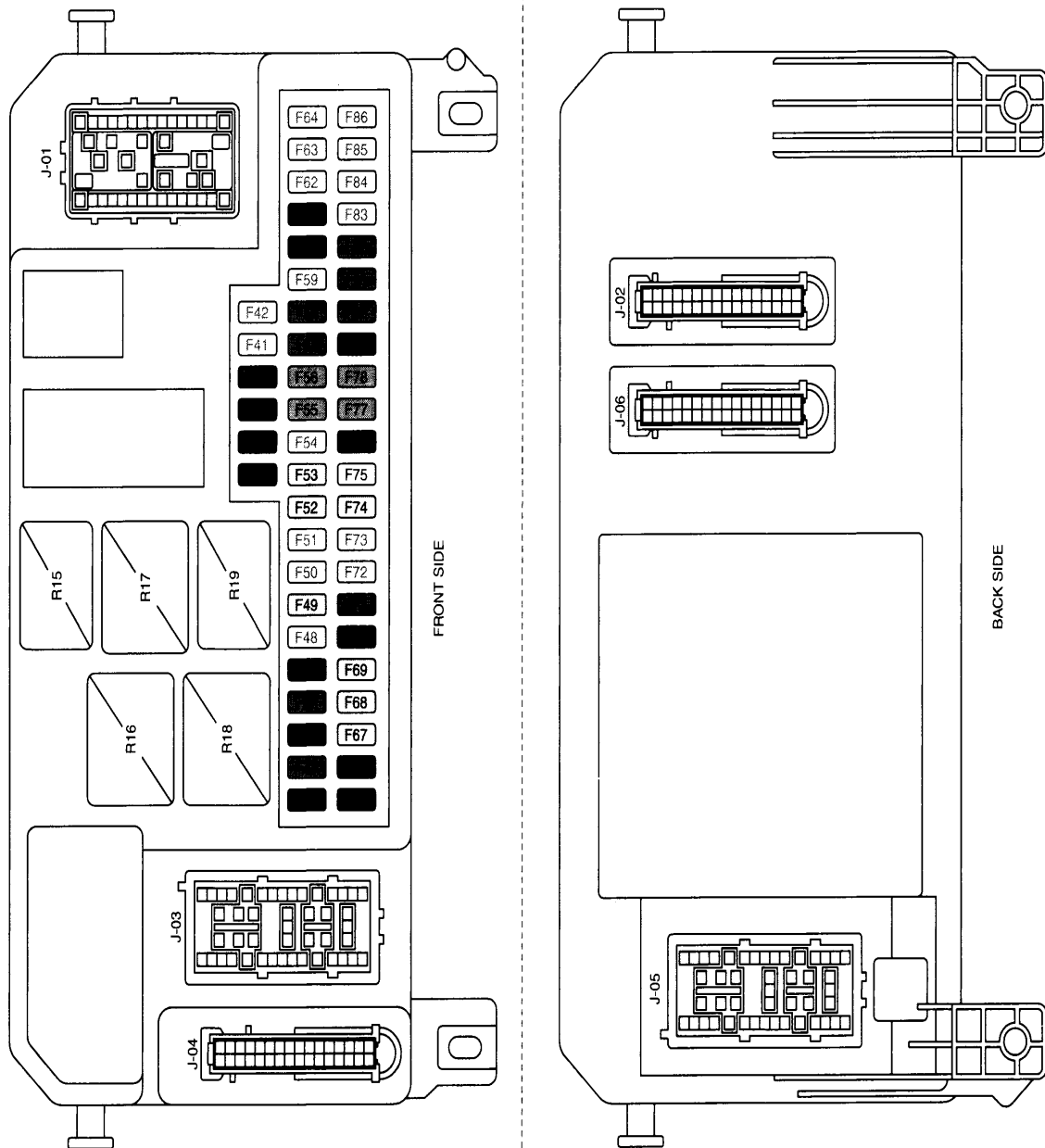


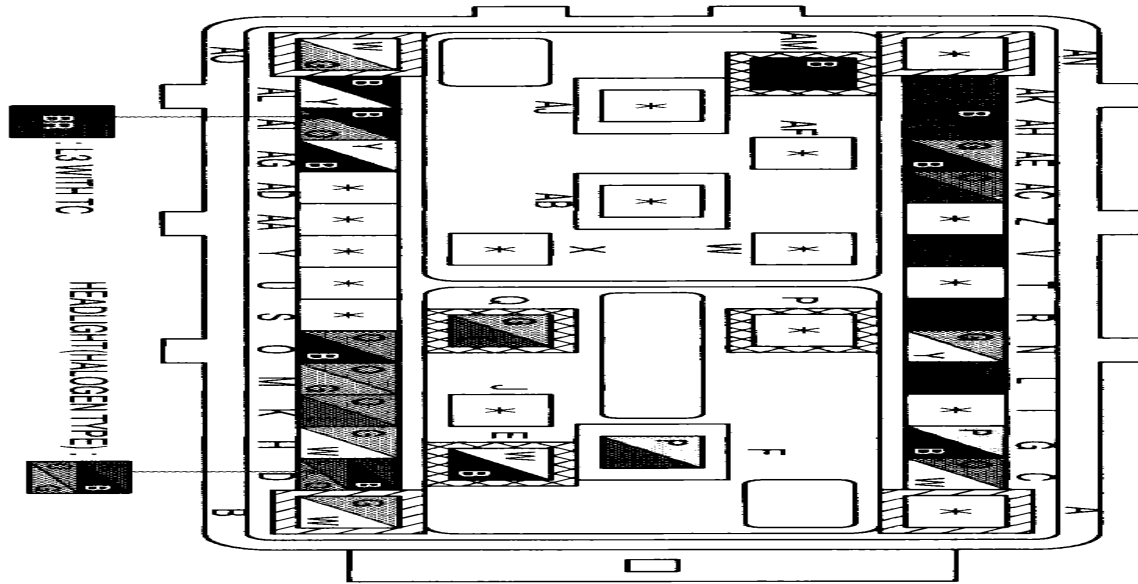
2007 Mazdaspeed3 PJB Connector Pinout

Contributed by rotus8

Connector Arrangement



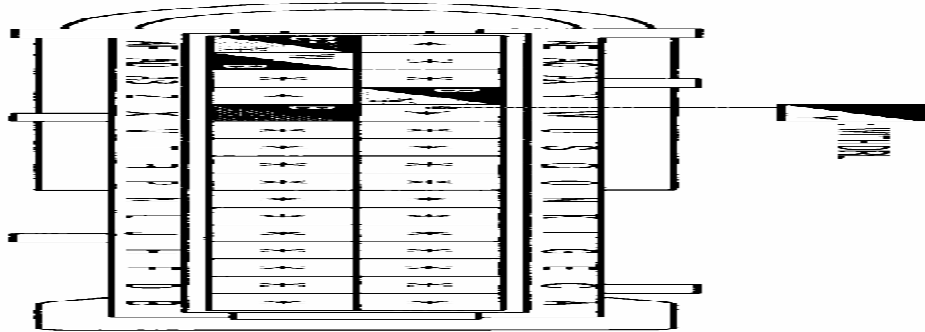
Connector J-01 Front Harness



Pin#	Color	Function
A	Unused	Unused
B	Green/White	Power to ABS hydraulic unit/control module and electro/hydraulic power steering control module and steering angle sensor from fuse F67 (20A) – from ignition switch
C	Orange/White	Headlight low beam right, fuse F60 (15A) (HID) power to headlight leveling actuator
D	Blue/Orange	(HID) Left HID head light, fuse F61 (15A)
D	Orange/Green	(Halogen) Front fog light, fuse F61 (15A)
D	Red/Black	Power to front fog light relay
E	White/Black	Wiper motor high
F	Pink/Blue	12 Volts from main fuse block F3 (40A)
G	Pink/Black	Rear window defroster relay power, heater blower relay power
H	Green/White	Back up light switch (power to switch from fuse F79), from ignition switch
I	Unused	Unused
J	Unused	Unused
K	Orange/Blue	Right parking light, from fuse F46 (7.5A)
L	Blue/Red	Front right turn lights
M	Orange/Green	Right headlight high fuse F40 (10A)
N	Green/Yellow	Rear window defroster relay contact
O	Orange/Black	Left headlight high fuse F39 (10A)
P	Unused	Unused
Q	Green/Blue	Power to PCM and control relays from fuse F69 (20A), from ignition switch
R	Red	12 volts from main fuse block F31 for “room” (15A)

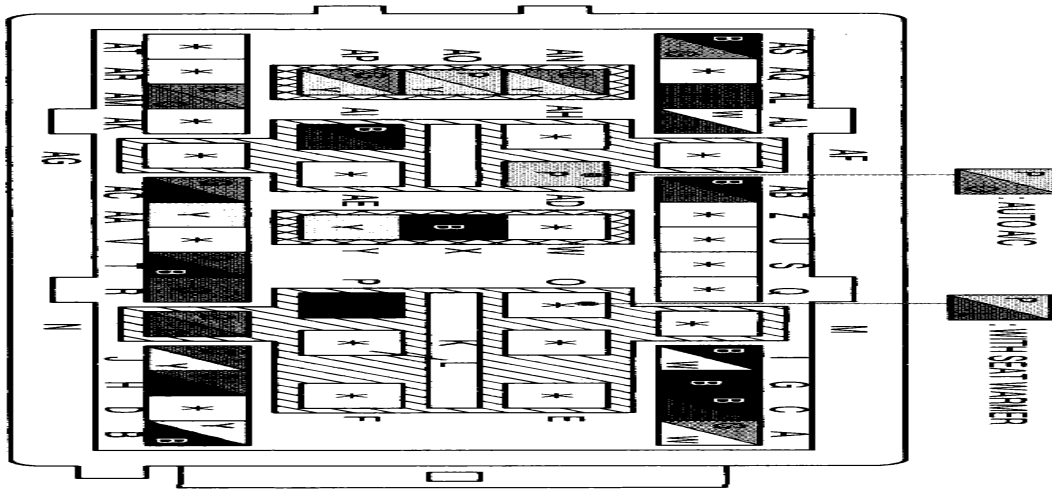
Pin#	Color	Function
S	Unused	Unused
T	Unused	Unused
U	Unused	Unused
V	Red/Blue	Brake light switch signal to PCM
W	Unused	Unused
X	Unused	Unused
Y	Unused	Unused
Z	Unused	Unused
AA	Unused	Unused
AB	Unused	Unused
AC	Orange/Blue	Left parking light from fuse F81 (7.5A)
AD	Unused	Unused
AE	Green/Black	Back up light switch
AF	Unused	Unused
AG	Yellow/Black	Windshield washer motor
AH	Black/Blue	Rear window defroster relay control
AI	Black/Orange	Wiper motor park
AJ	Unused	Unused
AK	Blue	Front left turn lights
AL	Black/Yellow	Brake fluid level sensor
AM	Black/Red	12 Volts in for head lights from main panel F4 (40A)
AN	Unused	Unused
AO	White/Green	Wiper motor low speed

Connector J-02 Front Harness



Pin#	Color	Function
A	Unused	Unused
B	Unused	Unused
C	Unused	Unused
D	Unused	Unused
E	Unused	Unused
F	Unused	Unused
G	Unused	Unused
H	Unused	Unused
I	Unused	Unused
J	Unused	Unused
K	Unused	Unused
L	Unused	Unused
M	Unused	Unused
N	Unused	Unused
O	Unused	Unused
P	Unused	Unused
Q	Unused	Unused
R	Unused	Unused
S	Unused	Unused
T	Unused	Unused
U	Unused	Unused
V	Unused	Unused
W	Red/Yellow	DRL relay control
X	Black/Red	Front fog light relay control
Y	Black/Yellow	Hood switch
Z	Unused	Unused
AA	Unused	Unused
AB	Unused	Unused
AC	Unused	Unused
AD	White/Black	Ambient temperature sensor
AE	Unused	Unused
AF	Brown/Yellow	Ambient temperature sensor

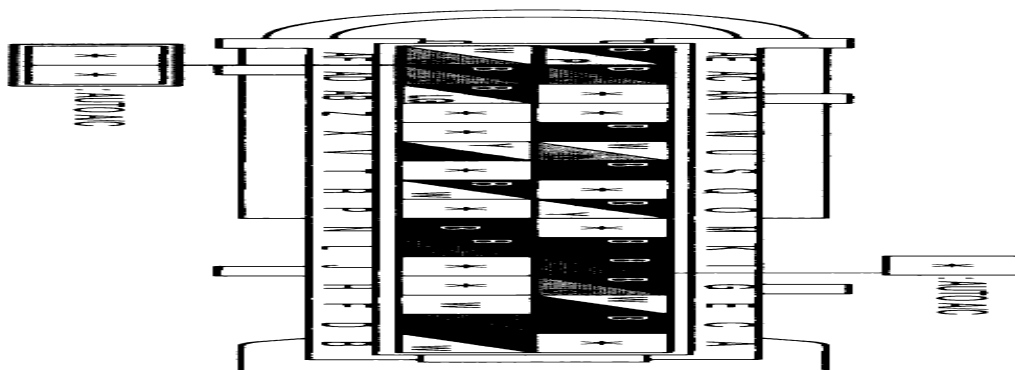
Connector J-03 Instrument Panel Harness



Pin#	Color	Function
A	Green/White	Shift lock relay contact
B	Yellow/Black	Windshield wiper and washer switch – washer switch
C	Black/Red	Ground
D	Unused	Unused
E	Unused	Unused
F	Unused	Unused
G	Black	Shift lock relay control
H	Orange/Blue	Illumination relay contact from fuse F82 (7.5A)
I	Black/White	Light switch parking lights on
J	Orange/Yellow	Data link connector pin A - power (10A fused, F47)
K	Unused	Unused
L	Unused	Unused
M	Unused	Unused
N	Green/Orange	Windshield wiper and washer switch power from fuse F53 (20A)
O	Pink/Blue	Seat warmer switch power from F74 (20A) accessory switched
P	Red	Ignition key illumination etc., constant power
Q	Unused	Unused
R	Orange	Climate control unit battery power
S	Unused	Unused
T	Orange/Black	Constant power to key interlock solenoid and Instrument cluster
U	Unused	Unused
V	Unused	Unused
W	Unused	Unused
X	Black	Ground
Y	Yellow	Accessory power from ignition switch
Z	Unused	Unused

Pin#	Color	Function
AA	Yellow	Audio unit from fuse F44 (7.5A) accessory switched
AB	Black/Blue	Ignition key illumination
AC	Green/Red	Instrument cluster power from fuse F66 (10A)
AD	Pink	(Manual AC) Climate control unit switched power
AD	Pink/Orange	(Auto AC) Climate control unit switched power
AE	Unused	Unused
AF	Unused	Unused
AG	Unused	Unused
AH	Unused	Unused
AI	Black/Blue	Illumination - dash lights
AJ	White/Violet	Panel light control switch
AK	Unused	Unused
AL	Red	Headlight leveling switch from F60 (15A)
AM	Green/Orange	Air bag control module power from F65 (10A)
AN	Orange/Yellow	Cigarette lighter from fuse F43 (15A)
AO	Pink/Yellow	12 volts in from ignition switch #2
AP	Green/Yellow	12 volts in from ignition switch #1
AQ	Unused	Unused
AR	Unused	Unused
AS	Black/Green	Light switch - headlights on
AT	Unused	Unused

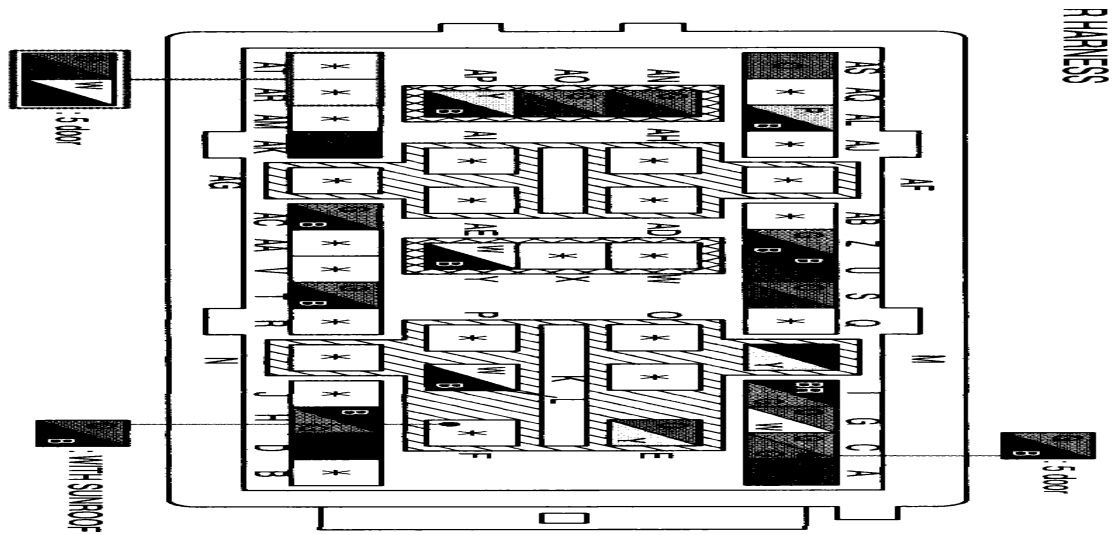
Connector J-04 Instrument Panel Harness



Pin#	Color	Function
A	Unused	Unused
B	Blue/White	Data link connector pin K - MS CAN bus L
C	Black/Red	Windshield wiper and washer switch – wipers high speed
D	Grey/Violet	Data link connector pin L - MS CAN bus H
E	White/Red	Windshield wiper and washer switch – wipers speed control
F	White	Signal from keyless entry/ Tire pressure monitoring system control module
G	Black/Green	Windshield wiper and washer switch - wipers low speed

Pin#	Color	Function
H	Unused	Unused
I	Black/Orange	Climate control unit
J	Unused	Unused
K	Black/Blue	Turn switch - right
L	Black/Orange	Light switch - high beam
M	Unused	Unused
N	Black	Horn switch
O	Black/Yellow	Turn switch - left
P	Unused	Unused
Q	Unused	Unused
R	Black/White	Rear wiper and washer switch – rear wiper on
S	Black/Blue	Rear wiper and washer switch – rear wiper intermittent
T	Unused	Unused
U	White/Green	Windshield wiper and washer switch - auto
V	Yellow/Violet	Rear wiper and washer switch – rear wash
W	Black/Red	Front fog light switch
X	Unused	Unused
Y	Unused	Unused
Z	Unused	Unused
AA	Unused	Unused
AB	Black/L.Green	Parking brake switch
AC	Black/Orange	Hazard warning switch
AD	Black/Green	Climate control unit
AE	Black/Pink	Light switch - headlights auto mode
AF	White/Green	Climate control unit

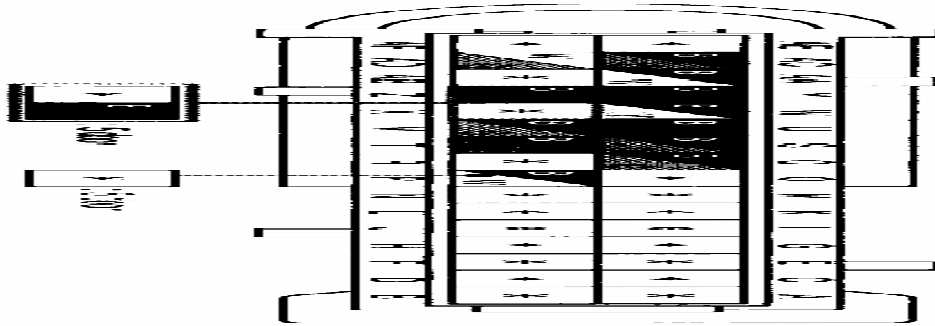
Connector J-05 Rear Harness



Pin#	Color	Function
A	Blue	Rear left turn light
B	Unused	Unused
C	Green/Orange	(4-Door) Backup lights
C	Green/Blue	(5-Door) Backup lights
D	Red	Power to brake switch and horn relay from fuse F38 (10A)
E	Green/Yellow	Power outer mirror switch power from F45 (10A) (accessory switched)
F	Orange/Black	Unswitched power to Sunroof unit F52 (20A)
G	Orange/White	Tail light left from fuse F81 (7.5A)
H	Black/Green	Rain sensor ground
I	Brown/Green	Rain sensor
J	Unused	Unused
K	Unused	Unused
L	White/Black	Door lock actuator “unlock” driver’s door
M	Red/Yellow	Brake switch
N	Unused	Unused
O	Unused	Unused
P	Unused	Unused
Q	Unused	Unused
R	Unused	Unused
S	Orange/Blue	Keyless control module (also TPMS controller) constant power, Map light and interior lights and trunk light power
T	Green/Black	Rain sensor power from fuse F70 (10A)
U	Black/Blue	Map light and interior lights control
V	Unused	Unused
W	Unused	Unused
X	Unused	Unused

Pin#	Color	Function
Y	White/Black	Door lock passenger actuators “unlock”
Z	Green/Black	Heated outer mirror through fuse F58 (7.5A)
AA	Unused	Unused
AB	Unused	Unused
AC	Green/Black	Seat weight sensor control module switched power from F71 (7.5A)
AD	Unused	Unused
AE	Unused	Unused
AF	Unused	Unused
AG	Unused	Unused
AH	Unused	Unused
AI	Unused	Unused
AJ	Unused	Unused
AK	Blue/Red	Rear right turn light
AL	Pink/Blue	Keyless control module (also TPMS) ignition switched power, Sunroof unit & switch ignition switched power fuse F80 (7.5A)
AM	Unused	Unused
AN	Green/Blue	Power window sub-switch from fuse F78 (30A)
AO	Green/Blue	Power window main switch from fuse F77 (30A)
AP	Yellow/Black	Door lock actuators “lock”
AQ	Unused	Unused
AR	White/Red	(5-door) Rear wiper motor autopark switch
AS	Orange	Tail light right and license plate light from fuse F46 (7.5A)
AT	Orange/Blue	(5-door) Rear wiper motor

Connector J-06 Rear Harness



Pin#	Color	Function
A	Unused	Unused
B	Unused	Unused
C	Unused	Unused
D	Unused	Unused
E	Unused	Unused
F	Unused	Unused
G	Unused	Unused
H	Unused	Unused
I	Unused	Unused
J	Unused	Unused
K	Unused	Unused
L	Unused	Unused
M	Unused	Unused
N	Unused	Unused
O	Unused	Unused
P	Black/White	(4-door) Trunk lid key cylinder switch
Q	Black/Green	Door latch switch right rear
R	Unused	Unused
S	Black/Orange	Door latch switch left rear
T	Black/Blue	Door lock switches passenger doors
U	Black/Blue	Door latch switch front passenger
V	Black/Green	Driver Door lock link switch “unlock”
W	Black/Yellow	Door latch switch driver’s door
X	Black/Red	(5-door) Cargo compartment light switch
Y	Black/Blue	Door key cylinder switch “set”
Z	Black/Red	(4-door) Trunk compartment light switch
AA	Black/White	Door key cylinder switch “reset”
AB	Unused	Unused
AC	Black/Orange	Driver door lock link switch “lock”
AD	White/Green	Rain sensor
AE	Unused	Unused
AF	Unused	Unused

Relays

No.	Relay Name
R15	Unused
R16	Unused
R17	Unused
R18	Unused
R19	Running light relay
R20	Unused
R21	Unused
R22	Trunk lid opener relay
R23	Headlight low relay
R24	Shift light relay
R25	Front wiper low relay
R26	Front wiper high relay
R27	Headlight high relay
R28	TNS relay
R29	Driver side unlock relay
R30	Double lock relay
R31	Door unlock relay
R32	Door lock relay
R33	Rear wiper relay
R34	Rear fog light Relay

Fuses

No.	Size	Source	Fuse Name
F37	15A	Main F3	Door lock – driver side
F38	10A	Main F3	Stop lamp & Horn relay
F39	10A	Headlight high relay	Headlight high left
F40	10A	Headlight high relay	Headlight high right
F41	Unused		Unused
F42	Unused		Unused
F43	15A	Accessory	Cigar
F44	7.5A	Accessory	Radio
F45	10A	Accessory	Power mirrors
F46	7.5A	TNS relay	Tail lights right
F47	10A	Main F3	OBD connector
F48	Unused		Unused
F49	20A		TR/Lock <Unused>
F50	Unused		Unused
F51	Unused		Unused
F52	20A	Main F3	Sun roof motor

No.	Size	Source	Fuse Name
F53	20A	Ignition2	Washers & rear wiper motor
F54	Unused		Unused
F55	30A		Power windows right <Unused>
F56	30A		Power windows left <Unused>
F57	7.5A		Alarm <Unused>
F58	7.5A	Rear Defrost	Mirror heat
F59	Unused		Unused
F60	15A	Headlight low relay	Headlight low right
F61	15A	Headlight low relay	Headlight low left
F62	Unused		Unused
F63	Unused		Unused
F64	Unused		Unused
F65	10A	Ignition1	Air bag controller
F66	10A	Ignition1	Meter, shift lock relay, key transponder coil
F67	20A	Ignition1	Ignition, ABS hydraulic unit control module, Electro hydraulic power steering control module
F68	20A	Main F3	Windshield wiper motor
F69	20A	Ignition1	Engine – fuel pump relays, fuel injector relay, ignition coils, PCM, transaxle control module
F70	10A	Ignition1	Rain sensor
F71	7.5A	Ignition1	Air bag controller #2
F72	Unused		Unused
F73	Unused		Unused
F74	20A	Ignition2	Seat warmer
F75	25A	Main F3	Door Locks - passenger
F76	10A	Ignition2	Air conditioning
F77	30A	Ignition1	Power window left
F78	30A	Ignition1	Power window right
F79	10A	Ignition1	Back-up lights
F80	7.5A	Ignition2	Sun roof control, keyless control module, TPMS control
F81	7.5A	TNS relay	Tail lights left
F82	7.5A	TNS relay	Dash Illumination
F83	Unused		Unused
F84	Unused		Unused
F85	Unused		Unused
F86	Unused		Unused