

All values measured to ground unless

Conn./Plug/Pin	Pin Information	Test Value	Comments
<u>N52</u>			
X.1-2	pins not used		
X.3	Soft top open valve solenoid activation signal output	Open soft top 12 VDC	coil resistan
X.4	Soft top close valve solenoid activation signal output	Close soft top 12 VDC	coil resistan
X.5	Fabric bow raise valve solenoid activation signal output	Raise fabric bow 12 VDC	coil resistan
X.6	Fabric bow lower valve solenoid activation signal output	Lower fabric bow 12 VDC	coil resistan
X.7	Hydraulic relay activation signal output, also activates RB rod side valve	12 VDC with soft top open/close activated	
X.8	Main valve solenoid activation signal output	12 VDC with soft top open/close activated	
X.9	pin not used		
X.10	Main ground to W17	Approx. 0 Ohms to ground	
X.11	RB status indicator signal output	Ignition on 12 VDC	
X.12	Circuit 15 power input	Ignition on 12 VDC	Feed from F
Y.1	Soft top close signal switched ground input, initializes process to close soft top	Push S84 back: Approx. 12 VDC	
Y.2	Soft top open signal switched ground input, initializes process to open soft top	Push S84 forward: Approx. 12 VDC	
Y.3	RB switch raise signal input	Ignition on 5 VDC, raise RB < 1 VDC	
Y.4	RB switch lower signal input	Ignition on 5 VDC, lower RB < 1 VDC	
Y.5-8	pins not used		
Y.9	Wheel speed signal input	same as pin Y.35	
Y.10-12	pins not used		
Y.13	Doors and trunk lid actuator signal input	Lock via central locking system < 10 Ohms	
Y.14-15	pins not used		
Y.16	Left front soft top locked switch signal input	Soft top front: locked < 1 VDC, open 12 VDC	
Y.17	Right front soft top locked switch signal input	Soft top front: locked < 1 VDC, open 12 VDC	
Y.18	Left bow locked switch signal input	Fabric bow locked < 1VDC, unlocked 12 VDC	
Y.19	Right bow locked switch signal input	Fabric bow locked < 1VDC, unlocked 12 VDC	
Y.20	Soft top compartment left cover "locked" recognition, switched ground signal input	Compartment cover: locked < 1 VDC unlocked 12 VDC	
Y.21	Soft top compartment right cover "locked" recognition, switched ground signal input	Compartment cover: locked < 1 VDC unlocked 12 VDC	
Y.22	pin not used		
Y.23	Left bow closed switch signal input	Fabric bow closed < 1VDC, open 12 VDC	
Y.24	Right bow closed switch signal input	Fabric bow closed < 1VDC, open 12 VDC	
Y.25	Soft top compartment left cover "closed" recognition, switched ground signal input	Compartment cover: closed < 1 VDC open 12 VDC	
Y.26	Soft top compartment right cover	Compartment cover: closed < 1 VDC open 12	

	"closed"recognition, switched ground signal input	VDC	
Y.27	Soft top open switch signal input	Soft top up 12 VDC	
Y.28	Soft top overhead switch signal input	Soft top up < 1 VDC	
Y.29	Soft top fabric bow raised	Fabric bow raised < 1 VDC, lowered 12 VDC	
Y.30	Soft top compart. open switch signal input	Comp. cover: open < 1 VDC, closed 12 VDC	
Y.31	RB retracted switch signal input	RB lowered < 1VDC, raised 12 VDC	
Y.32	Malfunction/warning signal output	No reliable test. Signal will be audible when malfunction occurs	
Y.33	Hardtop warning and functional status indicator lamp signal output	0 VDC with warning light constantly lit	
Y.34	"Diagnostic port" for DTC readout and diagnostic purpose	Ignition on 12 VDC	To be tested to D.M.
Y.35	Vehicle speed signal input, used for hardtop unlock recognition during driving mode	Ignition on, lift front of vehicle, turn left wheel > 1 rev/sec by hand > 3 VAC or with vehicle moving 20 mph = 200 Hz measure square wave 35 mph = 330 Hz	
Z.1-2	pins not used		
Z.3	Front locks valve solenoid activation signal output	Measure to circuit 15, pin X.12 front hardtop: unlocked 12 VDC; locked 0 VDC	coil resistance
Z.4	Rear locks valve solenoid activation signal output	Measure to circuit 15, pin X.12 rear hardtop: unlocked 12 VDC; locked 0 VDC	coil resistance
Z.5	Center locks valve solenoid activation signal output	Measure to circuit 15, pin X.12. Soft top compartment cover: open 12 VDC; closed 0 VDC	coil resistance
Z.6	Soft top compartment valve solenoid activation signal output	Measure to circuit 15, pin X.12. Soft top compartment cover: open 12 VDC; closed 0 VDC	coil resistance
Z.7	"Diagnostic port" for DTC readout and diagnostic purpose	Ignition on 12 VDC	To be tested to D.M.
Z.8	RB piston side valve solenoid activation signal input	12 VDC with soft top open/close activated	
Z.9-10	pins not used		
Z.11	Circuit 30 main power input	12 VDC at all times	Feed from fuse
Z.12	pin not used		
Notes	Also refer to DM Body and Access. Vol 3a section 11.2 For hydraulic test refer to section 11.2 / 31	See matrix in section 11.2 / 24 for test values of switch positions related to hardtop/RB status	

