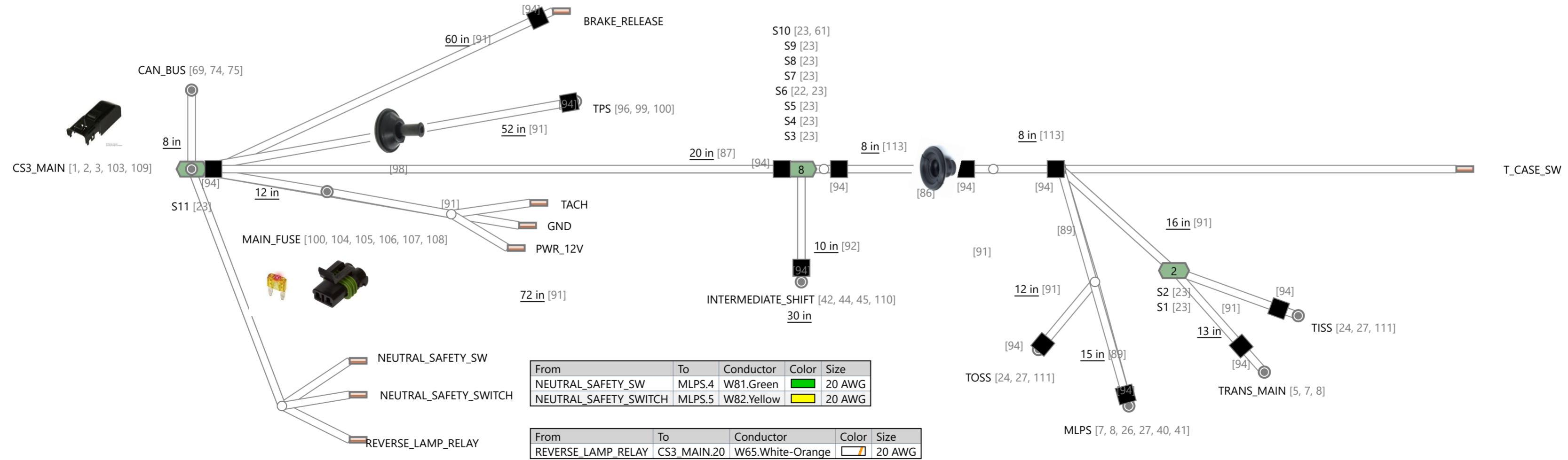


From	To	Conductor	Notes
CS3_MAIN.1	TRANS_MAIN.7	W12.Blue-White	SOLENOID SR
CS3_MAIN.3	TRANS_MAIN.14	W15.Green-Red	SOLENOID SLT
CS3_MAIN.4	TRANS_MAIN.13	W14.Green-White	SOLENOID SL1
CS3_MAIN.6	TRANS_MAIN.12	W11.Yellow-Blue	SOLENOID SL1
CS3_MAIN.10	S3	W27.Blue	MLPS D3
CS3_MAIN.15	TRANS_MAIN.11	W10.Yellow	SOLENOID SL2
CS3_MAIN.17	TRANS_MAIN.8	W13.White-Blue	SOLENOID S1
CS3_MAIN.18	TRANS_MAIN.15	W4.Brown-Yellow	SOLENOID S2
CS3_MAIN.20	REVERSE_LAMP_RELAY	W65.White-Orange	REVERSE SWITCH RELAY
CS3_MAIN.21	MAIN_FUSE.A	W71.Red	MAIN FUSE
CS3_MAIN.26	S4	W30.Red	12V SHIFT POWER
CS3_MAIN.31	S5	W33.White-Green	MLPS D2/D1
CS3_MAIN.32	T_CASE_SW	W26.Yellow-Black	TRANSFER CASE LOW RANGE SWITCH
CS3_MAIN.33	TPS.C	W79.Green-Red	+5V
CS3_MAIN.37	TOSS.1	W18.Violet-Yellow	TOSS INPUT HIGH
CS3_MAIN.38	TOSS.2	W19.Violet-Yellow	TOSS INPUT LOW
CS3_MAIN.39	TPS.B	W77.Green	TPS SIGNAL
CS3_MAIN.40	TPS.A	W78.Green-White	TPS GROUND
CS3_MAIN.41	GND	W73.Black	MAIN GROUND
CS3_MAIN.43	S1	W17.Black	SOLENOID SWITCH GROUND A
CS3_MAIN.44	S2	W16.Black-White	SOLENOID SWITCH GROUND B
CS3_MAIN.45	S6	W36.Black	S MODE SF COMMON
CS3_MAIN.46	S11	W57.Black	GND, TCC, NEUTRAL, REVERSE RELAYS
CS3_MAIN.47	INTERMEDIATE_SHIFT.G	W41.Brown-Yellow	SHIFT UP
CS3_MAIN.48	INTERMEDIATE_SHIFT.S	W42.White-Orange	SPORT MODE INDICATOR
CS3_MAIN.50	S7	W40.Blue-Yellow	MLPS D5/D4
CS3_MAIN.51	S8	W45.Blue-Red	MLPS REVERSE
CS3_MAIN.53	TRANS_MAIN.2	W3.Brown	TEMPERATURE 1 LOW
CS3_MAIN.54	TISS.2	W21.Violet	INPUT SHAFT SPEED LOW
CS3_MAIN.63	CAN_BUS.2	W66.Tan	CAN LOW
CS3_MAIN.64	CAN_BUS.1	W67.Tan-Black	CAN HIGH
CS3_MAIN.67	INTERMEDIATE_SHIFT.F	W48.Brown-Red	SHIFT DOWN
CS3_MAIN.68	INTERMEDIATE_SHIFT.H	W49.Brown-White	SPORT MODE SWITCH
CS3_MAIN.70	S9	W50.Blue-Black	MLPS NEUTRAL
CS3_MAIN.71	S10	W53.Blue-Orange	MLPS PARK
CS3_MAIN.72	TRANS_MAIN.1	W1.Tan	TEMPERATURE 2 LOW
CS3_MAIN.74	TISS.1	W20.Violet	INPUT SHAFT SPEED HIGH
CS3_MAIN.76	TRANS_MAIN.10	W5.Brown-Orange	TEMPERATURE 1 HIGH
CS3_MAIN.77	TRANS_MAIN.9	W2.Tan-Black	TEMPERATURE 2 HIGH
CS3_MAIN.80	TACH	W76.Brown	TACHOMETER INPUT

From	To	Conductor	Notes
TRANS_MAIN.1	CS3_MAIN.72	W1.Tan	TEMPERATURE 2 LOW
TRANS_MAIN.2	CS3_MAIN.53	W3.Brown	TEMPERATURE 1 LOW
TRANS_MAIN.3	S1	W6.Black	SOLENOID GROUND FOR SLT/SL2
TRANS_MAIN.4	S2	W8.Black-White	SOLENOID GROUND FOR SL1/SLU
TRANS_MAIN.5	S2	W9.Black-White	SOLENOID GROUND FOR SL1/SLU
TRANS_MAIN.6	S1	W7.Black	SOLENOID GROUND FOR SLT/SL2
TRANS_MAIN.7	CS3_MAIN.1	W12.Blue-White	SOLENOID SR
TRANS_MAIN.8	CS3_MAIN.17	W13.White-Blue	SOLENOID S1
TRANS_MAIN.9	CS3_MAIN.77	W2.Tan-Black	TEMPERATURE 2 HIGH
TRANS_MAIN.10	CS3_MAIN.76	W5.Brown-Orange	TEMPERATURE 1 HIGH
TRANS_MAIN.11	CS3_MAIN.15	W10.Yellow	SOLENOID SL2
TRANS_MAIN.12	CS3_MAIN.6	W11.Yellow-Blue	SOLENOID SL1
TRANS_MAIN.13	CS3_MAIN.4	W14.Green-White	SOLENOID SL1
TRANS_MAIN.14	CS3_MAIN.3	W15.Green-Red	SOLENOID SLT
TRANS_MAIN.15	CS3_MAIN.18	W4.Brown-Yellow	SOLENOID S2

From	To	Conductor	Notes
INTERMEDIATE_SHIFT.A	S4	W31.Red	12V SHIFT POWER
INTERMEDIATE_SHIFT.B	S3	W28.Blue	MLPS D3
INTERMEDIATE_SHIFT.C	S5	W34.White-Green	MLPS D2/D1
INTERMEDIATE_SHIFT.E	BRAKE_RELEASE	W56.Green	MLPS BRAKE RELEASE
INTERMEDIATE_SHIFT.F	CS3_MAIN.67	W48.Brown-Red	SHIFT DOWN
INTERMEDIATE_SHIFT.G	CS3_MAIN.47	W41.Brown-Yellow	SHIFT UP
INTERMEDIATE_SHIFT.H	CS3_MAIN.68	W49.Brown-White	SPORT MODE SWITCH
INTERMEDIATE_SHIFT.J	S6	W37.Black	S MODE SF COMMON
INTERMEDIATE_SHIFT.K	S6	W38.Black	S MODE SF COMMON
INTERMEDIATE_SHIFT.L	S6	W39.Black	S MODE SF COMMON
INTERMEDIATE_SHIFT.M	S10	W68.Blue-Orange	MLPS PARK
INTERMEDIATE_SHIFT.N	S8	W46.Blue-Red	MLPS REVERSE
INTERMEDIATE_SHIFT.P	S9	W51.Blue-Black	MLPS NEUTRAL
INTERMEDIATE_SHIFT.R	S7	W43.Blue-Yellow	MLPS D5/D4
INTERMEDIATE_SHIFT.S	CS3_MAIN.48	W42.White-Orange	SPORT MODE INDICATOR

From	To	Conductor	Notes
S1	CS3_MAIN.43	W17.Black	SOLENOID SWITCH GROUND A
S1	TRANS_MAIN.3	W6.Black	SOLENOID GROUND FOR SLT/SL2
S1	TRANS_MAIN.6	W7.Black	SOLENOID GROUND FOR SLT/SL2
S2	CS3_MAIN.44	W16.Black-White	SOLENOID SWITCH GROUND B
S2	TRANS_MAIN.4	W8.Black-White	SOLENOID GROUND FOR SL1/SLU
S2	TRANS_MAIN.5	W9.Black-White	SOLENOID GROUND FOR SL1/SLU
S3	CS3_MAIN.10	W27.Blue	MLPS D3
S3	INTERMEDIATE_SHIFT.B	W28.Blue	MLPS D3
S3	MLPS.3	W29.Blue	MLPS D3
S4	CS3_MAIN.26	W30.Red	12V SHIFT POWER
S4	INTERMEDIATE_SHIFT.A	W31.Red	12V SHIFT POWER
S4	MLPS.2	W32.Red	12V SHIFT POWER
S5	CS3_MAIN.31	W33.White-Green	MLPS D2/D1
S5	INTERMEDIATE_SHIFT.C	W34.White-Green	MLPS D2/D1
S5	MLPS.8	W35.White-Green	MLPS D2/D1
S6	CS3_MAIN.45	W36.Black	S MODE SF COMMON
S6	INTERMEDIATE_SHIFT.J	W37.Black	S MODE SF COMMON
S6	INTERMEDIATE_SHIFT.K	W38.Black	S MODE SF COMMON
S6	INTERMEDIATE_SHIFT.L	W39.Black	S MODE SF COMMON
S7	CS3_MAIN.50	W40.Blue-Yellow	MLPS D5/D4
S7	INTERMEDIATE_SHIFT.R	W43.Blue-Yellow	MLPS D5/D4
S7	MLPS.7	W44.Blue-Yellow	MLPS D5/D4
S8	CS3_MAIN.51	W45.Blue-Red	MLPS REVERSE
S8	INTERMEDIATE_SHIFT.N	W46.Blue-Red	MLPS REVERSE
S8	MLPS.1	W47.Blue-Red	MLPS REVERSE
S9	CS3_MAIN.70	W50.Blue-Black	MLPS NEUTRAL
S9	INTERMEDIATE_SHIFT.P	W51.Blue-Black	MLPS NEUTRAL
S9	MLPS.9	W52.Blue-Black	MLPS NEUTRAL
S10	CS3_MAIN.71	W53.Blue-Orange	MLPS PARK
S10	INTERMEDIATE_SHIFT.M	W68.Blue-Orange	MLPS PARK
S10	MLPS.6	W55.Blue-Orange	MLPS PARK
S11	CS3_MAIN.46	W57.Black	GND, TCC, NEUTRAL, REVERSE RELAYS



From	To	Conductor	Color	Size
NEUTRAL_SAFETY_SW	MLPS.4	W81.Green	Green	20 AWG
NEUTRAL_SAFETY_SWITCH	MLPS.5	W82.Yellow	Yellow	20 AWG

From	To	Conductor	Color	Size
REVERSE_LAMP_RELAY	CS3_MAIN.20	W65.White-Orange	White-Orange	20 AWG

Part Number 35301

Description TOYOTA A750 CS3 HARNESS

Revision \$REV5\$

Drawn By	Name	Date
UA	UA	09/01/20
Eng Approved	----	----
Mfg Approved	----	----
QA	----	----



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Title:	----
Part Number:	35301
Description:	TOYOTA A750 CS3 HARNESS

From	To	Conductor	Twisted With	From Contact PN	To Contact PN	From Wire Seal PN	To Wire Seal PN	Notes
CS3_MAIN.1	TRANS_MAIN.7	W12.Blue-White		33468-0004	8240-0287		7165-1199	SOLENOID SR
CS3_MAIN.3	TRANS_MAIN.14	W15.Green-Red		33468-0002	8240-0287		7165-1199	SOLENOID SLT
CS3_MAIN.4	TRANS_MAIN.13	W14.Green-White		33468-0002	8240-0287		7165-1199	SOLENOID SL1
CS3_MAIN.6	TRANS_MAIN.12	W11.Yellow-Blue		33468-0002	8240-0287		7165-1199	SOLENOID SL1
CS3_MAIN.10	S3	W27.Blue		33468-0004				MLPS D3
CS3_MAIN.15	TRANS_MAIN.11	W10.Yellow		33468-0002	8240-0287		7165-1199	SOLENOID SL2
CS3_MAIN.17	TRANS_MAIN.8	W13.White-Blue		33468-0002	8240-0287		7165-1199	SOLENOID S1
CS3_MAIN.18	TRANS_MAIN.15	W4.Brown-Yellow		33468-0002	8240-0287		7165-1199	SOLENOID S2
CS3_MAIN.20	REVERSE_LAMP_RELAY	W65.White-Orange		33468-0004				REVERSE SWITCH RELAY
CS3_MAIN.21	MAIN_FUSE.A	W71.Red		33468-0004	12084201		15324982	MAIN FUSE
CS3_MAIN.26	S4	W30.Red		33468-0004				12V SHIFT POWER
CS3_MAIN.31	S5	W33.White-Green		33468-0004				MLPS D2/D1
CS3_MAIN.32	T_CASE_SW	W26.Yellow-Black		33468-0004				TRANSFER CASE LOW RANGE SW
CS3_MAIN.33	TPS.C	W79.Green-Red		33468-0004	12089040		15324982	+5V
CS3_MAIN.37	TOSS.1	W18.Violet-Yellow	W19	33468-0004	81000461		7165-0395	TOSS INPUT HIGH
CS3_MAIN.38	TOSS.2	W19.Violet-Yellow	W18	33468-0004	81000461		7165-0395	TOSS INPUT LOW
CS3_MAIN.39	TPS.B	W77.Green		33468-0004	12089040		15324982	TPS SIGNAL
CS3_MAIN.40	TPS.A	W78.Green-White		33468-0004	12089040		15324982	TPS GROUND
CS3_MAIN.41	GND	W73.Black		33468-0004				MAIN GROUND
CS3_MAIN.43	S1	W17.Black		33468-0002				SOLENOID SWITCH GROUND A
CS3_MAIN.44	S2	W16.Black-White		33468-0002				SOLENOID SWITCH GROUND B
CS3_MAIN.45	S6	W36.Black		33468-0004				S MODE SF COMMON
CS3_MAIN.46	S11	W57.Black		33468-0004				GND, TCC, NEUTRAL, REVERSE RELAY
CS3_MAIN.47	INTERMEDIATE_SHIFT.G	W41.Brown-Yellow		33468-0004	12191818		15366021	SHIFT UP
CS3_MAIN.48	INTERMEDIATE_SHIFT.S	W42.White-Orange		33468-0004	12191818		15366021	SPORT MODE INDICATOR
CS3_MAIN.50	S7	W40.Blue-Yellow		33468-0004				MLPS D5/D4
CS3_MAIN.51	S8	W45.Blue-Red		33468-0004				MLPS REVERSE
CS3_MAIN.53	TRANS_MAIN.2	W3.Brown		33468-0002	8240-0287		7165-1199	TEMPERATURE 1 LOW
CS3_MAIN.54	TISS.2	W21.Violet	W20	33468-0004	81000461		7165-0395	INPUT SHAFT SPEED LOW
CS3_MAIN.63	CAN_BUS.2	W66.Tan	W67	33468-0004	1062-20-0122			CAN LOW
CS3_MAIN.64	CAN_BUS.1	W67.Tan-Black	W66	33468-0004	1062-20-0122			CAN HIGH
CS3_MAIN.67	INTERMEDIATE_SHIFT.F	W48.Brown-Red		33468-0004	12191818		15366021	SHIFT DOWN
CS3_MAIN.68	INTERMEDIATE_SHIFT.H	W49.Brown-White		33468-0004	12191818		15366021	SPORT MODE SWITCH
CS3_MAIN.70	S9	W50.Blue-Black		33468-0004				MLPS NEUTRAL
CS3_MAIN.71	S10	W53.Blue-Orange		33468-0004				MLPS PARK
CS3_MAIN.72	TRANS_MAIN.1	W1.Tan		33468-0002	8240-0287		7165-1199	TEMPERATURE 2 LOW
CS3_MAIN.74	TISS.1	W20.Violet	W21	33468-0004	81000461		7165-0395	INPUT SHAFT SPEED HIGH
CS3_MAIN.76	TRANS_MAIN.10	W5.Brown-Orange		33468-0002	8240-0287		7165-1199	TEMPERATURE 1 HIGH
CS3_MAIN.77	TRANS_MAIN.9	W2.Tan-Black		33468-0004	8240-0287		7165-1199	TEMPERATURE 2 HIGH
CS3_MAIN.80	TACH	W76.Brown		33468-0004				TACHOMETER INPUT
INTERMEDIATE_SHIFT.E	BRAKE_RELEASE	W56.Green		12191818		15366021		MLPS BRAKE RELEASE



Title:	----
Part Number:	35301
Description:	TOYOTA A750 CS3 HARNESS

From	To	Conductor	Twisted With	From Contact PN	To Contact PN	From Wire Seal PN	To Wire Seal PN	Notes
MAIN_FUSE.B	PWR_12V	W72.Red		12084201		15324982		FUSED POWER +12V
MLPS.4	NEUTRAL_SAFETY_SW	W81.Green		7165-0797				NEUTRAL SAFETY START SWITCH
MLPS.5	NEUTRAL_SAFETY_SWITCH	W82.Yellow		7165-0797				NEUTRAL SAFETY START SWITCH
S1	TRANS_MAIN.3	W6.Black			8240-0287		7165-1199	SOLENOID GROUND FOR SLT/SL2
S1	TRANS_MAIN.6	W7.Black			8240-0287		7165-1199	SOLENOID GROUND FOR SLT/SL2
S2	TRANS_MAIN.4	W8.Black-White			8240-0287		7165-1199	SOLENOID GROUND FOR SL1/SLU
S2	TRANS_MAIN.5	W9.Black-White			8240-0287		7165-1199	SOLENOID GROUND FOR SL1/SLU
S3	INTERMEDIATE_SHIFT.B	W28.Blue			12191818		15366021	MLPS D3
S3	MLPS.3	W29.Blue			8240-0287		7165-1199	MLPS D3
S4	INTERMEDIATE_SHIFT.A	W31.Red			12191818		15366021	12V SHIFT POWER
S4	MLPS.2	W32.Red			8100-0461		7165-0395	12V SHIFT POWER
S5	INTERMEDIATE_SHIFT.C	W34.White-Green			12191818		15366021	MLPS D2/D1
S5	MLPS.8	W35.White-Green			8240-0287		7165-1199	MLPS D2/D1
S6	INTERMEDIATE_SHIFT.J	W37.Black			12191818		15366021	S MODE SF COMMON
S6	INTERMEDIATE_SHIFT.K	W38.Black			12191818		15366021	S MODE SF COMMON
S6	INTERMEDIATE_SHIFT.L	W39.Black			12191818		15366021	S MODE SF COMMON
S7	INTERMEDIATE_SHIFT.R	W43.Blue-Yellow			12191818		15366021	MLPS D5/D4
S7	MLPS.7	W44.Blue-Yellow			8240-0287		7165-1199	MLPS D5/D4
S8	INTERMEDIATE_SHIFT.N	W46.Blue-Red			12191818		15366021	MLPS REVERSE
S8	MLPS.1	W47.Blue-Red			8100-0461		7165-0395	MLPS REVERSE
S9	INTERMEDIATE_SHIFT.P	W51.Blue-Black			12191818		15366021	MLPS NEUTRAL
S9	MLPS.9	W52.Blue-Black			8240-0287		7165-1199	MLPS NEUTRAL
S10	INTERMEDIATE_SHIFT.M	W68.Blue-Orange			12191818		15366021	MLPS PARK
S10	MLPS.6	W55.Blue-Orange			8240-0287		7165-1199	MLPS PARK