
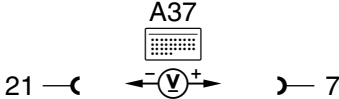
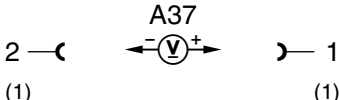
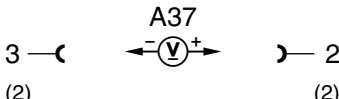
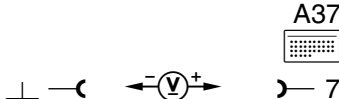
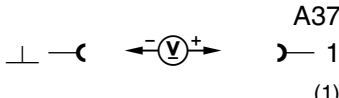
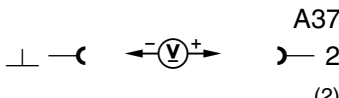



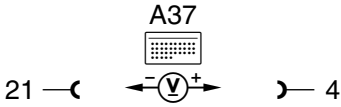
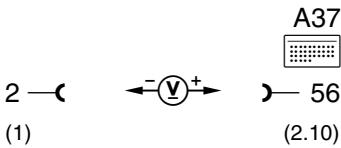
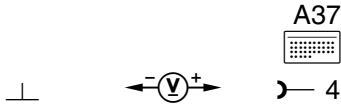
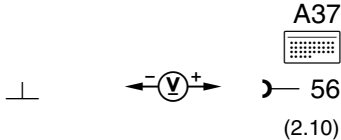
3.5 Pneumatic System Equipment (PSE)

Models 129, 140, 170 as of M.Y. 1998


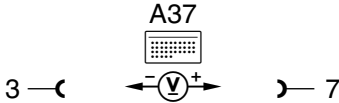
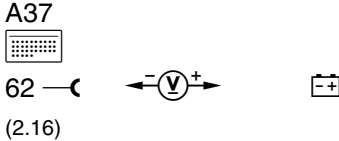
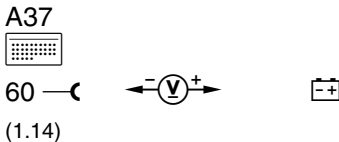
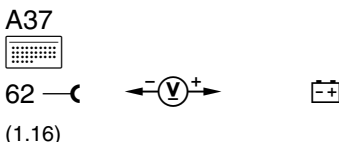
Electrical Test Program – Test

⇒		Test scope	Test connection	Test condition	Nominal value	Possible cause/Remedy
1.0		PSE control module (A37) Voltage supply Circuit 30, 31 Model 140			11 – 14 V	Circuit 31, ⇒ 1.1
		Model 129		Disconnect connector 1 on A37		
		Model 170		Disconnect connector 2 on A37		
1.1		Circuit 30				Circuit 31
		Model 140				
		Model 129		Disconnect connector 1 on A37		
		Model 170		Disconnect connector 2 on A37		


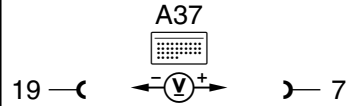
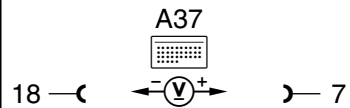
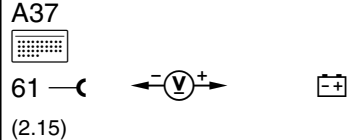
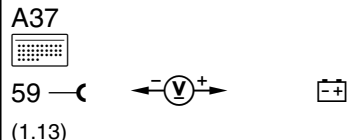
Electrical Test Program – Test

⇒		Test scope	Test connection	Test condition	Nominal value	Possible cause/Remedy
2.0		<p>PSE control module (A37) Voltage supply Circuit 15, 31 Model 140</p> <p>Model 129</p>	 	<p>Ignition: ON Ignition: OFF</p> <p>Model 129 only: Disconnect connector 1 from A37</p>	11 – 14 V >1 V	Circuit 31, ⇒ 2.1
2.1		<p>Circuit 15 Model 140</p> <p>Model 129</p>	 	<p>Ignition: ON Ignition: OFF</p>	11 – 14 V >1 V	Circuit 15

Electrical Test Program – Test

⇒		Test scope	Test connection	Test condition	Nominal value	Possible cause/Remedy
3.0		Left front door switch (S17/3) and right front door switch (S17/4) Model 140		Both front doors closed. Left door open.	>1 V 11 – 14 V	Wiring, S17/3, S17/4
		Model 129		Left and right door closed. Right door open.	>1 V 11 – 14 V	
4.0		Left front door switch (S17/3) Model 170		Left front door closed. Left front door open.	>1 V 11 – 14 V	Wiring, S17/3
5.0		Right front door switch (S17/4) Model 170		Right front door closed. Right front door open.	>1 V 11 – 14 V	Wiring, S17/4


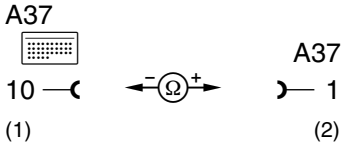

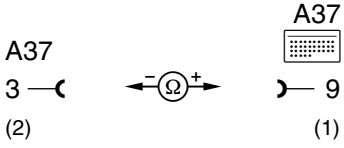

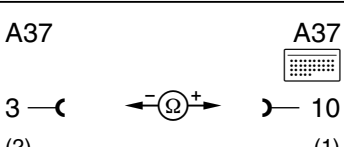

Electrical Test Program – Test

⇒		Test scope	Test connection	Test condition	Nominal value	Possible cause/Remedy
6.0		Left rear door switch (S17/5) and right rear door switch (S17/6) Model 140 only		Both rear doors closed. Left rear door open. Both rear doors closed. Right rear door open.	>1 V 11 – 14 V >1 V 11 – 14 V	Wiring, S17/5, S17/6
7.0		Rotary tumbler/trunk lid microswitch (S88/1) Model 140 Model 129	 	Trunk lid closed closed. Trunk lid open.	>1 V 11 – 14 V	Wiring, S88/1
8.0		Retractable hardtop closed limit switch (S69/1) (right pin) Model 170		Trunk lid closed. Trunk lid open.	<1 V 11 – 14 V	Wiring, S69/1




Electrical Test Program – Test

⇒		Test scope	Test connection	Test condition	Nominal value	Possible cause/Remedy
9.0		CAN data line L, PSE control module (A37), Combination control module (N10-3) -//- Model 170 only, Socket 9, Socket 62		Disconnect A37 from , Disconnect N10-3 from .	<1 Ω	Wiring.
10.0		CAN data line H, PSE control module (A37), Combination control module (N10-3) -//- Model 170 only, Socket 10, Socket 78		Disconnect A37 from , Disconnect N10-3 from .	<1 Ω	Wiring.
11.0		CAN data line L, PSE control module (A37), Combination control module (N10-3) ΓΓ+ Model 170 only, Socket 9, Socket 1		Disconnect A37 from , Disconnect battery ground cable. Disconnect N10-3	>20 kΩ	Wiring.

Electrical Test Program – Test

⇒		Test scope	Test connection	Test condition	Nominal value	Possible cause/Remedy
12.0		CAN data line H, PSE control module (A37), Combination control module (N10-3) Γ1+ Model 170 only, Socket 10, Socket 1		Disconnect A37 from  , Disconnect battery ground cable. Disconnect combination control module (N10-3).	>20 kΩ	Wiring.
13.0		CAN data line L, PSE control module (A37), Combination control module (N10-3) Γ1- Model 170 only, Socket 3, Socket 9		Disconnect A37 from  , Disconnect N10-3	>20 kΩ	Wiring.
14.0		CAN data line H, PSE control module (A37), Combination control module (N10-3) Γ1- Model 170 only, Socket 3, Socket 10		Disconnect A37 from  , Disconnect N10-3	>20 kΩ	Wiring.

Electrical Test Program – Test

⇒		Test scope	Test connection	Test condition	Nominal value	Possible cause/Remedy
15.0		Data line, CAN L / CAN H, PSE control module (A37), Combination control module (N10-3) ΓΓ- to each other Model 170 only, Socket 9, Socket 10		Disconnect A37 from  , Disconnect N10-3	>20 kΩ	Wiring.