

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



KCRC	WR	PM2	A	*	B901
KCRC	WR	PM1	A	*	B901
KCRC	ER	PMH	A	*	B901
KCRC	ER	PM2	A	*	B901
KCRC	ER	PM1	A	*	B901
APPLIED CAR	CAR TYPE	GROUP	PCS/CAR	KS DMC-900	

SCALE		NTS @ A1	
ORIGINATOR KS	ORIGINATOR REFERENCE 1-UB02697	DRG REF REV d	
DRAWING NUMBER SP1900AB/XG/RR/D5008		REV 0	
RAILWAY ER	LOCATION HTL	STAGE Z	SHEET NO 1

△						△						DESIGNED BY NIL
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△						△						CHECKED BY K.Y.CHEUNG
△						△						IN CHARGE C.C.HON
△						△						DATE 26JAN2007
REV	DATE	BY	SUB	APP	DESCRIPTION	REV	DATE	BY	SUB	APP	DESCRIPTION	

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KCR

九廣鐵路

運輸部

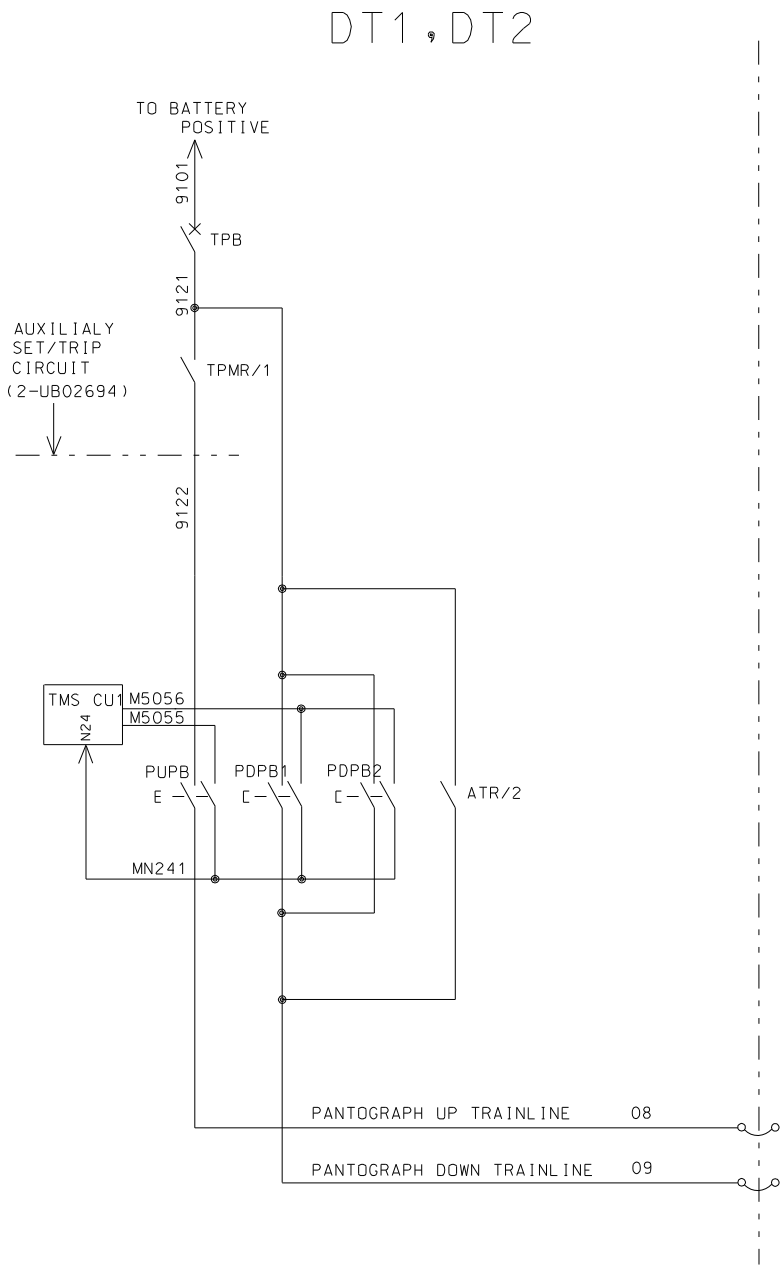
Transport Division

TITLE

SP1900 ELECTRIC MULTIPLE UNITS
ELECTRICAL SCHEMATIC
PANTOGRAPH CONTROL CIRCUIT (1/3)
DT1, DT2 CAR

KCRC	WR	DT2	A	*	B901
KCRC	WR	DT1	A	*	B901
KCRC	ER	DT2	A	*	B901
KCRC	ER	DT1	A	*	B901
APPLIED CAR	CAR TYPE	GROUP	PCS/CAR	KS DWG. GROUP NO.	

SCALE						NTS @ A1		
ORIGINATOR		ORIGINATOR REFERENCE			ORG REF REV			
KS		3-UB02665-1			e			
DRAWING NUMBER						REV		
SP1900AB/XG/RR/D5004						0		
RAILWAY		LOCATION		STAGE		SHEET NO		
ER		HTL		Z		1		



ABBREVIATION

ATR :AUXILIARY TRIP RELAY
TPB :TRAIN PREPARATION CIRCUIT BREAKER
TPMR :TRAIN PREPARATION MASTER RELAY
PDPB1,2:PANTOGRAPH DOWN PUSHBUTTON
PUPB :PANTOGRAPH UP PUSHBUTTON

REV	DATE	BY	SUB	APP	DESCRIPTION

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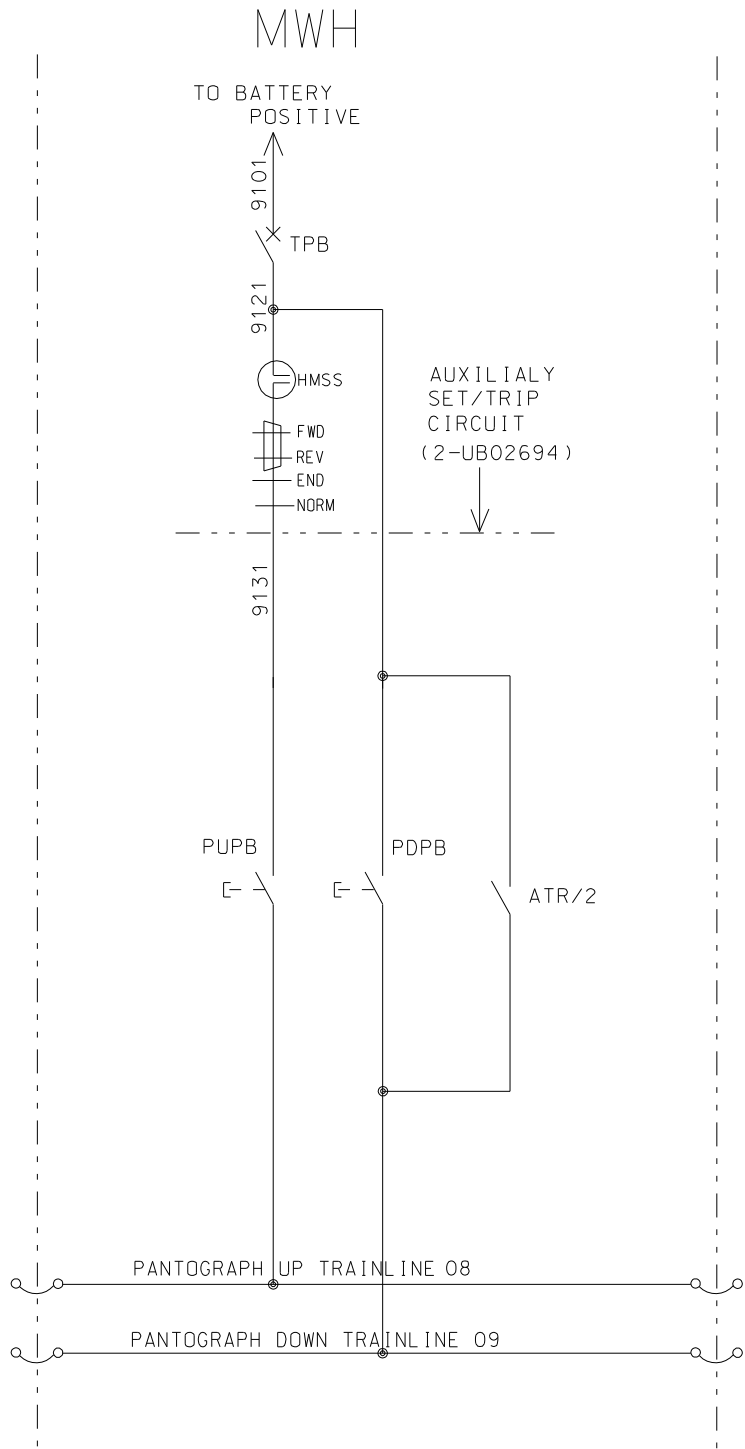
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Transport Division

TITLE

SP1900 ELECTRIC MULTIPLE UNITS
ELECTRICAL SCHEMATIC
PANTOGRAPH CONTROL CIRCUIT (2/3)
PM1, PM2 CAR

KCRC	WR	PM2	A	*	B901
KCRC	WR	PM1	A	*	B901
KCRC	ER	PMH	A	*	B901
KCRC	ER	PM2	A	*	B901
KCRC	ER	PM1	A	*	B901
APPLIED CAR	CAR TYPE	GROUP	PCS/CAR	KS DWG. GROUP NO.	
ER	HTL	Z	1		



ABBREVIATION

- ATR :AUXILIARY TRIP RELAY
PDPB :PANTOGRAPH DOWN PUSHBUTTON
PUPB :PANTOGRAPH UP PUSHBUTTON
HMSS :HOSTLER MODE SELECTION SWITCH
TPB :TRAIN PREPARATION CIRCUIT BREAKER

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REV	DATE	BY	SUB	APP	DESCRIPTION
0	26JAN07	SRD	K.Y.	C.C.	FIRST ISSUE



TITLE
SP1900 ELECTRIC MULTIPLE UNITS
ELECTRICAL SCHEMATIC
PANTOGRAPH CONTROL CIRCUIT (3/3)
MWH CAR

	KCRC	ER	MWH	A	*	B901
	KCRC	ER	MWH	A	*	B901
	APPLIED CAR	CAR TYPE	GROUP	PCS/CAR	KS DWG. GROUP NO.	

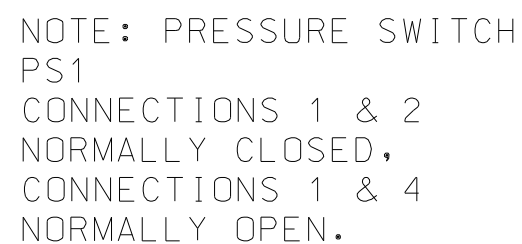
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ORIGINATOR	ORIGINATOR REFERENCE	ORG REF REV	
KS	3-UB02665-3	b	
DRAWING NUMBER		REV	
SP1900AB/XC/RR/D5006		0	
RAILWAY	LOCATION	STAGE	SHEET NO
ER	HTL	Z	1

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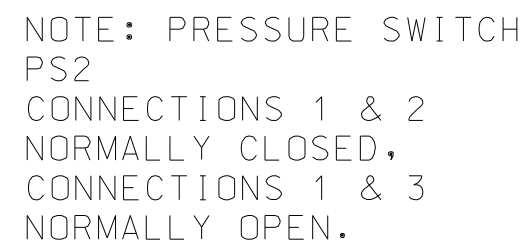
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MANUFACTURER BRECKNELL, WILLIS & Co. Ltd.		MANUFACTURER'S DRAWING No. MO2795-25-SK Iss. A			
TITLE	SP1900 ELECTRIC MULTIPLE UNITS PNEUMATIC SCHEMATIC PANTOGRAPH AIR CONTROL CIRCUIT		SCALE NTS @ A1		
			ORIGINATOR BSM	ORIGINATOR REFERENCE MO2795-25-SK	ORIG REF REV A
			DRAWING NUMBER SP1900AB/XG/RR/N7000		REV 0
			RAILWAY ER	LOCATION HTL	STAGE Z



CABLE MARKER TO BE PLACED ON WIRE
TO VISIBLY SHOW TERMINATION NO. AS SHOWN.
CABLE TO BE SLEEVED UNDER INSULATION
CRIMP OF FASTON TERMINATION AND WHERE
PASSING THROUGH A CABLE GLAND.



1.5 METRE FLYING LEADS, TC1034 CABLE 1.34mm

[illegible]

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TITLE	SP1900 ELECTRIC MULTIPLE UNITS			SCALE	
	CONNECTION DIAGRAM			NTS @ A1	
	PANTOGRAPH CONTROL PANEL			ORIGINATOR	ORIGINATOR REFERENCE
				B&W	M02795-25-A
				DRAWING NUMBER	REV
				SP1900AB/XK/RR/M6050	0
	RAILWAY	LOCATION	STAGE	SHEET N	
	ER	HTL	Z	1	

[illegible]

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TITLE	SP1900 ELECTRIC MULTIPLE UNITS PNEUMATIC SCHEMATIC PANTOGRAPH, VCB, PNEUMATIC PIPING DIAGRAM
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KCRC	ER	PM2	A	*	B904
KCRC	ER	PM1	A	*	B904
KCRC	ER	PMH	A	*	B904
APPLIED CAR		CAR TYPE	GROUP	PCS/CAR	KS GROUP NAME

SCALE

NTS @ 1

ORIGINATOR KS	ORIGINATOR REFERENCE 2-UBD2698	ORIG REF NAME G
DRAWING NUMBER SP1900AB/XF/RR/N7004		REV 0
RAILWAY	LOCATION	SHEET NO
ER	HTL	Z 1

GROUP			REF. NO.	DESCRIPTION	DRG. NO.	MATERIAL	PCS/SET	WEIGHT		REMARKS	REV. MARK
								EACH	TOTAL		
			U01	AIR SUPPLY SYSTEM	8.115.1.003.0002	ASS'Y	1			8.115.1.401.751.9 LP115 (KNORR)	
			U02	FLEXIBLE PIPE	8.000.0.939.701.5	ASS'Y	1			8.000.0.939.701.5 D18/L500 (KNORR)	
			U03	(BLANK)							
			U04	CHECK VALVE	A59143	ASS'Y	1			I 25352 RV-10 (KNORR)	
			U05	(BLANK)							
			U06	PIPELINE FILTER	B92961	ASS'Y	1			I 99660 LA2103 (KNORR)	
			U07	AIR RESERVOIR	C74497	ASS'Y	1			I1 38284/025 C25-ALU (KNORR)	
			U07.1	DRAIN COCK	A66272	ASS'Y	1			I1 42097 G3/4-DN8 (KNORR)	
			U07.2	SCREW PLUG	C80765	ASS'Y	1			C54610/4 G1 A (KNORR)	
			U08	PRESSURE RED. VALVE	A88608	ASS'Y	1			I 43364/0550 DMV7A/7.5 (KNORR)	
			U13	TEST FITTING	B41736	ASS'Y	2			I 68943 T2 (KNORR)	
			E01	ELECTRO-PNEUMATIC VALVE		ASS'Y	1			(BRECKNELL)	
			E02	PAN RAISED PRESSURE SWITCH		ASS'Y	1			(BRECKNELL)	
			E03	ADD OPERATED PRESSURE SWITCH		ASS'Y	1			(BRECKNELL)	
			F01	KEY OPERATED ISOLATING COCK	E57.002.4	ASS'Y	1			(FACTO AG)	
			V01	ISOLATING COCK. WITH VENT.	C54346	ASS'Y	1			I1 15317 G3/8-DN10E (KNORR)	
			V02	DRAIN COCK	A66272	ASS'Y	1			I 34901 G1/4-DN8 (KNORR)	
			V03	CHECK VALVE	A59143	ASS'Y	1			I 25352 RV-10 (KNORR)	
			V04	TEST FITTING	B59959	ASS'Y	1			I 179633 K11 (KNORR)	
			V05	HOSE ASSEMBLY		ASS'Y	1			N3130-08 450LSE-PF-08-Sx2 (NITTA)	