2006 SYSTEM WIRING DIAGRAMS

MINI - Cooper

USING MITCHELL1'S WIRING DIAGRAMS

For information on using these wiring diagrams, see USING MITCHELL1'S SYSTEM WIRING DIAGRAMS article.

AIR CONDITIONING
Fig. 1: Automatic A/C Circuit, W/ Dual Stage Cooling Fans (1 of 2)
Fig. 2: Automatic A/C Circuit, W/ Dual Stage Cooling Fans (2 of 2)
Fig. 3: Automatic A/C Circuit, W/ Single Stage Cooling Fans (1 of 2)
Fig. 4: Automatic A/C Circuit, W/ Single Stage Cooling Fans (2 of 2)
Fig. 5: Manual A/C Circuit, W/ Dual Stage Cooling Fans
Fig. 6: Manual A/C Circuit, W/ Single Stage Cooling Fans

ANTI-LOCK BRAKES
Fig. 7: Anti-lock Brakes Circuit, W/ Dynamic Stability Control
Fig. 8: Anti-lock Brakes Circuit, W/ Traction Control & W/O Dynamic Stability Control
Fig. 9: Anti-lock Brakes Circuit, W/O Traction Control & W/O Dynamic Stability Control

ANTI-THEFT
Fig. 10: Anti-theft Circuit, Convertible
Fig. 11: Anti-theft Circuit, Except Convertible
Fig. 12: Immobilizer Circuit

BODY CONTROL MODULES
Fig. 13: Body Control Modules Circuit (1 of 2)
Fig. 14: Body Control Modules Circuit (2 of 2)

COMPUTER DATA LINES
Fig. 15: Data Link Connector Circuit
Fig. 16: High/Low Bus Circuit

COOLING FAN
Fig. 17: Cooling Fan Circuit, Dual Stage
Fig. 18: Cooling Fan Circuit, Single Stage

CRUISE CONTROL
Fig. 19: Cruise Control Circuit

DEFOGGERS
Fig. 20: Heated Windshield Circuit
Fig. 21: Rear Defogger & Heated Mirrors Circuit

ELECTRONIC POWER STEERING
Fig. 22: Electronic Power Steering Circuit

ENGINE PERFORMANCE

1.6L
Fig. 23: 1.6L, Engine Performance Circuit (1 of 2)
Fig. 24: 1.6L, Engine Performance Circuit (2 of 2)

1.6L SC
Fig. 25: 1.6L SC, Engine Performance Circuit (1 of 2)
Fig. 26: 1.6L SC, Engine Performance Circuit (2 of 2)

EXTERIOR LIGHTS
Fig. 27: Back-up Lamps Circuit
Fig. 28: Exterior Lamps Circuit (1 of 2)
Fig. 29: Exterior Lamps Circuit (2 of 2)

GROUND DISTRIBUTION
Fig. 30: Ground Distribution Circuit (1 of 4)
Fig. 31: Ground Distribution Circuit (2 of 4)
Fig. 32: Ground Distribution Circuit (3 of 4)
Fig. 33: Ground Distribution Circuit (4 of 4)

HEADLIGHTS
Fig. 34: Headlamps Circuit
Fig. 35: Headlamps Leveling Circuit

HORN
Fig. 36: Horn Circuit

INSTRUMENT CLUSTER
Fig. 37: Instrument Cluster Circuit
Fig. 38: On-Board Computer Circuit

INTERIOR LIGHTS
Fig. 39: Courtesy Lamps Circuit, Convertible
Fig. 40: Courtesy Lamps Circuit, Except Convertible
Fig. 41: Instrument Illumination Circuit

NAVIGATION
Fig. 42: Navigation Circuit
Fig. 43: Parking Assistant Circuit

POWER DISTRIBUTION
Fig. 44: Power Distribution Circuit (1 of 5)
Fig. 45: Power Distribution Circuit (2 of 5)
Fig. 46: Power Distribution Circuit (3 of 5)
Fig. 47: Power Distribution Circuit (4 of 5)
Fig. 48: Power Distribution Circuit (5 of 5)

POWER DOOR LOCKS
Fig. 49: Power Door Locks Circuit, Convertible
Fig. 50: Power Door Locks Circuit, Except Convertible

POWER MIRRORS
Fig. 51: Electrochromic Mirror Circuit
Fig. 52: Fold-back Mirrors Circuit
Fig. 53: Power Mirror Circuit

POWER SEATS
Fig. 54: Heated Seats Circuit

POWER TOP/SUNROOF
Fig. 55: Convertible Top Circuit
Fig. 56: Sunroof Circuit

POWER WINDOWS
Fig. 57: Power Windows Circuit, Convertible
Fig. 58: Power Windows Circuit, Except Convertible

RADIO
Fig. 59: Base Radio Circuit, W/ Telephone Provisions
Fig. 60: Base Radio Circuit, W/O Telephone Provisions
Fig. 61: Premium Sound Radio Circuit (1 of 2)
Fig. 62: Premium Sound Radio Circuit (2 of 2)

SHIFT INTERLOCK
Fig. 63: Shift Interlock Circuit

STARTING/CHARGING
Fig. 64: Charging Circuit
Fig. 65: Starting Circuit

SUPPLEMENTAL RESTRAINTS
Fig. 66: Supplemental Restraints Circuit (1 of 2)
Fig. 67: Supplemental Restraints Circuit (2 of 2)

TRANSMISSION

1.6L
Fig. 68: 1.6L, Transmission Circuit

1.6L SC
Fig. 69: 1.6L SC, Transmission Circuit (1 of 2)
Fig. 70: 1.6L SC, Transmission Circuit (2 of 2)

TRUNK, TAILGATE, FUEL DOOR
Fig. 71: Trunk, Tailgate, Fuel Door Circuit, Convertible
Fig. 72: Trunk, Tailgate, Fuel Door Circuit, Except Convertible

WIPER/WASHER
Fig. 73: Front Wiper/Washer Circuit, Convertible
Fig. 74: Front Wiper/Washer Circuit, Except Convertible
Fig. 75: Headlamp Washer Circuit
Fig. 76: Rear Wiper/Washer Circuit
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HOT IN ON
OR START

FUSE
F35
5A

10
X10204

GRN/YEL

GRN/YEL
1
NCA

LEFT HEATED
WINDSHIELD
WASHER NOZZLE

NCA
2
BRN

GRN/YEL
1
NCA

RIGHT HEATED
WINDSHIELD
WASHER NOZZLE

NCA
2
BRN

X165

(RIGHT SIDE OF ENGINE COMP)
Fig. 77: Washer Jet Heater Circuit