTL

PM1 CAR

		TMC	1
		TMS-LU	
		CN-M1 (NO COLOUR)	
	WIRE No.	DESTINATION	
1	*		
2	*		
3	*		
4	*		
5	*		
6			
7			
8			
9			
10			
11			
12			
13	*		
14	*		
15	*		
16	*		
17	*		
18			
19	*		
20	0		
21			
22			
23			
24			
25			
26			
27			
28			
29			
30			
31			
32	*		
33	0		
34	*		
35	*		
36	*		
37	*		
38	*		
39			
40			
41			
42			
43			
44			
45			
46	*		
47	*		
48	*		
49	*		
43	78°		I

		TMS-LU	
		CN-M2 (RD)	
PIN No.		DESTINATION	
1	16	TMS TB	
2	*		
3	*		
4	90	LJB1	
5	*		
6	M6581	UF/ CONVERTER INVERTER	
7	M6582	UF/ CONVERTER INVERTER	
8			
9	16	TMS TB	
10	D03	LJB1	
11	D04	LJB1	
12			
13	*		
14	*		
15	*		
16	*		
17	*		
18	MN241	TMS TB	
19	0		
20	MN241	TMS TB	
21	M6596	UF/CCB	
22	M6796	A-MIXER	
23			
24	M6583	UF/ CONVERTER INVERTER	
25	M6584	UF/ CONVERTER INVERTER	
26			
27			
28			
29			
30			
31			
32	0		
33	*		
34	MP241		<
35	₩ *		<u> </u>
36	MP241		<
37	M6595	UF/CCB	
38	₩ *	3,7000	
39	M6797	RELAY/BREAKER PANEL	
40	M6798	RELAY/BREAKER PANEL	
41	MOIJU		
42			
43	M6491	UF/CCB	
43	MICARI	51,766	
44			
	*		
46	*		
47	*		
	*	I	I
49	*		

		TMS-LU CN-M3 (BK)		
IN No	WIRE No.	DESTINATION	1	
		TMS TB		
1	MN241	IW2 IR	_	
2	MP241		-	}
3	*		-	
4	*		-	
5	*			
6			_	
7			_	
8				
9	MP241		<	J
10	M6791	EHPC1		
11	M6792	EHPC2		
12	M6793	EHPC3		
13	M6794	EHPC4		
14	M6795	EHPC5		
15	*			
16	*			
17	*			
18	MN241	TMS TB		
19	*			
20	0			
21				
22				
23			\top	
24				
25				
26				
27				
28			+	
29				
30			+	
31	0		+	
32	*		+	
33	*		+	
34	*			
35	*			
36	*			
37	*			
38	M6411	UF/BATTERY CHARGER	BK¬	
39	M6411	UF/BATTERY CHARGER	WH-	
40	MIUHIZ	S. / DATIENT CHANGER	1111	
41			+	
41			+	
			+	
43			+	
44			+	
45	L		+	
46	*		+	
47	*		+	
48	*		+	
49	*		1	
50	100		SHI-Ф	

PIN No.	WIRE No.	CN-M4 (BU) DESTINATION	
1	*		
2	*		
3	*		
4	M6152	RELAY/BREAKER PANEL	
5	M6155	UF/ BCPS1	
6			
7	M6161	BECU	
8			
9	M6461	UF/CCB	
10	M6464	UF/BATTERY BOX	
11			
12	M6653	DEES	
13	M6453	UF/SIV	
14	M6456	UF/SIV	
15	*		
16	*		
17	*		
18	0		
19	*		
20			
21	M6156	UF/ BCPS2	
22			
23			
24			
25	M6462	UF/CCB	
26	M6465	UF/BATTERY CHARGER	
27			
28			
29	M6454	UF/SIV	
30			
31			
32	0		
33	*		
34	MN241	TMS TB	
35	*		
36	M6151	RELAY/BREAKER PANEL	
37	*		
38	*		
39	M6160	BECU	
40			
41			
42	M6463	UF/CCB	
43			
44	M6652	UEES	
45			
46	M6455	UF/SIV	
47	*		
48	*		
49	*		
50	*		

IN No.	WIRE No.	CN-M5 (GN) DESTINATION				
1	*	_				
2	*					
3	M6751	EHPC1				
4	M6752	EHPC2				
5	M6753	EHPC3				
6	M6754	EHPC4				
7	M6755	EHPC5				
8	M6756	A-MIXER				
9	M6757	A-MIXER				
10	M6651	RELAY/BREAKER PANEL				
11						
12						
13	M6451	UF/CCB				
14	M6452	UF/CCB				
15	*					
16	*					
17	*					
18	MN241	TMS TB				
19	0					
20						
21						
22						
23						
24						
25						
26	M6300	PID1	RD-	1		
27				Г		
28	M6200	AIR-CON CONTROL PANEL	RD-	F	1	
29				T	Т	
30	M6400	UF/S[V	RD-	F	F	1
31					Г	
32	*				Г	
33	0					
34	M04	TMS TB		Γ	Γ	
35	M05	TMS TB		Γ	Γ	
36	*					
37	*					
38	*					
39						
40						
41						
42	M6321	PID1	ВК-	Г	Г	
43	M6322	PID1	WH-	Г	Г	
44	M6221	AIR-CON CONTROL PANEL	ВК-	F	Г	
45	M6222	AIR-CON CONTROL PANEL	WH-	F	Γ	
46	M6421	UF/S[V	Вк-	F	F	
47	M6422	UF/SIV	WH-	F	F	
48	*				T	
49	*			Г	T	
50	100		SH1-	5.	5.	5

OTN No	WIDE No	CN-M6 (YW)	
	WIRE No.		DNI
1	M21a	LJB1	BN-
2	M21	LJB1	BN
3	*		
4	*		
5	*		B.,
6	M6521	UF/ CONVERTER INVERTER	
7	M6121	BECU	BK-
8	M6621	EDCU-D1	BK H
9	M6631	EDCU-U1	BK-
10			
11			
12			
13	*		
14	*		
15	*		
16	*		
17	100		SHI + + + > + +
18	M22a	LJB1	WH-
19	M22	LJB1	WH—
20	0		
21			
22			
23	M6522	UF/ CONVERTER INVERTER	WH
24	M6122	BECU	WH-
25	M6622	EDCU-D1	WH-
26	M6632	EDCU-U1	WH-
27			
28			
29			
30			
31			
32	0		
33	*		
34	*		
35	*		
36	*		
37	*		
38	*		
39	M6500	UF/ CONVERTER INVERTER	RD
40	M6100	BECU	RD-
41	M6600	EDCU-D1	RD-
42	M6605	EDCU-U1	RD-
43			
44			
45			
46	M02	RELAY/BREAKER PANEL	(BK) ¬ _
47	*		1 ¥
48	16	RELAY/BREAKER PANEL	(WH) - 1
49	*		
50	100	EARTH TB	

1. INDICATES SHIELDED CABLE, 1.2,....* ARE CONDUCTORS AND 3 IS SHIELD 5. INDICATES TWISTED CABLE (100G0121-1.50)

2. INDICATES SHORT JUMPER ON CONNECTOR

3. WITH REMARK *, INSERT DUMMY CONTACT.

4. WITH REMARK ©, SOLDER THE POLARIZING CONTACT.

COLOR ABBREVIATION

BK BLACK WH WHITE

BU BLUE YW YELLOW GN GREEN

RD RED BN BROWN ABBREVIATION

PID PASSENGER INFOMATION DISPLAY UEES UEED ACCESS DETECTION SWITCH DEES DEED ACCESS DETECTION SWITCH

SHI SHIELD

١,	ΛT				Λ						DESIGNED BY
۲	~ -	 		 	/\	·					NIL
4		 		 	4						DRAWN BY
1 4	<u> </u>	 		 	Д						SRD
	ΔI_{-}	 		 	Δ						CHECKED BY
: [\wedge				Λ						K.Y.CHEUNG
1	<u>V, I.</u>	 			Λ						IN CHARGE
1	 -} -	 		 	4	·					C.C.HON
1 2	_	 		 	20	26JAN07	SRD	Κ.Υ.	c.c.	FIRST ISSUE	DATE
			SUB		REV			SUB		DESCRIPTION	26JAN2007



SP1900 ELECTRIC MULTIPLE UNITS CONNECTION DIAGRAM TMS LOCAL UNIT PIN ASSIGNMENT (2/11)

M CAR

	KCRC ER	М	Α	1	B902
	APPLIED CAR	CAR TYPE	GROUP	PCS/CA	KS DWG. CROUP No.
SCALE					
	NI	S @ A1			
ORIGINATOR	ORIGINA	TOR REFE	RENCE	0	RG REF REV
KS	1-U	B04126-0)2		a
DRAWING NUM	BER				REV
SP1900	AR/XK/	RR/N	161	1 1 l	Λ
31 1300	AD/ AIV	11117	VIO I	1 1	U
RAILWAY	LOCATION	STA	GE	SHE	ET NO
ER	HTL	Z			1

		TMS-LU			TMS-LU		_		TMS-LU		
		CN-M1 (NO COLOUR)			CN-M2 (RD)				CN-M3 (BK)		
No.	WIRE No.	DESTINATION	PIN No.	WIRE No.	DESTINATION		PIN No.	WIRE No.	DESTINATION		
1	*		1	16	TMS TB		1	MN241	TMS TB		
2	*		2	*			2	MP241		_	
3	*		3	*			3	*		\perp	
1	*		4	90	LJB1		4	*		+	
5	*		5	*			5	*		+	
5			6				6			+	
3			7 8				8			+ -	
3			9	16	TMS TB			MP241			
0			10	D03	LJB1		10	M6791	EHPC1	+	
1			11	D04	LJB1		11	M6792	EHPC2		
2			12	M6070	HOSTLER PANEL		12	M6793	EHPC3		
3	*		13	*			13	M6794	EHPC4		
4	*		14	*			14	M6795	EHPC5		
5	*		15	*			15	*			
6	*		16	*			16	*			
7	*		17	*			17	*			
8	*		18	MN241	TMS TB		18	MN241	TMS TB	-	
9	*		19	0	THE TO		19	*		_	
0	0		20	MN241	TMS TB		20	0		+	
2			22	M6796	A-MIXER		22			+	
3			23	MOTO	A MINEN		23				
4			24				24				
5			25				25				
6			26				26				
7			27				27				
8			28				28				
9			29				29				
0			30				30			+	
1	\ V		31				31	0			
2	<u>*</u>		32	0			32	* *			
4	*		34	MP241		-	34	* *		+	
5	*		35	IVII Z T I			35	*			
6	*		36	MP241		—	36	*			
7	*		37	*			37	*			
8	*		38	*			38				
9			39	M6797	RELAY/BREAKER PANEL		39				
0			40	M6798	RELAY/BREAKER PANEL		40				
1			41				41			+	
2			42	MC 404	HE (CCB		42			+	
3			43	M6491	UF/CCB		43				
5			44				45	 		+	
6	*		46	*			46	*		+	
7	*		47	*			47	*		+	
8	*		48	*			48	*			
9	*		49	*			49	*			
0	*		50	*			50				
		NOTES									

26JANOT SRD K.Y. C.C. FIRST ISSUE

		CN-M4 (BU)	
	WIRE No.	DESTINATION	
1	*		
2	*		
3	*		
4	M6152	RELAY/BREAKER PANEL	
5	M6155	UF/ BCPS1	
6			
7	M6161	BECU	
8			
9			
10			
11			
12	M6653	DEES	
13	*		
14	*		
15	*		
16	*		
17	*		
18	0		
19	*		
20			
21	M6156	UF/ BCPS2	
22			
23			
24			
25			
26			
27			
28			
29			
30	M6457	UF/ CCB	
31			
32	0		
33	*		
34	MN241	TMS TB	
35			
36	M6151	RELAY/BREAKER PANEL	
37	*		
38	*		
39	M6160	BECU	
40			
41			
42			
43			
44	M6652	UEES	
45			
46			
47	*		
48	*		
49	*		
50	*		

0111 **	MIDE	CN-M5 (GN)	T
	WIRE No.	DESTINATION	
1	*		
2	※		
3	M6751	EHPC1	
4	M6752	EHPC2	
5	M6753	EHPC3	
6	M6754	EHPC4	
7	M6755	EHPC5	
8	M6756	A-MIXER	
9	M6757	A-MIXER	
10	M6651	RELAY/BREAKER PANEL	
11			
12			
13			
14			
15	*		
16	*		
17	*		
18	MN241	TMS TB	
19	0		
20			
21			
22			
23			
24			
25			
26	M6300	PID1	RD¬
27			
28	M6200	AIR-CON CONTROL PANEL	RD-
29			
30			
31			
32	*		
33	0		
34	*		
35	*		
36	M06	TMS TB	
37	*		
38	*		
39			
40			
41			
42	M6321	PID1	BK-
43	M6322	PID1	WH-
44	M6221	AIR-CON CONTROL PANEL	вк—
45	M6222	AIR-CON CONTROL PANEL	WH
46	*		
47	*		
48	*		
49	*		
50	100		SHI -

		CN-M6 (YW)	_			
	WIRE No.	DESTINATION				
1	M23	LJB1	BN-			
2	M23a	LJB1	BN-	7		
3	*			\perp		
4	*			\perp		
5	*			\perp		
6				\perp		
7	M6121	BECU	BK-	\pm	1_	
8	M6621	EDCU-D1	BK-			
9	M6631	EDCU-U1	BK-	\pm		Ь
10						
11						
12						
13	*					
14	*					
15	*					
16	*			I		
17	100		SHI-¢	•	\sum	•
18	M24	LJB1	WH-	I		
19	M24a	LJB1	WH-	J		
20	0				Γ	
21						
22						П
23						
24	M6122	BECU	WH-		+	
25	M6622	EDCU-D1	WH-			П
26	M6632	EDCU-U1	WH-			Н
27						П
28						П
29						
30						П
31						П
32	0					
33	*					П
34	*				Т	П
35	*					
36	*				Γ	
37	*				Γ	
38	*				I	
39						
40	M6100	BECU	RD-	Ξ	\Box	
41	M6600	EDCU-D1	RD-	Ξ	Ξ	
42	M6605	EDCU-U1	RD-	Ξ	Ξ	_
43						
44						
45						
46	M02	RELAY/BREAKER PANEL	(BK) —	٦/	
47	*				X	
48	16	RELAY/BREAKER PANEL	(WH) —	/_	
49	*					
50	100	EARTH TB				

00G0121-1.50)

NIL
DRAWN BY
SRD
CHECKED BY
K.Y.CHEUNG

IN CHARGE
C.C.HON
DATE
26JAN2007

DESCRIPTION

2. INDICATES SHORT JUMPER ON CONNECTOR

3. WITH REMARK * INSERT DUMMY CONTACT.

DESCRIPTION

4. WITH REMARK O. SOLDER THE POLARIZING CONTACT.

COLOR ABBREVIATION

BK BLACK WH WHITE BU BLUE

YW YELLOW GN GREEN

BN BROWN

KCR 運輸部 九廣鐵路 Transport Division

ABBREVIATION

PID PASSENGER INFOMATION DISPLAY UEES UEED ACCESS DETECTION SWITCH

DEES DEED ACCESS DETECTION SWITCH SHI SHIELD

SP1900 ELECTRIC MULTIPLE UNITS

CONNECTION DIAGRAM TMS LOCAL UNIT PIN ASSIGNMENT (3/11) TWH CAR

		ΕR	TWH		Α	A 1		В91	02
	APPL IED	CAR	CAR	TYPE	GROUP	PCS/C	AR	KS D Group	NG. No.
SCALE		NT	S @	A1					
ORIGINATOR ORIGINATOR REFERENCE						OR.	G REF	REV	
KS		1 -U	B04	126-0	13			а	
DRAWING NUM	BER							REV	
SP1900AB/XK/RR/M6112				12		0			
RAILWAY	LOCAT	ION	Г	STA	GE	SH	EE	T N	0
ER	нті	_		Ζ				1	

		TMS-LU		
	luine u	CN-M3 (BK)	_	
	WIRE No.	DESTINATION	_	
1	MN241	TMS TB	_	
2	MP241		<	
3	*			
4	*			
5	*			
6				
7				
8				
9	MP241		<	J
10	M6791	EHPC1		
11	M6792	EHPC2		
12	M6793	EHPC3		
13	M6794	EHPC4		
14	M6795	EHPC5		
15	M5092	RELAY/BREAKER PANEL		
16	*			
17	*			
18	MN241	TMS TB		
19	*			
20	0			
21				
22				
23				
24				
25				
26				
27				
28				
29				
30				
31	0			
32	*			
33	*			
34	*			
35	*			
36	*			
37	*			
38				
39				
40				
41				
42				
43				
44				
45				
46	*			
47	*			
48	*			
49	*			
50	*			

PIN No	WIRE No.	CN-M4 (BU) DESTINATION	
1	WILLE NO.	PESITINALION	
2	*		
3	*		
4	M6152	RELAY/BREAKER PANEL	
5	M6155	UF/BCPS1	
6	WOTJJ	01700131	
7	M6161	BECU	
8	MOTOT	52.00	
9			
10			
11			
12	M6653	DEES	
13	*		
14	*		
15	*		
16	*		
17	*		
18	0		
19	*		
20			
21	M6156	UF/ BCPS2	
22			
23			
24			
25			
26			
27			
28			
29			
30	M6457	HCK	
31			
32	0		
33	*		
34	MN241	TMS TB	
35	*		
36	M6151	RELAY/BREAKER PANEL	
37	*		
38	*		
39	M6160	BECU	
40			
41			
42			
43	MCCEO	HESC	-
44	M6652	UEES	
45			
46	*		
48	*		
49	*		
50	*		

		TMS-LU		
O I N No	WIDE No.	CN-M5 (GN)		
	WIRE No.	DESTINATION	-	
1	*		-	
2	*		-	
3	M6751	EHPC1		
4	M6752	EHPC2		
5	M6753	EHPC3		
6	M6754	EHPC4		
7	M6755	EHPC5		
8	M6756	A-MIXER		
9	M6757	A-MIXER		
10	M6651	RELAY/BREAKER PANEL		
11				
12				
13				
14				
15	*			
16	*			
17	*			
18	MN241	TMS TB		
19	0			
20				
21				
22				
23				
24				
25				
26	M6300	PID6	RD-	
27				
28	M6200	AIR-CON CONTROL PANEL	RD-	1
29				
30				
31				
32	*			
33	0		_	
34	M04	TMS TB		
35	*			
36	M06	TMS TB	+	
37	*		+	
38	*		+	1
39				
40			+	
41			+	
42	M6321	PID6	ВК-	1
43	M6321	PID6	WH-	1
44	M6221	AIR-CON CONTROL PANEL	BK-	
45	M6222	AIR-CON CONTROL PANEL	WH	
	M6222 ※	AIN-CON CONTROL PANEL	WIT	
46			++	-
47	*		++	-
48	*		++	
49	*			
50	100		SHI-	ච

		IMS-LU	
IN No	שוחר אי-	CN-M6 (YW)	1
	WIRE No.	DESTINATION	DA.
1	M23	LJB2	BN-
2	M23a	LJB2	BN
3	*		
4	*		
5	*		
6			
7	M6121	BECU	BK++
8	M6621	EDCU-D5	вк-
9	M6631	EDCU-U5	BK H
10			
11			
12			
13	*		
14	*		
15	*		1 1 1 1 1 1
16	*		
17	100		SHI + + 5 + +
18	M24	LJB2	WH-
19	M24a	LJB2	WH-
20	M240	2002	1011
21	- V		+ ++
			+
22			1 11
23	NC400		
24	M6122	BECU	WH-
25	M6622	EDCU-D5	WH
26	M6632	EDCU-U5	WH
27			
28			
29			
30			
31			
32	0		
33	*		
34	*		
35	*		
36	*		
37	*		1 111
38	*		1 11
39			
40	M6100	BECU	RD-
41	M6600	EDCU-D5	RD-
42	M6605	EDCU-U5	RD-
43	MICOCO	2000 00	1.0
43			
45	M02	DEL 44 (DDE 1//50 211/5)	(DK)
46	M02	RELAY/BREAKER PANEL	(BK)-V-
47	*		1,,,,,,
48	16	RELAY/BREAKER PANEL	(MH) — / _
49	*		1
50	l 100 l	EARTH TB	

1. INDICATES SHIELDED CABLE, 1,2,,,,* ARE CONDUCTORS AND 3 IS SHIELD 5. INDICATES TWISTED CABLE (100G0121-1.50)

TMS-LU

CN-M2 (RD)

TMS TB

DESTINATION

PIN No. WIRE No.

2—

TMS-LU

CN-M1 (NO COLOUR)

PIN No. WIRE NO. DESTINATION

- 2. INDICATES SHORT JUMPER ON CONNECTOR
- 3. WITH REMARK *, INSERT DUMMY CONTACT.
- 4. WITH REMARK SOLDER THE POLARIZING CONTACT.

COLOR ABBREVIATION

BK BLACK

WH WHITE

BU BLUE

YW YELLOW GN GREEN

RD RED

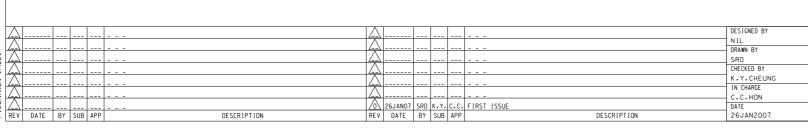
ABBREVIATION

PID PASSENGER INFOMATION DISPLAY

UEES UEED ACCESS DETECTION SWITCH

DEES DEED ACCESS DETECTION SWITCH

SHI SHIELD





SP1900 ELECTRIC MULTIPLE UNITS CONNECTION DIAGRAM TMS LOCAL UNIT PIN ASSIGNMENT (4/11)

TCH CAR

KCRC WR TCH A 1 B902 KCRC ER TCH A 1 B902 APPLIED CAR CAR TYPE GROUP PCS/CAR KS DMG. (ROUP NO.) NTS @ A1 ORIGINATOR REFERENCE 1-UB04126-04 ORIGINATOR KS |SP1900AB/XK/RR/M6113| 0 RAILWAY LOCATION STAGE HTL

		TMS-LU	 TMS-LU						
		CN-M1 (NO COLOUR)			CN-M2 (RD)				
No.	WIRE No.	DESTINATION	PIN No.	WIRE No.	DESTINATION				
1	*		1	16	TMS TB				
2	*		2	*					
3	*		3	*					
4	*		4	90	LJB2	+			
5	*		5	*		+			
6			6			+			
7			7			+			
8			8			+			
9			9	16	TMS TB	+			
0			10	D03	LJB2	+			
11			11	D03	LJB2	+			
12				-		+			
	**		12	M6070	HOSTLER HANEL	+			
13	*		13	*		+			
14	*		14	*		-			
15	*		15	*		+-			
16	*		16	*		_			
17	*		17	*		_			
8	*		18	MN241	TMS TB	_			
19	*		19	0					
20	0		20	MN241	TMS TB				
21			21						
22			22	M6796	A-MIXER				
23			23						
24			24						
25			25						
26			26						
27			27						
28			28						
29			29						
30			30			T			
31			31						
32	*		32	0		1			
33	0		33	*		+			
34	*		34	MP241		-			
35	*		35	1411 2 7 1		+	\vdash		
36	*		36	MP241		<			
37	*		37	₩ *		+~			
38	*		38	*		+			
39	765		39	M6797	RELAY/BREAKER PANEL	+			
10			40	M6798	RELAY/BREAKER PANEL	+			
41			41	MOTTO	RELAT/DREAKER PANEL	+			
						+			
12			42	115 40 4		_			
13			43	M6491	UF/CCB	+			
14			 44			+-			
15			 45	L		+-			
16	*		46	*		1			
17	*		47	*		1			
18	*		48	*		1			
19	*		49	*					
50	*		50	*					

PIN No	WIRE No.	CN-M3 (BK) DESTINATION	Т	
1	MN241	TMS TB	+	
2	MP241	TM3 TD	_	
3	* *		+	
4	*		+	_
5	*		+	_
6	- AN		+	
7			+-	_
8			+-	_
9	MP241		_	
10	M6791	EHPC1	+	
11	M6792	EHPC2	+	
12	M6793	EHPC3	+	
13	M6794	EHPC4	+	
14	M6795	EHPC5		
15	*			
16	*			
17	*		\top	
18	MN241	TMS TB		
19	*			
20	0			
21				
22				
23				
24				
25				
26				
27				
28				
29				
30			_	
31	0			
32	*		_	
33	*		+	
34	*		+	
35	*		_	
36 37	*		+	
	₩ MC 411	UF/BATTERY CHARGER	DV	
38 39	M6411 M6412	UF/BATTERY CHARGER	BK-	
40	M0412	UF7BATTERT CHARGER	WITT	
41				
42			+	
43			+	
44			+	
45			+	
46	*		+	
47	*		+	
48	*		+	
49	*		+	
50	100		SH1-€)

49	*		
48	₩ *	017000	
46	M6458	UF/CCB	1
45 46			
44	M6652	UEES	
43			
42	M6463	UF/CCB	
41			
40			
39	M6160	BECU	
38	*		
37	*		
36	M6151	RELAY/BREAKER PANEL	
35	*		
34	MN241	TMS TB	
33	*		
32	0		
31			
30	M6457	UF/CCB	
29			
28			
27			
26	M6465	UF/BATTERY CHARGER	
25			
24			
23			
22			
21	M6156	UF/BCPS2	
20			
19	*		
18	0		
17	*	<u> </u>	
16	*		
15	*		
14	*		
13	*		
12	M6653	DEES	
11			
10	M6464	UF/BATTERY BOX	
9	M6461	UF/CCB	
8			
7	M6161	BECU	
6			
5	M6155	UF/ BCPS1	
4	M6152	RELAY/BREAKER PANEL	
3	*		
2	*		
1	*	5201111111011	
	WIRE No.	DESTINATION	1

		CN-M5 (GN)		
PIN No.	WIRE No.	DESTINATION		
1	*			
2	*			
3	M6751	EHPC1		
4	M6752	EHPC2		
5	M6753	EHPC3		
6	M6754	EHPC4		
7	M6755	EHPC5		
8	M6756	A-MIXER		
9	M6757	A-MIXER		
10	M6651	RELAY/BREAKER PANEL		
11				
12				
13	M6451	UF/CCB		
14	M6452	UF/CCB		
15	*			
16	*			
17	*			
18	MN241	TMS TB		
19	0			
20				
21				
22				
23				
24				
25				
26	M6300	PID6	RD-	
27				
28	M6200	AIR-CON CONTROL PANEL	RD-	
29				
30				
31				
32	*			
33	0			
34	*			
35	M05	TMS TB		
36	M06	TMS TB		
37	*			
38	*			
39				
40				
41				
42	M6321	PID6	ВК-	
43	M6322	PID6	WH-	
44	M6221	AIR-CON CONTROL PANEL	вк-	
45	M6222	AIR-CON CONTROL PANEL	WH-	
46	*			
47	*			
48	*		\Box	
49	*			
50	100		SHI -	
			1	

	TMS-LU					TMS-LU					
	CN-M5 (GN)					CN-M6 (YW)					
WIRE No.	DESTINATION			PIN No.	WIRE No.	DESTINATION					
*				1	M21a	LJB2	BN¬				
*				2	M21	LJB2	BN-	_			
M6751	EHPC1			3	*						
M6752	EHPC2			4	*						\neg
M6753	EHPC3			5	*						\neg
M6754	EHPC4			6							
M6755	EHPC5			7	M6121	BECU	вк-	+			
M6756	A-MIXER			8	M6621	EDCU-D5	Вк-		ħ		\neg
M6757	A-MIXER			9	M6631	EDCU-U5	Вк-	+	Ħ	$\overline{}$	
M6651	RELAY/BREAKER PANEL			10					П	T	\neg
				11					П	T	
				12				T	\top	Т	\neg
M6451	UF/CCB			13	*			\top	\sqcap	\top	
M6452	UF/CCB			14	*				П	T	
*				15	*				Ħ	\top	
*				16	*			T	\sqcap	\top	
*				17	100		SH1-¢	-	54	4	
MN241	TMS TB			18	M22a	LJB2	WH-	\top	ſΤ	\top	
0				19	M22	LJB2	WH-		Ħ	\top	
				20	0				П	\top	
				21					Ħ	T	
				22					Ħ	\top	
				23					Ħ	\top	\neg
				24	M6122	BECU	WH-		Ħ	\top	\neg
				25	M6622	EDCU-D5	WH-		Ħ	\top	\neg
M6300	PID6	RD-		26	M6632	EDCU-U5	WH-		Ħ	+	$\overline{}$
				27					Ħ	\top	
M6200	AIR-CON CONTROL PANEL	RD-		28					Ħ	+	\neg
				29					Ħ	\top	
				30					Ħ	+	\neg
				31					Ħ	+	\neg
*				32	0				Ħ	\top	
0				33	*				Ħ	$^{+}$	\neg
*				34	*				Ħ	$^{+}$	\neg
M05	TMS TB			35	*				Ħ	\top	\neg
M06	TMS TB	Ш		36	*				\forall	\top	\neg
*				37	*				Ħ	\top	\neg
*				38	*				\forall	\top	\neg
				39					\sqcap	\top	\neg
				40	M6100	BECU	RD-		十	+	\neg
				41	M6600	EDCU-D5	RD-		\exists	T	\neg
M6321	PID6	вк-		42	M6605	EDCU-U5	RD-		_	\pm	\neg
M6322	PID6	WH-		43							\neg
M6221	AIR-CON CONTROL PANEL	BK-	_	44							\neg
M6222	AIR-CON CONTROL PANEL	WH-	_	45			1			_	\neg
*		П	1	46	M02	RELAY/BREAKER PANEL	(BK) —	_	_	\neg
*		П		47	*		1		X	_	\neg
*				48	16	RELAY/BREAKER PANEL	(WH) —	Ψ.	_	\neg
*				49	*						
100		SHI-	-	50	100	EARTH TB					\neg
											_

1. INDICATES SHIELDED CABLE, 1,2,..., * ARE CONDUCTORS AND 3 IS SHIELD

5. INDICATES TWISTED CABLE (100G0121-1.50)

DESCRIPTION

2. INDICATES SHORT JUMPER ON CONNECTOR

2 ←

3. WITH REMARK * INSERT DUMMY CONTACT.

DESCRIPTION

4. WITH REMARK • . SOLDER THE POLARIZING CONTACT.

DESIGNED BY

SRD CHECKED BY K.Y.CHEUNG

IN CHARGE C.C.HON DATE

COLOR ABBREVIATION BLACK WHITE ΒU BLUE ΥW YELLOW GN GREEN RD RED

ABBREVIATION

PID PASSENGER INFOMATION DISPLAY UEES UEED ACCESS DETECTION SWITCH DEES DEED ACCESS DETECTION SWITCH

SHI SHIELD

SP1900 ELECTRIC MULTIPLE UNITS CONNECTION DIAGRAM

KCRC ER TH2 A 1 B902 NTS @ A1
ORIGINATOR REFERENCE
1-UB04126-05 ORIGINATOR KS
DRAWING NUMBER SP1900AB/XK/RR/M61 RAILWAY LOCATION

	<u>CR</u>	運輸部
九廬	賃鐵路	Transport Division

TMS LOCAL UNIT PIN ASSIGNMENT (5/11) TH2 CAR

		TMS-LU				TMS-LU	
		CN-M1 (NO COLOUR)				CN-M2 (RD)	
PIN No.	WIRE No.	DESTINATION	PIN N	n. 1	WIRE No.	DESTINATION	
1	**	DESTINATION	1		16	TMS TB	
2	*		2	+	*	1.110	
3	*		3	+	*		
4	*		4	+	90	LJB2	
5	*		5	+	*	2002	
6	76		6	+	M6581	UF/ CONVERTER INVERTER	
7			7	+	M6582	UF / CONVERTER INVERTER	
8			8	+	MOJOZ	OF CONTENTEN INVENTER	
9			9	+	16	TMS TB	
10			10	$^{+}$	D03	LJB2	
11			11	-	D03	LJB2	
12			12	_	M6070	HOSTLER PANEL	
13	*		13	-	*		
14	*		14	_	*		
15	*		15		*		
16	*		16	_	*		
17	*		17	_	*		
18	<u> </u>		18		MN241	TMS TB	
19	*		19	_	0	· · · ·	
20	0		20	_	MN241	TMS TB	
21	Ť		21	_	M6596	UF/CCB	
22			22	-	M6796	A-MIXER	
23			23	_			
24			24	-	M6583	UF / CONVERTER INVERTER	
25			25	_	M6584	UF / CONVERTER INVERTER	
26			26				
27			27				
28			28	_			
29			29				
30			30	_			
31			31	Ť			
32	*		32	-	0		
33	0		33		*		
34	*		34	T	MP241		<
35	*		35		*		
36	*		36	T	MP241		<
37	*		37	T	M6595	UF/CCB	
38	*		38		*		
39			39		M6797	RELAY/BREAKER PANEL	
40			40		M6798	RELAY/BREAKER PANEL	
41			41	T			
42			42				
43			43	T	M6491	UF/CCB	
44			44	T			
45			45				
46	*		46	T	*		
47	*		47		*		
48	*		48		*		
49	*		49	T	*		
	*		50		*		

		TMS-LU CN-M3 (BK)		
DIN No	WIRE No.	DESTINATION	1	
1	MN241	TMS TB	+	
2	MP241	IMS ID	-	
3	₩F241		+	1
4	*			
5	*			
6	*		+	
7			+	
8			+	
9	MP241		=	
10	M6791	EHPC1	+	
11	M6792	EHPC2	+	
12	M6793	EHPC3	+	
13	M6794	EHPC4		
14	M6795	EHPC5	+	
15	*		+	
16	*		+	
17	*			
18	MN241	TMS TB	_	
19	*		+	
20	0			
21				
22				
23				
24				
25				
26				
27				
28			1	
29				
30				
31	0			
32	*			
33	*			
34	*			
35	*			
36	*			
37	*			
38	M6411	UF/BATTERY CHARGER	BK-	
39	M6412	UF/BATTERY CHARGER	WH-	
40				
41				
42				
43				
44				
45				
46	*			
47	*			
48	*			
49	*			
50	100		SHI -	b

IN No	WIRE No.	CN-M4 (BU) DESTINATION	
1	**************************************	SESTIMATION	
2	*		
3	*		
4	M6152	RELAY/BREAKER PANEL	
5	M6155	UF/ BCPS1	
6			
7	M6161	BECU	
8			
9	M6461	UF/CCB	
10	M6464	UF/BATTERY BOX	
11	1110 10 1		
12	M6653	DEES	
13	M6453	UF/SIV	
14	M6456	UF/SIV	
15	*		
16	*		
17	*		
18	0		
19	*		
20	- A		
21	M6156	UF/ BCPS2	
22	1410130		
23			
24			
25	M6462	UF/CCB	
26	M6465	UF/BATTERY CHARGER	
27	MO403	GI7BATTERT CHARGER	
28			
29	M6454	UF/SIV	
30	M6457	UF/CCB	
31	MOTOT	0.7000	
32	0		
33	*		
34	MN241	TMS TB	
35	₩ *	1.11.5 1.0	
36	M6151	RELAY/BREAKER PANEL	
37	*	Alle	
38	*		
39	M6160	BECU	
40			
41			
42	M6463	UF/CCB	
43	MOTOJ	3.700	
44	M6652	UEES	
45	MOUJE	oct 3	
46	M6455	UF/SIV	
47	M6455 M6458	UF/CCB	
48	₩ ₩	017668	
49	*		
50	*		

		TMS-LU	
		CN-M5 (GN)	
	WIRE No.	DESTINATION	
1	*		
2	*		
3	M6751	EHPC1	
4	M6752	EHPC2	
5	M6753	EHPC3	
6	M6754	EHPC4	
7	M6755	EHPC5	
8	M6756	A-MIXER	
9	M6757	A-MIXER	
10	M6651	RELAY/BREAKER PANEL	
11			
12			
13	M6451	UF/CCB	
14	M6452	UF/CCB	
15	*		
16	*		
17	*		
18	MN241		
19	0		
20			
21			
22			
23			
24			
25			
26	M6300	PID6	RD-
27			
28	M6200	AIR-CON CONTROL PANEL	RD-
29			
30	M6400	UF/SIV	RD-
31			
32	0		
33	*		
34	M04	TMS TB	
35	M05	TMS TB	
36	M06	TMS TB	
37	*		
38	*		
39			
40			
41			
42	M6321	PID6	ВК-
43	M6322	PID6	WH-
44	M6221	AIR-CON CONTROL PANEL	ВК-
45	M6222	AIR-CON CONTROL PANEL	WH
46	M6421	UF/SIV	ВК
47	M6422	UF/SIV	WH-
48	*		
49	*		
			SHI - O O IHS

		CN-M6 (YW)						
PIN No.	WIRE No.	DESTINATION						
1	M23	LJB2	BN-	1				
2	M23a	LJB2	BN-	E	1			
3	*							
4	*							
5	*							
6	M6521	UF/ CONVERTER INVERTER	BK-	F	F			
7	M6121	BECU	BK-	F			1	
8	M6621	EDCU-D5	Вк-	Н	H	Н	Н	
9	M6631	EDCU-U5	ВК-	H		F		F
10				Г		П		Г
11					Г		Г	
12								
13	*							
14	*							
15	*							
16	*							
17	100		SH [→	-	-	-	\geq	-
18	M24	LJB2	WH-	J		Г		
19	M24a	LJB2	WH-			Г		Г
20	0					Г		Г
21								
22						Г		
23	M6522	UF/ CONVERTER INVERTER	WH-				Г	Г
24	M6122	BECU	WH-			F	Г	
25	M6622	EDCU-D5	WH-			F	F	
26	M6632	EDCU-U5	WH-			F		F
27						Г		
28						Г		
29						Г		Г
30						Г		
31						Г		Г
32	0					Г		Г
33	*							
34	*							
35	*					Г		
36	*							
37	*							
38	*							
39	M6500	UF/ CONVERTER INVERTER	RD-	Ξ				
40	M6100	BECU	RD-	Ξ	Ξ	Ξ		
41	M6600	EDCU-D5	RD-	Ξ		Ξ		
42	M6605	EDCU-U5	RD-					
43								
44								
45				_		_		
46	M02	RELAY/BREAKER PANEL	(Br	()	\neg	Γ	_	_
47	*					(
48	16	RELAY/BREAKER PANEL	(W	1)				
49	*							
50	100	EARTH TB						

NOTES

1. INDICATES SHIELDED CABLE, 1,2,..., * ARE CONDUCTORS AND 3 IS SHIELD

2. INDICATES SHORT JUMPER ON CONNECTOR

2 ←

3. WITH REMARK *, INSERT DUMMY CONTACT.

4. WITH REMARK $_{\odot}$, SOLDER THE POLARIZING CONTACT.

5. INDICATES TWISTED CABLE (100G0121-1.50)



COLOR ABBREVIATION

BK BLACK WH WHITE BU BLUE YW YELLOW

GN RD RED BN BROWN

ABBREVIATION PID PASSENGER INFOMATION DISPLAY UEES UEED ACCESS DETECTION SWITCH DEES DEED ACCESS DETECTION SWITCH

SHI SHIELD

KCR 運輸部 九廣鐵路 Transport Division

SP1900 ELECTRIC MULTIPLE UNITS CONNECTION DIAGRAM

MWH CAR

KCRC ER MWH A 1 B902
APPLIED CAR CAR TYPE GROUP PCS/CAR GROUP No. NTS @ A1 ORIGINATOR ORIGINATOR REFERENCE
KS 1-UB04126-06 DRAWING NUMBER |SP1900AB/XK/RR/M6115| 0 RAILWAY LOCATION STAGE

FULL SIZE A1

DESIGNED BY SRD CHECKED BY K.Y.CHEUNG IN CHARGE
C.C.HON
DATE
26JAN2007 DESCRIPTION DESCRIPTION

TMS LOCAL UNIT PIN ASSIGNMENT (6/11)

TMS-LU

		TMS-LU		
		CN-M2 (RD)		
PIN No.	WIRE No.	DESTINATION		
1	16	TMS TB		
2	*			
3	*			
4	90	LJB2		
5	3512	TMS TB		
6	M6581	TMS TB		
7	M6582	TMS TB		
8	MOSOZ			
9	16	TMS TB		
10	D03	LJB2		
11	D03	LJB2		
12	M6070	HOSTLER PANEL		
13	₩6010 ※	HOSTLEN FANEL		
14	*			
15	*			
	* *			
16				
17	*			
18	MN241	TMS TB		
19	0		-	
20	MN241	TMS TB		
21	M6596	TMS TB		
22	M6796	A-MIXER		
23				
24	M6583	TMS TB		
25	M6584	TMS TB		
26				
27				
28	M6592	APC EQUIPMENT		
29	M6593	APC EQUIPMENT		
30				
31				
32	0			
33	*			
34	MP241		~	
35	MP241		<	1
36	MP241		—	
37	M6595	TMS TB		
38	*			
39	M6797	RELAY/BREAKER PANEL		
40	M6798	RELAY/BREAKER PANEL		
41	M6091	RELAY/BREAKER PANEL		
42				
43	M6491	TMS TB		
44	MP241		<	
45				
46	*			
47	*			
48	*			
49	*			
50	*		1	

		TMS-LU CN-M3 (BK)		
PIN No	WIRE No.	DESTINATION	Τ	
1	MN241	TMS TB	1	
2	MP241		<	,
3	*		+-	
4	*			
5	*		+	
6			+	
7			+	
8			+	
9	MP241		-	
10	M6791	EHPC1	-	
11	M6792	EHPC2	_	
12	M6793	EHPC3	_	
13	M6794	EHPC4	+	
14	-		-	
15	M6795 ₩	EHPC5	+	
	* *		+	
16 17			-	
18		TMS TB	-	
	MN241	IMS IB	-	
19	*		-	
20	0		-	
21			-	
22			-	
23			-	
24			-	
25	110465		-	
26	M6165	RELAY/BREAKER PANEL	_	
27	M6551	APC EQUIPMENT	-	
28	M6553	APC EQUIPMENT	-	
29			-	
30			-	
31	0		_	
32	*		_	
33	*		-	
34	*		-	
35	*		-	
36	*		-	
37	*		-	
38	*		-	
39			-	
40			-	
41	NC1C1	THE	-	
42	M6164	TMS TB	-	
43	MCEEO	400 500	-	
44	M6552	APC EQUIPMENT	-	
45	M6554	APC EQUIPMENT	-	
46	*		-	
47	*		-	
48	*		-	
49	*		-	
50	*		1	

		TMS-LU	
		CN-M4 (BU)	_
	WIRE No.	DESTINATION	4
1	*		4
2	*		+
3	*		4
4	M6152	RELAY/BREAKER PANEL	4
5	M6155	TMS TB	4
6	110101		+
7	M6161	15P TB	+
8			+
9			+
10			+
11	M6653	DEES	+
12	₩ ₩0000	DEES	+
14	*		+
15	*		+
16	*		+
17	* *		+
18	0		+
19	*		+
20	*		+
21	M6156	TMS TB	+
22	MOTO	TMS TO	+
23			+
24			+
25			+
26			+
27			+
28			+
29			$^{+}$
30			+
31			$^{+}$
32	0		†
33	*		†
34	MN241	TMS TB	\dagger
35	M6051	RELAY/BREAKER PANEL	+
36	M6151	RELAY/BREAKER PANEL	\dagger
37	*		\dagger
38	*		\dagger
39	M6160	15P TB	\dagger
40			\dagger
41			\dagger
42			\dagger
43			+
44	M6652	UEES	+
45			\dagger
46			\dagger
47			+
48	M6163	TMS TB	+
49	*		+
50	*		+
	,		

1	*		
2	*		
3	M6751	EHPC1	
4	M6752	EHPC2	
5	M6753	EHPC3	
6	M6754	EHPC4	
7	M6755	EHPC5	
8	M6756	A-MIXER	
9	M6757	A-MIXER	
10	M6651	RELAY/BREAKER PANEL	
11			
12			
13	M6451	TMS TB	
14	M6452	TMS TB	
15	*		
16	*		
17	*		1
18	MN241	TMS TB	
19	0		
20			
21			
22			
23			
24			
25			20
26	M6300	PID6	RD
27	140000		
28	M6200	AIR-CON CONTROL PANEL	RD
29 30			
31			
32	*		
33	0		
34	*		
35	745		
36	*		
37	M07	TMS TB	
38	*		
39			
40			
41			
42	M6321	PID6	ВК-
43	M6322	PID6	WH-
44	M6221	AIR-CON CONTROL PANEL	ВК-
45	M6222	AIR-CON CONTROL PANEL	WH
46	*		
47	*		
48	*		
49	*		
50	100		SHI -
			1

		TMS-LU	
		CN-M6 (YW)	
PIN No.	WIRE No.	DESTINATION	
1	M21a	LJB2	BN-
2	M21	LJB2	BN
3	*		
4	*		
5	*		
6	M6521	UF/ CONVERTER INVERTER	вк
7	M6121	15P TB	вк
8	M6621	EDCU-D5	вк
9	M6631	EDCU-U5	ВК
10			
11			
12			
13	*		
14	*		
15	*		
16	*		
17	100		CIII A A A A A
			SHI + + + + +
18	M22a	LJB2	
19	M22	LJB2	WH—
20	0		
21			
22			
23		UF/ CONVERTER INVERTER	
24	M6122	15P TB	WH-
25	M6622	EDCU-D5	WH———
26	M6632	EDCU-U5	WH-
27			
28			
29			
30			
31			
32	0		
33	*		
34	*		
35	*		
36	*		
37	*		
38	*		
39		UF/ CONVERTER INVERTER	IRD.
40	M6100	15P TB	RD-
41	M6600	EDCU-D5	RD-
41	M6605	EDCU-U5	RD-
42	CUGOIM	E00-03	טאו
_			
44			
45	116.5		1,5%
46	M02	RELAY/BREAKER PANEL	(BK)—
47	*		I
48	16	RELAY/BREAKER PANEL	(MH) ¬ / _
49	*		
50	100	EARTH TB	

1. INDICATES SHIELDED CABLE, 1,2,...,* ARE CONDUCTORS AND 3 IS SHIELD

2. INDICATES SHORT JUMPER ON CONNECTOR

3. WITH REMARK *, INSERT DUMMY CONTACT.

4. WITH REMARK $_{\odot}$, SOLDER THE POLARIZING CONTACT.

5. INDICATES TWISTED CABLE (100G0121-1.50)



BK BLACK WH WHITE BU BLUE YW YELLOW

GN GREEN RD RED BN BROWN

PID PASSENGER INFOMATION DISPLAY UEES UEED ACCESS DETECTION SWITCH DEES DEED ACCESS DETECTION SWITCH

SHI SHIELD

DESIGNED BY SRD CHECKED BY 26JAN07 SRD K.Y. C.C. FIRST ISSUE
REV DATE BY SUB APP K.Y.CHEUNG IN CHARGE C.C.HON DATE DESCRIPTION DESCRIPTION



SP1900 ELECTRIC MULTIPLE UNITS CONNECTION DIAGRAM TMS LOCAL UNIT PIN ASSIGNMENT (7/11)

PMH CAR

KCRC ER PMH A 1 B902 NTS @ A1 ORIGINATOR ORIGINATOR REFERENCE
KS 1-UB04126-07 DRAWING NUMBER |SP1900AB/XK/RR/M6116| 0 RAILWAY LOCATION STAGE

\$T1ME\$								4.	WITH	REMA
\$DATE\$										
	Δ					I	_			
_ R \$						Ī.,	_			
\$ DRV:\$PLTDRVL\$ ED BY:\$USER\$ AME:\$FILE\$							_			
sPLTDR r: \$USE \$FILE\$	Δ						_			
V:\$ BY	Δ						_			
	\square					Ī.,	_			
\$USRF\$ PLOT D PRINTE FILENA	Δ					Ī.,	_			
\$U PR FI	REV	DATE	BY	SUB	APP					

<u> </u>		TMS-LU		
	!)	CN-M1 (NO COLOL		
PIN No		DESTINATION	WIRE No.	
1			*	1
2			*	2
3			*	3
4			*	4
5			*	5
6				6
7				7
8				8
9				9
10				10
11				11
12				12
13			*	13
14			*	14
15			*	15
16			*	16
17			*	17
18			*	18
19			*	19
20			0	20
21				21
22				22
23				23
24				24
25				25
26				26
27				27
28				28
29				29
30				30
31				31
32			*	32
33			0	33
34			*	34
35			*	35
36			*	36
37			*	37
38			*	38
39				39
40				40
41				41
42				42
43				43
44				44
45				45
46			*	46
47			*	47
48	+		*	48
49	+		*	49
50	+		*	50
			76/	50

		TMS-LU	
		CN-M2 (RD)	
PIN No.	WIRE No.	DESTINATION	
1	16	TMS TB	
2	*		
3	*		
4	90	LJB2	
5	*		
6			
7			
8			
9	16	TMS TB	
10	D03	LJB2	
11	D04	LJB2	
12	M6070	HOSTLER PANEL	
13	*		
14	*		
15	*		
16	*		
17	*		
18	MN241	TMS TB	
19	0		
20	MN241	TMS TB	
21			
22	M6796	TMS-TB	
23			
24			
25			
26			
27			
28			
29			
30			
31			
32	0		
33	*		
34	MP241		<
35			
36	MP241		<
37	*		
38	*		
39	M6797	RELAY/BREAKER PANEL	
40	M6798	RELAY/BREAKER PANEL	
41			
42			
43	M6491	UF/CCB	
44			
45			
46	*		
47	*		
48	*		
40	10/		

		TMS-LU		
DIN No	WIRE No.	CN-M3 (BK) DESTINATION	_	
1	MN241	TMS TB	+_	
2	MP241		<	
3	*		+	
4	*		_	
5	*		+	
6 7				
8			_	
9	MP241		-	
10	M6791	EHPC1	-	
11	M6792	EHPC2		
12	MO132	ERFCZ	+	
13	*		+	
14	*		+	
15	**		+	
16	**		+	
17	*		+	
18	MN241	TMS TB		
19	*	185 10		
20	0			
21	-			
22			+	
23				
24				
25			+	
26			+	
27			+	
28			+	
29			+	
30			+	
31	0		1	
32	*			
33	*			
34	*		+	
35	*		1	
36	*			
37	*			
38	*			
39				
40			1	
41				
42				
43				
44				
45				
46	*			
47	*			
48	*			
49	*			
50	*			

		CN-M4 (BU)	
IN No.	WIRE No.	DESTINATION	
1	*		
2	*		
3	*		
4	M6152	RELAY/BREAKER PANEL	
5	M6155	UF/ BCPS1	
6			
7	M6161	BECU	
8			
9			
10			
11			
12	M6653	DEES	
13	*		
14	*		
15	*		
16	*		
17	*		
18	0		
19	*		
20			
21	M6156	UF/ BCPS2	
22			
23			
24			
25			
26			
27			
28			
29			
30	M6457	UF/CCB	
31			
32	0		
33	*		
34	MN241	TMS TB	
35	*		1
36	M6151	RELAY/BREAKER PANEL	
37	₩ *		
38	*		
39	M6160	BECU	
40	1410 1 0 0	DECO	
41			
42			
43			
44	M6652	UEES	-
44	MOODZ	ucE3	-
45			
46	*		
48	*		
49	*		
50	*		1

	WIRE No.	DESTINATION	
1	*		
2	*		
3	M6751	EHPC1	
4	M6752	EHPC2	
5	*		
6			
7			
8	M6756	TMS-TB	
9	M6757	TMS-TB	
10	M6651	RELAY/BREAKER PANEL	
11			
12			
13	*		
14	*		
15	*		
16	*		
17	*		
18	MN241	TMS TB	
19			
20			
21			
22			
23			
24			
25			
26	M6300	PID4	RD-
27			
28	M6200	AIR-CON CONTROL PANEL	RD
29			
30			
31	w		
32	* 0		
33	-	TMS TB	
34 35	M04 **	IW2 IR	
36	*		
37	M07	TMS TB	
38	₩U1	3 10	
39			
40			
41			
42	M6321	PID4	Вк-
43	M6322	PID4	WH-
44	M6221	AIR-CON CONTROL PANEL	BK-
45	M6222	AIR-CON CONTROL PANEL	WH
46	₩ *		
47	*		
48	*		
49	*		
50	100		SHI

DIM No	WIDE No	CN-M6 (YW)	_				_
	WIRE No.	DESTINATION					
1	M23	LJB2	BN				_
2	M23a	LJB2	BN-	7			
3	*		+				
4	*		+				
5	*		\perp				
6			\perp				
7	M6121	BECU	BK-		1		
8	M6621	EDCU-D2	BK-		t	1	
9	M6631	EDCU-U2	BK-				1
10							
11					L		
12							
13	*				Π		
14	*				Г		Г
15	*						
16	*				T		Г
17	100		SH I-	•	5	•	5
18	M24	LJB2	WH-	_	ſ	Г	T
19	M24a	LJB2	WH-	╛	t	t	T
20	0		+		t	T	H
21					$^{+}$	Н	H
22					$^{+}$	H	H
23			+		+	H	H
24	M6122	BECU	WH-		╁		H
25	M6622	EDCU-D2	WH-		+	Н	H
26		EDCU-U2	WH-		F	\vdash	H
27	M6632	EDCU-02	Wn-		F	F	ŀ
_			_		+	⊢	H
28			+-		╀	⊢	┞
29			+		╀	H	H
30					╀		L
31			_		╀		L
32	0		_		╀	L	L
33	*		1		1	L	L
34	*		_			L	
35	*		_				
36	*		_		\perp	L	L
37	*		_		\perp	L	L
38	*						
39					L	L	
40	M6100	BECU	RD-		J	L	L
41	M6600	EDCU-D2	RD-		Ξ]_	
42	M6605	EDCU-U2	RD-			=	J
43							
44							
45							
46	M02	RELAY/BREAKER PANEL	СВК) —			
47	*		1		٧-		
48	16	RELAY/BREAKER PANEL	(WH) —	1		
49	*		1				_
50	100	EARTH TB	+				_

1. INDICATES SHIELDED CABLE. 1,2,...,* ARE CONDUCTORS AND 3 IS SHIELD

26JANOT SRD K.Y. C.C. FIRST ISSUE
REV DATE BY SUB APP

2. INDICATES SHORT JUMPER ON CONNECTOR

2 ←

3 WITH REMARK * , INSERT DUMMY CONTACT.

DESCRIPTION

MARK • , SOLDER THE POLARIZING CONTACT.

5. INDICATES TWISTED CABLE (100G0121-1.50)

DESIGNED BY

SRD CHECKED BY K.Y.CHEUNG

IN CHARGE
C.C.HON
DATE
26JAN2007



DESCRIPTION

BK BLACK WH WHITE BU BLUE YW YELLOW GN GREEN RD RED

BN BROWN

COLOR ABBREVIATION

ABBREVIATION

PID PASSENGER INFOMATION DISPLAY UEES UEED ACCESS DETECTION SWITCH DEES DEED ACCESS DETECTION SWITCH SHI SHIELD

SP1900 ELECTRIC MULTIPLE UNITS CONNECTION DIAGRAM TMS LOCAL UNIT PIN ASSIGNMENT (8/11)

KCRC ER TFH A 1 B902 NTS @ A1 ORIGINATOR ORIGINATOR REFERENCE
KS 1-UB04126-08 DRAWING NUMBER SP1900AB/XK/RR/M6117 RAILWAY LOCATION STAGE

KCR	運輸部
九廣鐵路	Transport Division

TMS-LU CN-M1 (NO COLOUR)						TMS-LU					TMS-LU		
				CN-M2 (RD)							CN-M3 (BK)		
N No.	WIRE No.	DESTINATION	PIN	No. W	IRE No.	DESTINATION			PIN No.	WIRE No.	DESTINATION		
1	*		1	1	16	TMS TB			1	MN241	TMS TB		
	*		2	2	*				2	MP241		<	7
	*		3	3	*				3	*			
	*		4	1	90	LJB2			4	*			
	*		5	5	*				5	*			
			6		M6581	UF/ CONVERTER INVERTER			6				
_			7	_	M6582	UF/ CONVERTER INVERTER			7				
3			8						8				
)			9	9	16	TMS TB			9	MP241		~	J
0			10	0	D03	LJB2			10	M6791	EHPC1		
1					D04	LJB2			11	M6792	EHPC2		
2									12	M6793	EHPC3		
3	*		1	_	*				13	M6794	EHPC4		
4	*		1.	_	*				14	M6795	EHPC5		
5	*		1:	_	*				15	*			
ŝ	*		11		*				16	*			
7	*		1	_	*				17	*			
8			1		MN241	TMS TB			18	MN241	TMS TB	_	
9	*		1	_	0		_		19	*			
0	0		20		MN241	TMS TB			20	0			
1			2		M6596	UF/CCB			21				
2			2:		M6796	A-MIXER			22				
3			2	-					23				
4			2	_		UF/ CONVERTER INVERTER			24			_	
5			2:	_	M6584	UF/ CONVERTER INVERTER			25			-	
6			21						26			-	
7			2						27				
8			21				_		28			-	
9			2'						29				
0			3(_					30			-	
1	\#Z		3				<u> </u>		31	0		-	
2	*		3:		0		_		32	* *		-	
3 4	0		3.		※ MP241		_		33	*			
5	* *		3:	_	MP 2 4 1		<		35	* *			
<u>ว</u> 6	* *		3:	_	<u>₩</u> MP241		_		36	* *		-	
о 7	*		3	_	M6595	UF/CCB			37	*		+	
8	* *		3	_	₩ *	di /ccb			38	M6411	UF/BATTERY CHARGER	BK¬	
9	745		3		™ M6797	RELAY/BREAKER PANEL			39	M6411	UF/BATTERY CHARGER	WH-	-
0			40	_	M6798	RELAY/BREAKER PANEL			40	1410417	S. SALTER VINIOER	1	
1			4	_		Territories Fanct			41			\vdash	
2			4:	_					42			+	
3					M6491	UF/CCB			43			\vdash	
4			4	_					44			\vdash	
5			4!	_					45			+	
6	*		41	_	*				46	*		\vdash	
17	*		4	_	*				47	*		\vdash	
18	*		4:	_	*				48	*		+	
19	*		4	_	*				49	*		\vdash	
0	*		50	_	*				50	100		SHI →	<u> </u>
<u> </u>	_ ~ _			٧	741	I						12	

		TMS-LU
		CN-M4 (BU)
No.	WIRE No.	DESTINATION
1	*	
2	*	
3	*	
4	M6152	RELAY/BREAKER PANEL
5	M6155	UF/ BCPS1
6		
7	M6161	BECU
8		
9	M6461	UF/CCB
10	M6464	UF/BATTERY BOX
11		
12	M6653	DEES
13	M6453	UF/SIV
14	M6456	UF/SIV
15	*	
16	*	
17	*	
18	0	
19	*	
20		
21	M6156	UF/ BCPS2
22		
23		
24		
25	M6462	UF/CCB
26	M6465	UF/BATTERY CHARGER
27	ĺ	
28		
29	M6454	UF/SIV
30		
31		
32	0	
33	*	
34	MN241	TMS TB
35	*	
36	M6151	RELAY/BREAKER PANEL
37	*	
38	*	
39	M6160	BECU
40		
41		
42	M6463	UF/CCB
43	NUTUJ	01 / 000
44	M6652	UEES
45	MIDODZ	OLES
45	M6455	UF/SIV
_	M6455 ₩	ur/SIV
47		
48	*	
49	*	
50	*	

		CN-M5 (GN)				
IN No.	WIRE No.	DESTINATION				
1	*					
2	*					
3	M6751	EHPC1				
4	M6752	EHPC2				
5	M6753	EHPC3				
6	M6754	EHPC4				
7	M6755	EHPC5				
8	M6756	A-MIXER				
9	M6757	A-MIXER				
10	M6651	RELAY/BREAKER PANEL				
11						
12						
13	M6451	UF/CCB				
14	M6452	UF/CCB				
15	*					
16	*					
17	*					
18	MN241	TMS TB				
19	0					
20						
21						
22						
23						
24						
25						
26	M6300	PID6	RD-	1_		
27						
28	M6200	AIR-CON CONTROL PANEL	RD-	L	1	
29						
30	M6400	UF/SIV	RD-	L	L	1
31				L	L	
32	*			L	L	
33	0					
34	*			L	L	
35	M05	TMS TB	_	L	L	
36	*		_	L	L	
37	M07	TMS TB		L	L	
38	*			L	1	
39				L	L	_
40				L	1	_
41				L	1	
42	M6321	PID6	BK-	1	1	_
43	M6322	PID6	WH-	1	1	
44	M6221	AIR-CON CONTROL PANEL	BK-	F	1	
45	M6222	AIR-CON CONTROL PANEL	WH-	Ė	L	
46	M6421	UF/SIV	BK-	t	Ė	
47	M6422	UF/SIV	WH-	F	F	
48	*			L	L	
49	*			L	L	
50	100		SH] →	9 -) (e)

PIN No. WIRE No. DESTINATION 1	DIN No	WIDE No	CN-M6 (YW)	1
2 M21	_		DESTINATION	DN
3	_			
4			LJBZ	BIN
5				
6 M6521 UF/ CONVERTER INVERTER BK— 7 M6121 BECU BK— 8 M6621 EDCU—US BK— 9 M6631 EDCU—US BK— 10	<u> </u>			
7 M6121 BECU BK				DV
8 M6621 EDCU-D5 BK- 9 M6631 EDCU-U5 BK- 10 BK- 11				
9 M6631 EDCU-US BK 10 11 12 13 ** 14 ** 15 ** 16 ** 17 100 SHI • • • • • • • • • • • • • • • • • • •				
10	_			
11		I COOM	EDCD-05	BK-
12 13				
13	-			
14	-	**		
15	-			
16				
17 100	-			+++++
18 M220 LJB2 WH 19 M22 LJB2 WH 20				
19 M22 LJB2 WH— 20	_		1,100	
20				
21 22 23 M6522 UF/ CONVERTER INVERTER WH— 24 M6122 BECU WH— 25 M6622 EDCU-D5 WH— 27 28 29 30 30 31 31 32	-		LJBZ	WH—
22 23 M6522 UF/ CONVERTER INVERTER WH		0		
23 M6522 UF/ CONVERTER INVERTER WH— 24 M6122 BECU WH— 25 M6622 EDCU—D5 WH— 28 29 30 31 31 32 0 33				
24 M6122 BECU WH— 25 M6622 EDCU-D5 WH— 26 M6632 EDCU-U5 WH— 27 BB		MCEOO		wii i
25 M6622 EDCU-D5 WH 26 M6632 EDCU-U5 WH 27 28 29 30 31 32 0 33 34 35 36 37 38 38 39 M6500 UF/ CONVERTER INVERTER RD 40 M6100 BECU RD 41 M6600 EDCU-D5 RD 42 M6605 EDCU-U5 RD 43 44 45 46 M02 RELAY/BREAKER PANEL (BK)				
26 M6632 EDCU-U5 WH 27 28 29 30 31 32 0 33	_			
27 28 29 30 31 32	_			
28 29 30 31 31 32 0 33 34 34 35 36 37 38 39 M6500 UF/ CONVERTER INVERTER RD 40 M6100 BECU RD 41 M6600 EDCU-D5 RD 42 M6605 EDCU-U5 RD 43 44 45 46 M02 RELAY/BREAKER PANEL (BK)		Mpp32	FDCD-02	WH
29 30 31 31 32 0 33 34 34 35 36 37 38 38 39 M6500 UF/ CONVERTER INVERTER RD 40 M6100 BECU RD 41 M6600 EDCU-D5 RD 42 M6605 EDCU-U5 RD 43 44 45 46 M02 RELAY/BREAKER PANEL (BK)				
30 31 32 0 33 34 35 36 37 38 38 39 M6500 UF/ CONVERTER INVERTER RD— 40 M6100 BECU RD— 41 M6600 EDCU—D5 RD— 42 M6605 EDCU—U5 RD— 43 44 45 46 M02 RELAY/BREAKER PANEL (BK)—				
31 32 0 33 34 35 36 37 38 38 39 M6500 UF/ CONVERTER INVERTER RD 40 M6100 BECU RD 41 M6600 EDCU-D5 RD 42 M6605 EDCU-U5 RD 43 44 45 46 M02 RELAY/BREAKER PANEL (BK) TO TO TO TO TO TO TO T	-			
32	-			
33	<u> </u>			
34		-		
35	-			
36				
37				
38 ** 39 M6500 UF/ CONVERTER INVERTER RD— 40 M6100 BECU RD— 41 M6600 EDCU—D5 RD— 42 M6605 EDCU—U5 RD— 43 44 45 —— 46 M02 RELAY/BREAKER PANEL (BK)——				
39 M6500 UF/ CONVERTER INVERTER RD 40 M6100 BECU RD 41 M6600 EDCU-D5 RD 42 M6605 EDCU-U5 RD 43 44 4 4 4 4 4 4 4 4 4 4 4 6 6 M02 RELAY/BREAKER PANEL (BK)				
40 M6100 BECU RD 41 M6600 EDCU-D5 RD 42 M6605 EDCU-U5 RD 43 44 45 46 M02 RELAY/BREAKER PANEL (BK)	-		HE / CONVERTER INVESTED	I _{RD}
41 M6600 EDCU-D5 RD- 42 M6605 EDCU-U5 RD- 43 44 4 45 6 M02 RELAY/BREAKER PANEL (BK)	-			
42 M6605 EDCU-US RD- 43 44 4 45 45 M02 RELAY/BREAKER PANEL (BK)				
43 44 45 45 46 MO2 RELAY/BREAKER PANEL (BK)				
44 45 46 MO2 RELAY/BREAKER PANEL (BK)		INIOOOJ	2000 00	11.0
45 46 MO2 RELAY/BREAKER PANEL (BK)				
46 MO2 RELAY/BREAKER PANEL (BK)				
		MO2	RELAY/BREAKER PANEL	(BK) ¬ =
1 1 1 2 1 1 1 1 1	_			1 N / V
48 16 RELAY/BREAKER PANEL (WH)			RELAY/BREAKER PANEL	(WH)
49 %	_			V 11117
50 100 EARTH TB	1 7 7	/a\		

1. INDICATES SHIELDED CABLE, 1,2,,,,* ARE CONDUCTORS AND 3 IS SHIELD 5. INDICATES TWISTED CABLE (100G0121-1.50)

26JAN07 SRD K.Y. C.C. FIRST ISSUE

DESCRIPTION

DESIGNED BY NIL DRAWN BY

SRD CHECKED BY

K.Y.CHEUNG IN CHARGE
C.C.HON
DATE
26JAN2007

2. INDICATES SHORT JUMPER ON CONNECTOR

2 🚽

3. WITH REMARK * INSERT DUMMY CONTACT.

DESCRIPTION

4. WITH REMARK $\ensuremath{\mathbf{0}}$, SOLDER THE POLARIZING CONTACT.

COLOR ABBREVIATION

BK BLACK

YELLOW

GN GREEN RD RED BN BROWN

KCR 運輸部 九廣鐵路 Transport Division

ABBREVIATION

PID PASSENGER INFOMATION DISPLAY

UEES UEED ACCESS DETECTION SWITCH DEES DEED ACCESS DETECTION SWITCH

SHI SHIELD

KCRC WR MW2 A 1 B902
KCRC ER MW2 A 1 B902
APPLIED CAR CAR TYPE GROUP PSACAR \$5.000.

MW2 CAR

SP1900 FLECTRIC MULTIPLE UNITS	SCA
CONNECTION DIAGRAM	OR I
TMS LOCAL UNIT PIN ASSIGNMENT (9/11)	DRA SP

		APPLIED CAR C	AR TYPE GROUP	PCS/CA	GROUP No
TIPLE UNITS	SCALE	NTS	@ A1		
1.400.414	ORIGINATOR	ORIGINAT	OR REFERENCE	. (RG REF RE
IAGRAM	KS	1 -UB	04126-09		b
TONINGNET (O (444)	DRAWING NUM	BER			REV
IGNMENT (9/11)	SP1900	AB/XK/	18	0	
	RAILWAY	LOCATION	STAGE	SHE	ET NO
			7		

		TMS-LU		TMS-LU					
_		CN-M1 (NO COLOUR)			CN-M2 (RD)				
0.	WIRE No.	DESTINATION		WIRE No.	DESTINATION				
	M6751	RELAY/BREAKER PANEL	1	16	TMS TB				
_	1846	RELAY/BREAKER PANEL	2	*					
_	1851	LJB2	3	*					
_	M6574	RELAY/BREAKER PANEL	4	90	LJB2				
_	*		5	3512	LJB2				
			6	M6581	UF/ CONVERTER INVERTER				
			7	M6582	UF/ CONVERTER INVERTER				
_			8						
_			9	16	TMS TB				
			10	D03	LJB2				
_			11	D04	LJB2				
			12						
_	*		13	*					
	*		14	*					
	*		15	*					
_	*		16	*					
_	*		17	*					
	16	TMS TB	18	MN241	TMS TB				
	*		19	0					
	0		20	MN241	TMS TB				
			21	M6596	UF/CCB				
			22	M6796	A-MIXER				
			23						
			24	M6583	UF / CONVERTER INVERTER				
_			25	M6584	UF / CONVERTER INVERTER				
			26						
			27						
			28	M6592	APC EQUIPMENT				
			29	M6593	APC EQUIPMENT				
			30						
			31						
	*		32	0					
	0		33	*					
	M6575	RELAY/BREAKER PANEL	34	MP241					
	M6576	RELAY/BREAKER PANEL	35	MP241		<	1		
	*		36	MP241		\leftarrow			
	*		37	M6595	UF/CCB				
	*		38	*					
			39	M6797	RELAY/BREAKER PANEL				
			40	M6798	RELAY/BREAKER PANEL				
			41	M6091	RELAY/BREAKER PANEL				
			42						
			43	M6491	UF/CCB				
			44	MP241		<	J		
			45						
	*		46	*					
	*		47	*					
	*		48	*					
	*		49	*					
	*		50	*					

		CN-M3 (BK)		
PIN No.	WIRE No.	DESTINATION		
1	MN241	TMS TB		
2	MP241		-	1
3	*			
4	*			
5	*			
6				
7				
8				
9	MP241		<	
10	M6791	EHPC1		
11	M6792	EHPC2		
12	M6793	EHPC3		
13	M6794	EHPC4		
14	M6795	EHPC5		
15	*			
16	*			
17	*			
18	MN241	TMS TB		
19	*			
20	0			
21				
22				
23				
24				
25				
26	M6165	RELAY/BREAKER PANEL		
27	M6551	APC EQUIPMENT		
28	M6553	APC EQUIPMENT		
29				
30				
31	0			
32	*			
33	*			
34	*			
35	*			
36	*			
37	*			
38	*			
39				
40				
41				
42	M6164	UF/CCB		
43				
44	M6552	APC EQUIPMENT		
45	M6554	APC EQUIPMENT		
46	*	<u> </u>		
47	*			
48	*			
49	*			
50	*			

		TMS-LU CN-M4 (BU)	
N Ma	WIRE No.	DESTINATION	_
1	WIRE NO.	OLSTINATION	+
2	*		+
3	*		+
4		051 47 (005 47 50 04)51	+
5	M6152	RELAY/BREAKER PANEL UF/ BCPS1	+
	M6155	UF7 BCPS1	+
7	M6161	15P TB	+
8	I O I O M	137 16	+
9			+
10			+
11			+
12	M6653	DEES	+
13	₩ ₩	DEE3	+
14	*		+
15	* *		+
_	* *		+
16 17			+
18	* 0		+
19	*		+
_	짜		+
20	M6156	UF/BCPS2	+
_	остом	UF/BCF52	+
22			+
23			+
24			+
25			+
26			+
27			+
28			+
29			+
30			+
31			+
32	0		+
33	* NAI2 44	THE TO	+
34	MN241	TMS TB	+
35	M6051	RELAY/BREAKER PANEL	\perp
36	M6151	RELAY/BREAKER PANEL	\perp
37	*		+
38	* NC4.50		+
39	M6160	15P TB	+
40			\perp
41			\perp
42			\perp
43			\perp
44	M6652	UEES	1
45			\perp
46	*		1
47	*		\perp
48	M6163	UF/CCB	\perp
49	*		\perp
50	*		

1	WIRE No. ₩	DESTINATION	\vdash	_	
2	*		+		
3	M6751	EHPC1			
4	M6752	EHPC2			
5	M6753	EHPC3	-		
6	M6754	EHPC4	+-		
7	M6755	EHPC5	1		
8	M6756	A-MIXER	+	_	
9	M6757	A-MIXER	-		
10	M6651	RELAY/BREAKER PANEL	1		
11	1410031	neem bremen i mee	+		
12			1		
13	M6451	UF/CCB	_		
14	M6452	UF/CCB	+		
15	*	517005	1		
16	*		1		
17	*		+		
18	MN241	TMS TB	+		
19	0		+		
20			1		
21			_		
22			+		
23			1		
24					
25					
26	M6300	PID6	RD-	,	
27	1110000		1.0		
28	M6200	AIR-CON CONTROL PANEL	RD-	E	
29			1	Н	
30				П	
31				П	
32	*			П	
33	0			П	
34	M04	TMS TB		П	
35	M05	TMS TB		П	
36	*			П	
37	M07	TMS TB		П	
38	*			П	
39					
40				П	
41					
42	M6321	PID6	BK-		
43	M6322	PID6	WH-		
44	M6221	AIR-CON CONTROL PANEL	ВК-	Н	
45	M6222	AIR-CON CONTROL PANEL	WH-	Н	
46	*				
47	*				
48	*				
49	*			П	
50	100		SHI-	5	b

		TMS-LU						
		CN-M6 (YW)						
PIN No.	WIRE No.	DESTINATION						
1	M23	LJB2	BN-	1				
2	M23a	LJB2	BN-	F	1			
3	*			Γ	Г			
4	*							
5	*							
6	M6521	UF/ CONVERTER INVERTER	ВК-	F	F	1		
7	M6121	15P TB	ВК-	\vdash	Н	Н		
8	M6621	EDCU-D5	ВК-	H	F		\neg	
9	M6631	EDCU-U5	ВК-	H	Е			_
10								
11								
12								
13	*							
14	*							
15	*							
16	*							
17	100		SH[-	-	φ <u></u>	H	•	-
18	M24	LJB2	WH-					_
19	M24a	LJB2	WH-		_ ل	Ц		
20	0							
21								
22								
23			WH-					
24	M6122	15P TB	WH-					
25	M6622	EDCU-D5	WH-					
26	M6632	EDCU-U5	WH-					
27								
28								
29								
30								
31								
32	0							
33	*					Ц	_	_
34	*					Ц		
35	*		_			Н	4	
36	*		_			Н		
37	*		-	_		Н	\perp	_
38 39	₩ M6500	HE CONVERTED INVESTED	DD			Н	\dashv	
40	M6500 M6100	UF / CONVERTER INVERTER	RD-	Ξ			+	_
41	M6600	EDCU-D5	RD-					
41	M6605	EDCU-U5	RD-				_	
43	MOOOD	2000 03	-טיון	_		_	_	_
43								
45								
46	M02	RELAY/BREAKER PANEL	(B	()	_	_		_
47	₩ *		,,,	. ,	-	\leftarrow		
48	16	RELAY/BREAKER PANEL	(W	H)	_	\vdash		_
49	*		\ n	. , ,				
			1					

1. INDICATES SHIELDED CABLE, 1,2,,,,* ARE CONDUCTORS AND 3 IS SHIELD

2. INDICATES SHORT JUMPER ON CONNECTOR

2 ←

3. WITH REMARK * INSERT DUMMY CONTACT.

DESCRIPTION

4. WITH REMARK • . SOLDER THE POLARIZING CONTACT.

5. INDICATES TWISTED CABLE (100G0121-1.50)

DESCRIPTION

COLOR ABBREVIATION

BK BLACK WHITE

BU YW YELLOW

GN GREEN

RD RED BN BROWN

ABBREVIATION

PID PASSENGER INFOMATION DISPLAY UEES UEED ACCESS DETECTION SWITCH DEES DEED ACCESS DETECTION SWITCH

SHI SHIELD

KCRC WR PM2 A 1 B902

SP1900 ELECTRIC MULTIPLE UNITS CONNECTION DIAGRAM TMS LOCAL UNIT PIN ASSIGNMENT (10/11) PM2 CAR

	110110	••••	<u> </u>		,			050
		KCRC ER PM2 A 1		1		B90		
	APPL IED	CAR	CAR	TYPE	GROUP	PCS/C	AR	KS DV Group
SCALE								
		NT	S @	A1				
ORIGINATOR	OR10	SINA	TOR	REFE	RENCE		OR.	G REF
KS		1 -U	B04	126-1	0			b
DRAWING NUM	IBER							REV
CDADD	10 /	/1/	/D.	S /1	101	ا م		^

IN CHARGE
C.C.HON
DATE
26JAN2007

KCR 運輸部 九廣鐵路 Transport Division

|SP1900AB/XK/RR/M6119| 0 RAILWAY LOCATION STAGE

FULL SIZE A1

DESIGNED BY SRD CHECKED BY K.Y.CHEUNG 0 26JAN07 SRD K.Y. C.C. FIRST ISSUE

IN No. W.I		CN-M1 (NO COLOUR)			CN-M2 (RD)				CN-N
IM MO* MI	IRE No.	DESTINATION	PIN No	WIRE No.	DESTINATION		PIN No	. WIRE No.	DEST
1	*		1	16	TMS TB		1	MN241	TI
2	*		2	*			2	MP241	
3			3				$-\frac{2}{3}$		
	*			*				*	
4	*		4	90	LJB1		4	*	
5	*		5	*			5	*	
6			6	M6581	UF / CONVERTER INVERTER		6		
7			7	M6582	UF / CONVERTER INVERTER		7		
8			8				8		
9			9	16	TMS TB		9	MP241	
-									
10			10	D03	LJB1			M6791	E
11				D04	LJB1		11	M6792	E
12			12	M6070	HOSTLER PANEL		12	M6793	E
13	*		13	*			13	M6794	E
14	*		14	*			14	M6795	Ε
15	*		15	*				M5092	RELAY/BR
_	*			*			_	_	neem von
16			16				16		
7	*		17				17		
8			18	MN241	TMS TB		18	MN241	TI
19	*		19	0			19	*	
20	0		20	MN241	TMS TB		20	0	
21			21		UF/CCB		21		
_					A-MIXER			 	
22			22		A-MIXEK		22	-	
23			23				23		
24					UF/ CONVERTER INVERTER		24		
25	T		25	M6584	UF/ CONVERTER INVERTER		25		
26			26				26		
27			27				27		
28			28				28		
29			29				29		
30			30				30		
31			31				31	0	
32	*		32	0			32	*	
33	0		33	*			33	*	
34	*			MP241		<u>~</u>	34	*	
35	*		35			-	35	*	
_								_	
6	*		36			<	36	*	
37	*		37	M6595	UF/CCB		37	*	
88	*		38	*			38	M6411	UF/BATTI
39			39	M6797	RELAY/BREAKER PANEL		39	M6412	UF/BATTE
0			40		RELAY/BREAKER PANEL		40		
1		+	41				41		
_								_	
2			42	110 :-			42		
3			43	M6491	UF/CCB		43		
4	7		44				44		
5			45				45		
5	*		46	*			46	*	
7	*	+	47	*			47	*	
-								_	
8	*		48	*			48	*	
	*		49 50	*			49	*	I
9							50		

TMS-LU

CN-M2 (RD)

	7.10				T.10	
	TMS-LU				TMS-LU	
WIDE N.	CN-M3 (BK)	1	DIN N	WIDE N. I	CN-M4 (BU)	1
WIRE No. MN241	DESTINATION TMS TB	-	PIN NO.	W]RE No. ₩	DESTINATION	
MP241	IMS ID	_	 2	*		
₩ *		-	3	*		
*		+-	4	M6152	RELAY/BREAKER PANEL	
*		+	5	M6155	UF/BCPS1	
^		+-	6	WIOTSS	0.700.01	
		+-	7	M6161	BECU	
			8	1110101	5500	
MP241		-	9	M6461	UF/CCB	
M6791	EHPC1	+	10	M6464	UF/BATTERY BOX	
M6792	EHPC2	+	11			
M6793	EHPC3	\vdash	12	M6653	DEES	
M6794	EHPC4		13	M6453	UF/SIV	
M6795	EHPC5		14	M6456	UF/SIV	
M5092	RELAY/BREAKER PANEL	+	15	*		
*			16	*		
*			17	*		
MN241	TMS TB		18	0		
*		\top	19	*		
0			20			
			21	M6156	UF/BCPS2	
			22			
			23			
			24			
			25	M6462	UF/CCB	
			26	M6465	UF/BATTERY CHARGER	
			27			
			28			
			29	M6454	UF/SIV	
			30	M6457	UF/CCB	
0			31			
*			32	0		
*			33	*		
*			34	MN241	TMS TB	
*		_	35	*		
*			36	M6151	RELAY/BREAKER PANEL	
*		_	37	*		
M6411	UF/BATTERY CHARGER	BK-	38	*		
M6412	UF/BATTERY CHARGER	WH-	39	M6160	BECU	
		\sqcup	40			
			41			
		\Box	42	M6463	UF/CCB	
		\vdash	43			
		\vdash	44	M6652	UEES	
			45			
*		\vdash	46	M6455	UF/SIV	
*		\vdash	47	M6458		
*		\vdash	48	*		
※		leur.	 49	*		
		SHI-€	 50	*		I .

				TMS-LU		
				CN-M5 (GN)		
No. W	PIN No			DESTINATION	WIRE No.	_
+	1				*	1
	3				※	2
_				EHPC1	M6751	3
-	4			EHPC2	M6752	4
-	5			EHPC3	M6753	5
-	6			EHPC4	M6754	6
-	7			EHPC5	M6755	7
_	8			A-MIXER	M6756	8
-	9			A-MIXER	M6757	9
-	10			RELAY/BREAKER PANEL	M6651	10
-	11					11
-	12					12
_	13			UF/CCB	M6451	13
_	14			UF/CCB	M6452	14
_	15				*	15
_	16				*	16
-	17				*	17
_	18			TMS TB	MN241	18
-	19				0	19
_	20					20
-	21					21
-	22					22
	23					23
-	24					24
-	25					25
	26		RD-	PID1	M6300	26
-	27					27
_	28		RD	AIR-CON CONTROL PANEL	M6200	28
-	29					29
-	30		RD-	UF/SIV	M6400	30
_	31					31
-	32				0	32
_	33				*	33
-	34			TMS TB	M04	34
_	35					35
_	36			TMS TB	M06	36
_	37			TMS TB	M07	37
_	38				*	38
-	39					39
_	40					40
_	41					41
-	42		BK-	PID1	M6321	42
_	43		WH-	PID1	M6322	43
-	44		ВК-	AIR-CON CONTROL PANEL	M6221	44
5	45		WH-	AIR-CON CONTROL PANEL	M6222	45
_	46		вк	UF/SIV	M6421	46
7	47		WH-	UF/SIV	M6422	47
3	48				*	48
3	49				*	49
) [50	p	SHI + + +		100	50

1	WIRE No. M21a	DESTINATION LJB1	BN-	_		_	
2	M210	LJB1	BN-	L,		_	
3	*		J.,	\forall		_	
4	*			Н			
5	*			Н			
6	M6521	UF/ CONVERTER INVERTER	вк-	Ħ	_	_	
7	M6121	BECU	ВК-		7	$\overline{}$	
8	M6621	EDCU-D1	ВК-		1	#	_
9	M6631	EDCU-U1	ВК-	Ħ	1	#	Ŧ
10				П	T	T	
11				П	T	T	T
12				П	1	T	ı
13	*					T	
14	*					T	Ī
15	*			П	T	T	T
16	*					\top	T
17	100		SHI→		-	\Rightarrow	0
18	M22a	LJB1	WH-		_†	╛	J
19	M22	LJB1	WH-	7		I	J
20	0				I	Ι	Ι
21					I		I
22						\perp	Ι
23	M6522	UF/ CONVERTER INVERTER	WH-		\exists		
24	M6122	BECU	WH-		1	1	
25	M6622	EDCU-D1	WH-		_	\pm	1
26	M6632	EDCU-U1	WH-		1	+	+
27							
28						1	
29					4	_	1
30					4	4	1
31					4	4	1
32	0				4	+	1
33	*				4	+	+
34	*				+	+	+
35	*			_	+	+	+
36 37	*				+	+	+
38	*				+	+	+
39	M6500	UF/ CONVERTER INVERTER	RD-		\exists	+	+
40	M6100	BECU BECU	RD-			\pm	+
41	M6600	EDCU-D1	RD-			_	
42	M6605	EDCU-U1	RD-				
43			1				
44					_	_	_
45						_	
46	M02	RELAY/BREAKER PANEL	(BK	() -	¬ .	_	
47	*	-	- 51		-∀	_	
48	16	RELAY/BREAKER PANEL	(WH	1)-	_/\	_	
49	*					_	
50	100	EARTH TB				_	

2 🚽

TMS-LU

CN-M1 (NO COLOUR)

3. WITH REMARK *, INSERT DUMMY CONTACT.

DESCRIPTION

4. WITH REMARK lacktriangle , SOLDER THE POLARIZING CONTACT.

26JANOT SRD K.Y. C.C. FIRST ISSUE

ES TWISTED CABLE (100G0121-1.50)



DESCRIPTION

BK BLACK WHITE BU

COLOR ABBREVIATION

ΥW YELLOW GN GREEN

RED RD BN BROWN ABBREVIATION

PID PASSENGER INFOMATION DISPLAY UEES UEED ACCESS DETECTION SWITCH

DEES DEED ACCESS DETECTION SWITCH

SHI SHIELD

DESIGNED BY DHAMN BT
SRD
CHECKED BY
K.Y.CHEUNG
IN CHARGE
C.C.HON
DATE
26JAN2007

KCR 運輸部 九廣鐵路 Transport Division

SP1900 ELECTRIC MULTIPLE UNITS CONNECTION DIAGRAM

TMS LOCAL UNIT PIN ASSIGNMENT (11/11) MHW CAR

	KCRC WE		A	1	B902		
	APPLIED CAF	CAR TYPE	GROUP	PCS/CA	KS DWG. Group No.		
SCALE							
ORIGINATOR	ORIGIN	C	RG REF REV				
KS	1-	1-UB04126-11					
DRAWING NUM	BER				REV		
SP1900	900AB/XK/RR/M6120						
RAILWAY	LOCATION	SHE	ET NO				
FR	HTI	7	٠		1		