Electrical Test Program – Test (CC)

⇒		Test scope	Test connection	Test condition	Nominal value	Possible cause/Remedy
1.0	064	**CC switch (S40)** **Model 124, 202, 210**				Wiring, Cruise control switch (S40).
			N4/1	Ignition: **ON**		
		V Decelerate/set	38 (1.38) — V — 10 (1.10)	CC switch not activated	< 1 V	
				Position **DECEL**	11 – 14 V	
		SP Resume	38 (1.38) — V — 31 (1.31)	Position **RESUME**	11 – 14 V	
		B Accelerate/set	38 (1.38) — V — 11 (1.11)	Position **ACCEL**	11 – 14 V	
		A Off	38 (1.38) — V — 33 (1.33)	Switch not activated	11 – 14 V	
				Position **OFF**	< 1 V	
		Control switch contact	38 (1.38) — V — 2 (1.2)	Switch not activated	< 1 V	
				Control switch contact in position: **DECEL., ACCEL.,** **RESUME OFF**	11 – 14 V	

Electrical Test Program – Test (CC)

⇒		Test scope	Test connection	Test condition	Nominal value	Possible cause/Remedy
[1.0]	064	**Models 129, 140**				
			N4/1	Ignition: **ON**		
				CC switch not activated	< 1 V	
		V Decelerate/set	79 (1.38) — V — 51 (1.10)	Position **DECEL**	11 – 14 V	
		SP Resume	79 (1.38) — V — 72 (1.31)	Position **RESUME**	11 – 14 V	
		B Accelerate/set	79 (1.38) — V — 52 (1.11)	Position **ACCEL**	11 – 14 V	
		A Off	79 (1.38) — V — 74 (1.33)	Switch not activated	11 – 14 V	
				Position **OFF**	< 1 V	
		Control switch contact	79 (1.38) — V — 43 (1.2)	Switch not activated	< 1 V	
				Control switch contact in position: **DECEL., ACCEL., RESUME, OFF**	11 – 14 V	

Electrical Test Program – Test (CC)

⇒		Test scope	Test connection	Test condition	Nominal value	Possible cause/Remedy
2.0		**Stop lamp switch (S9/1)**		Ignition: **ON**		Wiring,
		Signal (N.O. contact)		Brake pedal not applied	<1 V	Stop lamp switch (S9/1).
		Model 124, 202, 210	N4/1 38 — (1.38) — V — 30 (1.30)	Brake pedal applied	11 – 14 V	
		Model 129, 140	N4/1 79 — (1.38) — V — 71 (1.30)			
		Signal (N.C. contact)				
		Model 124, 202, 210	N4/1 38 — (1.38) — V — 13 (1.13)	Ignition: **ON** Brake pedal not applied	11 – 14 V	
				Brake pedal applied	<1 V	
		Model 129, 140	N4/1 79 — (1.38) — V — 54 (1.13)			

Electrical Test Program – Test (CC)

⇒		Test scope	Test connection	Test condition	Nominal value	Possible cause/Remedy
3.0	096	**Starter lock-out/backup lamp switch (S16/1)** Selector lever position recognition **Model 124, 202, 210**	N4/1 4 (1.4) — V — 35 (1.35)	Ignition: **ON** Transmission range: P/N R/D/3/2	 11 – 14 V < 1 V	Wiring, Starter lock-out/backup lamp switch (S16/1).
			N4/1 38 (1.38) — V — 29 (1.29)	Ignition: **ON** Transmission range: R P/N/D/3/2	 11 – 14 V < 1 V	
		Model 129, 140	N4/1 4 (1.4) — V — 35 (1.35)	Ignition: **ON** Transmission range: P/N R/D/3/2	 11 – 14 V < 1 V	
			N4/1 38 (1.38) — V — 29 (1.29)	Ignition: **ON** Transmission range: R P/N/D/3/2	 11 – 14 V < 1 V	

Electrical Test Program – Test (CC)

⇒		Test scope	Test connection	Test condition	Nominal value	Possible cause/Remedy
4.0	128 129 130	**Left front axle VSS sensor (L6/1)** Speed signal **Model 124, 202, 210**	N4/1 38 (1.38) — V — 15 (1.15)	Lift front of vehicle: Ignition: **ON** Turn left front wheel by hand. **Note:** Upon completion of test, erase DTC's from ASR control module memory	> 3 V	Wiring, Left front axle VSS sensor (L6/1), DM, Chassis & Drivetrain, Vol. 1, section 5.
		Model 129, 140	N4/1 79 (1.38) — V — 56 (1.15)		> 3 V	
5.0	112 115 117	**CAN data bus** **Model 124, 202, 210**	N4/1 20 (1.20) — Ω — 21 (1.21)	Ignition: **OFF**	55 – 65 Ω	Wiring, Engine control module (N3/4), EA/CC/ISC control module (N4/1).
		Model 129, 140	N4/1x1 "L" — Ω — "H"	Ignition: **OFF** Remove contact module. Measure resistance at connector for control module N4/1.	115 – 125 Ω	