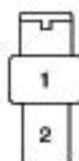


M01 Blower Motor

- 2 Female / White (KET_29Q_02F_W)

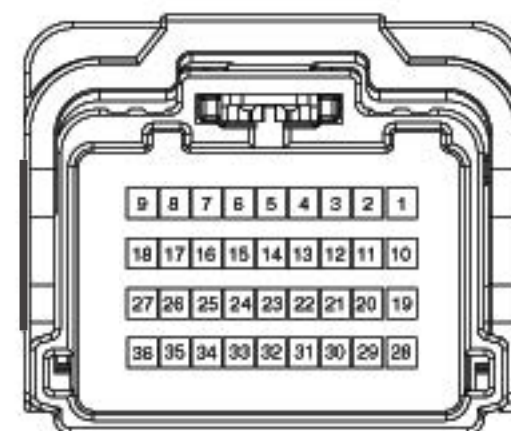


1. R E/R Fuse & Relay Box -
Blower Relay

2. Auto A/C
P FET (Field Effect Transistor)
Manual A/C
L Blower Switch, Blower Resistor

M02 SRS Control Module

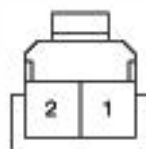
- 36 Female / Green (JST_WMC_36F_G)



1. L	1/P Junction Box - A/B A G 10A	19. B	Ground (G1404)
2. -	-	20. -	-
3. Gr	Instrument Cluster (Air Bag IND.)	21. G	BCM (Crash Unlock)
4. L/O	Driver Air Bag - High (1st Stage)	22. G/B	Driver Air Bag - High (2nd Stage)
.R	Driver Air Bag - Low (1st Stage)	23. L	Driver Air Bag - Low (2nd Stage)
6. -	-	24. -	-
7. -	-	25. -	-
8. Br	Driver FIS High	26. L	Passenger FIS High
9. G	C-CAN High	27. -	-
10. -	-	28. -	-
11. -	-	29. -	-
12. L	Telltale Lamp	30. -	-
13. L	Passenger Air Bag - High (1st Stage)	31. G	Passenger Air Bag - High (2nd Stage)
14. Br	Passenger Air Bag - Low (1st Stage)	32. W	Passenger Air Bag - Low (2nd Stage)
15. -	-	33. -	-
16. -	-	34. -	-
17. W	Driver FIS Low	35. O	Passenger FIS Low
18. O	C-CAN Low	36. -	-

M03 Evaporator Sensor

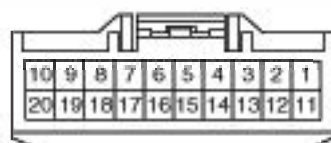
- 2 Female / White (AMP_070_02F_V)



- | | |
|--|---|
| 1. Auto A/C
W A/C Control Module (Sensor +)
Manual A/C
Br A/C Control Module (Sensor +) | 2. Gr A/C Control Module
(Sensor Ground) |
|--|---|

M04-A ICM Relay Box

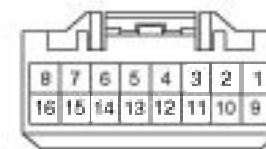
- 20 Female / White (AMP_0301L_20F_V)



- | | |
|---|---|
| 1. Br Rear Wiper Relay (Rear Wiper Motor) | 11. L Rear Wiper Relay
(IP Junction Box - WIPERR 15A) |
| 2. V/B Rear Wiper Relay
(IPS Control Module) | 12. W Rear Wiper Relay
(Rear Wiper Motor) |
| 3. G DBC Relay (ESC Module,
High Alarm/ Stop Lamp,
Stop Lamp L/R/H) | 13. - - |
| 4. - - | 14. - - |
| 5. V/B DBC Relay (ESC Module) | 15. B Two Turn Unlock Relay
(Ground (GND2)) |
| 6. Gr DBC Relay
(IP Junction Box - MOD U. E 1 10A) | 16. Y/B Two Turn Unlock Relay
(IPS Control Module) |
| 7. G DBC Relay (Stop Lamp Switch) | 17. Br Two Turn Unlock Relay
(IP Junction Box - DR LOCK 15A) |
| 8. L DBC Relay
(E/R Fuse & Relay Box -
STOP LP 10A) | 18. G Two Turn Unlock Relay
(Door Lock Actuator) |
| 9. - - | 19. - - |
| 10. - - | 20. - - |

M04-B ICM Relay Box

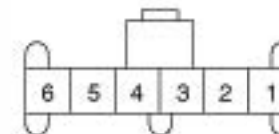
- 16 Female / White (AMP_0801L_16F_V)



- | | |
|---|---------|
| 1. - - | 8. - - |
| 2. - - | 10. - - |
| 3. - - | 11. - - |
| 4. Br Flasher Sound Relay
(IP Junction Box - HAZARD 15A) | 12. - - |
| 5. Y Flasher Sound Relay (BCM) | 13. - - |
| 6. - - | 14. - - |
| 7. - - | 15. - - |
| 8. - - | 16. - - |

M05 Incar Sensor (Auto A/C)

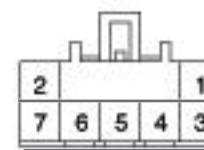
- 6 Female / White (KET_01A_06F_V)



- | | |
|--|------------------------------------|
| 1. - - | 4. R A/C Control Module (Sensor +) |
| 2. Gr A/C Control Module (Sensor Ground) | 5. - - |
| 3. - - | 6. - - |

M07 Intake Actuator

- 7 Female / White (KUB_LCDR_07F_V)



- | | |
|---|---------------------------------------|
| 1. - - | 6. Br A/C Control Module (VTR) |
| 2. - - | 6. Gr A/C Control Module (F/B) |
| 3. Auto A/C - Br / Manual A/C - B
A/C Control Module (FNE) | 7. Gr A/C Control Module (Sensor GND) |
| 4. P A/C Control Module (REC) | |

M09 Ignition Key ILL. & Door Warning Switch (W/O Smart Key)

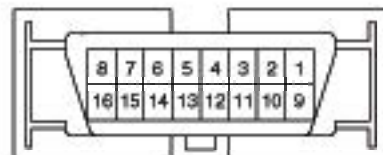
- 6 Male / White (KET_0401L06M_W)



1. W	Antenna (-)	4. P	BCM - Switch Input
2. Br	Antenna (+)	5. ●	BCM - Key Hole ILL.
3. B	Ground (CAM1)	6. ●	VP Junction Box - ROOM LP 10A

M10 Data Link Connector

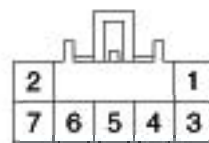
- 18 Female / Black (MLX_08DIL18_B_SIN)



1. -	-	9. G	VP Junction Box - ROOM LP 10A
2. -	-	10. -	-
3. G	C-CAN High	11. O	C-CAN Low
4. B	Ground (GM01)	12. -	-
5. B	Ground (GM01)	13. W	Body K-L line
6. Br	Vehicle Speed Signal	14. -	-
7. -	-	15. -	-
8. -	-	16. -	-

M11 Mode Actuator

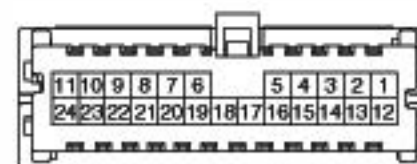
- 7 Female / White (KUBL_CDR_07F_W)



1. -	-	5. Gr	A/C Control Module (Sensor GND)
2. -	-	6. G	A/C Control Module (F/B)
3. L	A/C Control Module (DEF)	7. Br	A/C Control Module (Vr:G)
4. R	A/C Control Module (VENT)		

M13-A BCM

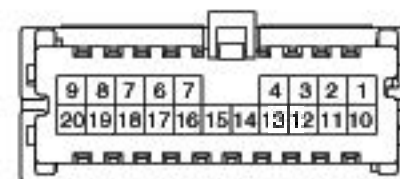
- 24 Female / White (KET_0401L24F_W)



1. R	VP Junction Box - ROOM LP 10A	13. L/O	VP Junction Box - AUDIO 2 10A
2. Br	VP Junction Box - MODULE 57.5A	14. L	Rear Washer Switch
3. G	VP Junction Box - MODULE 210A	15. G/B	Rear Wiper Switch
4. W	Turn Signal Switch LH	16. O	Rear Wiper - INT.
5. P	Turn Signal Switch RH	17. Br	Front Washer Switch
6. Br/B	Back-Up Signal	18. W/B	Front Wiper - INT.
7. G	SRS (Crash Unlocked)	19. P	Front Wiper - Mist
8. R	Auto Light Sensor Power	20. Y/B	Front Wiper - INT. (Time)
9. -	-	21. P	Door Warning Switch - Input
10. -	-	22. Y	Tail Lamp Switch
11. Y	Hazard Switch	23. G/B	Key Inter Lock Switch
12. ●	Alternator	24. B	Ground (GM01)

M13-B BCM

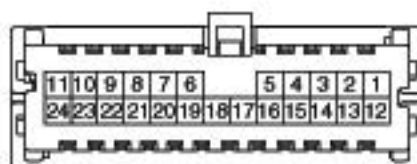
- 20 Female / White (KET_0401L20F_W)



1. -	-	11. Y	Auto Light Switch
2. L	Head Lamp Switch	12. O	Front Fog Lamp Switch
3. P	Head Lamp High Switch	13. -	-
4. -	-	14. W	Front Wiper Deicer Switch Input
5. W	Body K-Line	15. W	Rear Defogger Switch Input
6. -	-	16. -	-
7. -	-	17. -	-
8. L	B-CAN High	18. -	-
9. R	B-CAN Low	19. R	Auto Light Sensor Signal
10. W	Auto Light Ground	20. B	Head Lamp Signal

M13-C BCM

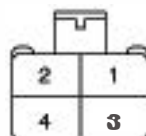
- 24 Female / Gray (MET_04011L_24F_GRAY)



1. G	Slide by Power Window	13. -	-
2. R/O	Security IND.	14. -	-
3. G	Door Unlock Signal	15. -	-
4. G/B	Key Solenoid	16. -	-
5. Br	Room Lamp Control	17. G	Key Hole ILL. Control
6. Gr	Turn Hazard Lamp Output - FL	18. -	-
7. Y/B	Turn Hazard Lamp Output - FR	19. O	AV Tail Signal
8. W	Turn Hazard Lamp Output - RL	20. Y	Washer Sound Relay
9. P	Turn Hazard Lamp Output - RR	21. O/B	Front Wiper Relay
10. Br	IP Junction Box - HAZARD 16A	22. -	-
11. Br	IP Junction Box - HAZARD 16A	23. -	-
12. B	Ground (GM01)	24. -	-

M14 FET (Field Effect Transistor) (Auto A/C)

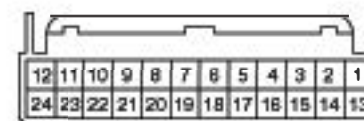
- 4 Female / Black (MET_250_04F_B)



1. P	Blower Motor	3. B	Ground (GM00)
2. R	Drain	4. W/B	Gate

M15-A Instrument Cluster

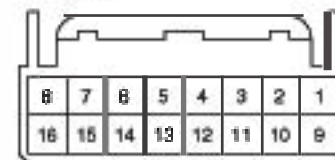
- 24 Female / White (KET_025_F02_24F_W)



1. G	IP Junction Box - ROOM LP 10A	13. L	Made Switch
2. Gr/O	IP Junction Box - CLUSTER 10A	14. L	Rheostat Up Switch
3. R/O	ILL. (+)	15. G	Rheostat Down Switch
4. -	-	16. O	Fuel Sender (+)
5. G	C-CAN High	17. Br	4 Pulse Output (AVT)
6. O	C-CAN Low	18. -	-
7. -	-	19. -	-
8. L	B-CAN High	20. -	-
9. R	B-CAN Low	21. UO	ILL. (-)
10. -	-	22. B	Fuel Sender (-)
11. Br	Vehicle Speed Input (WT)	23. B	Ground (GM01)
12. -	-	24. B	Ground (GM01)

M15-B Instrument Cluster

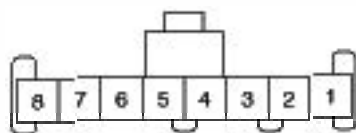
- 16 Female / White (AMP_025_16F_W)



1. -	-	8. G	Charge IND.
2. -	-	10. Gr	SRS (Air Bag) IND.
3. UO	IP Junction Box - A/BAG IND 10A	11. -	-
4. -	-	12. -	-
5. -	-	13. -	-
6. Br/O	W/O Smart Key - MEMO IND. With Smart Key - Smart Key Control Module	14. Y/B	Check Engine IND.
7. -	-	15. -	-
8. Y/B	Oil Pressure Switch	16. -	-

M16 Auto Light & Photo Sensor

- 8 Female / White (KET_91A_06F_W)



1. R	Auto Light Sensor - Signal	5. P	BCM - Security W/D.
2. W	Auto Light Sensor - Ground	6. L	Auto A/C - Gun (-) (Driver)
3. B	Auto A/C - Gun (-) (Passenger)	7. Br	Auto A/C Control Module - Vref
4. LB	VP Junction Box - ROOM LP 10A	8. R	Auto Light Sensor - Supply

M17-A EPS Control Module

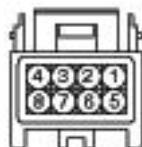
- 2 Female / Black (AMP_37S_06F_B)



1. B	Ground (GM05)	2. R	E/R Fuse & Relay Box - MOPS 80A
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M17-B EPS Control Module

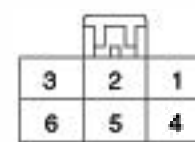
- 8 Female / Black (FKD_A006A_06F_2)



1. R	VP Junction Box - MODULE 1 10A	5. -	-
2. -	-	6. -	-
3. -	-	7. G	C-CAN High
4. -	-	8. O	C-CAN Low

M18 Ignition Switch (W/O Smart Key)

- 6 Female / White (KUM_0SD_06F_W)



1. R	E/R Fuse & Relay Box - IGN 2 40A	4. P	ON or START Output
2. L	ON Output	5. P	E/R Fuse & Relay Box - IGN 1 80A
3. G	START Output	6. W	ACC or ON Output

M19 Key Solenoid (W/O Smart Key & A/T)

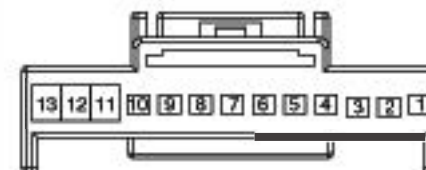
- 2 Female / White (KET_09011_06F_W_L)



1. WB	VP Junction Box - SMART KEY 10A	2. GB	BCM
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M20-L Multifunction Switch (Light)

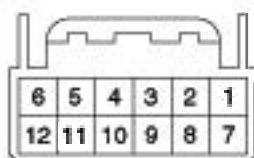
- 13 Female / White (KET_0409_13F_W)



1. Y	BCM - Tail Lamp Switch	8. -	-
2. B	Ground (GM01)	9. P	BCM - Head Lamp High Switch
3. Y	BCM - Auto Light Switch	10. B	BCM - Head Lamp Low Signal
4. L	BCM - Head Lamp Switch	11. W	BCM - Turn Signal Lamp Switch LH
5. B	Ground (GM01)	12. Br/O	VP Junction Box - MODULE 1 10A
6. O	BCM - Front Fog Lamp Switch	13. P	BCM - Turn Signal Lamp Switch RH
7. -	-		

M20-R Multifunction Switch (Remote Control)

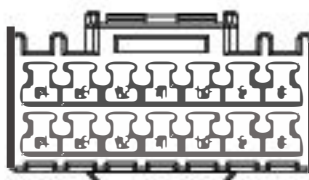
- 12 Female / White (AMP_025_12F_W)



1. -	-	7. -	-
2. L/P	ILL. (-)	8. -	-
3. P/O	ILL. (+)	9. -	-
4. L	Audio Remote Control	10. G	Cruise Control Switch Supply
5. Gr	Audio Remote Control Ground	11. L	Cruise Control Switch Signal
6. Gr	Horn Switch	12. B	Cruise Control Switch Ground

M20-W Multifunction Switch (WIPER)

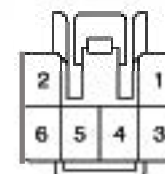
- 14 Female / White (KET_009011_14F_W)



1. P	BCM - Front Wiper Switch (INT.)	8. YWB	BCM - Front Wiper Switch (INT.)
2. Gr	E/R Fuse & Relay Box - WIPER FRT. L/R Relay	9. P	Front Wiper Motor HI
3. G	Front Wiper Motor L/R	10. Y	I/P. Junction Box - WIPER FRT 25A
4. B	Ground (GMA01)	11. Br	BCM - Front Washer Signal, Front Washer Motor
5. Y/B	BCM - Front Wiper Switch (INT. Time)	12. L	I/P. Junction Box - WIPER RR 16A
6. G/B	BCM - Rear Wiper Switch (INT.)	13. L	BCM - Rear Washer Switch
7. B	BCM - Rear Wiper Switch (INT.)	14. -	-

M21 Cluster Ionizer (Auto A/C)

- 6 Female / White (KET_030_06F_W)



1. B	Ground (GMA02)	4. P	Clean Signal
2. O	I/P Junction Box - MODULE 410A	5. G	Ion Diagnosis
3. O	Ion Signal	6. -	-

M22 Driver Air Bag

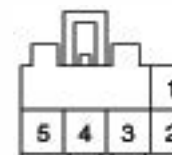
- 4 Female / Yellow (YAZ_040_04F_Y)



1. R	SRS - 1st Stage Low	3. L	SRS - 2nd Stage Low
2. L/O	SRS - 1st Stage High	4. G/B	SRS - 2nd Stage High

M23 Immobilizer Module (W/O Smart Key)

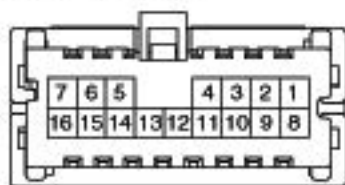
- 5 Female / White (KUM_GDR_05F_W)



1. Br	Antenna (+)	4. L	EMS Box - SENSOR 1 10A
2. W	Antenna (-)	5. L	PCM Data Line
3. B	Ground (GMA05)		

M24 AUX & USB Jack (W/O A/V & Navigation)

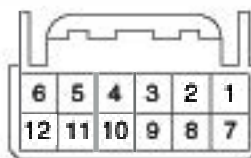
- 16 Female / White (KET_040111_16F_W)



1. W	USB/POD - VDD	8. -	-
2. B	USB - D (-)	9. -	-
3. Y	USB - D (+)	10. B	Ground (GM03)
4. B	USB/POD - GND	11. -	-
5. -	-	12. -	-
6. B	AUX - REF	13. -	-
7. Y	AUX - L IN	14. L	AUX - DET
8. R/O	ILL. (+)	15. -	-
		16. Br	AUX - R IN

M25 AUX & USB Jack (With A/V & Navigation)

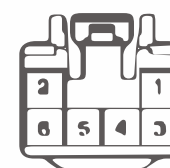
- 12 Female / White (AMP_025_12F_W)



1. Y	L IN	7. B	REF
2. Br	R IN	8. -	-
3. ●	DET	9. -	-
4. -	-	10. -	-
5. -	-	11. -	-
6. R/O	ILL. (+)	12. B	Ground (GM03)

M26 ESC Off Switch

- 6 Female / Black (KET_0001_06F_B)



1. R/O	ILL. (+)	4. Gr	IP Junction Box - MODULE 1 10A
2. -	-	5. O/B	ESC Module
3. UO	ILL. (-)	6. -	(ESC Off Switch 'ON')
			-

M27 DBC Switch

- 6 Female / Gray (KET_0301_06F_Gr)



1. R/O	ILL. (+)	4. Gr	IP Junction Box - MODULE 1 10A
2. -	-	5. O	ESC Module
3. UO	ILL. (-)	6. -	(DBC Switch 'ON')
			-

M28 4WD Lock Switch

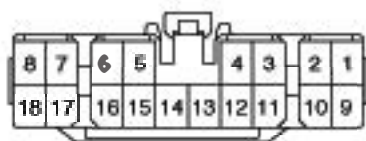
- 6 Female / Brown (KET_030111_06F_Br)



1. R/O	ILL. (+)	4. Y	4WD ECM
2. -	-	5. B	Ground (GM01)
3. UO	ILL. (-)	6. -	-

M30 Console Switch

- 18 Female / White (KET_09011_18F_W)



1. -	-	11. R	W/P Junction Box - S/HEATER FRT 15A
2. L/O	ILL (-)	12. W	Passenger Seat Warmer Relay (High)
3. R/O	ILL (+)	13. L	Passenger Seat Warmer Relay (Low)
4. Br	Driver Seat Warmer Switch (IND, GND)	14. B	Ground (GM01)
5. Br	Passenger Seat Warmer Switch (IND, GND)	15. -	-
6. -	-	16. -	-
7. -	-	17. -	-
8. P	W/P Junction Box - CLUSTER 10A	18. -	-
9. W	Driver Seat Warmer Relay (High)		
10. L	Driver Seat Warmer Relay (Low)		

M31 Front Wiper Deicer Switch (W/O Smart Key)

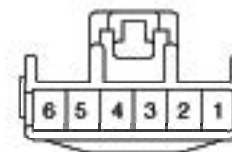
- 6 Female / White (KET_090111_06F_W)



1. R/O	ILL (+)	4. P	Ground (GM01)
2. B	Ground (GM01)	5. W	BCM (Deicer Switch Input)
3. L/O	ILL (-)	6. G	E/R Fuse & Relay Box - DEICER Relay

M32 Hazard Switch

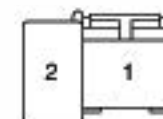
- 6 Female / White (KET_09011_06F_W_SW)



1. R/O	ILL (+)	4. -	-
2. L/O	ILL (-)	5. Y	BCM - Hazard Switch Signal
3. -	-	6. B	Ground (GM02)

M33 Glove Box Lamp

- 2 Female / Black (AMP_PLIM2_02F_B)



1. R/O	ILL (+)	2. G	Glove Box Switch
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M34 Glove Box Lamp Switch

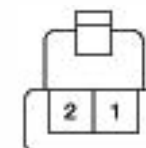
- 2 Female / White (MET_157_02F_W)



1. G	Glove Box Lamp	2. B	Ground (GM01)
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M39 ODO Trip Switch

- 2 Female / Black (AMP_040611_02F_B)



1. L	Instrument Cluster - Mode Switch	2. B	Ground (GM01)
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M40 Cigarette Lighter & Front Power Outlet

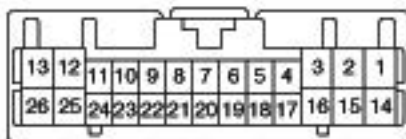
- 6 Female / White (KET_09011_06F_W)



1. L	VP Junction Box - POWEROUTLET 2 2SA	3. B	Ground (GM02)
2. G	VP Junction Box - POWEROUTLET 1 1SA	4. -	-
		5. R/O	ILL (+)
		6. B	Ground (GM02)

M41-A A/C Control Module (Auto)

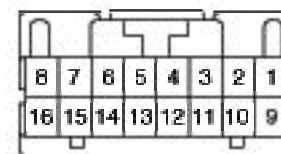
- 26 Female / White (KET_0407_26F_W)



1. G	VP Junction Box - ROOM LP 10A	14. Br	Vref (+5V)
2. R/O	ILL (+)	15. ⚫	Cluster Lock/Unlock Signal
3. ⚫	VP Junction Box - MODULE 410A	16. Br	Intake Actuator (FREE)
4. Y	Driver Temp. Actuator (Cool)	17. P	Intake Actuator (REC)
5. ⚫	Driver Temp. Actuator (Warm)	18. P	Cluster Lock/Unlock Signal
6. -	-	19. P	VP Junction Box - ROOM 7.5A
7. R	Mode Actuator (VENT)	20. Y	Passenger Temp. Actuator (Cool)
8. L	Mode Actuator (DEF)	21. P	Passenger Temp. Actuator (Warm)
9. -	-	22. WB	FET (Gate)
10. -	-	23. R	FET (Drain)
11. -	-	24. -	-
12. UO	ILL (-)	25. -	-
13. B	Ground (GM01)	26. Gr	Sensor Ground

M41-B A/C Control Module (Auto)

- 16 Female / White (KET_0407_16F_W)



1. O	C-CAN Low	9. B	Ground (GM01)
2. G	C-CAN High	10. W	Body K-Line
3. Gr	Intake Actuator (F/B)	11. W	Evaporator Sensor (+)
4. G	Mode Actuator (F/B)	12. L/B	Ambient Sensor (+)
5. W	Passenger Temp. Actuator (F/B)	13. R	Incar Sensor (+)
6. W	Driver Temp. Actuator (F/B)	14. L	SUN (-) - Driver
7. G	Cluster Lock/Unlock Signal	15. B	SUN (-) - Passenger
8. Gr	ECV In	16. L	ECV Out

M43-A A/C Control Module (Manual)

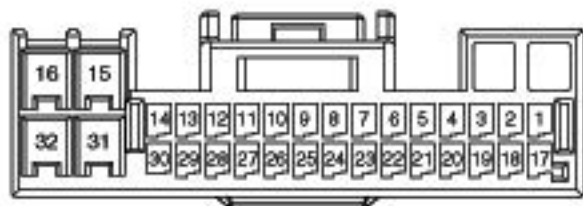
- 6 Female / White (KET_0500_06F_W)



1. G	Blower Switch (M/High)	4. L	Blower Switch (High)
2. -	-	5. P	Blower Switch (M/Low)
3. B	Ground (GM02)	6. R	Blower Switch (Low)

M43-B A/C Control Module (Manual)

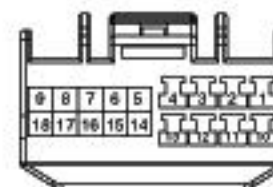
- 32 Female / White (KET_00608_32F_W)



1. R/O	ILL. (+)	17. O	VP Junction Box - MODULE 4 10A
2. G	VP Junction Box - ROOM LP 10A	18. -	-
3. R	Mode Actuator (VEN I)	19. G	C-CAN High
4. L	Mode Actuator (DEF)	20. O	C-CAN Low
5. Y	Temp. Actuator (Cool)	21. -	-
6. O	Temp. Actuator (Warm)	22. Gr	ECV In
7. B	Intake Actuator (FIRE)	23. L	ECV Out
8. P	Intake Actuator (REC)	24. -	-
9. -	-	25. Br	Vref (+5V)
10. -	-	26. Br	Evaporator Sensor (+)
11. G	Mode Actuator (F/B)	27. L/B	Ambient Sensor (+)
12. W	Temp. Actuator (F/B)	28. -	-
13. Gr	Intake Actuator (F/B)	29. -	-
14. P	Blower Motor "ON" Signal	30. -	-
16. L	Blower F/B	31. Gr	Sensor Ground
16. UO	ILL. (-)	32. B	Ground (G101)

M45-A AUDIO

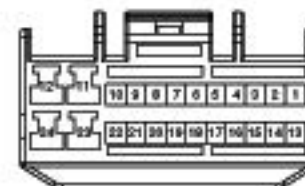
- 18 Female / White (KET_00025_18F_W)



1. Y	Rear Door Speaker LH (+)	10. B	Rear Door Speaker LH (-)
2. Br	Front Door Speaker LH (+)	11. W	Front Door Speaker LH (-)
3. R	Front Door Speaker RH (+)	12. L	Front Door Speaker RH (-)
4. G	Rear Door Speaker RH (+)	13. O	Rear Door Speaker RH (-)
5. B	SPOIF - Shield Ground	14. -	-
6. G	SPOIF - OUT (-)	15. W	SPOIF - OUT (+)
7. Gr	VP Junction Box - CLUSTER 10A	16. -	-
8. R/O	ILL. (+)	17. UO	ILL. (-)
9. -	-	18. G	Roof Antenna

M45-B A DIO

- 24 Female / White (KET_00025_24F_W)



1. L	CAN High	13. R	CAN Low
2. -	-	14. -	-
3. -	-	15. -	-
4. L	Audio Remote Control	16. Br	Vehicle Speed Signal
5. -	-	17. Gr	Audio Remote Control Ground
6. Y	USB D (+)	18. B	USB D (-)
7. W	USB/POD - VDD	19. B	USB/POD - GND
8. Br	AUX R_IN	20. L	AUX DET
9. B	AUX GND	21. Y	AUX L_IN
10. R	MIC (+)	22. L	MIC (-)
11. UO	VP Junction Box - AUDDO 210A	23. -	-
12. R	VP Junction Box - AUDDO 110A	24. B	Ground (GM08)

M46 Passenger Air Bag #1

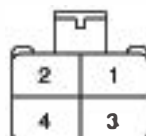
- 2 Female / Yellow (FCU_AIRL_02F_Y_I1)

1. L SRS Control Module
(1st Stage High)2. Br SRS Control Module
(1st Stage Low)**M47 Passenger Air Bag #2**

- 2 Female / Yellow (FCU_AIRL_02F_Y_I1)

1. G SRS Control Module
(2nd Stage High)2. W SRS Control Module
(2nd Stage Low)**M49 Blower Resistor (Manual A/C)**

- 4 Female / Black (JET_280_04F_B)

1. P Blower Switch (M.Low)
2. G Blower Switch (M.High)3. R Blower Switch (Low)
4. L Blower Motor**M50-A A/V Navigation Head Module**

- 8 Female / Grey (AMP_AUDIO_08F_Gr_D2)



1. Br	Speed Signal	6. Br/B	Scale Up Signal
2. R/W	ILL. (+)	6. W/O	V.P. Junction Box - AUDIO 2 10A
3. G	Roof Antenna	7. W/O	ILL. (-)
4. R	V.P. Junction Box - AUDIO 1 10A	8. B	Ground (GM03)

M50-C A/V Navigation Head Module

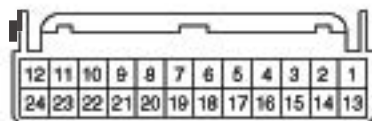
- 20 Female / Black (AMP_MTHH_20F_B)



1. R	M/C (+)	11. O	AUX DET
2. B	M/C (-)	12. -	-
3. B	AUX RUN	13. -	-
4. Y	AUX LON	14. -	-
5. -	-	15. G	Door Unlock Signal
6. -	-	16. L	Audio Remote Control
7. -	-	17. Gr	Audio Remote Control Ground
8. G	Engine Running Signal	18. -	-
9. O	Auto Light Signal	19. -	-
10. Y	AUX REF	20. -	-

M50-D A/V Navigation Head Module

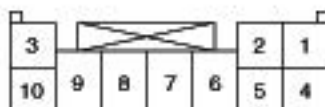
- 24 Female / White (KET_025_PCB_24F_W)



1. W	SPEIF - OUT (+)	13. Y	Rear View Camera (B+)
2. G	SPEIF - OUT (-)	14. Y/B	Rear View Camera (GND)
3. B	SPEIF - Shield Ground	15. R	Rear View Camera (CVBS)
4. -	-	16. R/B	Rear View Camera (VGND)
5. -	-	17. -	-
6. Br	NEVI Voice (+)	18. Y	NEVI Voice (-)
7. -	-	19. -	-
8. -	-	20. B	NEVI Voice (GND)
9. -	-	21. -	-
10. -	-	22. -	-
11. -	-	23. -	-
12. L	CAN High	24. R	CAN Low

M51-A PDM Relay Box (With Smart Key)

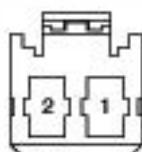
- 10 Female / White (AMP_005_10F_W)



1. P	PDM - ACC Relay Control	6. W	ADG Output
2. -	-	7. P	E/R Fuse & Relay Box - IGN 1 30A
3. B	Ground (GM01)	8. P	IGN1 @AP0
4. R	PDM - IGN2 Relay Control	9. -	-
5. -	-	10. W	PDM - IGN 1 Relay Control

M51-B PDM Relay Box (With Smart Key)

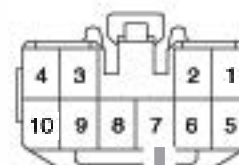
- 2 Female / Black (AMP_260_MPT_02F_B)



1. L	IGN 2 Output	2. R	E/R Fuse & Relay Box - IGN 2 40A
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M52-A PDM (With Smart Key)

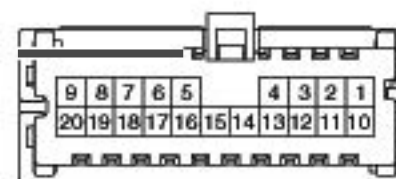
- 10 Female / White (KET_000M_10F_W)



1. B	Ground (GM02)	6. R	Start Relay Control
2. B	Ground (GM02)	7. W	IGN1 Relay Control
3. -	-	8. R	IGN2 Relay Control
4. -	-	9. P	ACC Relay Control
5. -	-	10. R	VP Junction Box - PDM 15A

M52-B PDM (With Smart Key)

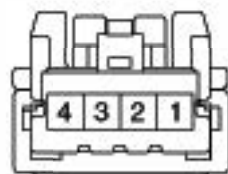
- 20 Female / White (KET_040M_20F_W)



1. W	VP Junction Box - MODULE 210A	11. L	B-CAN High
2. Y/B	FOB Holder - IMMO Clock	12. O/B	FOB In
3. W/B	FOB Holder - IMMO Data	13. -	-
4. L/O	VP Junction Box - AUDIO 210A	14. P	ESC (Wheel Speed Sensor Input)
5. -	-	15. R/B	Reverse (Start_EMG)
6. W	SSB SW1	16. W/B	F_APM
7. B/O	SSB ILL. Ground	17. Y	SSB IND. Amber
8. G	SSB IND. Green	18. R/B	SSB ILL. Power
9. G	VP Junction Box - MODULE 57.5A	19. P/B	FOB Holder ILL.
10. R	B-CAN Low	20. R/O	VP Junction Box - SMART KEY 10A

M54 RF Receiver (With Smart Key)

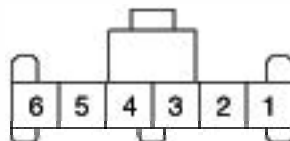
- 4 Female / White (NET_040AL04F_W)



1. O	RF_COM	3. G	VP Junction Box - ROOM LP 10A
2. -	-	4. B	Ground (GM01)

M55 Rheostat

- 6 Female / White (NET_01A_06F_W)



1. U/O	ILL. (-)	4. L	Up Switch
2. B	Ground (GM01)	5. G	Down Switch
3. R/O	ILL. (+)	6. -	-

M57 Rear Defogger Switch

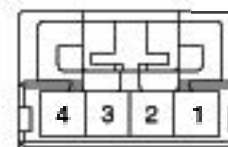
- 6 Female / White (NET_000L06F_W)



1. R/O	ILL. (+)	4. P	Ground (GM02)
2. B	Ground (GM02)	5. W	BGM (Rear Defogger Switch Input), With Smart Key - Front Wiper Deicer SW Input
3. U/O	ILL. (-)	6. G	VP Junction Box - HTD MIRR 7.5A

M60 Smart Key Antenna #1

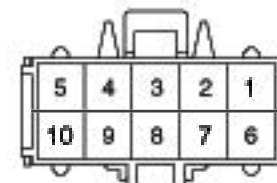
- 4 Female / Black (AMP_MQ6_04F_B_040)



1. -	-	3. -	-
2. R	Smart Key Control Module (Interior Antenna #1 Signal)	4. L	Smart Key Control Module (Interior Antenna #1 Ground)

M61 Start Stop Button Switch (With Smart Key)

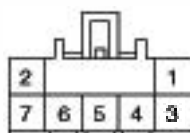
- 10 Female / Black (MLX_FT_10F_B)



1. W	SSB SW1	6. L	VP Junction Box - SMART KEY 10A
2. L	VP Junction Box - SMART KEY 10A	7. L	S6B SW2
3. Y	SSB SW0, Amber	8. G	S6B SW0, Green
4. B/O	SSB ILL. Ground	9. U/O	ILL. (-)
5. R/B	SSB ILL. Power	10. -	-

M63 Passenger Temperature Actuator

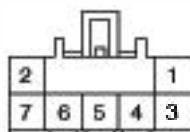
- 7 Female / Black (KUM_CDR_07F_B)



1. -	-	5. Br	A/C Control Module (Vref)
2. -	-	6. W	A/C Control Module (F/B)
3. Y	A/C Control Module (Cool)	7. Gr	A/C Control Module (Sensor GND)
4. P	A/C Control Module (Warm)		

M65 Driver Temperature Actuator

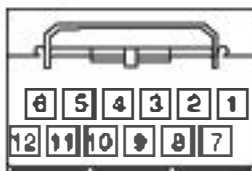
- 7 Female / Black (KUM_CDR_07F_B)



1. -	-	5. Gr	A/C Control Module (Sensor GND)
2. -	-	6. W	A/C Control Module (F/B)
3. ●	A/C Control Module (Warm)	7. Br	A/C Control Module (Vref)
4. Y	A/C Control Module (Cool)		

M67 Tire Pressure Monitoring Module

- 12 Female / Grey (AAE_TPMS_12F_Gr)



1. R	VP Junction Box - TPMS 7.5A	7. Gr ●	VP Junction Box - MODULE 1 10A
2. G	C-CAN High	8. ●	C-CAN Low
3. B	Ground (GND2)	9. -	-
4. -	-	10. -	-
5. -	-	11. -	-
6. -	-	12. -	-

M69 Tailgate Lamp

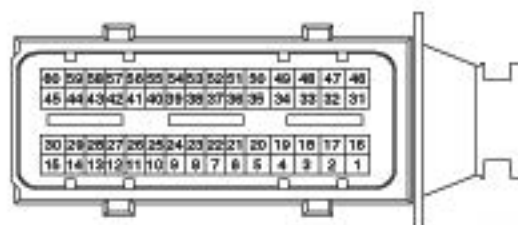
- 3 Female / Black (AMP_A09_03F_B_1)



1. L	VP Junction Box - A/BAG 10A	3. L	SRS Control Module
2. B	Ground (GND4)		

CHG-A PCM

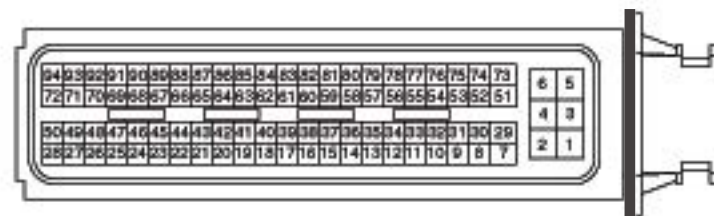
- 60 Female / Black (AMP_8CU_60F_B_M)



1. G	With Smart Key - IGN. Coil #4 Control	21. -	-	41. -	-
	W/O Smart Key - IGN. Coil #1 Control	22. -	-	42. -	-
2. B	Ignition Coil Shield Ground	23. -	-	43. W	Clutch Switch
3. L	A/T - LP_VFS	24. W	With Smart Key - BTR Fuse & Relay Box (AT & P/N Relay)	44. UB	Brake Test Switch
4. G/B	A/T - EC_VFS			45. L	VSM (OC Motor #1)
5. W	A/T - 36R_VFS			46. R	With Smart Key - IGM Coil B3 Control
6. B/O	A/T - Input Speed Supply				W/O Smart Key - IGM Coil B2 Control
7. G/O	A/T - Output Speed Supply	25. R	A/T - Position Switch Code (S2)	47. Gr	A/T - Solenoid Power 1
8. W	A/T - Input Speed Signal	26. G	A/T - Position Switch Code (S3)	48. ●	A/T - Solenoid Power 2
9. L	A/T - Output Speed Signal	27. Br	A/T - Position Switch Code (S4)	49. G	A/T - E/M Box - TCU 116A
10. -	-	28. A/T - P	MT - RVB	50. Y	A/T - E/M Box - TCU 116A
11. -	-			51. -	-
12. -	-			52. -	-
13. L	Wiper P' Input		Start Overun (PDM)	53. Br	A/T - Oil Temp. Sensor (-)
14. W	Electrical Load Signal From Alternator	29. G	Brake Light Switch	54. R	A/T - Oil Temp. Sensor (+)
15. B	Cruise Control Switch Ground	30. L	Cruise Control Switch Signal	55. G	A/T - CCP-CAN High
16. W	With Smart Key - IGN. Coil #2 Control	31. B	With Smart Key - IGN. Coil #1 Control	56. ●	A/T - CCP-CAN Low
	W/O Smart Key - IGN. Coil #3 Control	32. G	A/T - SS-B	57. -	-
17. Br	A/T - UD_VFS	33. P	A/T - SS-A	58. -	-
18. P	A/T - 2R_VFS	34. B	A/T - Ground (GHGS)	59. -	-
19. G	A/T - Shift Lock Solenoid	35. B	A/T - Ground (GHGS)	60. G	VSM (OC Motor #2)
20. Y	A/T - OD_VFS	36. P	A/T - Down Shift		
		37. Gr	A/T - Up Shift		
		38. W	A/T - Select Switch		
		39. -	-		
		40. P	A/T - Position Switch Code (S1)		

CHG-K PCM

- 84 Female / Black (AMP_ECU_94F_B_R)



1. B	Ground (GHG06)	26. L	Injector #3 Control	51. G	EMS Box - SENSOR 4 15A	76. W	Battery Sensor (LIN)
2. P	E/R Fuse & Relay Box - ECU 27.5A	27. G	Injector #4 Control	52. G	FIPS(Signal)	77. G	C-CAN High
3. B	Ground (GHG06)	28. Gr	Injector #2 Control	53. G	IAT Sensor	78. ●	C-CAN Low
4. W	EMS Box - Engine Control Relay	29. -	-	54. G	APT Signal	79. -	-
5. B	Ground (GHG06)	30. L	MAP Sensor Supply	55. -	-	80. P	TPS. 1 Signal
6. G	EMS Box - TCU 1 15A	31. UO	MAF/MAP Sensor Signal	56. -	-	81. -	-
7. -	-	32. L	TPS. 2 Signal	57. G	APT Ground	82. ●	AFS. 1 Signal
8. -	-	33. W/B	ECTS Signal	58. -	-	83. R	EMPS #1 Ground
9. ●	Fuel Tank Level Sender	34. Br	Knock Sensor Ground	59. W/B	TPS Ground	84.	
10. -	-	35. UO	AFS. 2 Signal	60. Gr	APS. 1 Supply	YW/SILEV	
11. -	-	36. L	AFS. 2 Supply	61. Y	APS. 1 Ground	W	O2 Sensor (Down) Signal
12. Y	Knock Sensor Signal	37. W/B	EMPS #2 Ground	62. W	CMPS #1 Signal	W/B/SILEV	
13. Br	APS. 2 Ground	38. -	-	63. Y	TPS Supply	W/B	O2 Sensor (Down) Signal
14. L	ECTS Ground	39. Gr	EMPS Ground	64. L	EMS Box - Engine Control Relay	85. P	O2 Sensor (Down) Ground
15. Y	CMPS #2 Signal	40. P	Vehicle Speed Sensor	65. ●	E/R Fuse & Relay Box - C/Fan I/O Relay	86. W/B	Engine Speed Signal
16. -	-	41. -	-	66. G	CVVT Actuator Control Signal 1	87. Br	EMS Box - A/C Fan Relay
17. P	CKPS Signal	42. P	O2 Sensor (Up) (V_RC)	67. G	PCSV Control	88. Gr	E/R Fuse & Relay Box - C/Fan HI Relay
18. W	O2 Sensor (Up) (V_IP)	43. W/B	Sensor Supply	68. Y/B	CVVT Actuator Control Signal 2	89. -	-
19. G	O2 Sensor (Up) (V_IQ)	44. Y	VCM (FIB Sensor GND)	69. B/●	B/MO. IND.	90. -	-
20. O	O2 Sensor (Up) (V_G)	45. -	-	70. P	EMS Box - F/Pump Relay	91. Gr	●CV Control
21. -	-	46. L	Alternator (COM)	71. W	ETC DC Motor 1	92. Y/B	Engine Check IND.
22. P	VCM (FIB Sensor Potentiometer)	47. -	-	72. R	ETC DC Motor 2	93. G	O2 Sensor (Up) Heater
23. -	-	48. -	-	73. Br	FIPS (GND)	94. Y	O2 Sensor (Down) Heater
24. B	E/R Fuse & Relay Box - Start Relay	49. -	-	74. B	TM/PT/MAF Sensor Ground		
25. Br	Injector #1 Control	50. W	Variable Intake System	75. L	B/MO. Data Line		

CHG01 Ransaxle Range Switch

- 10 Female / Black (KET_050WLP_10F_B)



1. -	-	6. -	-
2. R	Position Switch Code (S2)	7. -	-
3. -	-	8. G	Position Switch Code (S3)
4. Gr	E/R Fuse & Relay Box - TCU 2.7.5A	9. Br	Position Switch Code (S4)
5. -	-	10. P	Position Switch Code (S1)

CHG02 Ambient Sensor

- 2 Female / Black (KET_SWP_02F_B)



1. LB	A/C Control Module (Sensor (+))	2. Gr	A/C Control Module (Sensor Ground)
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CHG03 Battery Sensor

- 2 Female / Black (AMP_MCPWP_02F_B_A)



1. W	PCM (LIN)	2. R	E/R Fuse & Relay Box - B+ SENSOR 10A
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CHG04 ATM Solenoid Valve

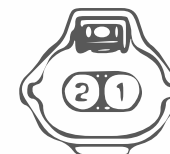
- 18 Female / Black (FCLMULWP_18F_B_1)



1. -	-	10. Gr	PCM (Solenoid Power 1)
2. G/E	PCM (EC_VFS)	11. P	PCM (2E_VFS)
3. G/O	PCM (Output Speed Signal)	12. G	PCM (3S-E)
4. L	PCM (Output Speed Signal)	13. R	PCM (3S Temp. Sensor (+))
5. O	PCM (Solenoid Power 2)	14. B/O	PCM (Input Speed Supply)
6. W	PCM (2E_VFS)	15. -	-
7. Y	PCM (OD_VFS)	16. Br	PCM (LD_VFS)
8. W	PCM (Input Speed Signal)	17. L	PCM (LP_VFS)
9. Br	PCM (Oil Temp. Sensor (-))	18. P	PCM (3S-A)

CHG05-1 Oil Control Valve #1

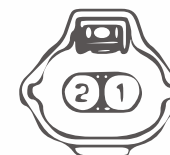
- 2 Female / Black (KET_090WLP_02F_B_L)



1. G	PCM	2. W	EMS Box - Sensor 1 10A
------	-----	------	------------------------

CHG05-2 Oil Control Valve #2

- 2 Female / Black (KET_090WLP_02F_B_L)



1. Y/B	PCM	2. W	EMS Box - Sensor 1 10A
--------	-----	------	------------------------

CHG06 Alternator

- 3 Female / Gray (KET_09011WP_03F_Gr_3)



1. L PCM (COM)
2. G Charge IND., Biede

3. W PCM (FR)

CHG11 Engine Coolant Temperature Sensor

- 4 Female / Black (AMP_51WP_04F_B)



1. B Ground (GHG01)
2. -

3. L PCM (Sensor Ground)
4. WB PCM (Sensor Signal)

CHG07 Front Wiper Motor

- 6 Female / Black (KUM_NMW_06F_B)



1. G Front Wiper Switch (LO)
2. P Front Wiper Switch (HI)
3. Y VP Junction Box - WIPER FRT 25A

4. B Ground (GHG01)
5. L E/R Fuse & Relay Box -
WIPER FRT, LO Relay
6. -

CHG13-1 Camshaft Position Sensor #1

- 3 Female / Gray (SUB_09011WP_03F_Gr_3)

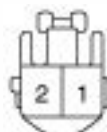


1. G EMS Box - SENSOR 1 10A
2. R PCM (Sensor Ground)

3. W PCM (Sensor Signal)

CHG08 Ignition Lock Switch (M/T, W/O Smart Key)

- 2 Female / White (KET_09011L_02F_W_L)



1. B Ground (GHG01)

2. W E/R Fuse & Relay Box - Start Relay

CHG13-2 Camshaft Position Sensor #2

- 3 Female / Gray (SUB_09011WP_03F_Gr_3)



1. G EMS Box - SENSOR 1 10A
2. WB PCM (Sensor Ground)

3. Y PCM (Sensor Signal)

CHG14 Crankshaft Position Sensor

- 3 Female / Black (AMP_0PT_03F_B_S2)



- | | | | |
|-------|------------------------|------|---------------------|
| 1. Gr | EMS Box - SENSOR 1 10A | 3. P | PCM (Sensor Signal) |
| 2. Gr | PCM (Sensor Ground) | | |

CHG17 Oxygen Sensor (Down) (W/O SULEV)

- 4 Male / Black (KET_SWP_04M_B)



- | | | | |
|------|---------------------|------|------------------------|
| 1. P | PCM (Sensor Ground) | 3. Y | PCM (Sensor Heater) |
| 2. W | PCM (Sensor Signal) | 4. O | EMS Box - SENSOR 4 15A |

CHG15 Oil Pressure Switch

- 1 Female / Black (KUM_NHW0P_07F_B)



- | | |
|--------|-------------------|
| 1. Y/G | Oil Pressure IND. |
|--------|-------------------|

CHG18-1 Ignition Coil #1

- 2 Female / Black (KET_090WP_02F_B_L3)



- | | | | |
|-------------------------------|---------------------|------------------------------|---------------------|
| With IMMO. / Smart Key | | W/O IMMO. / Smart Key | |
| 1. B | PCM | 1. G | PCM |
| 2. P | EMS Box - ECU 1 20A | 2. P | EMS Box - ECU 1 20A |

CHG16 Oxygen Sensor (Up)

- 8 Female / Black (AMP_MTIW0P_06F_B)



- | | | | |
|------|----------------------|------|------------------------|
| 1. O | Lambda Sensor (V_G) | 4. P | EMS Box - SENSOR 4 15A |
| 2. G | Lambda Sensor (V_M) | 5. G | PCM (Heater Up Stream) |
| 3. W | Lambda Sensor (V_IP) | 6. P | Lambda Sensor (V_PG) |

CHG18-2 Ignition Coil #2

- 2 Female / Black (KET_090WP_02F_B_L3)



- | | | | |
|-------------------------------|---------------------|------------------------------|---------------------|
| With IMMO. / Smart Key | | W/O IMMO. / Smart Key | |
| 1. W | PCM | 1. R | PCM |
| 2. L | EMS Box - ECU 1 20A | 2. L | EMS Box - ECU 1 20A |

CHG18-3 Ignition Coil #3

- 2 Female / Black (KET_090WVP_02F_B_L3)



With IMMO. / Smart Key

- 1. R PCM
- 2. G EMS Box - ECU 1 20A

W/O IMMO. / Smart Key

- 1. W PCM
- 2. G EMS Box - ECU 1 20A

CHG18-4 Ignition Coil #4

- 2 Female / Black (KET_090WVP_02F_B_L3)



With IMMO. / Smart Key

- 1. G PCM
- 2. W EMS Box - ECU 1 20A

W/O IMMO. / Smart Key

- 1. B PCM
- 2. W EMS Box - ECU 1 20A

CHG19 Condenser

- 2 Female / Black (MLX_090CIGAR_02F_B)



- 1. B Ground (GND01)

- 2. ● EMS Box - ECU 1 20A

CHG21 Canister Purge Control Solenoid Valve

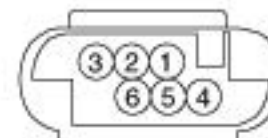
- 2 Female / Black (PKO_150WVP_02F_B_1)



- 1. W EMS Box - SENSOR 1 10A
- 2. G PCM

CHG22 ETC Motor & Throttle Position Sensor

- 6 Female / Black (AMP_MM5WVP_06F_B_1)



- 1. WB PCM (IPS Ground)
- 2. Y PCM (IPS Supply)
- 3. W PCM (ETC DC Motor 1)
- 4. P PCM (IFS 1 Signal)
- 5. L PCM (IFS 2 Signal)
- 6. R PCM (ETC DC Motor 2)

CHG23 Knock Sensor

- 2 Female / Black (PKO_150WVP_02F_B_1)



- 1. B PCM (Sensor Ground)
- 2. Y PCM (Sensor Signal)

CHG24-1 Injector #1

- 2 Female / Black (KULUNOWP_02F_B)



1. L	EMS Box - SENSOR 3 10A	2. Br	PCM
------	------------------------	-------	-----

CHG24-2 Injector #2

- 2 Female / Black (KULUNOWP_02F_B)



1. L/O	EMS Box - SENSOR 3 10A	2. Gr	PCM
--------	------------------------	-------	-----

CHG24-3 Injector #3

- 2 Female / Black (KULUNOWP_02F_B)



1. P	EMS Box - SENSOR 3 10A	2. L	PCM
------	------------------------	------	-----

CHG24-4 Injector #4

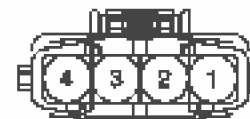
- 2 Female / Black (KULUNOWP_02F_B)



1. ●	EMS Box - SENSOR 3 10A	2. G	PCM
------	------------------------	------	-----

CHG25 MAP Sensor

- 4 Female / Black (AMP_PT_04F_B_805H)



1. L/O	PCM (MAF/MAP Sensor Signal)	3. G	PCM (IAT Sensor)
2. L	PCM (MAP Sensor Supply)	4. B	PCM (TMAP) / MAF Sensor Ground

CHG26 Head Lamp LH

- 6 Female / Black (KET_HEADLAMP_06F_B)



1. Y	BCM (Turn Lamp)	4. G	VP Junction Box - IPS 7 (Tail Lamp)
2. O	VP Junction Box - IPS 5 (Head Lamp High)	5. B	Ground (GHG02)
3. Gr	VP Junction Box - IPS 4 (Head Lamp Low)	6. B	Ground (GHG02)

CHG27 Head Lamp RH

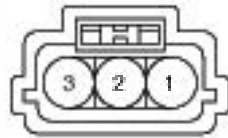
- 4 Female / Black (KET_HEADLAMP_04F_B)



1. W	BCM (Turn Lamp)	4. Y	VP Junction Box - IPS 2 (Tail Lamp)
2. O/B	VP Junction Box - IPS 1 (Head Lamp High)	5. B	Ground (GHG04)
3. Gr	VP Junction Box - IPS 0 (Head Lamp Low)	6. B	Ground (GHG04)

CHG28 A/C Compressor

- 3 Female / Gray (KUM_N0WV_03F_Gr)



1. Y	EMS Box - A/C ON Relay	3. Gr	A/C Control Module (ECV IN)
2. L	A/C Control Module (ECV OUT)		

CHG35 Front Wiper Delay

- 2 Female / Black (KUM_00WV_02F_B)



1. G	E/R Fuse & Relay Box - Delay Relay	2. B	Ground (CHG29)
------	------------------------------------	------	----------------

CHG29 A/C Pressure Transducer

- 3 Female / Black (KET_04WV_03F_B)



1. G	PCM (Ground)	3. WB	PCM (Supply)
2. Gr	PCM (Signal)		

CHG38 Clutch Switch (MT)

- 2 Female / White (KET_20DL_02F_W)



1. B	Ground (CHG01)	2. W	PCM With EBC - ESC Module
		WB	

CHG34 Front Wheel Sensor RH

- 2 Male / Black (KET_0001WV_02M_B)



1. Br	ESC Module (SIG)	2. W	ESC Module (VCC)
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CHG37 Back-Up Lamp Switch (M/T)

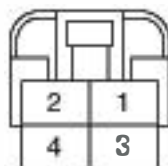
- 2 Female / Black (AMP_5WV_02F_B)



1. B	Ground (CHG02)	2. W	IPS Control Module
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CHG39 Stop Lamp Switch

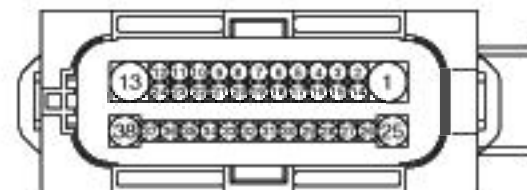
- 4 Female/Wires (KET_260DL_04F_W)



- | | | | |
|------|--|--------|--------------------------------|
| 1. G | PCM, ESC Module, DBC Relay, Stop Lamp L/R/H, High Mounted Stop Lamp, SmartKey Control Module | 3. W/B | VP Junction Box - MODULE 1 10A |
| 2. L | E/R Fuse & Relay Box - STOP LP 10A | 4. L/B | PCM, ESC Module |

CHG40 ESC Module

- 38 Female/Black (AMP_ABS_38F_B_A)



- | | | | |
|---------|------------------------------------|-----------|--|
| 1. W | Multi Fuse - ABS 1 40A | 20. Y | Rear Wheel Sensor RH (SIG) |
| 2. - | - | 21. B/R | Front Wheel Sensor RH (SIG) |
| 3. - | - | 22. B/W/B | IP S Control Module - Parking Brake Switch |
| 4. O | Yaw Rate Sensor (Power) | 23. G | Stop Lamp Switch |
| 5. - | - | 24. B | Yaw Rate Sensor (CAN Low) |
| 6. - | - | 25. L | Multi Fuse - ABS 2 40A |
| 7. - | - | 25. G | C-CAN High |
| 8. W/B | DBC Relay Control | 27. - | - |
| 9. L | Brake Switch | 28. P | PCM (Wheel Speed Sensor Output FR) |
| 10. O/B | ESC OFF Switch ON | 28. Gr | E/R Fuse & Relay Box - ABS 7.5A |
| 11. L/B | Yaw Rate Sensor (Ground) | 30. - | - |
| 12. Y | Yaw Rate Sensor (CAN High) | 31. G | Front Wheel Sensor LH (SIG) |
| 13. B | Ground (GM Gnd) | 32. L | Rear Wheel Sensor LH (SIG) |
| 14. O | C-CAN Low | 32. B | Rear Wheel Sensor RH (VCC) |
| 15. - | - | 34. W | Front Wheel Sensor RH (VCC) |
| 16. - | - | 36. W/B | W/T - Clutch Switch |
| 17. P | PCM (Wheel Speed Sensor Output FR) | 38. G | DBC Relay ON Signal |
| 18. O | Front Wheel Sensor LH (VCC) | 37. O | DBC Switch ON |
| 19. R | Rear Wheel Sensor LH (VCC) | 38. B | Ground (GM Gnd) |

CHG42 Cooling Fan Motor

- 3 Female / Black (AMP_SPTWP_03F_B)



- | | | | |
|------|---|------|----------------|
| 1. R | E/R Fuse & Relay Box -
CFAN HI Relay | 3. B | Ground (GHG02) |
| 2. W | E/R Fuse & Relay Box -
CFAN LO Relay | | |

CHG43 Front Fog Lamp LH

- 2 Female / Black (KET_110WP_02F_B)



- | | | | |
|------|-------------------------|------|----------------|
| 1. L | IP Junction Box - IFS 6 | 2. B | Ground (GHG02) |
|------|-------------------------|------|----------------|

CHG44 Accel Pedal Position Sensor

- 6 Female / Black (AMP_070WP_06F_B)



- | | | | |
|------|--------------------|-------|--------------------|
| 1. L | PCM (APS 2 Supply) | 4. Gr | PCM (APS 1 Supply) |
| 2. O | PCM (APS 1 Signal) | 5. Y | PCM (APS 1 Ground) |
| 3. U | PCM (APS 2 Signal) | 6. Br | PCM (APS 2 Ground) |

CHG45 Brake Fluid Level Sensor

- 2 Female / Black (AMP_JPT_02F_B_02IF)



- | | | | |
|------|----------------|---------|---|
| 1. B | Ground (GHG03) | 2. Br/O | IPS Control Module - Brake
Fluid Level |
|------|----------------|---------|---|

CHG46 Buglar Alarm Horn

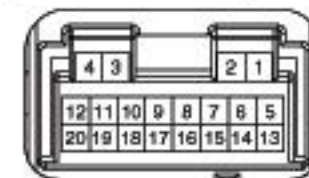
- 2 Female / Black (MX_HORN_02F_B_FILT)



- | | | | |
|------|--|------|----------------|
| 1. P | E/R Fuse & Relay Box -
B/A Horn Relay | 2. B | Ground (GHG04) |
|------|--|------|----------------|

CHG47 Multipurpose Check Connector

- 20 Female / Black (LM_DIAGNOSIS_20F_B)



- | | | | |
|-------|------------------------|--------|---------------------------------|
| 1. B | Ground (GHG02) | 11. - | - |
| 2. - | - | 12. L | Multi Fuse - ABS 2 40A |
| 3. - | - | 13. - | - |
| 4. L | Multi Fuse - ABS 1 40A | 14. ● | CCP-CANLow |
| 5. B | Ground (GHG01) | 15. Gr | E/R Fuse & Relay Box - ABS 7.1A |
| 6. G | CCP-CAN High | 16. - | - |
| 7. - | - | 17. ● | C-CANLow |
| 8. - | - | 18. - | - |
| 9. G | C-CAN High | 19. W | Body K-Line |
| 10. - | - | 20. - | - |

CHG49 Hood Switch

- 2 Female / Black (KET_0901WP_02F_B_ASM)



1. B	Ground (GM G04)	2. R	IPS Control Module
------	-----------------	------	--------------------

CHG50 Horn

- 2 Female / Gray (KUMA_NDWP_02F_Gr)



1. G	ETR Fuse & Relay Box - Horn Relay	2. B	Ground (GM G02)
------	-----------------------------------	------	-----------------

CHG51 External Buzzer

- 2 Female / Black (KET_0901WP_02F_B_ASM)



1. B	Ground (GM G02)	2. P	Smart Key Control Module
------	-----------------	------	--------------------------

CHG53 Front Fog Lamp RH

- 2 Female / Black (KET_110WP_02F_B)



1. L	WP Junction Box - IPS 6	2. B	Ground (GM G04)
------	-------------------------	------	-----------------

CHG54 Front Wheel Sensor LH

- 2 Male / Black (KET_0900WP_02M_B)



1. G	ESC Module (SIG)	2. O	ESC Module (VCC)
------	------------------	------	------------------

CHG56 Rear Washer Motor

- 2 Female / Black (KET_0904WP_02F_B_SIDE)



1. B	Ground (GM G04)	2. L	Rear Washer Switch
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CHG57 Oxygen Sensor (Down) (With SULEV)

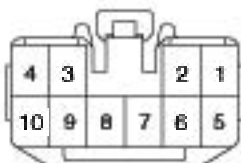
- 4 Female / Black (KET_0901WP_04F_B)



1. WB	PCM (Sensor Signal)	3. O	BMS Box - S060R 41 SA
2. P	PCM (Sensor Ground)	4. Y	PCM (Sensor Heater)

CHG63 ATM Shift Lever

- 10 Female / White (KET_0300L_10F_W)



- | | | | |
|--------|------------------------------|-------|---------------------------|
| 1. - | - | 6. W | Select Switch |
| 2. B | Ground (GHG03) | 7. P | Down Shift |
| 3. G/B | P Position Switch | 8. - | - |
| 4. W/B | VP Junction Box - TP12S 7.5A | 9. B | Ground (GHG03) |
| 5. Gr | Up Shift | 10. G | PCM (Shift Lock Solenoid) |

CHG67 Front Washer Motor

- 3 Female / Gray (KET_09011WP_03F_Gr)



- | | | | |
|------|---------------------|------|---|
| 1. B | Ground (GHG04) | 3. - | - |
| 2. B | Front Washer Switch | | |

CHG70 Variable Intake Manifold Valve

- 2 Female / Black (AMP_AMP_02F_B)



- | | | | |
|--------|-------------------|------|-----|
| 1. GrB | EMS Box - 60A 10A | 2. W | PCM |
|--------|-------------------|------|-----|

CHG72 Vehicle Speed Sensor (M/T)

- 3 Female / Black (UJA_00WP_03F_B)



- | | | | | |
|-------|------------------|----------------|-------|----------------------|
| 1. Gr | EMF Fuse & Relay | ax - TCU27.5iA | 3. Br | Vehicle Speed Output |
| 2. B | Ground (GHG02) | | | |

CHG80 Variable Charge Motion Actuator

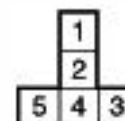
- 5 Female / Black (AMP_JPT_05F_B_SFT)



- | | | | |
|--------|--------------------------------|------|--------------------------|
| 1. Y | PCM (F/B Sensor GND) | 4. G | PCM (DC Motor Output +2) |
| 2. P | PCM (F/B Sensor Potentiometer) | 5. L | PCM (DC Motor Output +1) |
| 3. W/B | PCM (Sensor Supply) | | |

CHG90 WIPER FRT, LO Relay

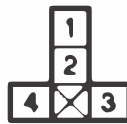
- 5 Female / N/A (CR05011)



- | | | | |
|--------|---------------------------------|------|--------------------------------|
| 1. Gr | Front Wiper Switch | 4. L | Front Wiper Motor |
| 2. Y | VP Junction Box - WIPER FRT 25A | 5. Y | VP Junction Box - WIPER FRT25A |
| 3. O/B | BCM | | |

CHG92 C/FAN HI Relay

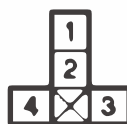
- 4 Female / N/A (CR04F086)



- | | | | |
|------|----------------------------------|-------|---------------------------------------|
| 1. L | E/R Fuse & Relay Box - C/FAN 40A | 3. Gr | PCM (Relay HI Control) |
| 2. R | Cooling Fan Motor | 4. Gr | E/R Fuse & Relay Box - C/FAN LO Relay |

CHG93 Deicer Relay

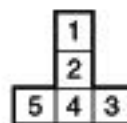
- 4 Female / N/A (CR04F086)



- | | | | |
|------|---|------|-----------------------------------|
| 1. R | E/R Fuse & Relay Box - Deicer 15A | 3. L | IPS Control Module |
| 2. G | Front Wiper Deicer, Front Wiper Deicer Switch | 4. L | E/R Fuse & Relay Box - Deicer 15A |

CHG94 ATM P/N Relay (With Smart Key)

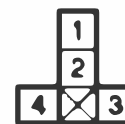
- 5 Female / N/A (CR05F011)



- | | | | |
|------|---|--------|----------------------------------|
| 1. P | IP Junction Box - ST ANT 10A, PCM (Start Overrun) | 3. WAO | E/R Fuse & Relay Box - ECU 27.5A |
| 2. P | E/R Fuse & Relay Box - Start Relay | 4. - | - |
| | | 5. W | PCM (Relay Control) |

CHG95 Blower Relay

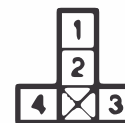
- 4 Female / N/A (CR04F086)



- | | | | |
|------|---|--------|--------------------------------|
| 1. R | Multi Fuse - BLOWER 40A | 3. B | Ground (GND02) |
| 2. R | Blower Motor, AUTO A/C - IP Junction Box - A/C ON 7.5 | 4. YTO | IP Junction Box - MODULE 4 10A |

CHG96 Horn Relay

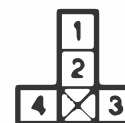
- 4 Female / N/A (CR04F086)



- | | | | |
|------|---------------------------------|-------|---------------------------------|
| 1. G | E/R Fuse & Relay Box - HORN 15A | 3. Gr | Horn Switch |
| 2. G | Horn | 4. G | E/R Fuse & Relay Box - HORN 15A |

CHG97 C/FAN LO Relay

- 4 Female / N/A (CR04F086)



- | | | | |
|------|----------------------------------|-------|------------------------|
| 1. L | E/R Fuse & Relay Box - C/FAN 40A | 3. ● | PCM (Relay LO Control) |
| 2. W | Cooling Fan Motor | 4. Gr | EMS Box - SENSOR 416A |

Control Harness (14)

CHG98 Start Relay

- 4 Female / N/A (CR04F066)



W/O Smart Key

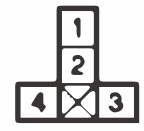
- 1. R E/R Fuse & Relay Box - IGN2 40A
- 2. R Start Solenoid
- 3. M/T, With Ignition Lock Switch
W Ignition Lock Switch
M/T, W/O Ignition Lock Switch
B Ground (GHG02)
- A/T
- W PCM (Relay Control)
- 4. W/O B/Alarm
P VP Junction Box - START 10A
With B/Alarm
P VP Junction Box - Burglar Alarm Relay

With Smart Key

- 1. R E/R Fuse & Relay Box - IGN 2 40A
- 2. R Start Solenoid
- 3. B Ground (GHG02),
PCM (Start Overrun (GND))
- 4. M/T
- P VP Junction Box - START 10A
A/T
- P E/R Fuse & Relay Box -
ATM PAN Relay
- R/S PCM (Start F/B: Signal),
PCM (M/T - Start Overrun)

CHG100 RR HTD Relay

- 4 Female / N/A (CR04F066)



- 1. R E/R Fuse & Relay Box -
RR HTD 40A
- 2. G VP Junction Box
(Rear Logger Output)

- 3. G/O IPS Control Module
- 4. L E/R Fuse & Relay Box
- DOOR 15A

CHG99 B/A Horn Relay

- 4 Female / N/A (CR04F066)

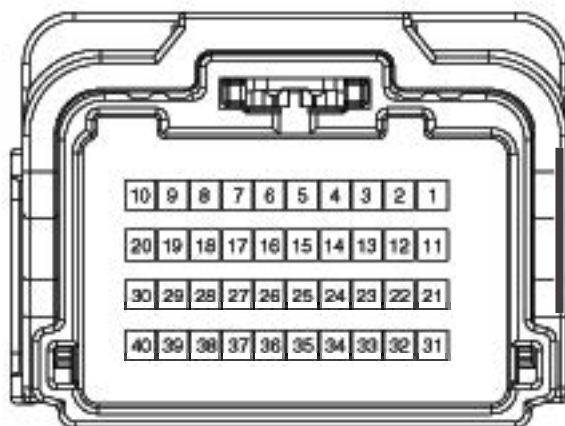


- 1. P Burglar Alarm Horn
- 2. P E/R Fuse & Relay Box - HORN 15A

- 3. W VP Junction Box - IPS Control
Module
- 4. P E/R Fuse & Relay Box - HORN 15A

F01 SRS Control Module

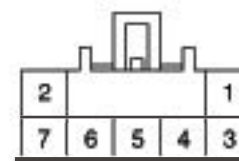
- 40 Female / Green (JST_WHC_40F_G)



1. B	Driver SIS (High)	21. R	Passenger SIS (High)
2. L	Rear SIS LH (High)	22. G	Rear SIS RH (High)
3. P/B	Driver S/Belt PT (High)	23. G/R	Driver CAB (High)
4. Gr	Driver S/Belt PT (Low)	24. W/B	Driver CAB (Low)
5. G/B	Driver SAB (High)	25. -	-
6. W/B	Driver SAB (Low)	26. -	-
7. -	-	27. -	-
8. -	-	28. -	-
9. -	-	29. U/O	Passenger S/Belt Buckle SW (High)
10. -	-	30. P/B	Passenger S/Belt Buckle SW (Low)
11. W	Driver SIS (Low)	31. L	Passenger SIS (Low)
12. O	Rear SIS LH (Low)	32. O	Rear SIS RH (Low)
13. U/O	Passenger S/Belt PT (High)	33. B	Passenger CAB (Low)
14. Y/B	Passenger S/Belt PT (Low)	34. R	Passenger CAB (High)
15. Br/B	Passenger SAB (High)	35. -	-
16. O/B	Passenger SAB (Low)	36. -	-
17. -	-	37. -	-
18. -	-	38. -	-
19. L	-	38. L	Driver S/Belt Buckle Switch (High)
20. -	-	40. P	Driver S/Belt Buckle Switch (Low)

F02 FOB Holder (With Smart Key)

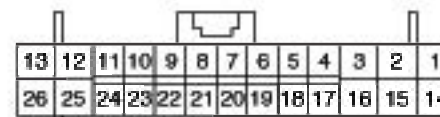
- 7 Female / White (KUM_CDR_07F_W)



1. Y/B	IMMO. Clock	5. W/B	IMMO. Data
2. P/B	Holder ILL. (-)	6. P/B	VP Junction Box - SMART KEY 10A
3. B	Ground (GF06)	7. O/B	Key In SW
4. R/B	VP Junction Box - SMART KEY 10A		

F03-A AMP

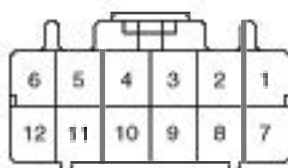
- 26 Female / White (AMP_0407_26F_W_HD)



1. O	MP Junction Box - AMP 25A	14. B	Ground (GF06)
2. P	MP Junction Box - AMP 25A	15. B	Ground (GF06)
3. R	MP Junction Box - AMP 25A	16. B	Ground (GF06)
4. -	-	17. -	-
5. L	CAN - High	18. W	SPDIF OUT (+)
6. R	CAN - Low	19. G	SPDIF OUT (-)
7. G	MP Junction Box - AUDIO 210A	20. -	-
8. -	-	21. -	-
9. -	-	22. -	-
10. -	-	23. -	-
11. Br	Audio (MEV) Voice (+)	24. Y	Audio (NEV) Voice (-)
12. L	Sub Woofer Speaker (+)	25. R	Sub Woofer Speaker (-)
13. G	Sub Woofer Speaker (+)	26. O	Sub Woofer Speaker (-)

F03-C AMP

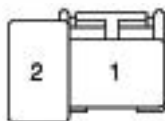
- 12 Female / White (AMP_0407_12F_W_070)



- | | | | |
|-------|------------------------|-------|------------------------|
| 1. G | FR Speaker (+) | 7. ● | RR Speaker (-) |
| 2. Y | RL Speaker (+) | 8. B | RL Speaker (-) |
| 3. R | FRTweeter Speaker (+) | 9. L | FRTweeter Speaker (-) |
| 4. Br | FL Tweeter Speaker (+) | 10. W | FL Tweeter Speaker (-) |
| 5. R | FR Speaker (+) | 11. L | FR Speaker (-) |
| 6. Br | RL Speaker (+) | 12. W | FL Speaker (-) |

F04 Luggage Lamp

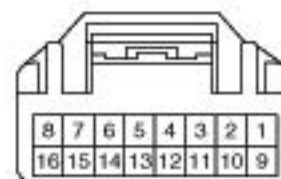
- 2 Female / Black (AMP_PUM2_02F_B)



- | | | | |
|------|-----------------------|------|-------------------------------|
| 1. W | Tail Gate Open Switch | 2. G | VP Junction Box - ROOM LP 10A |
|------|-----------------------|------|-------------------------------|

F05 4WD ECM

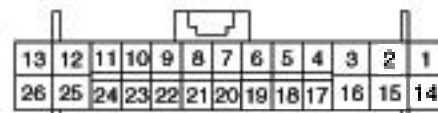
- 16 Female / White (YA2_025_16F_W)



- | | | | |
|--------|-------------------------------|--------|-----------------|
| 1. R | EMC (+) | 8. B/D | EMC (-) |
| 2. - | - | 10. B | Ground (GND1) |
| 3. R/D | VP Junction Box - TPMS 7.5A | 11. - | - |
| 4. R/B | VP Junction Box - MODULE 110A | 12. - | - |
| 5. G | C-CAN High | 13. O | C-CAN Low |
| 6. - | - | 14. - | - |
| 7. - | - | 15. - | - |
| 8. - | - | 16. Y | 4WD Lock Switch |

F06-A Smart Key Control Module

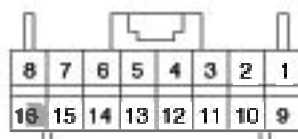
- 26 Female / White (AMP_0407_26F_W_HD)



- | | | | |
|---------|---------------------------------|----------|-------------------------------------|
| 1. R | VP Junction Box - SMART KEY 10A | 14. Br/B | VP Junction Box - MODULE 5 7.5A |
| 2. Br/O | IMMO. IND. | 15. W/T | Ignition Lock Switch |
| 3. B | Ground (GND) | W/B | Ignition Lock Switch |
| 4. - | - | A/T | 'F' Position Switch |
| 5. W | Tail Gate Handle Switch | G/B | 'F' Position Switch |
| 6. Gr/B | LR Lock/Unlock | 16. B | Ground (GND) |
| 7. P | External Buzzer | 17. - | - |
| 8. G/● | ALT_L | 18. - | - |
| 9. W/O | VP Junction Box - AUDIO 210A | 19. - | - |
| 10. L | B-CAN High | 20. W/B | LR Lock/Unlock |
| 11. R | B-CAN Low | 21. - | - |
| 12. - | - | 22. W/O | Big-K Line |
| 13. ● | RF Receiver (RF_COM) | 23. L | Start Stop Button Switch (SSB SW 2) |
| | | | Stop Lamp Switch |
| | | 24. G/B | Stop Lamp Switch |
| | | 25. W/O | EMS_COM |
| | | 26. - | - |

F06-B Smart Key Control Module

- 16 Female / White (AMP_0407_16F_W_040)



- | | |
|-----------------------------------|----------------------------------|
| 1. ● Interior Antenna #2 (Ground) | 9. G Interior Antenna #2 |
| 2. L Interior Antenna #1 (Ground) | 10. R Interior Antenna #1 |
| 3. - | 11. - |
| 4. - | 12. - |
| 5. ● Tail Gate Antenna | 13. L Tail Gate Antenna (Ground) |
| 6. B Bumper Antenna | 14. W Bumper Antenna (Ground) |
| 7. W ● O _{FR} DR_ANT | 15. B O _{FR} DR_ANT_GND |
| 8. Br O _{FR} DR_ANT | 16. W O _{FR} DR_ANT_GND |

F07 Driver Door Switch

- 2 Female / White (AMP_040M1_02F_W)



1. - - 2. ● IPS Control Module

F08 Passenger Door Switch

- 2 Female / White (AMP_040M1_02F_W)



1. - - 2. PB IPS Control Module

F09 Rear Door Switch LH

- 2 Female / White (AMP_040M1_02F_W)



1. - - 2. YB IPS Control Module

F10 Rear Door Switch RH

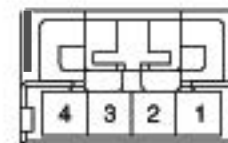
- 2 Female / White (AMP_040M1_02F_W)



1. - - 2. GB IPS Control Module

F11 Smart Antenna #2

- 4 Female / Black (AMP_060S_04F_B_040)



- | | | | |
|------|--|------|---|
| 1. - | - | 3. - | - |
| 2. G | Smart Key Control Module
(Interior Antenna #2 Signal) | 4. O | Smart Key Control Module
(Interior Antenna #2 GND) |

F12 Fuel Sender & Fuel Pump Motor

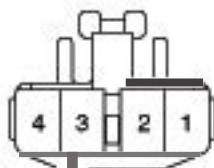
- 5 Female/Gray (KET_0900/WP_05F_Gr_2)



- | | | | |
|------|-------------------------------------|------|------------------------|
| 1. - | - | 4. P | EMS Box - F/PUMP Relay |
| 2. O | Instrument Cluster - Fuel Sender(+) | 5. B | Ground (GPO2) |
| 3. B | Instrument Cluster - Fuel Sender(-) | | |

F13 Driver Seat Warmer

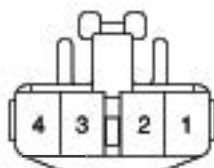
- 4 Female/White (KET_0909/04F_W)



- | | | | |
|------|---------------|-------|---------------|
| 1. W | Switch (High) | 3. B | Ground (GPO1) |
| 2. L | Switch (Low) | 4. Br | IND. Ground |

F14 Passenger Seat Warmer

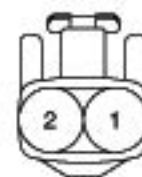
- 4 Female/White (KET_0909/04F_W)



- | | | | |
|------|---------------|-------|---------------|
| 1. W | Switch (High) | 3. B | Ground (GPO6) |
| 2. L | Switch (Low) | 4. Br | IND. Ground |

F15 Canister Close Valve

- 2 Female/Black (KET_0901/WP_02F_B)



- | | | | |
|--------|------------------------|-------|-------------------|
| 1. O/B | EM6 Box - SENGOR 1 10A | 2. Gr | PCM (CCV Control) |
|--------|------------------------|-------|-------------------|

F16 Fuel Tank Pressure Sensor

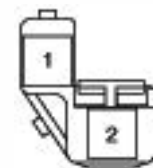
- 3 Female/Black (AMP_090_03F_B_WP)



- | | | | |
|-------|---------------------|------|------------------|
| 1. L | PCM (Sensor Supply) | 3. G | PCM (FTPSSignal) |
| 2. Br | PCM (FTPS Ground) | | |

F17 Rear Power Outlet

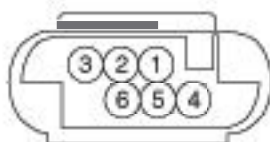
- 2 Female/Black (KET_2505_02F_B_GIGAR)



- | | | | |
|------|--------------------------------------|------|---------------|
| 1. L | VP Junction Box - POWER OUTLET 2 25A | 2. B | Ground (GPO3) |
|------|--------------------------------------|------|---------------|

F18 Yaw Rate Sensor

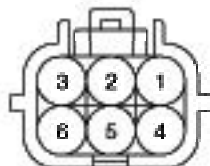
- 6 Female / Black (AMP_MQ3WP_06F_B_1)



- | | | | |
|------|-----------------------|--------|---------------------|
| 1. B | ESC Module (CAN Low) | 4. L/B | ESC Module (Ground) |
| 2. Y | ESC Module (CAN High) | 5. - | - |
| 3. B | ESC Module (Power) | 6. - | - |

F26 Rear Combination Lamp (Out) LH

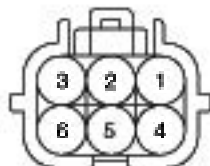
- 6 Female / Black (KET_SWP_06F_B)



- | | | | |
|--------|---------------------------|------|-------------------------|
| 1. W | BCM (Turn & Hazard Lamp) | 4. G | IP Junction Box - IPS 7 |
| 2. - | - | 5. - | - |
| 3. G/B | ICM Relay Box (D&C Relay) | 6. B | Ground (GND) |

F27 Rear Combination Lamp (Out) RH

- 6 Female / Black (KET_SWP_06F_B)



- | | | | |
|--------|---------------------------|--------|-------------------------|
| 1. P | BCM (Turn & Hazard Lamp) | 4. B/O | IP Junction Box - IPS 2 |
| 2. - | - | 5. - | - |
| 3. G/B | ICM Relay Box (D&C Relay) | 6. B | Ground (GND) |

30 Rear Wheel Sensor LH

- 2 Male / White (KET_090R_02M_W_L_1)



- | | | | |
|------|------------------|------|------------------|
| 1. L | ESC Module (SIG) | 2. R | ESC Module (VCC) |
|------|------------------|------|------------------|

F31 Rear Wheel Sensor RH

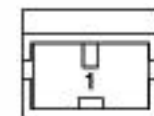
- 2 Male / White (KET_090R_02M_W_L_1)



- | | | | |
|------|------------------|------|------------------|
| 1. Y | ESC Module (SIG) | 2. B | ESC Module (VCC) |
|------|------------------|------|------------------|

F32 Hand Parking Brake Switch (M/T)

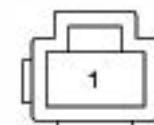
- 1 Female / Black (AMP_PLM1_01F_B)



- | | |
|--------|---|
| 1. GND | IPS Control Module - Parking Brake Switch |
|--------|---|

F33 Foot Parking Brake Switch (A/T)

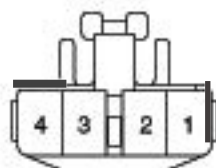
- 1 Male / Black (KET_250_01M_B)



- | | |
|--------|---|
| 1. GND | IPS Control Module - Parking Brake Switch |
|--------|---|

F35 Sub Woofer Speaker

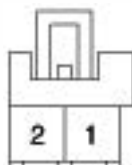
- 4 Female/WP2a (KET_090#_04F_W)



- | | | | |
|------|---------|------|---------|
| 1. R | AMP (-) | 3. O | AMP (-) |
| 2. L | AMP (+) | 4. G | AMP (-) |

F38 ATM Shift Lever ILL

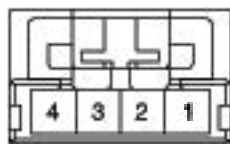
- 2 Female/WP2a (KUM_CDR_02F_W)



- | | | | |
|-------|---------|-------|---------|
| 1. RO | ILL (+) | 2. LO | ILL (-) |
|-------|---------|-------|---------|

F39 Smart Key Antenna #3

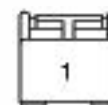
- 4 Female/Black (AMP_MQS_04F_B_040)



- | | | | |
|------|--|------|--|
| 1. - | - | 3. - | - |
| 2. O | Smart Key Control Module
(Tail Gate Antenna Signal) | 4. L | Smart Key Control Module
(Tail Gate Antenna Ground) |

F40 Roof Antenna

- 1 Female/Black (AA1P_PUM1_01F_B)



- | | |
|------|---------------|
| 1. Y | Audio Antenna |
|------|---------------|

F43 Driver Side Air Bag

- 2 Female/Yellow (YAZ_040WP_02F_Y_GH)



- | | | | |
|--------|---------------------------|--------|--------------------------|
| 1. G/B | SRS Control Module (High) | 2. W/B | SRS Control Module (Low) |
|--------|---------------------------|--------|--------------------------|

F44 Passenger Side Air Bag

- 2 Female/Yellow (YAZ_040WP_02F_Y_GH)



- | | | | |
|--------|---------------------------|--------|--------------------------|
| 1. B/Y | SRS Control Module (High) | 2. W/B | SRS Control Module (Low) |
|--------|---------------------------|--------|--------------------------|

F45 Rear Side Impact Sensor LH

- 2 Female/Dark Gray (FCLPAEWP_02F_DGr_B)



- | | | | |
|------|---------------------------|------|--------------------------|
| 1. L | SRS Control Module (High) | 2. O | SRS Control Module (Low) |
|------|---------------------------|------|--------------------------|

F46 Rear Side Impact Sensor RH

- 2 Female / Dark Gray (PCL_PAEWP_08F_08_B)



- | | | | |
|------|---------------------------|------|--------------------------|
| 1. G | SRS Control Module (High) | 2. O | SRS Control Module (Low) |
|------|---------------------------|------|--------------------------|

F52 Electronic Magnetic Valve Clutch

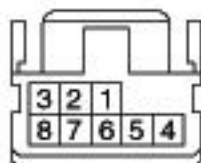
- 2 Female / Gray (KUM_NMWP_02F_Gr)



- | | | | |
|------|-------------|-------|-------------|
| 1. R | 4WD ECM (+) | 2. BO | 4WD ECM (-) |
|------|-------------|-------|-------------|

F55 Passenger Seat Belt Buckle Switch

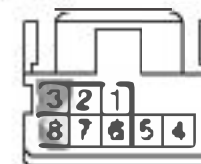
- 8 Female / Yellow (JST_HIC_08F_Y)



- | | | | |
|--------|--------------------------|--------|---------------------------|
| 1. P/B | SRS Control Module (Low) | 5. - | - |
| 2. - | - | 6. L/O | SRS Control Module (High) |
| 3. - | - | 7. - | - |
| 4. - | - | 8. - | - |

56 Driver Seat Belt Buckle Switch

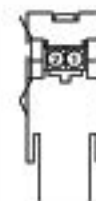
- 8 Female / Yellow (JST_HIC_08F_Y)



- | | | | |
|------|--------------------------|------|------------------------------|
| 1. P | SRS Control Module (Low) | 5. O | IPS Control Module (Warning) |
| 2. - | - | 6. L | SRS Control Module (High) |
| 3. - | - | 7. - | - |
| 4. B | Ground (BFDs) | 8. - | - |

57 Driver Seat Belt Pretensioner

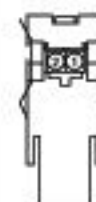
- 2 Female / Black (JST_SCS_02F_B)



- | | | | |
|--------|---------------------------|-------|--------------------------|
| 1. P/B | SRS Control Module (High) | 2. Gr | SRS Control Module (Low) |
|--------|---------------------------|-------|--------------------------|

58 Passenger Seat Belt Pretensioner

- 2 Female / Black (JST_SCS_02F_B)



- | | | | |
|--------|---------------------------|--------|--------------------------|
| 1. L/O | SRS Control Module (High) | 2. Y/B | SRS Control Module (Low) |
|--------|---------------------------|--------|--------------------------|

F59 Passenger Curtain Air Bag

- 2 Female/Black (FCLAKJL02F_B_J)



- | | | | |
|------|--------------------------|------|---------------------------|
| 1. B | SRS Control Module (Low) | 2. R | SRS Control Module (High) |
|------|--------------------------|------|---------------------------|

F60 Driver Curtain Air Bag

- 2 Female/Black (FCLAKJL02F_B_J)



- | | | | |
|--------|---------------------------|--------|--------------------------|
| 1. G/R | SRS Control Module (High) | 2. W/B | SRS Control Module (Low) |
|--------|---------------------------|--------|--------------------------|

F61 Passenger Occupant Detection Sensor

- 6 Female/Black (MAXABAG06F_B)



- | | | | |
|------|-----------------------------|---------|---------------|
| 1. Y | VP Junction Box - A/BAG 10A | 4. B | Ground (GF09) |
| 2. G | C-CAN High | 5. L/B | BTS (Power) |
| 3. O | C-CAN Low | 6. Br/B | BTS (Signal) |

F62 Bell Tension Sensor

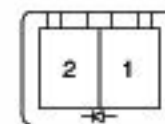
- 3 Female/W/A (EPC_E570Q_03F)



- | | | | |
|--------|---------------|---------|---------------|
| 1. L/B | PODS (Power) | 3. Br/B | PODS (Signal) |
| 2. B | Ground (GF09) | | |

Z01 Diode

- 2 Female/Black (MET_090_02F_B_DIODE)



- | | | | |
|------|--------------|--------|-----------------------|
| 1. W | Luggage Lamp | 2. W/B | Tail Gate Open Switch |
|------|--------------|--------|-----------------------|

D01 Driver Door Lock Actuator

- 7 Female / Black (FCLACTRWP_07F_B)



- | | | | |
|------|--|-------|--|
| 1. G | KCM Relay Box
(Two Turn Unlock Relay) | 5. B | Ground (GND1) |
| 2. O | VP Junction Box (Door Lock Relay) | 6. Gr | IPS Control Module
(Door Lock/Unlock) |
| 3. R | IPS Control Module (Key Lock) | 7. - | - |
| 4. P | IPS Control Module (Key Unlock) | | |

D05 Driver Smart Key Outside Handle

- 4 Male / Black (KET_SAMP_04M_B)



- | | | | |
|---------|---|------|---|
| 1. Br | Smart Key Control Module
(O_R_ANT) | 3. W | Smart Key Control Module
(O_R_ANT_GND) |
| 2. Gr/B | Smart Key Control Module
(L_FL_DR_Lock/Unlock) | 4. B | Ground (GND1) |

D06 Driver Pressure Side Impact Sensor

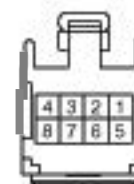
- 2 Female / Brown (FCLPAENP_02F_Br_C)



- | | | | |
|------|---------------------------|------|--------------------------|
| 1. B | SRS Control Module (High) | 2. W | SRS Control Module (Low) |
|------|---------------------------|------|--------------------------|

D07 Driver Power Outside Mirror

- 8 Female / Black (MLX_040_08F_B_A)



- | | | | |
|---------|-----------------------------------|--------|---------------------------------|
| 1. G/B | Outside Mirror Switch - Left (VL) | 6. - | - |
| 2. P | Outside Mirror Switch - Up/Down | 7. B | Ground (GND1) |
| 3. Gr/B | Outside Mirror Switch - Left (HL) | 8. L/B | VP Junction Box - MTD MIRR 7.5A |
| 4. W | BC14 - Turn Lamp Signal RL | | |

D08 Power Outside Mirror Switch

- 12 Female / White (ANP_0407_12F_W_070)



- | | | | |
|------|------------------------------|---------|----------------------------|
| 1. - | - | 7. - | - |
| 2. - | - | 8. G/B | Outside Mirror Switch (VL) |
| 3. - | - | 9. Gr/B | Outside Mirror Switch (HL) |
| 4. - | - | 10. P | Up/Down Switch |
| 5. B | Ground (GND1) | 11. Gr | Outside Mirror Switch (LR) |
| 6. G | VP Junction Box - AU040 210A | 12. G | Outside Mirror Switch (VR) |

D09 Driver Power Window Motor (W/O Safety)

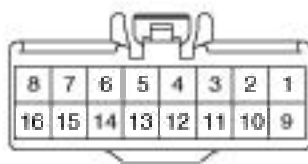
- 2 Female / Gray (FCL_SENSOR_02F_Gr)



- | | | | |
|------|----------------------|------|----------------------|
| 1. P | Driver Window Switch | 2. W | Driver Window Switch |
|------|----------------------|------|----------------------|

D10 Power Window Main Switch

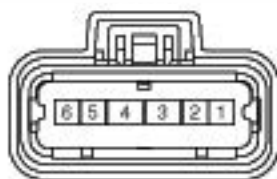
- 16 Female / White (KET_0301 L16F_W)



- | | | | |
|----------------|-----------------------------------|----------------|-----------------------------------|
| 1. Gr | Passenger Window Switch | 8. With Safety | |
| 2. G | Passenger Window Switch | G | Safety Power Window Module (Down) |
| 3. R | ILL (+) | | |
| 4. - | - | W/O Safety | |
| 5. Gr/B | IFS Control Module (Door Unlock) | P | Driver Power Window Motor |
| 6. W | Safety Power Window Module (Auto) | 9. R | IP Junction Box - P/W/W RH 25A |
| 7. With Safety | | 10. L | Window Switch RR |
| L | Safety Power Window Module (Up) | 11. G | Window Switch RR |
| W/O Safety | | 12. B | Ground (GFD1) |
| W | Driver Power Window Motor | 13. LB | IFS Control Module (Door Lock) |
| | | 14. P | Window Switch RL |
| | | 15. Br | Window Switch RL |
| | | 16. ● | IP Junction Box - P/W/W LH 25A |

D12 Driver Safety Power Window Module (With Safety)

- 6 Female / Black (FCL_61INWP_06F_B)



- | | | | |
|------|-----------------------------|------|---|
| 1. G | Driver Window Switch (Down) | 4. Y | IP Junction Box - SAFETY POWER WINDOW 20A |
| 2. L | Driver Window Switch (Up) | 5. W | Driver Window Switch (Auto) |
| 3. B | Ground (GFD1) | 6. ● | BCM |

D13 Driver Door Speaker

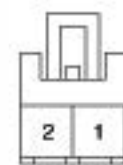
- 2 Female / Black (KUM_CDR_02F_B)



- | | | | |
|------|-------------|------|-------------|
| 1. B | Speaker (+) | 2. W | Speaker (-) |
|------|-------------|------|-------------|

D14 Driver Tweeter Speaker

- 2 Female / White (PDR_L_CDR_02F_W)



- | | | | |
|------|-------------|-------|-------------|
| 1. W | Speaker (-) | 2. Br | Speaker (+) |
|------|-------------|-------|-------------|

D21 Passenger Door Lock Actuator

- 7 Female / Black (FCI_ACTRWP_07F_B)



- | | | | |
|------|---------------------------------------|-------|-------------------------------------|
| 1. - | - | 6. Br | IFS Control Module (Key Lock) |
| 2. W | IFS Control Module (Door Lock/Unlock) | 6. ● | IP Junction Box (Door Lock Relay) |
| 3. B | Ground (GFD1) | 7. L | IP Junction Box (Door Unlock Relay) |
| 4. G | IFS Control Module (Key Lock) | | |

D25 Passenger Smart Key Outside Handle

- 4 Male / Black (KET_SWP_04M_B)



- | | | | |
|--------|---|------|--|
| 1. W | Smart Key Control Module (D_FR_DRLANT) | 3. B | Smart Key Control Module (D_FR_DRLANT_GND) |
| 2. W/B | Smart Key Control Module (L_FR_DRLact/Unlock) | 4. B | Ground (GF06) |

D26 Passenger Pressure Side Impact Sensor

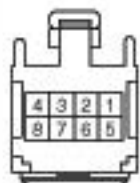
- 2 Female / Brown (FCLPAEWP_02F_Br_C)



- | | | | |
|------|---------------------------|------|--------------------------|
| 1. R | SRS Control Module (High) | 2. L | SRS Control Module (Low) |
|------|---------------------------|------|--------------------------|

D27 Passenger Power Outside Mirror

- 8 Female / Black (MI_X_0008F_B_A)



- | | | | |
|-------|------------------------------------|--------|---------------------------------|
| 1. G | Outside Mirror Switch - Right (VP) | 5. - | - |
| 2. P | Outside Mirror Switch - Up/Down | 8. - | - |
| 3. Gr | Outside Mirror Switch - Right (HR) | 7. B | Ground (GF06) |
| 4. P | BCM - Turn Lamp Output RR | 8. L/B | VP Junction Box - HTD MIRR 7.5A |

D29 Passenger Power Window Motor

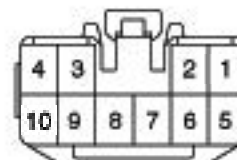
- 2 Female / Gray (FCLSENSOR_02F_GF)



- | | | | |
|------|---------------|------|---------------|
| 1. B | Window Switch | 2. P | Window Switch |
|------|---------------|------|---------------|

D31 Passenger Power Window Switch

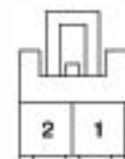
- 10 Female / White (PET_0001020F_W)



- | | | | |
|---------|----------------------------------|--------|----------------------------------|
| 1. R/W | ILI. (+) | 6. Gr | Window Main Switch Ground (GF06) |
| 2. - | - | 7. B | Window Main Switch |
| 3. Gr/B | IPS Control Module (Door Unlock) | 8. G | Window Main Switch |
| 4. L/B | IPS Control Module (Door Lock) | 9. L | VP Junction Box - P/VW RW 25A |
| 5. P | Motor | 10. Br | Motor |

D33 Passenger Door Speaker

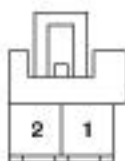
- 2 Female / Black (KUAL_CDR_02F_B)



- | | | | |
|------|-------------|------|-------------|
| 1. R | Speaker (+) | 2. L | Speaker (-) |
|------|-------------|------|-------------|

D34 Passenger Tweeter Speaker

- 2 Female / White (KUM_CDR_02F_W)



- | | | | |
|------|-------------|------|-------------|
| 1. L | Speaker (-) | 2. R | Speaker (+) |
|------|-------------|------|-------------|

D41 Rear Door Lock Actuator LH

- 7 Female / Black (FCLACTRWP_07F_B)



- | | | | |
|------|-------------------------------------|------|---------------------------------------|
| 1. L | VP Junction Box (Door Unlock Relay) | 6. B | Ground (GF02) |
| 2. O | VP Junction Box (Door Lock Relay) | 6. Y | IPS Control Module (Door Lock/Unlock) |
| 3. - | - | 7. - | - |
| 4. - | - | | |

D49 Rear Power Window Motor LH

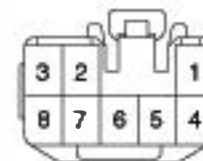
- 2 Female / Grey (FCLSENSOR_02F_G)



- | | | | |
|------|---------------|------|---------------|
| 1. L | Window Switch | 2. G | Window Switch |
|------|---------------|------|---------------|

D50 Rear Power Window Switch LH

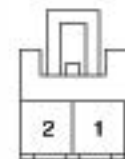
- 8 Female / White (KET_090111_08F_W)



- | | | | |
|------|--------------------|--------|--------------------------------|
| 1. G | Motor | 6. O | VP Junction Box - P/W/W LH 25A |
| 2. P | Window Main Switch | 7. Br | Window Main Switch |
| 3. B | Ground (GF02) | 8. R/O | LL (+) |
| 4. L | Motor | | |
| 5. - | - | | |

D58 Rear Door Speaker LH

- 2 Female / Black (KUM_CDR_02F_B)



- | | | | |
|------|-------------|------|-------------|
| 1. Y | Speaker (+) | 2. B | Speaker (-) |
|------|-------------|------|-------------|

D61 Rear Door Lock Actuator RH

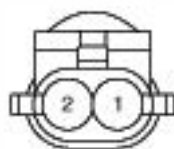
- 7 Female / Black (FCLACTRWP_07F_B)



- | | | | |
|------|---------------------------------------|------|-------------------------------------|
| 1. - | - | 5. - | - |
| 2. Y | IPS Control Module (Door Lock/Unlock) | 6. O | VP Junction Box (Door Lock Relay) |
| 3. B | Ground (GF02) | 7. L | VP Junction Box (Door Unlock Relay) |
| 4. - | - | | |

D69 Rear Power Window Motor RH

- 2 Female / Gray (FCL 30130A_02F_Gr)

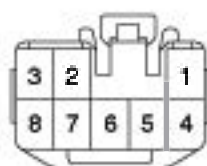


1. P Window Switch

2. Br Window Switch

D70 Rear Power Window Switch RH

- 8 Female / White (KET_0300_L06F_W)

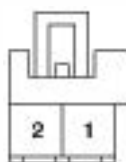


1. Br Motor
 2. L Window Main Switch
 3. B Ground (GND)
 4. P Motor
 5. -

6. R VP Junction Box - PWOW RH 25A
 7. O Window Main Switch
 8. R/O Ill. (+)

D73 Rear Door Speaker RH

- 2 Female / Black (KUM_CDR_02F_B)

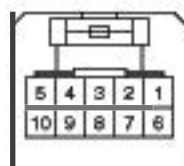


1. G speaker (+)

2. O Speaker (-)

R01 Electro Chromic Mirror

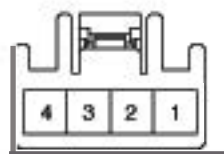
- 10 Female / Black (SUM_025_10F_B)



- | | | | |
|--------|------------------------------------|--------|---|
| 1. Y/B | Rear View Camera (Video GND. (-)) | 8. ● | VP Junction Box - ROOM LP 10A (Home Link) |
| 2. — | — | 7. — | — |
| 3. Y | Rear View Camera (Video Power (+)) | 6. B | Ground (GM02) |
| 4. R/B | Rear View Camera (Video Y GND.) | 5. L | VP Junction Box - Back-Up Lamp Relay |
| 5. R | Rear View Camera (Video In) | 4. G/Y | VP Junction Box - MODULE 2 10A |
| | | 3. — | — |
| | | 2. — | — |
| | | 1. — | — |

R02 Map Lamp

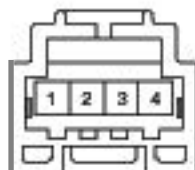
- 4 Female / White (AMP_00011_04F_W)



- | | | | |
|------|-------------------------------|---------|-------------------------|
| 1. B | Ground (GM02) | 3. Br/B | Room Lamp |
| 2. G | VP Junction Box - ROOM LP 10A | 4. Br | BCM (Room Lamp Control) |

R03 MIC

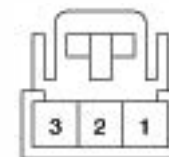
- 10 Male / Black (AMP_M03_04M_B)



- | | | | |
|------|-----------|------|---|
| 1. R | Audio (+) | 8. — | — |
| 2. B | Audio (-) | 4. — | — |

R05 Room Lamp

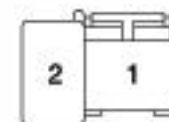
- 3 Female / White (AMP_070_03F_W_H0F)



- | | | | |
|---------|-------------------------------|------|---------------|
| 1. R | VP Junction Box - ROOM LP 10A | 3. B | Ground (GM02) |
| 2. Br/B | Map Lamp | | |

R06 Driver Vanity Lamp

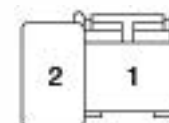
- 2 Female / Black (AMP_FLM2_02F_B_DL)



- | | | | |
|------|-------------------------------|------|---------------|
| 1. G | VP Junction Box - ROOM LP 10A | 2. B | Ground (GM02) |
|------|-------------------------------|------|---------------|

R07 Passenger Vanity Lamp

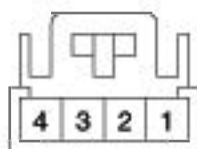
- 2 Female / Black (AMP_FLM2_02F_B_DL)



- | | | | |
|------|-------------------------------|------|---------------|
| 1. G | VP Junction Box - ROOM LP 10A | 2. B | Ground (GM02) |
|------|-------------------------------|------|---------------|

R09 Sunroof Switch

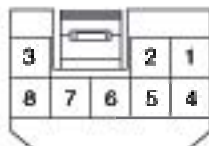
- 4 Female / White (AMP_070_04F_W)



- | | | | |
|---------|----------------|------|---------------|
| 1. Br/B | Down Switch | 3. B | Ground (GM02) |
| 2. L | Tilt Up Switch | 4. W | Open Switch |

R09 Sunroof Motor

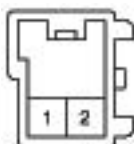
- 8 Female / White (AMP_0900L_02F_W)



- | | | | |
|---------|-------------------------------|-------|----------------------|
| 1. B | Ground (GM02) | 5. W | Open |
| 2. R | VP Junction Box - SUNROOF 15A | 6. L | Tilt Up |
| 3. O | VP Junction Box - MODULE4 10A | 7. - | - |
| 4. Br/B | Close/Tilt Down | 8. Br | Vehicle Speed Signal |

R11 High-Mounted Stop Lamp

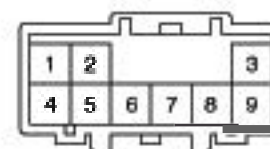
- 2 Male / White (KUM_C0R_02M_W)



- | | | | |
|--------|-----------|------|---------------|
| 1. G/B | ESC Relay | 2. B | Ground (G001) |
|--------|-----------|------|---------------|

R12 License Lamp (Rear View Camera & Tail Gate Handle Switch)

- 9 Male / White (KUM_C0R_03M_W)



- | | | | |
|--------|-------------------------|--------|-------------------------|
| 1. R | Rear View Camera (CV06) | 6. B | Ground (G001) |
| 2. R/B | Rear View Camera (VG00) | 7. B | Ground (G001) |
| 3. G/B | VP Junction Box (IPS 7) | 8. Y/B | Tail Gate Handle Switch |
| 4. Y | Rear View Camera (B+) | 9. G | VP Junction Box - IPS 7 |
| 5. Y/B | Rear View Camera (00ND) | | |

R13 Rear Combination Lamp (L) LH

- 4 Female / White (KET_02C_04F_W)



- | | | | |
|------|---------------|------|--------------------------------------|
| 1. B | Ground (G001) | 3. G | VP Junction Box - IPS 7 |
| 2. - | - | 4. R | VP Junction Box - Back-Up Lamp Relay |


R14 Rear Combination Lamp (R) RH

- 4 Female / White (KET_02C_04F_W)



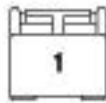
- | | | | |
|------|---------------|------|--------------------------------------|
| 1. B | Ground (G001) | 3. Y | VP Junction Box - IPS 2 |
| 2. - | - | 4. R | VP Junction Box - Back-Up Lamp Relay |

R15 Rear Defogger (-)
 - 1 Female / Blank (AMP_PUM2_01F_B)



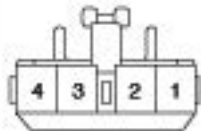
1. B Ground (GR09 / GR01)

R16 Rear Defogger (+)
 - 1 Female / Blank (AMP_PUM2_01F_B)



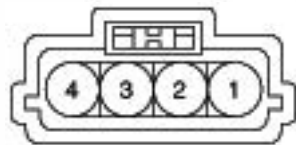
1. G E/R Fuse & Relay Box - RRHTD Relay

R17 Rear Wiper Motor
 - 4 Female / White (MET_0901 IL04F_W)



1. B	Ground (GR01)	3. B	ICM Relay Box - Rear Wiper Relay
2. W	ICM Relay Box - Rear Wiper Relay	4. L	VP Junction Box - WIPERRR 1.5A

R18 Tail Gate Latch
 - 4 Female / Blank (KUM_NOWP_04F_B)



1. B	Ground (GR01)	3. L	VP Junction Box - Tail Gate Relay
2. W	IPS Control Module, License Lamp	4. B	Ground (GR01)

R22 Smart Key Bumper Antenna

- 2 Female/Black (AMP_EJMP_02F_B)



1. B Smart Key Control Module
(Bumper Antenna Signal)

2. W Smart Key Control Module
(Bumper Antenna Ground)

E01 Driver Front Impact Sensor

- 2 Female / Dark Gray (FCL_PAEWP_02F_DGr_B)



1. Br SRS Control Module (High) 2. W SRS Control Module (Low)

E02 Passenger Front Impact Sensor

- 2 Female / Dark Gray (FCL_PAEWP_02F_DGr_B)



1. L SRS Control Module (High) 2. O SRS Control Module (Low)

E11 Start Motor

- 1 Female / N/A (CHT_919312B310_01F)



1-B Battery Power

E12 Start Solenoid

- 1 Female / Gray (MET_5BX_01F_Gr)



1-R B/F Fuse & Relay Box - Start Relay

E13 Alternator

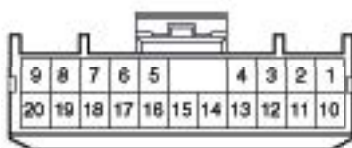
- 1 Female / N/A (TAE_918809K100_01F)



1-B Battery & Battery Fuse Box - ALT 150A

S01 Driver Seat Manual Switch

- 20 Female / N/A (AMP_070_20F)



1. Br	Driver Lumbar Support Switch (RR)	11. Y/R	Driver Reclining Switch (FR)
2. B	Ground (GF01)	12. Gr	Driver Reclining Limit Switch (FR)
3. L/R	Driver Slide Switch (FR)	13. G	Driver Reclining Switch (RR)
4. R/B	Driver Slide Switch (RR)	14. -	-
5. B	Ground (GF01)	15. R	MP Junction Box -
6. G/R	Driver Height Switch (Down)		A/SEAT (DRV) 20A
7. L/Y	Driver Height Switch (Up)	16. L/W	Driver Lumbar Support Switch (FR)
8. B	Ground (GF01)	17. B	Ground (GF01)
9. -	-	18. -	-
10. Y	Driver Reclining Limit Switch (RR)	19. -	-
		20. -	-

S02 Driver Reclining Limit Switch

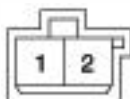
- 3 Female / N/A (KET_0802_03F)



1. Y	Seat Manual Switch (RR)	3. B	Ground (GF01)
2. Gr	Seat Manual Switch (FR)		

S03 Driver Reclining Motor

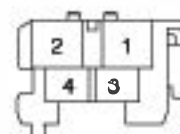
- 2 Male / N/A (KET_0801_L02M)



1. G	Seat Manual Switch (RR)	2. Y/R	Seat Manual Switch (FR)
------	-------------------------	--------	-------------------------

S04 Driver Height Motor

- 4 Female / N/A (AMP_JPM1_4F)



1. L/Y	Seat Manual Switch (Up)	3. -	-
2. G/R	Seat Manual Switch (Down)	4. -	-

S05 Driver Slide Motor

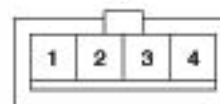
- 4 Female / N/A (KET_080-2_4F)



1. L/R	Seat Manual Switch (FR)	3. -	-
2. -	-	4. R/B	Seat Manual Switch (RR)

S06 Driver Seat Wanner (With Power Seat)

- 4 Male / N/A (KET_0802_04M)



1. B/W	IND. (GND)	3. Y	Seat Switch (Low)
2. B	Ground (GF01)	4. R	Seat Switch (High)

S07 Driver Lumbar Support Motor

- 2 Motor/W/A (KET_09011_02M)



1. Br Seat Manual Switch (FR)

2. LW Seat Manual Switch (FR)

CB21 Control To Battery Harness Connection

- 1 Male / Black (KUM_NHWMP_07M_B)



- 1 Female / Black (KUM_NHWMP_07F_B)

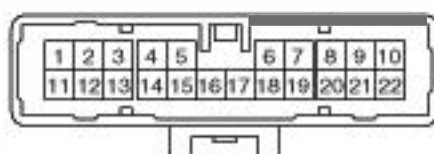


1. R E/R Fuse & Relay Box (Start Relay)

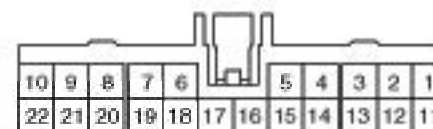
1. R Start Solenoid

CF11 Floor To Control Harness Connection

- 22 Male / White (KET_0901L22M_W)



- 22 Female / White (KET_0901L22F_B)



1. -	-	12. L/B	BSC Module (Yaw Rate Sensor - Ground)
2. G	ICM Relay Box (DBC Relay)	13. O	BSC Module (Yaw Rate Sensor - Power)
3. W/B	Ignition Leak Switch (MT)	14. B	BSC Module (Yaw Rate Sensor - CAN (Low))
4. Y	ESC Module (Yaw Rate Sensor - CAN (High))	15. G/B	ATM Shift Lever (P Position Switch)
5. B	ESC Module (RR VCC)	16. W/B	ATM Shift Lever (Shift Lock Solenoid)
6. Y	ESC Module (RR SIG)	17. Gr	PCM (OCV Control)
7. R	ESC Module (RL VCC)	18. O/B	EMS Box - SENSOR 1 10A
8. L	ESC Module (RL SIG)	19. P	External Buzzer
9. G/B	Stop Lamp Switch	20. G	PCM (FTP & Signal)
10. -	-	21. Br	PCM (FTP & Ground)
11. -	-	22. L	PCM (Sensor Supply)

1. -	-	12. L/B	Yaw Rate Sensor (Ground)
2. G/B	High Mounted Stop Lamp Stop Lamp L/R/H	13. O	Yaw Rate Sensor (Power)
3. W/B	MT - Smart Key Control Module (Ignition Leak Switch)	14. B	Yaw Rate Sensor (CAN - Low)
4. Y	Yaw Rate Sensor (CAN - High)	15. G/B	A/T - BCM, Smart Key Control Module
5. B	Rear Wheel Sensor RH (VCC)	16. W/B	4P Junction Box - TPMS 7.5A
6. Y	Rear Wheel Sensor RH (SIG)	17. Gr	Center Close Valve (Control)
7. R	Rear Wheel Sensor LH (VCC)	18. O/B	Center Close Valve (Power)
8. L	Rear Wheel Sensor LH (SIG)	19. P	Smart Key Control Module (External Buzzer)
9. G/B	Smart Key Control Module (Stop)	20. G	FTPS (Signal)
10. -	-	21. Br	FTPS (Ground)
11. -	-	22. L	FTPS (Supply)

EC11 Control To Front End Module Harness Connection

- 2 Female / Black (KUM_NAWP_02F_B)



- 2 Male / Black (KUM_NAWP_02M_B)



1. Br Driver Front Impact Sensor (High) 2. W Driver Front Impact Sensor (Low)

1. Br SRS - Driver FIS (High) 2. W SRS - Driver FIS (Low)

EC21 Front End Module Harness To Control Connection

- 2 Male / Black (KUM_NAWP_02M_B)



- 2 Female / Black (KUM_NAWP_02F_B)



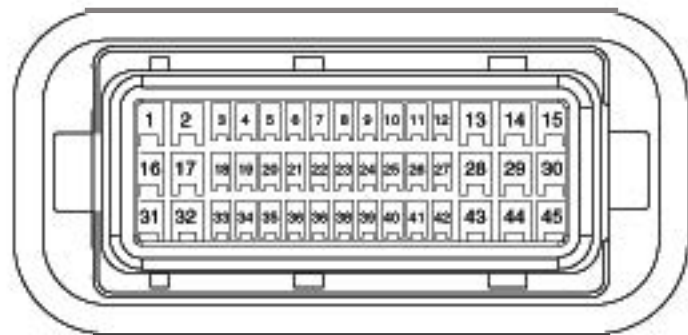
1. L Passenger Front Impact Sensor (High) 2. ● Passenger Front Impact Sensor (Low)

1. L SRS - Passenger FIS (High) 2. ● SRS - Passenger FIS (Low)

Harness Connection (3)

FD11 Floor To Driver Door Harness Connection

- 45 Male / Black (KET_HYBRID_45MLB)

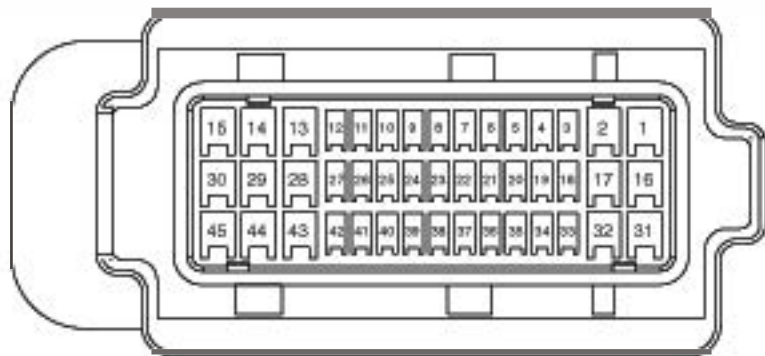


1. G	Passenger Power Window Switch	16. L	Rear Power Window Switch RH	31. W	BCM	41. -	-
2. O	VP Junction Box - PWINDOW LH 25A	17. Y	VP Junction Box - SAFETY POWER WINDOW 20A	32. B	(Turn & Hazard Lamp Output FL)	42. -	-
3. -	-	18. G	Passenger Power Outside Mirror	33. P	Ground (GF01)	43. P	Rear Power Window Switch LH
4. P	Passenger Power Outside Mirror	19. GrB	IPS Control Module (Door Unlock Switch)	34. R	IPS Control Module (Driver Door Key Lock Signal)	44. O	Rear Power Window Switch RH
5. G	VP Junction Box - AUDIO 2 10A	20. LB	IPS Control Module (Door Lock Switch)	35. O	VP Junction Box (Door Lock Relay)	45. W/O AMP	
6. B	SRS - Driver SIS (High)	21. G	ICM Relay Box (Two Turn Unlock Relay)	36. Gr	Passenger Power Outside Mirror	W	Audio - FL (-)
7. W	SRS - Driver SIS (Low)	22. Gr	IPS Control Module (Driver Door Lock/Unlock Signal)	37. -	-	W	With AMP
8. -	-	23. GrB	Smart Key Control Module (LFRDR Lock/Unlock)	38. W	Smart Key Control Module (O_FL_DR_ANT_GND)	W	AMP - FL (-)
9. -	-	24. R	VP Junction Box - IPS 3 (ILL.)	39. Br	Smart Key Control Module (O_FL_DR_ANT)		
10. -	-	25. -	-	40. G	BCM (Safety Power Window)		
11. Br	With AMP - AMP (FL (+))	26. -	-				
12. W	With AMP - AMP (FL (-))	27. -	-				
13. B	Ground (GF01)	28. W/O AMP					
14. LB	VP Junction Box - HTD MIRR 7.5A	Br	Audio - FL (+)				
15. R	VP Junction Box - PWINDOW RH 25A	With AMP					
		Br	AMP - FL (+)				
		29. Gr	Passenger Power Window Switch				
		30. Br	Rear PWINDOW Switch LH				

Harness Connection (4)

FD11 Floor To Driver Door Harness Connection (cont'd)

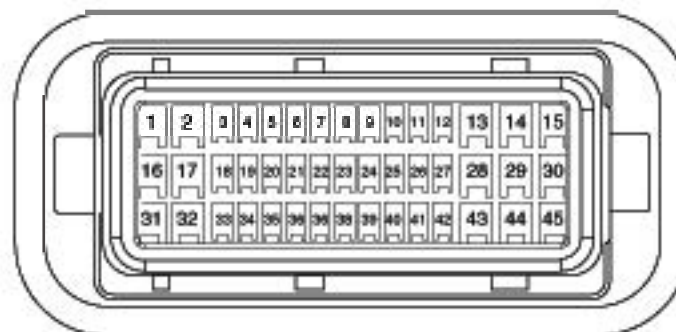
- 45 Female / Black (KET_HYBRID_45F_B)



1. G	Power Window Main Switch (Passenger Window Switch)	16. L	Power Window Main Switch (RR)	31. W	Driver Power Outside Mirror (Turn Lamp)	41. -	-
2. O	With Safety - Window Switch (RL B+) W/O Safety - Window Switch (Driver, RL B+)	17. Y	Safety Power Window Module (B+)	32. B	Ground -	42. -	-
3. -	-	18. G	Power Outside Mirror Switch (VFR)	33. P	Power Window Main Switch, Safety Power Window Module, Power Outside Mirror Switch	43. P	Power Window Main Switch (RL)
4. P	Power Outside Mirror Switch (Up/Down)	19. Gr/B	Power Window Main Switch (Door Switch (Unlock))	34. R	Driver Door Lock Actuator (Key Unlock)	44. O	Power Window Main Switch (RR)
5. G	Power Outside Mirror Switch (ACC)	20. L/B	Power Window Main Switch (Door Switch (Lock))	35. O	Driver Door Lock Actuator (Key Lock)	45. W	Driver Door Speaker (-), Driver Tweeter Door Speaker (-)
6. B	Driver Side Impact Sensor (High)	21. G	Driver Door Lock Actuator (Door Lock/Unlock)	36. Gr	Driver Door Lock Actuator (Actuator)		
7. W	Driver Side Impact Sensor (Low)	22. Gr	Driver Door Lock Actuator (Door Lock/Unlock)	37. -	Power Outside Mirror Switch (HF)		
8. -	-	23. Gr/B	Driver Smart Key Outside Handle (Lock Switch)	38. W	-		
9. -	-	24. R	Driver Smart Key Outside Handle (Lock Switch)	39. Br	Driver Smart Key Outside Handle (Antenna -)		
10. -	-	25. -	Power Window Main Switch (ILL +)	40. G	Driver Smart Key Outside Handle (Antenna +)		
11. Br	With AMP - Driver Door Tweeter Speaker (+)	26. -	-		Safety Power Window Module (CO&I)		
12. W	With AMP - Driver Door Tweeter Speaker (-)	27. -	-				
13. B	Ground - Driver Door Lock Actuator, Driver Smart Key Outside Handle, Driver Power Outside Mirror (Odogge)	28. Br	Driver Door Speaker (+), W/O AMP -				
14. L/B	Driver Power Outside Mirror (Odogge)	29. Gr	Driver Door Tweeter Speaker (+)				
15. R	Power Window Main Switch - Window Switch (Passenger B+, RR B+)	30. Br	Power Window Main Switch (Passenger Window Switch)				
			Power Window Main Switch (RL)				

FD21 Floor To Passenger Door Harness Connection

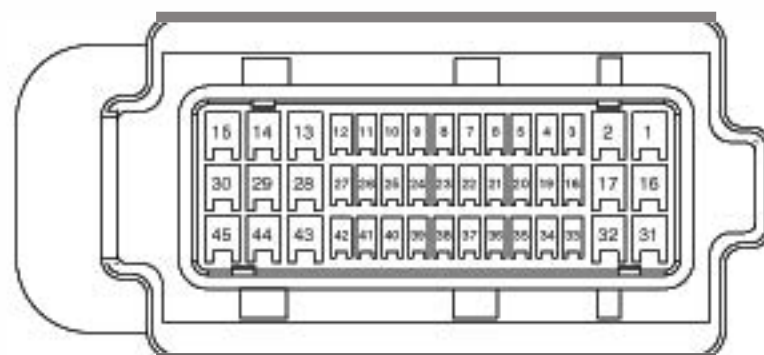
- 45 Male / Black (KET_HYBRID_45MLB)



1.-	-	18.-	-	28. Gr	Power Outside Mirror Switch (HR)	39. R	With AMP - AMP (F R(+))
2.-	-	19.-	-	29. P	Power Outside Mirror Switch (Up/Down)	40. L	With AMP - AMP (FR(-))
3.O	VP Junction Box (Door Lock Relay)	20. Br	IPS Control Module (Passenger Door Key Lock Signal)	30.-	-	41. R	SRS - Passenger SIB (High)
4.-	-	21. G	IPS Control Module (Passenger Door Key Unlock Signal)	31. B	Ground (GF06)	42. L	SRS - Passenger SIB (Low)
5.-	-	22.-	-	32. P	BCM	43. W/O AMP	
6.-	-	23. B	Smart Key Control Module (OFF FRONT GND)	33. L	VP Junction Box (Door Unlock Relay)	R	Audio - FR (+)
7.-	-	24. W/B	Smart Key Control Module (LFRDR Lock/Unlock)	34.-	-	With AMP	
8.-	-	25. W	IPS Control Module (Passenger Door Lock/Unlock Signal)	35. Gr/B	IPS Control Module (Door Unlock Switch)	R	AMP - FR (+)
9.-	-	26.-	-	36. L/B	IPS Control Module (Door Lock Switch)	44. W/O AMP	
10.-	-	27. W	Smart Key Control Module (OFF FRONT)	37.-	-	L	Audio - FR (-)
11.-	-			38. L/B	VP Junction Box - IPS 2 (ILL)	With AMP	
12.-	-			38. R/O	VP Junction Box - IPS 2 (ILL)	L	AMP - FR (-)
13. R	VP Junction Box - P/WOW RH 25A					45.-	-
14. Gr	Power Window Main Switch (Passenger Window Switch)						
15. G	Power Window Main Switch (Passenger Window Switch)						
16. L/B	VP Junction Box - HT D MIRR 7.5A						
17. G	Power Outside Mirror Switch (YA)						

FD21 Floor To Passenger Door Harness Connection (cont'd)

- 45 Female / Back (KET_HYBRID_45F_B)

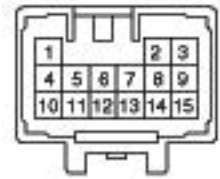


1. -	-	16. L/B	Passenger Power Outside Mirror (Driver's)	31. B	Ground - Passenger Power Window Switch, Passenger Door Lock Actuator, Passenger Power Outside Mirror, Passenger Smart Key Outside Handle	41. R	Passenger Side Impact Sensor (High)
2. -	-	17. G	Passenger Power Outside Mirror	32. P	Passenger Power Outside Mirror (Turn Lamp)	42. L	Passenger Side Impact Sensor (Low)
3. O	Passenger Door Lock Actuator (Actuator)	18. -	-	33. L	Passenger Door Lock Actuator (Actuator)	43. R	Passenger Door Speaker (+), W/O AMP -
4. -	-	19. -	-	34. -	-	44. L	Passenger Door Speaker (+), W/O AMP -
5. -	-	20. Br	Passenger Door Lock Actuator (Key Lock)	35. Gr/B	Passenger Power Window Switch (Door Switch (Unlock))	45. -	-
6. -	-	21. G	Passenger Door Lock Actuator (Key Unlock)	36. L/B	Passenger Power Window Switch (Door Switch (Lock))		
7. -	-	22. -	-	37. -	-		
8. -	-	23. B	Passenger Smart Key Outside Handle (Antenna -)	38. R/O	Passenger Power Window Switch (ILL +)		
9. -	-	24. W/B	Passenger Smart Key Outside Handle (Lock Switch)	39. R	With AMP - Passenger Door Tweeter Speaker (+)		
10. -	-	25. W	Passenger Door Lock Actuator (Door Lock/Unlock)	40. L	With AMP - Passenger Door Tweeter Speaker (-)		
11. -	-	26. -	-				
12. -	-	27. W	Passenger Smart Key Outside Handle (Antenna +)				
13. L	Passenger Power Window Switch (B+)	28. Gr	Passenger Power Outside Mirror				
14. Y	Passenger Power Window Switch	29. P	Passenger Power Outside Mirror				
15. G	Passenger Power Window Switch	30. -	-				

Harness Connection (7)

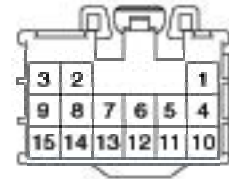
FD31 Floor To Rear Door LH Harness Connection

- 15 Male / White (KET_09011_15M_W)



- | | | | |
|------|--|---------|--|
| 1. L | VP Junction Box (Door Unlock Relay) | 9. Br | Power Window Main Switch (Rear Window Switch LH) |
| 2. O | VP Junction Box (Door Lock Relay) | 10. B | Ground (GF02) |
| 3. - | - | 11. P | Power Window Main Switch (Rear Window Switch LH) |
| 4. Y | IPS Control Module (Rear Door LH Lock/Unlock Signal) | 12. R/⊕ | VP Junction Box - IPS 3 (ILL-) |
| 5. B | Ground (GF02) | 13. - | - |
| 6. - | - | 14. Y | Audio / AMP - RL (+) |
| 7. - | - | 15. B | Audio / AMP - RL (-) |
| 8. O | VP Junction Box - R/WOW LH 25A | | |

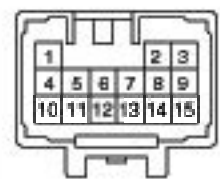
- 15 Female / White (KET_09011_15F_W)



- | | | | |
|------|--|---------|------------------------------------|
| 1. L | Rear Door Lock Actuator LH | 9. Br | Rear Power Window Switch LH |
| 2. O | Rear Door Lock Actuator LH | 10. B | Rear Power Window Switch LH (ILL-) |
| 3. - | - | 11. P | Rear Power Window Switch LH |
| 4. Y | Rear Door Lock Actuator LH (Lock/Unlock Switch) | 12. R/⊕ | Rear Power Window Switch LH (ILL+) |
| 5. B | Rear Door Lock Actuator LH (Lock/Unlock Switch Ground) | 13. - | - |
| 6. - | - | 14. Y | Rear Door Speaker LH (+) |
| 7. - | - | 15. B | Rear Door Speaker LH (-) |
| 8. O | Rear Power Window Switch LH (B+) | | |

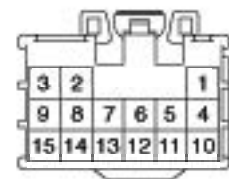
FD41 Floor To Rear Door RH Harness Connection

- 15 Male / White (KET_09011_15M_W)



- | | | | |
|--------|--|-------|--|
| 1. L | VP Junction Box (Door Unlock Relay) | 9. O | Power Window Main Switch (Rear Window Switch RH) |
| 2. O | VP Junction Box (Door Lock Relay) | 10. G | Audio / AMP - RR (+) |
| 3. R/O | VP Junction Box - IPS 3 (ILL-) | 11. O | Audio / AMP - RR (-) |
| 4. Y | IPS Control Module (Rear Door RH Lock/Unlock Signal) | 12. - | - |
| 5. B | Ground (GF02) | 13. - | - |
| 6. L | Power Window Main Switch (Rear Window Switch RH) | 14. - | - |
| 7. - | - | 15. B | Ground (GF02) |
| 8. R | VP Junction Box - R/WOW RH 25A | | |

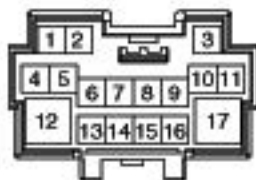
- 15 Female / White (KET_09011_15F_W)



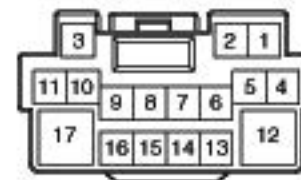
- | | | | |
|--------|------------------------------------|-------|------------------------------------|
| 1. L | Rear Door Lock Actuator RH | 9. O | Rear Power Window Switch RH |
| 2. O | Rear Door Lock Actuator RH | 10. G | Rear Door Speaker RH (+) |
| 3. R/O | Rear Power Window Switch RH (ILL+) | 11. O | Rear Door Speaker RH (-) |
| 4. Y | Rear Door Lock Actuator RH | 12. - | - |
| 5. B | Rear Door Lock Actuator RH | 13. - | - |
| 6. L | Rear Power Window Switch RH | 14. - | - |
| 7. - | - | 15. B | Rear Power Window Switch RH (ILL-) |
| 8. R | Rear Power Window Switch RH (B+) | | |

FR11 Floor To Tail Gate Harness Connection

- 17 Male / White (KET_HYB1800_17M_W)



- 17 Female / White (KET_J1YB1800_17F_W)



- | | | | | |
|-------------------------|---|--------------------------|--|---|
| 1. L | IP Junction Box - VIPERR15A | 11. W/O A/V & Navigation | | |
| 2. Br | ICM Relay Box (Rear Wiper Relay) | Y | Electro Chromic Mirror (Video PWR. +) | |
| 3. W | ICM Relay Box (Rear Wiper Relay) | With A/V & Navigation | Y | A/V & Navigation Head Module (Video PWR. +) |
| 4. W/O A/V & Navigation | | 12. G | ER Fuse & Relay Box (RR HTD Relay) | |
| Y/G | Electro Chromic Mirror (Video GND.) | 13. Y/B | Smart Key Control Module (Tail Gate) | |
| With A/V & Navigation | | 14. L | IP Junction Box (Tail Gate Relay) | |
| Y/G | A/V & Navigation Head Module (Video GND.) | 15. W | IPS Control Module (Tail Gate Open Switch), Luggage Lamp | |
| 5. - | - | 16. R | IP Junction Box (Back-Up Lamp Relay) | |
| 6. W/O A/V & Navigation | | 17. B | Ground (GND) | |
| R | Electro Chromic Mirror (Video In) | | | |
| With A/V & Navigation | | | | |
| R | A/V & Navigation Head Module (Video In) | | | |
| 7. W/O A/V & Navigation | | | | |
| R/B | Electro Chromic Mirror (Video V3GND.) | | | |
| With A/V & Navigation | | | | |
| R/B | A/V & Navigation Head Module (Video V3GND.) | | | |
| 8. G | PS Control Module - IPS7 | | | |
| 9. Y | PS Control Module - IPS2 | | | |
| 10. G/B | ICM Relay Box (DBC Relay) | | | |

- | | | | |
|---------|---|---------|---|
| 1. L | Rear Wiper Motor | 11. Y | License Lamp (Rear View Camera - B+) |
| 2. Br | Rear Wiper Motor | 12. G | Rear Outgoing (+) |
| 3. W | Rear Wiper Motor | 13. Y/B | License Lamp (Tail Gate Handle Switch) |
| 4. Y/B | License Lamp (Rear View Camera - GND.) | 14. L | Tail Gate Latch |
| 5. - | - | 15. W | Tail Gate Latch (Tail Gate Open Switch) |
| 6. R | License Lamp (Rear View Camera - CVBS) | 16. R | Back-Up Lamp LHV RH |
| 7. R/B | License Lamp (Rear View Camera - VGND.) | 17. B | Rear Outgoing (-) |
| 8. G | Tail Lamp LH, License Lamp | | |
| 9. Y | Tail Lamp RH | | |
| 10. G/B | High Mounted Stop Lamp | | |

FR22 Floor To Bumper Harness Connection

- 2 Male / Black (KUM_NMWP_02M_B)



- | | | | |
|------|--|------|--|
| 1. B | Smart Key Control Module
(Bumper ANT) | 2. W | Smart Key Control Module
(Bumper ANT GND) |
|------|--|------|--|

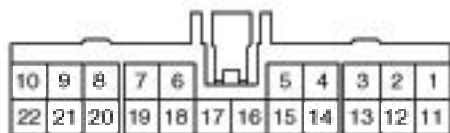
- 2 Female / Black (KUM_NMWP_02F_B)



- | | | | |
|------|--|------|--|
| 1. B | Smart Key Bump Antenna
(Bumper ANT) | 2. W | Smart Key Bump Antenna
(Bumper ANT GND) |
|------|--|------|--|

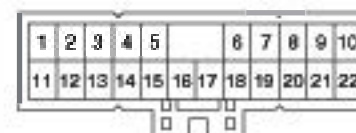
FS11 Floor To Driver Seat Harness Connection

- 22 Female / White (KET_08011L_22F_W)



- | | | | |
|-------|---|-------|---|
| 1. - | - | 12. - | - |
| 2. - | - | 13. - | - |
| 3. - | - | 14. - | - |
| 4. - | - | 15. - | - |
| 5. W | Console Switch
(Driver Seat Warmer Relay - High) | 16. B | Console Switch
(Driver Seat Warmer Switch) |
| 6. L | Console Switch
(Driver Seat Warmer Relay - Low) | 17. - | - |
| 7. - | - | 18. - | - |
| 8. B | Ground (GND1) | 19. - | - |
| 9. - | - | 20. - | - |
| 10. B | Ground (GND1) | 21. - | - |
| 11. R | VP Junction Box -
P/SEAT(DRV) 20A | 22. - | - |

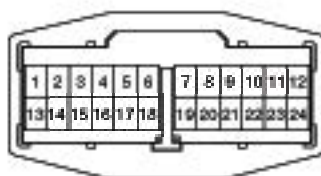
- 22 Male / White (KET_080-2_22M_W)



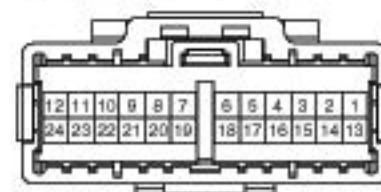
- | | | | |
|-------|---|---------|------------------------------------|
| 1. - | - | 12. - | - |
| 2. - | - | 13. - | - |
| 3. - | - | 14. - | - |
| 4. - | - | 15. - | - |
| 5. R | Driver Seat Warmer
(Switch - High) | 16. B/W | Driver Seat Warmer
(IND. - GND) |
| 6. Y | Driver Seat Warmer
(Switch - Low) | 17. - | - |
| 7. - | - | 18. - | - |
| 8. B | Driver Seat Warmer (GND) | 19. - | - |
| 9. - | - | 20. - | - |
| 10. B | Driver Seat Manual Switch (GND),
Driver Reclining Limit Switch (GND) | 21. - | - |
| 11. R | Driver Seat Manual Switch (B+) | 22. - | - |

MC11 Main To Control Harness Connection

- 24 Male / White (KUM_HBC_24M_W)



- 24 Female / White (KUM_HSC_24F_W)



1. -	-	13. G	Cruise Remote Control Switch (Supply)
2. -	-	14. -	-
3. -	-	15. -	-
4. W/B	PDM	16. -	-
5. -	-	17. O/B	BSC Off Switch
6. M/T	Vehicle Speed Signal	18. P	PDM
Br		19. O	SRS - Passenger FRS (Low)
7. L	SRS - Passenger FRS (High)	20. ●	BSC Switch
8. -	-	21. -	-
9. -	-	22. -	-
10. -	-	23. -	-
11. B	Cruise Remote Control Switch (Ground)	24. -	-
12. L	Cruise Remote Control Switch (Signal)		

1. -	-	13. G	5/F Fuse & Relay Box - ECU 27.5A
2. -	-	14. -	-
3. -	-	15. -	-
4. W/B	PCM (Engine Speed Signal)	16. -	-
5. -	-	17. ●	BSC Module (BSC Off Switch 'ON')
6. M/T	Vehicle Speed Sensor	18. P	BSC Module (Wheel Speed Sensor Output (FR))
Br		19. ●	Passenger Front Impact Sensor (Low)
7. L	Passenger Front Impact Sensor (High)	20. ●	BSC Module (DBC Switch 'OFF')
8. -	-	21. -	-
9. -	-	22. -	-
10. -	-	23. -	-
11. B	PCM (Cruise Control Switch Ground)	24. -	-
12. L	PCM (Cruise Control Switch Signal)		

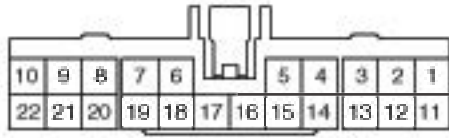
Harness Connection (11)

MC21 Main To Control Harness Connection

- 22 Male / Blue (KET_09010_22M_L)



- 22 Female / Blue (KET_09010_22F_L)

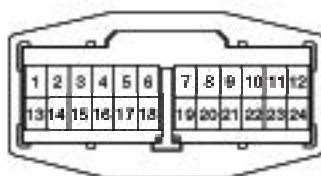


- | | | | |
|-------|---------------------------------------|-----------|----------------------------------|
| 1. O | C-CAN (Low)
(Data Link Connector) | 12. - | - |
| 2. - | - | 13. - | - |
| 3. - | - | 14. B | Front Washer Switch |
| 4. - | - | 15. L | Rear Washer Switch, BCM |
| 5. - | - | 16. O | Instrument Cluster (Fuel Sender) |
| 6. G | ICM Relay Box (DSC Relay) | 17. - | - |
| 7. - | - | 18. - | - |
| 8. - | - | 19. W/B | ICM Relay Box (DSC Relay) |
| 9. - | - | 20. - | - |
| 10. - | - | 21. B/R/O | Instrument Cluster (IMMO. IND.) |
| 11. G | C-CAN (High)
(Data Link Connector) | 22. - | - |

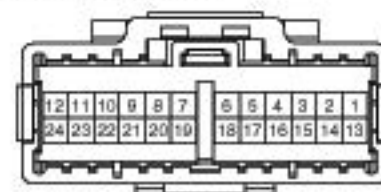
- | | | | |
|-------|--|-----------|------------------------------|
| 1. ● | C-CAN (Low)
(BSC Module, PCM,
Multipurpose Check Connector) | 12. - | - |
| 2. - | - | 13. - | - |
| 3. - | - | 14. B | Front Washer Motor |
| 4. - | - | 15. L | Rear Washer Motor |
| 5. - | - | 16. ● | PCM (Fuel Tank Level Sender) |
| 6. G | ESCM Module,
High Mounted Stop Lamp
Stop Lamp L/R/H | 17. - | - |
| 7. - | - | 18. - | - |
| 8. - | - | 19. W/B | BSC Module |
| 9. - | - | 20. - | - |
| 10. - | - | 21. B/R/O | PCM (IMMO. IND.) |
| 11. G | C-CAN (High)
(BSC Module, PCM,
Multipurpose Check Connector) | 22. - | - |

MC31 Main To Control Harness Connection

- 24 Male / White (KUM_HBC_24M_W)



- 24 Female / White (KUM_HSC_24F_W)

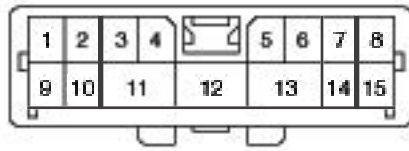


1. -	-	13. -	-
2. R/B	PCM (Start Feed back Signal)	14. -	-
3. Gr	A/C Control Module (ECV IN)	15. L	A/C Control Module (ECV OUT)
4. Y/B	Instrument Cluster (Check Engine IN0.)	16. -	-
5. -	-	17. B/B	BCM (Wiper Relay (Low) Control)
6. G	ICM Relay Box (DSC Relay)	18. -	-
7. Y/B	Instrument Cluster (OR Pressure IN0.)	19. -	-
8. R/B	4WD ECU (CONSTANT Input)	20. Gr	Multifunction Switch (Horn Switch)
9. W	Data Link Connector (Body K-Line)	21. -	-
10. -	-	22. -	-
11. Br	SRS - Driver AIS (High)	23. -	-
12. W	SRS - Driver AIS (Low)	24. -	-

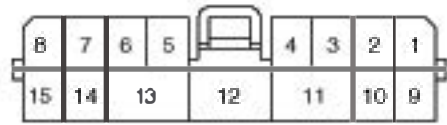
1. -	-	12. W	Driver Front Impact Sensor (Low)
2. R/B	E/R Fuse & Relay Box (Start Relay), MT - PCM (Start Overrun (PCM))	13. -	-
3. Gr	A/C Compressor (Electrical Control Valve (+))	14. -	-
4. Y/B	PCM (Check Engine IN0.)	15. L	A/C Compressor (Electrical Control Valve (-))
5. -	-	16. -	-
6. G	Stop Lamp Switch, EBC Module	17. B/B	E/R Fuse & Relay Box (Wiper FRT, LO Relay)
7. Y/B	OR Pressure Switch	18. -	-
8. R/B	VP Junction Box - MODULE 1 10A	19. -	-
9. W	Multipurpose Check Connector (Body K-Line)	20. Gr	E/R Fuse & Relay Box (Horn Relay)
10. -	-	21. -	-
11. Br	Driver Front Impact Sensor (High)	22. -	-
		23. -	-
		24. -	-

MC41 Main To Control Harness Connection

- 15 Male / Blue (AMP_0725_15M_L)



- 15 Female / Blue (AMP_0725_15F_L)



- | | |
|--|--|
| 1. With Smart Key
W/O Smart Key Control Module
W/O Smart Key
L Immobilizer Module | 8. L Immobilizer Module |
| 2. G Front Wiper Washer Switch (IND.) | 9. - - |
| 3. LB A/C Control Module
(Ambient Sensor (e)) | 10. L ICM Relay Box (DBC Relay) |
| 4. Gr A/C Control Module
(Sensor Ground) | 11. R With Smart Key -
PDM Relay Box (IG2&2 Relay)
W/O Smart Key - (Ignition Switch) |
| 5. Gr Front Wiper Switch | 12. With Smart Key
P PDM Relay Box (IGN1 Relay) |
| 6. P Fuel Pump Motor | 13. - - |
| 7. P Front Wiper Switch (High) | 14. G Front Wiper Switch (Low) |
| | 15. B Immobilizer Module |

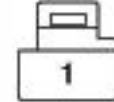
- | | |
|---|--|
| 1. L PCM (IMMO. Data Line) | 8. L EMS Box - SENSOR 10A |
| 2. G E/R Fuse & Relay Box
(Battery Relay) | 9. - - |
| 3. LB Ambient Sensor | 10. L E/R Fuse & Relay Box -
SI@PLP 10A |
| 4. Gr Ambient Sensor | 11. R E/R Fuse & Relay Box - IGN 2 40A |
| 5. Gr E/R Fuse & Relay Box
(Wiper FRT. LB Relay) | 12. P E/R Fuse & Relay Box - IGN 1 30A |
| 6. P EMS Box
(F/Pump Relay) | 13. - - |
| 7. P Front Wiper Motor (High) | 14. G Front Wiper Motor (Low) |
| | 15. B Ground (CAN/GS) |

MC51 Main To Control Harness Connection

- 1 Male / White (KET_56L_01M_W) - 1 Female / White (KET_56L_01F_W)



- 1 Female / White (KET_56L_01F_W)

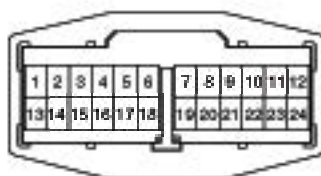


1. R E/R Fuse & Relay Box - MOPS 60A

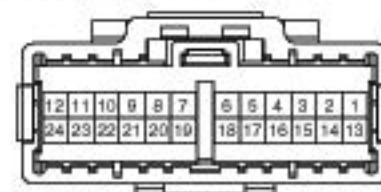
1. R EPS Control (Battery Power)

MF11 Main To Floor Harness Connection

- 24 Male / Yellow (KUM_HSC_24M_Y)



- 24 Female / Yellow (KUM_HSC_24F_Y)

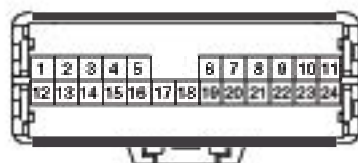


1. R/B	UP Junction Box - SMARTKEY 10A	13. -	-
2. -	-	14. -	-
3. W/B	PODS (BMMO. Data)	15. -	-
4. Y/B	PODS (BMMO. Clock)	16. -	-
5. P/B	PODS (Holder ILL)	17. -	-
6. O/B	PODS (Fob In)	18. R/O	ATM Shift Lever (ILL +)
7. -	-	19. L/O	ATM Shift Lever (ILL -)
8. -	-	20. W/B	ICM Relay Box (Rear Wiper Relay)
9. O	C-CAN (Low) (Data Link Connector)	21. O	Instrument Cluster (Fuel Sender +)
10. G	C-CAN (Hi) (Data Link Connector)	22. B	Instrument Cluster (Fuel Sender -)
11. -	-	23. -	-
12. -	-	24. -	-

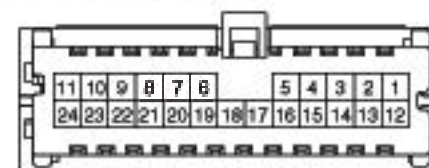
1. R/B	Fob Holder	13. -	-
2. -	-	14. -	-
3. W/B	Fob Holder (BMMO. Data)	15. -	-
4. Y/B	Fob Holder (BMMO. Clock)	16. -	-
5. P/B	Fob Holder (ILL -)	17. -	-
6. O/B	Fob Holder (Fob In)	18. R/O	ATM Shift Lever ILL- (ILL +)
7. -	-	19. L/O	ATM Shift Lever ILL- (ILL -)
8. -	-	20. W/B	IPB Control Module (Rear Wiper Relay Control)
9. O	PODS (C-CAN Low)	21. O	Fuel Sender (+)
10. G	PODS (C-CAN Hi)	22. B	Fuel Sender (-)
11. -	-	23. -	-
12. -	-	24. -	-

MF21 Main To Floor Harness Connection

- 24 Male / Gray (KET_0400L_24M_GR)



- 24 Female / Gray (KET_0400R_24F_GR)



1. -	-	13. -	-
2. -	-	14. -	-
3. -	-	15. W/O A/V & Navigation	
4. W/O A/V & Navigation		R	Electro Chromic Mirror (Video In)
Y/B	Electro Chromic Mirror (Video GND.)	With A/V & Navigation	
With A/V & Navigation		R	A/V & Navigation Head Module (Video In)
Y/B	A/V & Navigation Head Module (Video GND.)	16. W/O A/V & Navigation	
5. W/O A/V & Navigation		R/B	Electro Chromic Mirror (Video VGND.)
Y	Electro Chromic Mirror (Video PVVR +)	With A/V & Navigation	
With A/V & Navigation		R/B	A/V & Navigation Head Module (Video VGND.)
Y	A/V & Navigation Head Module (Video PVVR +)	17. -	-
6. G	ECM (Safety Power Window Module)	18. -	-
7. O	C-CAN (Low) (Data Link Connector)	19. Y	4WD Lock Switch
8. -	-	20. G	C-CAN (High) (Data Link Connector)
9. -	-	21. -	-
10. G	H&M Relay Box (Two Turn Unlock Relay)	22. -	-
11. -	-	23. RVD	VP Junction Box - TPMS 7.5A
12. -	-	24. -	-

1. -	-	13. -	-
2. -	-	14. -	-
3. -	-	15. R	License Lamp (Rear View Camera - CVBS)
4. Y/B	License Lamp (Rear View Camera - GND.)	16. R/B	License Lamp (Rear View Camera - VGND.)
5. Y	License Lamp (Rear View Camera - B+)	17. -	-
6. G	Safety Power Window Module (COM)	18. -	-
7. O	4WD ECM (C-CAN (Low))	19. Y	4WD ECM (4WD Lock Switch)
8. -	-	20. G	4WD ECM (C-CAN (High))
9. -	-	21. -	-
10. G	Door Lock Actuators	22. -	-
11. -	-	23. RVD	4WD ECM (B+)
12. -	-	24. -	-

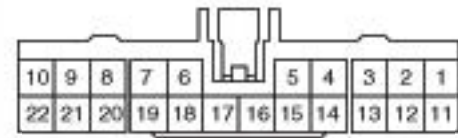
MF31 Main To Floor Harness Connection

- 22 Male / Blue (KET_0801L_22M_L)



- | | | | |
|-------|---|---------|--|
| 1. Br | Console Switch
(Driver Seat Warmer Switch) | 12. W | Console Switch
(Pass. Seat Warmer Relay) - High |
| 2. W | Console Switch
(Driver Seat Warmer Relay - High) | 13. L | Console Switch
(Pass. Seat Warmer Relay) - Low |
| 3. L | Console Switch
(Driver Seat Warmer Relay - Low) | 14. Br | ICM Relay Box (Rear Wiper Relay) |
| 4. B | Audio (Rear LH Speaker -) | 15. W | ICM Relay Box (Rear Wiper Relay) |
| 5. Y | Audio (Rear LH Speaker +) | 16. W/O | A/V & Navigation |
| 6. - | - | L | Audio
(CAN - High) |
| 7. - | - | | With A/V & Navigation |
| 8. W | Audio (Front LH Speaker -) | L | A/V & Navigation Head Module
(CAN - High) |
| 9. Br | Audio (Front LH Speaker +) | 17. W/O | A/V & Navigation |
| 10. - | - | R | Audio
(CAN - Low) |
| 11. - | - | | With A/V & Navigation |
| | | R | A/V & Navigation Head Module
(CAN - High) |
| | | 18. - | - |
| | | 19. W/O | A/V & Navigation |
| | | G | Audio (Antenna) |
| | | | With A/V & Navigation |
| | | G | A/V & Navigation Head Module
(Antenna) |
| | | 20. FrB | MP Junction Box - MODULE 1 10A |
| | | 21. P | EMS Box
(Fuel Pump Relay) |
| | | 22. - | - |

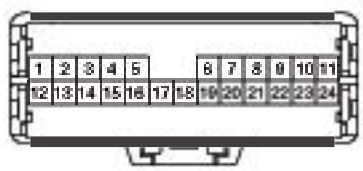
- 22 Female / Blue (KET_0801L_22F_L)



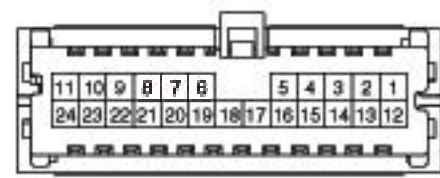
- | | | | |
|-------|---------------------------------------|---------|--|
| 1. Br | Driver Seat Warmer (DND - GND) | 12. W | Passenger Seat Warmer
(Switch - High) |
| 2. W | Driver Seat Warmer
(Switch - High) | 13. L | Passenger Seat Warmer
(Switch - Low) |
| 3. L | Driver Seat Warmer (Switch - Low) | 14. Br | Rear Wiper Motor |
| 4. B | Rear Door Speaker LH (-) | 15. W | Rear Wiper Motor |
| 5. Y | Rear Door Speaker LH (+) | 18. L | AMP (CAN - High) |
| 6. - | - | 17. R | AMP (CAN - Low) |
| 7. - | - | 18. - | - |
| 8. W | Driver Door Speaker (-) | 19. G | Roof Antenna |
| | Driver Door Tweeter Speaker (-) | 20. FrB | 4WD BCM (ONSTART Input) |
| 9. Br | Driver Door Speaker (+) | 21. P | Fuel Pump Motor |
| | Driver Door Tweeter Speaker (+) | 22. - | - |
| 10. - | - | | |
| 11. - | - | | |

MF41 Main To Floor Harness Connection

- 24 Male / Gray (KET_0400L24M_GR)



- 24 Female / Gray (KET_0400R24F_GR)

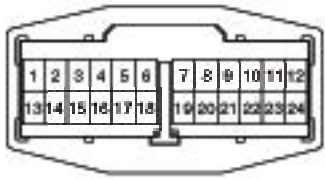


- | | | | |
|--------------------------|---|------------------------------|---|
| 1. Br | Console Switch
(Passenger Seat Warmer Switch) | 13. W/O A/V & Navigation | |
| 2. - | - | G | Audio
(SPDIF - OUT (-)) |
| 3. R | Instrument Cluster (B-CAN (Low)) | | With A/V & Navigation |
| 4. B/ND | Instrument Cluster (INSTR. IND.) | G | A/V & Navigation Head Module
(SPDIF - OUT (-)) |
| 5. ● | Audio (Rear RH Speaker -) | | |
| 6. L | Audio (Front RH Speaker -) | 14. - | - |
| 7. With A/V & Navigation | | 15. - | - |
| Br | A/V & Navigation Head Module
(NEVI Voice (+)) | 18. - | - |
| 8. With A/V & Navigation | | 17. G/B | BCM (Key Inter Lock Switch) |
| B | A/V & Navigation Head Module
(NEVI Voice - Shield GND) | 18. - | - |
| 9. - | - | 19. L | Instrument Cluster (B-CAN (High)) |
| 10. - | - | 20. W/O A/V & Navigation | |
| 11. W/O | Data Link Connector (Body K-Line) | W | Audio
(SPDIF - OUT (+)) |
| 12. B | Audio (SPDIF - Shield GND) | | With A/V & Navigation |
| | | W | A/V & Navigation Head Module
(SPDIF - OUT (+)) |
| | | 21. G | Audio (Rear RH Speaker +) |
| | | 22. R | Audio (Front RH Speaker +) |
| | | 23. With A/V & Navigation | |
| | | Y | A/V & Navigation Head Module
(NEVI Voice (-)) |
| | | 24. W/O FCM (B&D. Data Line) | |

- | | | | |
|----------|--|---------|--|
| 1. Br | Passenger Seat Warmer (B&D. - GND) | 13. G | AMP (SPDIF - OUT (-)) |
| 2. - | - | 14. - | - |
| 3. R | Smart Key Control Module
(B-CAN (Low)) | 15. - | - |
| 4. Br/ND | Smart Key Control Module
(B-CAN (Low)) | 16. - | - |
| 5. D | Rear Door Speaker RH (-) | 17. G/B | A/M Shift Lever
(F ¹ Position Switch) |
| 6. L | Passenger Door Speaker (-),
Passenger Door
Tweeter Speaker (-) | 18. - | - |
| 7. Br | AMP (NEVI Voice (+)) | 18. L | Smart Key Control Module
(B-CAN (High)) |
| 8. B | AMP (NEVI Voice - Shield GND) | 20. W | AMP (SPDIF - OUT (+)) |
| 9. - | - | 21. G | Rear Door Speaker RH (+) |
| 10. - | - | 22. R | Passenger Door Speaker (+),
Passenger Door
Tweeter Speaker (+) |
| 11. W/O | Smart Key Control Module
(Body K-Line) | 23. Y | AMP (NEVI Voice (-)) |
| 12. B | AMP (SPDIF - Shield GND) | 24. W/O | Smart Key Control Module |

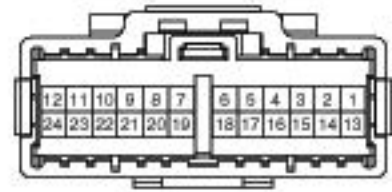
MF51 Main To Floor Harness Connection

- 24 Male / Yellow (KUM_HSC_24M_Y)



- | | | | |
|-------|--------------------------------|----------|---------------------------------|
| 1. - | - | 13. - | - |
| 2. - | - | 14. - | - |
| 3.L | Start Stop Button Switch (SW2) | 15. - | - |
| 4. - | - | 16. Br/B | IP Junction Box - MODULE 5 7.5A |
| 5. - | - | 17. - | - |
| 6. - | - | 18. - | - |
| 7. - | - | 19.O | RF Receiver (Data) |
| 8. R | Smart Key Antenna #1 | 20. - | - |
| 9. - | - | 21.L | Smart Key Antenna #1 (GND) |
| 10. - | - | 22. - | - |
| 11. - | - | 23. - | - |
| 12. - | - | 24. - | - |

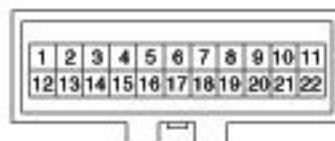
- 24 Female / Yellow (KUM_HSC_24F_Y)



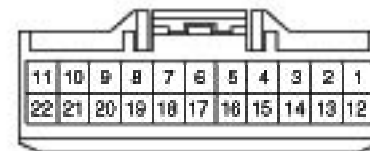
- | | | | |
|-------|--|---------|---|
| 1. - | - | 13. - | - |
| 2. - | - | 14. - | - |
| 3.L | Smart Key Control Module (SSB SW2) | 15. - | - |
| 4. - | - | 16.Br/B | SmartKey Control Module (ON/START Input) |
| 5. - | - | 17. - | - |
| 6. - | - | 18. - | - |
| 7. - | - | 19.O | SmartKey Control Module (RF_CON1) |
| 8. R | Smart Key Control Module (Interior_ANT1) | 20. - | - |
| 9. - | - | 21.L | SmartKey Control Module (Interior_ANT1_GND) |
| 10. - | - | 22. - | - |
| 11. - | - | 23. - | - |
| 12. - | - | 24. - | - |

MF01 Main To Roof Harness Connection

- 22 Male / White (AMP_0808L_22M_W)



- 22 Female / White (AMP_0908L_22F_W)



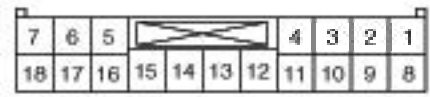
- | | | | |
|-----------------------|---|-----------------------|--|
| 1. Br | BCM (Room Lamp Control) | 12. - | - |
| 2. R/O | ILL (+) | 13. W/O | A/V & Navigation |
| 3. G | MP Junction Box - ROOM LP 10A | L | AUDIO |
| 4. Y/B | License Lamp
(Rear View Camera - GND.) | | (MIC-) |
| 5. Y | License Lamp
(Rear View Camera - B+) | With A/V & Navigation | |
| 6. L | MP Junction Box - Back-Up Lamp
Relay | B | A/V & Navigation Head Module
(MIC-) |
| 7. W/O | A/V & Navigation | 14. R | MP Junction Box - SUNROOF 15A |
| R | AUDIO | 15. R | License Lamp |
| | (MIC+) | | (Rear View Camera - CVBS) |
| With A/V & Navigation | | 16. R/B | License Lamp |
| R | A/V & Navigation Head Module
(MIC+) | | (Rear View Camera - VGND.) |
| 8. - | - | 17. B1 | Vehicle Speed Signal |
| 9. - | - | 18. B | Ground (GND2) |
| 10. - | - | 19. - | - |
| 11. - | - | 20. Gr/O | MP Junction Box - MODULE 2 10A |
| | | 21. - | - |
| | | 22. O | MP Junction Box - MODULE 4 10A |

- | | | | |
|--------|---|-----------------------|--|
| 1. Br | Map Lamp | 12. - | - |
| 2. - | Not Used | 13. W/O | A/V & Navigation |
| 3. G | B+ | L | AUDIO |
| | Electro Chromic Mirror, Map Lamp,
Driver/Passenger Vanity Lamp,
Room Lamp | With A/V & Navigation | |
| 4. W/O | A/V & Navigation | B | A/V & Navigation Head Module
(MIC-) |
| Y/B | Electro Chromic Mirror
(Video GND. -) | 14. R | Sunroof Motor (B+) |
| 5. W/O | A/V & Navigation | 15. W/O | A/V & Navigation |
| Y | Electro Chromic Mirror
(Video PWR. +) | R | Electro Chromic Mirror
(Video In) |
| 6. L | Electro Chromic Mirror
(Back-Up Signal) | 16. W/O | A/V & Navigation |
| | (MIC+) | R/B | Electro Chromic Mirror
(Video VGND.) |
| 7. R | MIC(+) | 17. Br | Sunroof Motor (Vehicle Speed) |
| 8. - | - | 18. B | Ground - Electro Chromic Mirror,
Sunroof Switch, Sunroof Motor,
Map Lamp, Room Lamp,
Driver/Passenger Vanity Lamp |
| 9. - | - | 19. - | - |
| 10. - | - | 20. Gr/O | Electro Chromic Mirror
(ON Input) |
| 11. - | - | 21. - | - |
| | | 22. O | Sunroof Motor (IG2) |

I/P Junction Box (1)

MP-A I/P Junction Box

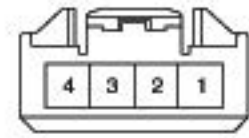
- 18 Female / White (AMP_0925_18F_W)



- | | | | |
|------|---|---------|--|
| 1. - | - | 8. - | - |
| 2. Y | WIPER FRT 25A -
Front Wiper Motor,
E/R Fuse & Relay Box
(WIPER FRT. L ● Relay) | 9. Gr | IPS 0 - Head Lamp RH (LO) |
| 3. - | - | 10. D | IPS 5 - Head Lamp LH (HI) |
| 4. - | - | 11. D/B | IPS 1 - Head Lamp RH (HI) |
| 5. - | - | 12. - | - |
| 6. R | IGN 1 20A (ON/START Output) -
E/R Fuse & Relay Box
(ECU 2 7.5A / ABS 7.5 / TCU 2 7.5) | 13. - | - |
| 7. R | Not Used | 14. G | E/R Fuse & Relay Box
(RR H/D Relay) |
| | | 15. R | E/R Fuse & Relay Box
(Blower Relay) |
| | | 16. - | - |
| | | 17. L | IPS 5 - Front Fog Lamp L/R/RH |
| | | 18. Gr | IPS 4 - Head Lamp LH (LO) |

MP-B I/P Junction Box

- 4 Female / White (AMP_250_04F_W_BPT)

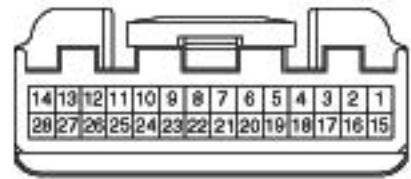


- | | | | |
|------|----------------------|------|----------------------|
| 1. R | Multi Fuse - B+2 60A | 3. R | MI.65 Fuse - B+3 60A |
| 2. - | - | 4. W | MI.65 Fuse - B+1 60A |

I/P Junction Box (2)

IP-C IP Junction Box

- 28 Female / White (AMP_025_28F_W)

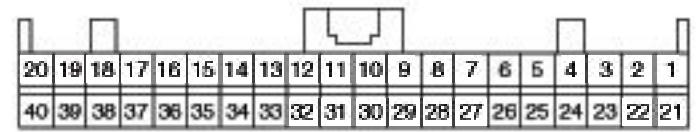


- 1. - -
- 2. - -
- 3. - -
- 4. W/ Smart Key
 - P With IBSMO - E/R Fuse & Relay Box (Start Relay)
 - With Smart Key
 - P W/T - E/R Fuse & Relay Bar (Start Relay)
 - A/T - E/R Fuse & Relay Bar (ATM P/N Relay)
- 5. - -
- 6. - -
- 7. G Charge IND., Diode - Alternator (L) Fuse/MODULE 4 10A - E/R Fuse & Relay Box (Starter Relay)
- 9. W/B MODULE 1 10A - Stop Lamp Switch
- 10. R/B MODULE 1 10A - 4WD ESM
- 11. - -
- 12. - -
- 13. W IPS Control Module (Fogger Alarm Horn Relay Control) - E/R Fuse & Relay Bar (B/A HORN Relay)
- 14. G IPS Control Module (Rear Defogger Relay Control) - E/R Fuse & Relay Box (RR HFD Relay)

- 15. W/ Smart Key
 - P W/O BMO - E/R Fuse & Relay Bar (Start Relay)
- 16. Y BCM (Turn & Hazard Lamp Output) - Head Lamp LH
- 17. - -
- 18. Y BCM (Turn & Hazard Lamp Output) - Head Lamp RH
- 19. W BCM (Turn & Hazard Lamp Output) - Head Lamp RH
- 20. B Ground (GND01)
- 21. R IPS Control Module - Hood Switch
- 22. W IPS Control Module - Back-Lip Lamp Switch
- 23. B/O IPS Control Module - Brake Fluid Level Sensor
- 24. - -
- 25. Y IPS 2 - Head Lamp RH
- 26. G IPS 7 - Head Lamp LH
- 27. B/R IPS Control Module - ESC Module (Parking Brake)
- 28. L IPS Control Module (Driver Relay Control) - E/R Fuse & Relay Box (Driver Relay)

IP-D IP Junction Box

- 40 Female / White (AMP_025_40F_W)

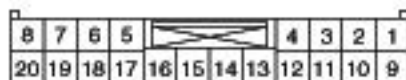


- 1. Y IFS 2 (F2) - Rear Combination Lamp (Out) RH, Rear Combination Lamp (In) RH
- 2. G IFS 7 (F2) - License Lamp, Rear Combination Lamp (Out) LH, Rear Combination Lamp (In) LH
- 3. G/O CLUSTER 1 A - Smart Key Control Module (A.T.L.)
- 4. - -
- 5. W BCM (Turn & Hazard Lamp Output) - Rear Combination Lamp (Out) LH, Driver Power Outside Mirror
- 6. - -
- 7. R SMART KEY 10A - Smart Key Control Module
- 8. Y ABSAG 10A - Passenger Occupant Detection Sensor
- 9. G AUDIO 2 1 A - AMP, Smart Key Control Module, Power Outside Mirror Switch
- 10. P BCM (Turn & Hazard Lamp Output) - Rear Combination Lamp (Out) RH, Passenger Power Outside Mirror
- 11. W/B TFMS 7.5A - ATM Shift Lever
- 12. G ROOM LP 10A - Luggage Lamp
- 13. - -
- 14. - -
- 15. - -
- 16. - -
- 17. O IPS Control Module - Driver Seat Belt Buckle Switch
- 18. - -
- 19. Y/B IPS Control Module - Rear Door Switch LH
- 20. G/O IPS Control Module - Parking Brake Switch

- 21. R IFS 3 (ILL) - P/W/O W Main Switch Passenger Power Window Switch, Rear Power Window Switch LH/RH
- 22. - -
- 23. W/B IFS Control Module - HBM Relay Box (Rear Wiper Relay Control)
- 24. G/O IFS Control Module - Driver Door Switch
- 25. P/B IFS Control Module - Passenger Door Switch
- 26. G/B IFS Control Module - Rear Door Switch RH
- 27. Y IFS Control Module - Rear Door RML Lock/Unlock Signal
- 28. P IFS Control Module - Driver Door Key Unlock Signal
- 29. B IFS Control Module - Passenger Door Key Lock Signal
- 30. G IFS Control Module - Passenger Door Key Unlock Signal
- 31. G IFS Control Module - Driver Door Lock/Unlock Signal
- 32. W IFS Control Module - Passenger Door Lock/Unlock Signal
- 33. Y IPS Control Module - Rear Door LH Lock/Unlock Signal
- 34. R IPS Control Module - Driver Door Key Lock Signal
- 35. Y/B IPS Control Module - Smart Key Control Module, Tail Gate Handle Switch
- 36. G/B IPS Control Module - Rear Unlock Switch
- 37. L/B IPS Control Module - Rear Lock Switch
- 38. - -
- 39. W IPS Control Module - Tail Gate Open Switch
- 40. - -

IP-E IP Junction Box

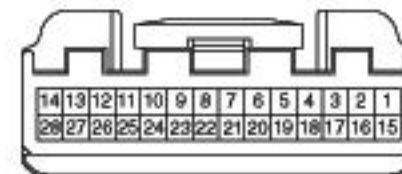
- 20 Female / White (AMP_025_20F_W)



1. R	Back-Up Lamp Relay - Rear Combination Lamp (IN) L/R/RH	11. L/B	HTD MIRR 7.5A - Driver/Passenger Power Outside Mirror (Driver)
2. -	-	12. L	WIPER RR 1.5A - Rear Wiper Motor
3. -	-	13. O	AMP 25A - AMP
4. -	-	14. G	E/R Fuse & Relay Box (RR HTD Relay) - Rear Oelagge (+)
5. B	Ground (GPN)	15. R	P/SEAT (DRV) 20A - Driver Seat Manual Switch
6. O	P/W/DW LH 25A - Power Window Main Switch	16. Y	SAFET / POWERWINDOW 20A - Safety Power Window Module
7. R	P/W/DW RH 25A - Rear Power Window Switch RH	17. -	-
8. L	Door Unlock Relay - Passenger/Rear LH/Rear RH Door Lock Actuator	18. O	P/W/DW LH 25A - Rear Power Window Switch LH
9. O	Door Lock Relay - Driver/Passenger Rear LH/Rear RH Door Lock Actuator	19. R	P/W/DW RH 25A - Power Window Main Switch, Passenger Power Window Switch
10. L	Tail Gate Relay - Tail Gate Latch	20. L	POWER OUTLET 2 25A - Rear Power Outlet

IP-F IP Junction Box

- 28 Female / White (AMP_025_28F_W)

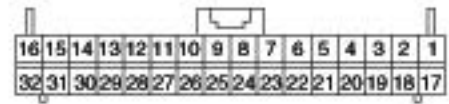


1. R/O	TPMS 7.5A - RWD ECU	13. -	-
2. R	TPMS 7.5A - Tire Pressure Monitoring Module	14. GND	MODULE 210A - Electronic Mirror
3. -	-	15. -	-
4. W	BCM - Turn/Hazard Lamp Output (RL)	16. P	BCM - Turn/Hazard Lamp Output (RR)
5. -	-	17. -	-
6. Gr	BCM - Turn/Hazard Lamp Output (FL)	18. -	-
7. Y/B	BCM - Turn/Hazard Lamp Output (FR)	19. -	-
8. Y/B	IPS Control Module - Two Turn Unlock Relay	20. -	-
9. W	IPS Control Module - Head Lamp Low Switch	21. -	-
10. -	-	22. -	-
11. -	-	23. -	-
12. O	MODULE 4.10A - A/C Control Module, Cluster Lock, Sunroof Motor	24. G	HTD MIRR 7.5A - Rear Oelagge Switch
		25. R/O	IPS 3 - Illuminations
		26. -	-
		27. W	MODULE 210A - PDM
		28. G	MODULE 210A - BCM

I/P Junction Box (4)

I/P-G I/P Junction Box

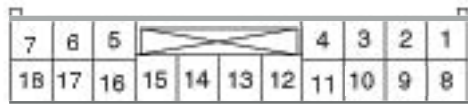
- 32 Female / White (AMP_025_32F_W)



- | | | | |
|----------|--|----------|--|
| 1. - | - | 17. - | - |
| 2. Gr/O | CLUSTER 10A - Instrument Cluster (IND), Console Switch | 18. - | - |
| 3. - | - | 19. Gr | CLUSTER 10A - Audio |
| 4. - | - | 20. - | - |
| 5. RB | SMART KEY 10A - Fob Holder | 21. W/B | SMART KEY 10A - Key Solenoid |
| 6. - | - | 22. R/W | SMART KEY 10A - PDM |
| 7. L | SMART KEY 10A - Start Stop Button Switch | 23. G | CLUSTER 10A - A/V & Navigation Head Module |
| 8. G | Charge IND., ALT (L) | 24. G | BCM, ALT (L) |
| 9. Gr/O | MODULE 1 10A - Tire Pressure Monitoring Module | 25. Gr | MODULE 1 10A - ESC Oil Switch, OBC Switch, ICM Relay Box (OBC Relay) |
| 10. R | MODULE 1 10A - EPS Control Module | 26. Br/O | MODULE 1 10A - Multifunction Switch (Turn Signal Lamp Switch) |
| 11. - | - | 27. L/O | AIRBAG IND 10A - Instrument Cluster (AirBAG IND.) |
| 12. - | - | 28. P | AIRBAG 7.5A - A/C Control Module |
| 13. Br/B | Back Up Lamp Relay - BCM, A/V & Navigation Head Module | 29. L | Back Up Lamp Relay - Electro Chromic Mirror |
| 14. - | - | 30. - | - |
| 15. L/O | AUDIO 2 10A - A/V & Navigation Head Module | 31. L/O | AUDIO 2 10A - Audio |
| 16. L/O | AUDIO 2 10A - BCM, PDM | 32. - | - |

I/P-H I/P Junction Box

- 18 Female / White (AMP_0825_18F_W)



- | | | | |
|-------|---|-------|--|
| 1. R | IPS Control Module - B-CAN (Low) | 9. B | Ground (GND) |
| 2. Br | HAZARD 15A - ICM Relay Box (Flasher Sound Relay), BCM | 10. - | - |
| 3. Br | Module 7.5 - BCM, PDM, Smart Key Control Module | 11. - | - |
| 4. R | PDM 15A - PDM | 12. - | - |
| 5. - | - | 13. R | BR Fuse & Relay Box (Blower Relay) - Blower Motor ON/START Input |
| 6. Br | DR LOCK 15A - ICM Relay Box (Two Turn Unlock Relay) | 14. L | AIRBAG 10A - SRS Control Module, Teltale Lamp |
| 7. - | - | 15. - | - |
| 8. L | IPS Control Module - B-CAN (High) | 16. - | - |

I/P-J I/P Junction Box

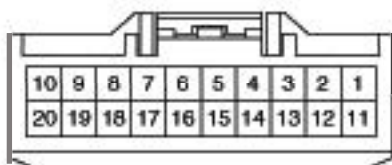
- 16 Female / White (AMP_0925_16F_W)



- | | |
|--|---|
| <p>1. G ROOM LP 10A -
Auto Light & Photo Sensor,
Data Link Connector, Map Lamp,
Room Lamp, Driver/Passenger
Vanity Lamp, Electro ON mirror Motor</p> <p>2. L POWER OUTLET 2 25A -
Cigarette Lighter & Front
Power Outlet</p> <p>3. R HEATER FRT 15A
- Console Switch</p> <p>4. -</p> <p>5. Y WIPER FRT 25A -
Multifunction Switch (Front Wiper)</p> <p>6. -</p> <p>7. G ROOM LP 10A -
Ignition Key ILL. & Door Warning
Switch, A/C Control Module,
RF Receiver, Instrument Cluster</p> | <p>8. R SUNROOF 15A - Sunroof Motor</p> <p>9. G POWER OUTLET 1 15A
- Cigarette Lighter &
Front Power Outlet</p> <p>10. -</p> <p>11. W ACCON Input
R START Input
W/O Small Key
G START Input</p> <p>13. L ON Input</p> <p>14. R W/O A/V Navigation
A/V Navigation Head Module
W/O A/V Navigation
Audio</p> <p>15. L WIPER RR 15A -
Multifunction Switch (Rear Wiper),
ICM Relay Bar (Rear Wiper Relay)</p> <p>16. B Ground (GND)</p> |
|--|---|

E/R-CHGA M x

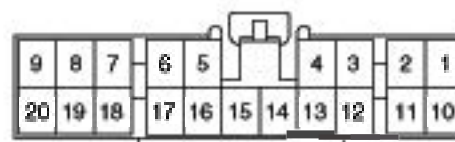
- 20 Female / White (AMP_08011L_20F_W)



- | | | | |
|-------|------------------|-------|--|
| 1. Y | A/C Compressor | 11. - | - |
| 2. Br | PCM (A/C Relay) | 12. L | Injector #1 |
| 3. O | Injector #4 | 13. P | Injector #3 |
| 4. - | - | 14. - | - |
| 5. W | Ignition Coil #4 | 15. L | Injector #2 |
| 6. - | - | 16. - | - |
| 7. L | Ignition Coil #2 | 17. - | - |
| 8. P | Ignition Coil #1 | 18. O | Condenser |
| 9. G | Ignition Coil #3 | 19. - | - |
| 10. - | - | 20. W | PCM
(Engine Control Relay 'ON' Input) |

E/R-CHGK EMS Box

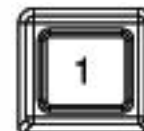
- 20 Female / White (KET_08011L_20F_W)



- | | | | |
|--------------|---|---------------|--|
| 1. L | Immobilizer Module | 11. - | - |
| 2. G | Carburetor Position Sensor #1/2,
Carburetor Purge Control Solenoid Valve | 12. W | Oil Control Valve #1/2 |
| 3. Gr/B | Variable Intake Manifold Valve,
Crankshaft Position Sensor | 13. - | - |
| 4. G | PCM (B+) | 14. Gr | E/R Fuse & Relay Box -
Engine Control Relay
(C/Fan LO Relay) |
| 5. W/O SULEV | Oxygen Sensor (Down) | 15. P | Oxygen Sensor (Up) |
| 6. - | - | 16. W/O SULEV | Oxygen Sensor (Down) |
| 7. - | - | 17. G | PCM
(Engine Control Relay 'ON' Input) |
| 8. - | - | 18. - | - |
| 9. P | Fuel Pump Meter | 19. - | - |
| 10. L | PCM (Engine Control Relay Control) | 20. P | PCM (Fuel Pump Relay) |

E/R-EMS EMS Box

- 1 Female / N/A (CRO1F070)

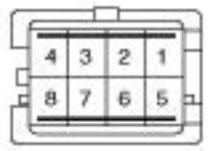


- | | |
|------|----------------------|
| 1. R | Multi Fuse - EMS 40A |
|------|----------------------|

Joint Connector (1)

JC01 Joint Connector

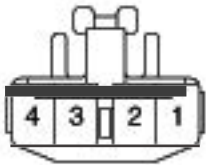
- 8 Female/Black (KET_070_08F_B_JCH)
- C-CAN Communication Line



- | | | | |
|------|------------------------------------|------|-------------------------------------|
| 1. ● | Low - Data Link Connector | 6. G | High - Data Link Connector |
| 2. ● | Low - PCM | 8. G | High - PCM |
| 3. ● | Low - Multipurpose Check Connector | 7. G | High - Multipurpose Check Connector |
| 4. - | - | 8. - | - |

JC02 Joint Connector

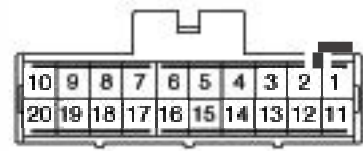
- 4 Female/White (KET_080L04F_W)
- Stop Lamp



- | | | | |
|------|---------------------------|-------|--------------------------|
| 1. G | ICM Relay Box - DBC Relay | 3. GB | Smart Key Control Module |
| 2. G | PCM | G | BSC Module |
| | | 4. G | Stop Lamp Switch |

JM01 Joint Connector

- 20 Female/Black (KET_080H L20F_B_JCH)
- B-CAN & C-CAN Communication Line

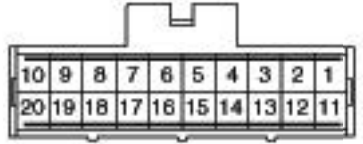


- | | | | |
|-------|---|--------|--|
| 1. O | C-CAN (Low) - A/C Control Module, Tire Pressure Monitoring Module | 11. G | C-CAN (High) - A/C Control Module, Tire Pressure Monitoring Module |
| 2. O | C-CAN (Low) - 4WD ECM, Data Link Connector | 12. G | C-CAN (High) - 4WD BCM, Data Link Connector |
| 2L. O | C-CAN (Low) - Instrument Cluster, EPS Control Module | 12L. G | C-CAN (High) - Instrument Cluster, EPS Control Module |
| 4. - | - | 14. - | - |
| 5. O | C-CAN (Low) - SRS Control Module | 15. G | C-CAN (High) - SRS Control Module |
| 6. O | C-CAN (Low) - PCM, BSC Module, PODS, Multipurpose Check Connector | 16. G | C-CAN (High) - PCM, ESC Module, PODS, Multipurpose Check Connector |
| 7. - | - | | |
| 8. R | B-CAN (Low) - Instrument Cluster | 17. - | - |
| 8. R | B-CAN (Low) - PDM, Smart Key Control Module | 1. L | B-CAN (High) - Instrument Cluster |
| | | 19. L | B-CAN (High) - PCM, Smart Key Control Module |
| 10. R | B-CAN (Low) - IPS Control Module, BCM | 20. L | B-CAN (High) - IPS Control Module, BCM |

Joint Connector (2)

JM02 Joint Connector

- 20 Female / Black (KET_0001L20F_B_CH)
- Pin No. 1 - 10: Rheostat ILL. (-) or Ground (GM01)
- Pin No. 11 - 20: VP Junction Box (IPB 3 Control)



- | | |
|---|---|
| <p>1. L/O ATM Shift Lever ILL.
With Rheostat
L/O ILL. (-)
W/O Rheostat
6 Ground (GM01)</p> <p>2. L/O Instrument Cluster,
With AV Navigation
AV Navigation Head Module
W/O AV Navigation
Audio</p> <p>3. L/O A/C Control Module</p> <p>4. L/O ESC Off Switch, Hazard Switch</p> <p>5. L/O Console Switch</p> <p>6. L/O Multifunction Switch (Remote Control)</p> <p>7. L/O DBC Switch</p> <p>8. L/O 4WD Lock Switch, Start Stop Button
Switch</p> <p>9. L/O Front Wiper Deicer Switch,
Rear Defogger Switch</p> <p>10. -</p> | <p>11. R/O VP Junction Box (IPB 3),
A/C Control Module</p> <p>12. R/O ATM Shift Lever ILL.,
With AV Navigation
AV Navigation Head Module
W/O AV Navigation
Audio</p> <p>13. R/O AUX & USB Jack, Glove Box Lamp</p> <p>14. R/O DBC Switch, ESC Off Switch</p> <p>15. R/O 4WD Lock Switch</p> <p>16. R/O Instrument Cluster</p> <p>17. R/O Multifunction Switch (Remote
Control), Cigarette Lighter & Front
Power Outlet</p> <p>18. R/O Hazard Switch, Rheostat</p> <p>19. R/O Console Switch</p> <p>20. R/O Front Wiper Deicer Switch,
Rear Defogger Switch</p> |
|---|---|