

From	To	Conductor	Notes
CS3_MAIN.1	TRANS_MAIN.7	W12.Light Blue	SOLENOID S3
CS3_MAIN.2	TRANS_MAIN.14	W15.Violet	SOLENOID S4
CS3_MAIN.3	TRANS_MAIN.13	W14.Green-Red	SOLENOID SLT
CS3_MAIN.4	TRANS_MAIN.12	W11.Green-White	SOLENOID SLU
CS3_MAIN.5	TRANS_MAIN.6	W7.Blue-White	SOLENOID SR
CS3_MAIN.6	TRANS_MAIN.11	W10.Yellow-Blue	SOLENOID SL1
CS3_MAIN.15	AUX.2	W83.Yellow	SOLENOID SL2
CS3_MAIN.16	TORQUE_REDUCTION.2	W24.Yellow-Red	TORQUE REDUCTION CALCULATION
CS3_MAIN.17	TRANS_MAIN.8	W13.White-Blue	SOLENOID S1
CS3_MAIN.18	TRANS_MAIN.15	W4.Brown-Yellow	SOLENOID S2
CS3_MAIN.19	NEUTRAL_RELAY.86	W62.White-Brown	NEUTRAL RELAY
CS3_MAIN.20	REVERSE_RELAY.86	W65.White-Orange	REVERSE RELAY
CS3_MAIN.21	MAIN_FUSE.A	W71.Red	+12V SYSTEM POWER
CS3_MAIN.26	S4	W30.Red	+12V SHIFT LEVER LOCK ECU
CS3_MAIN.27	TCC_SW.5	W69.Orange-Black	TCC MANUEL MODE SWITCH
CS3_MAIN.32	T_CASE_F.1	W26.Yellow-Black	TRANSFER CASE LOW RANGE SWITCH
CS3_MAIN.37	TOSS.1	W18.Violet-Yellow	OUTPUT SHAFT SPEED SENSOR HIGH
CS3_MAIN.38	TOSS.2	W19.Violet-Yellow	OUTPUT SHAFT SPEED SENSOR LOW
CS3_MAIN.39	TPS_SIG	W77.Green	TPS SIGNAL
CS3_MAIN.40	TPS_GND	W78.Green-White	TPS GROUND
CS3_MAIN.41	GND	W73.Black	CHASSIS GROUND
CS3_MAIN.43	S1	W17.Black-White	SOLENOID SL2, SLT GROUND
CS3_MAIN.44	S2	W16.Black	SOLENOID SL1, SLU GROUND
CS3_MAIN.45	S6	W36.Black-Orange	S MODE SF COMMON
CS3_MAIN.46	S11	W57.Black	GROUND TO SPLICE 11
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 SNESOR 1 GROUND
CS3_MAIN.54	TISS.2	W21.Violet	INPUT SHAFT SPEED SENSOR LOW
CS3_MAIN.63	CAN_BUS.2	W66.Tan	MAIN CAN BUS LOW
CS3_MAIN.64	CAN_BUS.1	W67.Tan-Black	MAIN CAN BUS HIGH
CS3_MAIN.66	TCC_SW.4	W70.Orange-White	TCC LED ON
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 SENSOR 2 GROUND
CS3_MAIN.74	TISS.1	W20.Violet	INPUT SHAFT SPEED SENSOR HIGH
CS3_MAIN.76	TRANS_MAIN.10	W5.Brown-Orange	TEMPERATURE SENSOR 1 HIGH
CS3_MAIN.77	TRANS_MAIN.9	W2.Tan-Black	TEMPERATURE SENSOR 2 HIGH
CS3_MAIN.80	TACH	W76.Brown	ENGINE SPEED SIGNAL

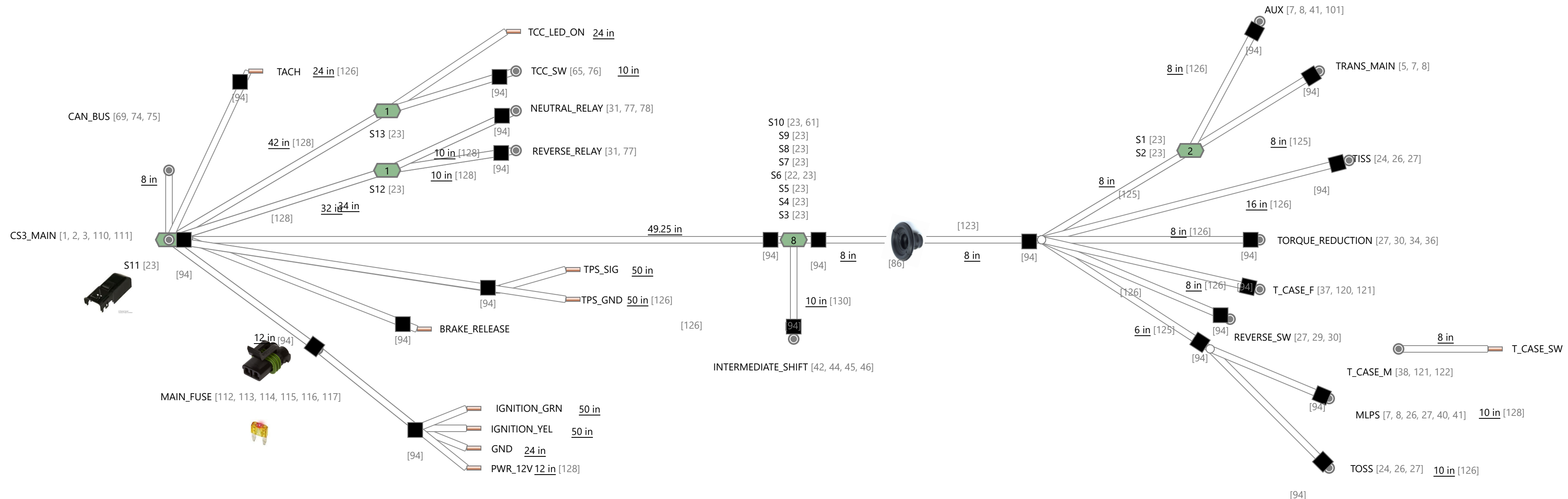
From	To	Conductor	Notes
S1	CS3_MAIN.43	W17.Black-White	SOLENOID SL2, SLT GROUND
S1	TRANS_MAIN.3	W6.Black-White	SOLENOID GROUND FOR SLT/SL2
S1	TRANS_MAIN.5	W82.Black-White	SOLENOID GROUND
S2	AUX.4	W9.Black	SOLENOID GROUND AUX
S2	CS3_MAIN.44	W16.Black	SOLENOID SL1, SLU GROUND
S2	TRANS_MAIN.4	W8.Black	SOLENOID GROUND FOR SL1/SLU
S4	CS3_MAIN.26	W30.Red	+12V SHIFT LEVER LOCK ECU
S4	INTERMEDIATE_SHIFT.A	W31.Red	12V SHIFT POWER
S4	MLPS.2	W32.Red	12V SHIFT POWER
S6	CS3_MAIN.45	W36.Black-Orange	S MODE SF COMMON
S6	INTERMEDIATE_SHIFT.J	W37.Black-Orange	S MODE SF COMMON
S6	INTERMEDIATE_SHIFT.K	W38.Black-Orange	S MODE SF COMMON
S6	INTERMEDIATE_SHIFT.L	W39.Black-Orange	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	W55.Blue-Orange	MLPS PARK
S11	CS3_MAIN.46	W57.Black	GROUND TO SPLICE 11
S11	S12	W59.Black	GROUND TO SPLICE 12
S11	TCC_SW.1	W58.Black	TCC GROUND
S12	NEUTRAL_RELAY.85	W60.Black	NEUTRAL_GROUND
S12	REVERSE_RELAY.85	W61.Black	REVERSE, GROUND
S12	S11	W59.Black	GROUND TO SPLICE 12
S13	INTERMEDIATE_SHIFT.D	W54.Light Blue	TCC SWITCH
S13	TCC_LED_ON	W64.Light Blue	TCC SWITCH
S13	TCC_SW.2	W63.Light Blue	TCC LED

From	To	Conductor	Notes
INTERMEDIATE_SHIFT.A	S4	W31.Red	12V SHIFT POWER
INTERMEDIATE_SHIFT.D	S13	W54.Light Blue	TCC SWITCH
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-Orange	S MODE SF COMMON
INTERMEDIATE_SHIFT.K	S6	W38.Black-Orange	S MODE SF COMMON
INTERMEDIATE_SHIFT.L	S6	W39.Black-Orange	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
NEUTRAL_RELAY.30	IGNITION_YEL	W74.Yellow	IGNITION CIRCUIT
NEUTRAL_RELAY.85	S12	W60.Black	NEUTRAL_GROUND
NEUTRAL_RELAY.86	CS3_MAIN.19	W62.White-Brown	NEUTRAL RELAY
NEUTRAL_RELAY.87a	IGNITION_GRN	W75.Green	IGNITION GREEN

Coverings	
Id	Assembly
[123]	
[125]	
[126]	
[128]	
[130]	

Revisions			
Rev.	Date	Author	Description
A	8/6/2020	Ulysses Aguirre	
B	10/21/2021	Ulysses Aguirre	CONDUIT COVER CHANGE TO TECHFLEX F6W



- [93] Toyota AB60 PN: 36101-WAT
- [93] CAN\_Bus Connector
- [93] TACHO SIGNAL INPUT Connect to Pin 9 on OBD Connector
- [93] Brake Release
- [93] Throttle Position Pickup Wires Solid Green = Signal Sweep Green/White = Ground
- [93] Neutral Start Relay Normally Closed Chaneover Relay Bosch Relay #332 209 150
- [93] Reverse Lamps Relay Normally Open Standard Relay Bosch Relay 332 019 150
- [93] TCC OEM Style Switch Connector Teal wire to Park lights for illumination
- [93] AUX Solenoid Connector
- [93] Main Solenoid Connector
- [93] TOSS Connector TOSS - Transmission Output Sensor Position - Rear
- [93] TISS Connector TISS - Transmission Output Sensor Position - Front
- [93] Reverse Lamps Connector Connects to Factory Manual Loom Reverse Sensor Connector
- [93] Intermediate Shift Connector
- [93] +12V Switched Clean Single Circuit
- [93] Ground to Battery or Block
- [93] Neutral Start to Ignition Circuit
- [93] Transfer Case Calculation Wire
- [93] Torque Reduction Wire
- [93] Shift Lever Switch

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

