























Electrical Test Program – Survey of Electrical Limit Switch Signals

Operational Sequence: Opening Soft Top

Limit switches engaged	Soft top compartment cover			Soft top			Fabric bow			Roll bar	Side windows
	locked	closed	open	locked	up	open	locked	closed	raised	retracted	down
	A24s2 A25s2	A24s1 A25s1	S84/5	S84/1 S84/2	S84/4	S84/3	A22s2 A23s2	A22s1 A23s1	S84/6	S83/1	S21/9 S21/8
Connection Diagram – Socket Box (Y) (22, Figure 2) Control module in diagnostic mode 22	Y  ⊥ 20 ⊥ 21	Y  ⊥ 25 ⊥ 26	Y  ⊥ 30	Y  ⊥ 16 ⊥ 17	Y  ⊥ 28	Y  ⊥ 27	Y  ⊥ 18 ⊥ 19	Y  ⊥ 23 ⊥ 24	Y  ⊥ 29	Y  ⊥ 31	Y  ⊥ 10 ⊥ 22
Roll bar retracted, side windows down	0–1 V	0–1 V	11–14 V	0–1 V	0–1 V	11–14 V	0–1 V	0–1 V	11–14 V	0–1 V	0–1 V
Fabric bow unlocked	0–1 V	0–1 V	11–14 V	0–1 V	0–1 V	11–14 V	11–14 V	0–1 V	11–14 V	0–1 V	0–1 V
Fabric bow raised	0–1 V	0–1 V	11–14 V	0–1 V	0–1 V	11–14 V	11–14 V	11–14 V	0–1 V	0–1 V	0–1 V
Soft top compartment cover unlocked	11–14 V	0–1 V	11–14 V	0–1 V	0–1 V	11–14 V	11–14 V	11–14 V	0–1 V	0–1 V	0–1 V
Soft top compartment cover open	11–14 V	11–14 V	0–1 V	11–14 V	0–1 V	11–14 V	11–14 V	11–14 V	0–1 V	0–1 V	0–1 V
Soft top unlocked in front	11–14 V	11–14 V	0–1 V	11–14 V	0–1 V	11–14 V	11–14 V	11–14 V	0–1 V	0–1 V	0–1 V
Soft top open	11–14 V	11–14 V	0–1 V	11–14 V	0–1 V	11–14 V	11–14 V	11–14 V	0–1 V	0–1 V	0–1 V
Soft top retracted into soft top compartment	11–14 V	11–14 V	0–1 V	11–14 V	11–14 V	0–1 V	11–14 V	11–14 V	0–1 V	0–1 V	0–1 V
Soft top compartment cover closed	11–14 V	0–1 V	11–14 V	11–14 V	11–14 V	0–1 V	11–14 V	11–14 V	0–1 V	0–1 V	0–1 V
Soft top compartment cover locked	0–1 V	0–1 V	11–14 V	11–14 V	11–14 V	0–1 V	11–14 V	11–14 V	0–1 V	0–1 V	0–1 V
Roll bar up, side windows up	0–1 V	0–1 V	11–14 V	11–14 V	11–14 V	0–1 V	11–14 V	11–14 V	0–1 V	11–14 V	11–14 V












Electrical Test Program – Survey of Electrical Limit Switch Signals

Operational Sequence: Closing Soft Top












Limit switches engaged	Soft top compartment cover			Soft top			Fabric bow			Roll bar	Side windows
	locked	closed	open	locked	open	up	locked	closed	raised	retracted	down
	A24s2 A25s2	A24s1 A25s1	S84/5	S84/1 S84/2	S84/4	S84/3	A22s2 A23s2	A22s1 A23s1	S84/6	S83/1	S21/9 S21/8
Connection Diagram – Socket Box (Y) (22, Figure 2) Control module in diagnostic mode 22	Y  ⊥ 20 ⊥ 21	Y  ⊥ 25 ⊥ 26	Y  ⊥ 30	Y  ⊥ 16 ⊥ 17	Y  ⊥ 28	Y  ⊥ 27	Y  ⊥ 18 ⊥ 19	Y  ⊥ 23 ⊥ 24	Y  ⊥ 29	Y  ⊥ 31	Y  ⊥ 10 ⊥ 22
Roll bar retracted, side windows down	0–1 V	0–1 V	11–14 V	11–14 V	11–14 V	0–1 V	11–14 V	11–14 V	0–1 V	0–1 V	0–1 V
Soft top compartment cover unlocked	11–14 V	11–14 V	11–14 V	11–14 V	11–14 V	0–1 V	11–14 V	11–14 V	0–1 V	0–1 V	0–1 V
Soft top compartment cover open	11–14 V	11–14 V	0–1 V	11–14 V	11–14 V	0–1 V	11–14 V	11–14 V	0–1 V	0–1 V	0–1 V
Soft top open (out of soft top compart.)	11–14 V	11–14 V	0–1 V	11–14 V	11–14 V	11–14 V	11–14 V	11–14 V	0–1 V	0–1 V	0–1 V
Soft top closed (Differential)	11–14 V	11–14 V	0–1 V	11–14 V	0–1 V	11–14 V	11–14 V	11–14 V	0–1 V	0–1 V	0–1 V
Soft top locked in front	11–14 V	11–14 V	0–1 V	0–1 V	0–1 V	11–14 V	11–14 V	11–14 V	0–1 V	0–1 V	0–1 V
Soft top compartment cover closed	11–14 V	0–1 V	11–14 V	0–1 V	0–1 V	11–14 V	11–14 V	11–14 V	11–14 V	0–1 V	0–1 V
Soft top compartment cover locked	0–1 V	0–1 V	11–14 V	0–1 V	0–1 V	11–14 V	11–14 V	11–14 V	0–1 V	0–1 V	0–1 V
Fabric bow raised	0–1 V	0–1 V	11–14 V	0–1 V	0–1 V	11–14 V	11–14 V	0–1 V	11–14 V	0–1 V	0–1 V
Fabric bow locked	0–1 V	0–1 V	11–14 V	0–1 V	0–1 V	11–14 V	0–1 V	0–1 V	11–14 V	0–1 V	0–1 V
Roll bar up, side windows up	0–1 V	0–1 V	11–14 V	0–1 V	0–1 V	11–14 V	0–1 V	0–1 V	11–14 V	11–14 V	11–14 V

Electrical Test Program – Survey of Electrical Limit Switch Signals

Operational Sequence: Hardtop Locking

Limit switches engaged	Soft top compartment cover			Soft top			Fabric retention bow			Roll bar	Side windows
	locked	closed	open	locked	open	up	locked	closed	raised	retracted	down
	A24s2 A25s2	A24s1 A25s1	S84/5	S84/1 S84/2	S84/4	S84/3	A22s2 A23s2	A22s1 A23s1	S84/6	S83/1	S21/9 S21/8
Connection Diagram – Socket Box (Y) (22, Figure 2) Control module in diagnostic mode 22	Y  ⊥ 20 ⊥ 21	Y  ⊥ 25 ⊥ 26	Y  ⊥ 30	Y  ⊥ 16 ⊥ 17	Y  ⊥ 28	Y  ⊥ 27	Y  ⊥ 18 ⊥ 19	Y  ⊥ 23 ⊥ 24	Y  ⊥ 29	Y  ⊥ 31	Y  ⊥ 10 ⊥ 22
Rear locks (locked)	0–1 V	0–1 V	11–14 V	11–14 V	11–14 V	0–1 V	0–1 V	0–1 V	0–1 V	0–1 V	11–14 V
Front locks (locked)	0–1 V	0–1 V	11–14 V	0–1 V	11–14 V	0–1 V	0–1 V	0–1 V	0–1 V	0–1 V	11–14 V

Operational Sequence: Hardtop Unlocking

Limit switches engaged	Soft top compartment cover			Soft top			Fabric retention bow			Roll bar	Side windows
	locked	closed	open	locked	open	up	locked	closed	raised	retracted	down
	A24s2 A25s2	A24s1 A25s1	S84/5	S84/1 S84/2	S84/4	S84/3	A22s2 A23s2	A22s1 A23s1	S84/6	S83/1	S21/9 S21/8
Connection Diagram – Socket Box (Y) (22, Figure 2) Control module in diagnostic mode 22	Y  ⊥ 20 ⊥ 21	Y  ⊥ 25 ⊥ 26	Y  ⊥ 30	Y  ⊥ 16 ⊥ 17	Y  ⊥ 28	Y  ⊥ 27	Y  ⊥ 18 ⊥ 19	Y  ⊥ Y23 ⊥ 24	Y  ⊥ 29	Y  ⊥ 31	Y  ⊥ 10 ⊥ 22
Front (unlock)	0–1 V	0–1 V	11–14 V	11–14 V	11–14 V	0–1 V	0–1 V	0–1 V	0–1 V	0–1 V	11–14 V
Rear (unlock)	0–1 V	0–1 V	11–14 V	11–14 V	11–14 V	0–1 V	11–14 V	0–1 V	0–1 V	0–1 V	11–14 V