

M01 Blower Motor

- 2 Female / White (KET_250_02F_W)



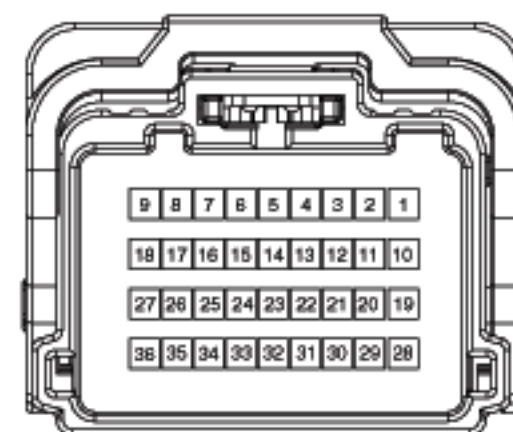
1. R E/R Fuse & Relay Box -
Blower Relay

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

	Abbr.	Name	
	R	Red	
	O	Orange	
	Y	Yellow	
	G	Green	
	L	Blue	
	Br	Brown	
	B	Black	
	Gr	Gray	
	W	White	

M02 SRS Control Module

- 36 Female / Green (JST_WIC_36F_G)



1. L	V/P Junction Box - A/BAG 10A	19. B	Ground (GM04)
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)
5. 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

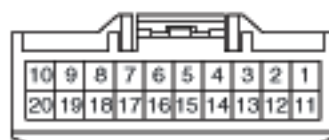
- 2 Female / White (AMP_070_02F_W)



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

M04-A ICM Relay Box

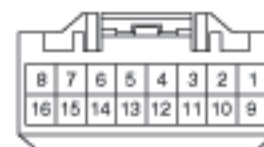
- 20 Female / White (AMP_090III_20F_W)



- | | | | |
|--------|-------------------------------------|---------|----------------------------------|
| 1. Br | Rear Wiper Relay (Rear Wiper Motor) | 11. L | Rear Wiper Relay |
| 2. W/B | Rear Wiper Relay | | (IP Junction Box - WIPER RR 15A) |
| | (IPS Control Module) | 12. W | Rear Wiper Relay |
| 3. G | DBC Relay (ESC Module, | | (Rear Wiper Motor) |
| | High-Mounted Stop Lamp, | 13. - | - |
| | Stop Lamp LH/RH) | 14. - | - |
| 4. - | - | 15. B | Two Turn Unlock Relay |
| 5. W/B | DBC Relay (ESC Module) | | (Ground (GM02)) |
| 6. Gr | DBC Relay | 16. Y/B | Two Turn Unlock Relay |
| | (IP Junction Box - MODULE 1 10A) | | (IPS Control Module) |
| 7. G | DBC Relay (Stop Lamp Switch) | 17. Br | Two Turn Unlock Relay |
| 8. L | DBC Relay | | (IP Junction Box - DR LOCK 15A) |
| | (E/R Fuse & Relay Box - | 18. G | Two Turn Unlock Relay |
| | STOP LP 10A) | | (Door Lock Actuator) |
| 9. - | - | 19. - | - |
| 10. - | - | 20. - | - |

M04-B ICM Relay Box

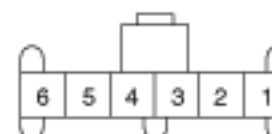
- 16 Female / White (AMP_090III_16F_W)



- | | | | |
|-------|--------------------------------|-------|---|
| 1. - | - | 9. - | - |
| 2. - | - | 10. - | - |
| 3. - | - | 11. - | - |
| 4. Br | Flasher Sound Relay | 12. - | - |
| | (IP Junction Box - HAZARD 15A) | 13. - | - |
| 5. Y | Flasher Sound Relay (BCM) | 14. - | - |
| 6. - | - | 15. - | - |
| 7. - | - | 16. - | - |
| 8. - | - | | |

M05 Incar Sensor (Auto A/C)

- 6 Female / White (KET_91A_06F_W)



- | | | | |
|-------|------------------------------------|------|-------------------------------|
| 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 (KUM_CDR_07F_W)



- | | | | |
|-----------------------------------|--------------------------|-------|---------------------------------|
| 1. - | - | 5. Br | A/C Control Module (Vref) |
| 2. - | - | 6. Gr | A/C Control Module (F/B) |
| 3. Auto A/C - Br / Manual A/C - B | | 7. Gr | A/C Control Module (Sensor GND) |
| | A/C Control Module (FRE) | | |
| 4. P | A/C Control Module (REC) | | |

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

- 6 Male / White (KET_090II_06M_W)



1. W	Antenna (-)	4. P	BCM - Switch Input
2. Br	Antenna (+)	5. G	BCM - Key Hole ILL.
3. B	Ground (GM01)	6. G	I/P Junction Box - ROOM LP 10A

M10 Data Link Connector

- 16 Female / Black (MLX_OBDII_16F_B_SIN)



1. -	-	9. G	I/P 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-Line
6. Br	Vehicle Speed Signal	14. -	-
7. -	-	15. -	-
8. -	-	16. -	-

M11 Mode Actuator

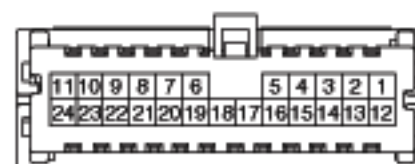
- 7 Female / White (KUM_CDR_07F_W)



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 (Vref)
4. R	A/C Control Module (VENT)		

M13-A BCM

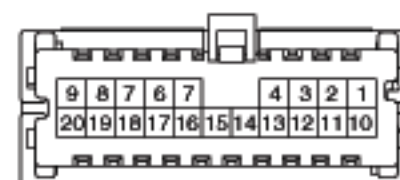
- 24 Female / White (KET_040III_24F_W)



1. R	I/P Junction Box - ROOM LP 10A	13. L/O	I/P Junction Box - AUDIO 2 10A
2. Br	I/P Junction Box - MODULE 5 7.5A	14. L	Rear Washer Switch
3. G	I/P Junction Box - MODULE 2 10A	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 Unlock)	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. G	Alternator	24. B	Ground (GM01)

M13-B BCM

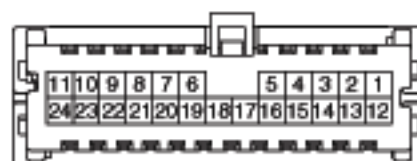
- 20 Female / White (KET_040III_20F_W)



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

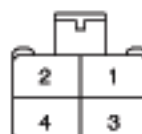
- 24 Female / Gray (KET_040III_24F_GR_B)



1. G	Safety 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	A/V Tail Signal
8. W	Turn/Hazard Lamp Output - RL	20. Y	Flasher Sound Relay
9. P	Turn/Hazard Lamp Output - RR	21. O/B	Front Wiper Relay
10. Br	I/P Junction Box - HAZARD 15A	22. -	-
11. Br	I/P Junction Box - HAZARD 15A	23. -	-
12. B	Ground (GM01)	24. -	-

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

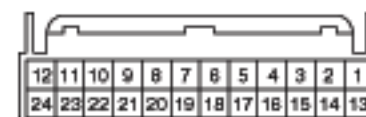
- 4 Female / Black (KET_250_04F_B)



1. P	Blower Motor	3. B	Ground (GM02)
2. R	Drain	4. W/B	Gate

M15-A Instrument Cluster

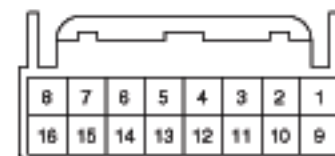
- 24 Female / White (KET_025_PCB_24F_W)



1. G	I/P Junction Box - ROOM LP 10A	13. L	Mode Switch
2. Gr/O	I/P 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 (A/T)
6. O	C-CAN Low	18. -	-
7. -	-	19. -	-
8. L	B-CAN High	20. -	-
9. R	B-CAN Low	21. L/O	ILL. (-)
10. -	-	22. B	Fuel Sender (-)
11. Br	Vehicle Speed Input (M/T)	23. B	Ground (GM01)
12. -	-	24. B	Ground (GM01)

M15-B Instrument Cluster

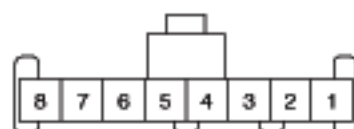
- 16 Female / White (AMP_025_16F_W)



1. -	-	9. G	Charge IND.
2. -	-	10. Gr	SRS (Air Bag IND.)
3. L/O	I/P Junction Box - A/BAG IND 10A	11. -	-
4. -	-	12. -	-
5. -	-	13. -	-
6. Br/O	W/O Smart Key - IMMO. 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_08F_W)



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

M17-A EPS Control Module

- 2 Female / Black (AMP_375_02F_B)



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

- 8 Female / Black (PKD_MK064_08F_2)



1. R	I/P 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_DSD_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 30A
3. G	START Output	6. W	ACC or ON Output

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

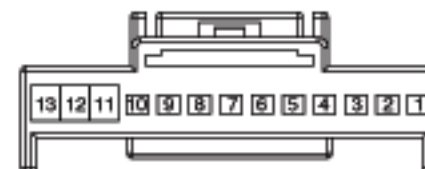
- 2 Female / White (KET_090III_02F_W_L)



1. W/B	I/P Junction Box - SMART KEY 10A	2. G/B	BCM
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M20-L Multifunction Switch (Light)

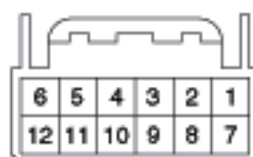
- 13 Female / White (KET_0409_13F_W)



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	I/P 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)

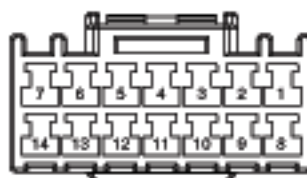
- 12 Female / White (AMP_025_12F_W)



1. -	-	7. -	-
2. L/O	ILL. (-)	8. -	-
3. R/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)

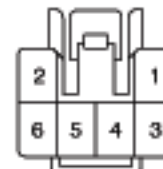
- 14 Female / White (KET_N090III_14F_W)



1. P	BCM - Front Wiper Switch (Mist)	8. WB	BCM - Front Wiper Switch (INT.)
2. Gr	E/R Fuse & Relay Box - WIPER FRT, LO Relay	9. P	Front Wiper Motor HI
3. G	Front Wiper Motor LO	10. Y	I/P Junction Box - WIPER FRT 25A
4. B	Ground (GM01)	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 15A
6. G/B	BCM - Rear Wiper Switch (ON)	13. L	BCM - Rear Washer Switch
7. O	BCM - Rear Wiper Switch (INT.)	14. -	-

M21 Cluster Ionizer (Auto A/C)

- 6 Female / White (KET_090_06F_W)



1. B	Ground (GM02)	4. P	Clean Signal
2. O	I/P Junction Box - MODULE 4 10A	5. G	Ion Diagnosis
3. O	Ion Signal	6. -	-

M22 Driver Air Bag

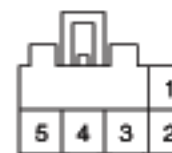
- 4 Female / Yellow (YAZ_040_04F_Y)



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)

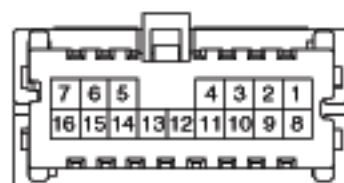
- 5 Female / White (KUM_CDR_05F_W)



1. Br	Antenna (+)	4. L	EMS Box - SENSOR 1 10A
2. W	Antenna (-)	5. L	PCM Data Line
3. B	Ground (GHG05)		

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

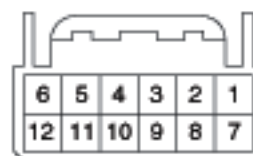
- 16 Female / White (KET_040III_16F_W)



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

M26 ESC Off Switch

- 6 Female / Black (KET_090II_06F_B)



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

M27 DBC Switch

- 6 Female / Gray (KET_090III_06F_Gr)



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

M28 4WD Lock Switch

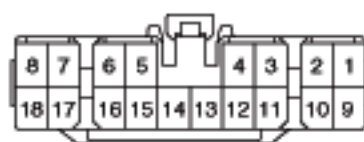
- 6 Female / Brown (KET_090III_06F_BR)



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

M30 Console Switch

- 18 Female / White (KET_090II_18F_W)



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

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

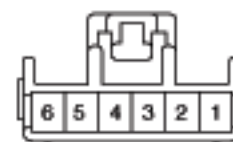
- 6 Female / White (KET_090III_06F_W)



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

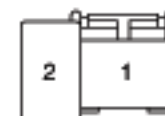
- 6 Female / White (KET_090II_06F_W_SW)



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_PLM2_02F_B)



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

- 2 Female / White (KET_187_02F_W)



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

- 2 Female / Black (AMP_040M1_02F_B)



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

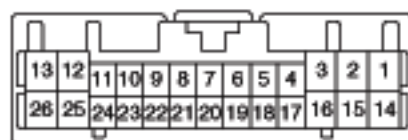
- 6 Female / White (KET_090III_06F_W)



1. L	I/P Junction Box - POWER OUTLET 2 25A	3. B	Ground (GM02)
2. G	I/P Junction Box - POWER OUTLET 1 15A	4. -	-
		5. R/O	ILL. (+)
		6. B	Ground (GM02)

M41-A A/C Control Module (Auto)

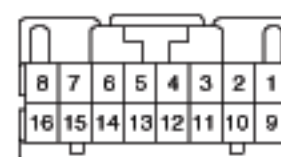
- 26 Female / White (KET_0407_26F_W)



1. G	I/P Junction Box - ROOM LP 10A	14. Br	Vref (+5V)
2. R/O	ILL. (+)	15. O	Cluster Ionizer Signal
3. O	I/P Junction Box - MODULE 4 10A	16. Br	Intake Actuator (FRE)
4. Y	Driver Temp. Actuator (Cool)	17. P	Intake Actuator (REC)
5. O	Driver Temp. Actuator (Warm)	18. P	Cluster Ionizer Clean Signal
6. -	-	19. P	I/P Junction Box - A/CON 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. W/B	FET (Gate)
10. -	-	23. R	FET (Drain)
11. -	-	24. -	-
12. L/O	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 Ionizer Diagnosis	15. B	SUN (-) - Passenger
8. Gr	ECV In	16. L	ECV Out

M43-A A/C Control Module (Manual)

- 6 Female / White (KET_250DL_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)

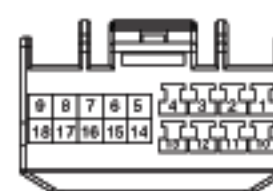
- 32 Female / White (KET_02509_32F_W)



1. R/O	ILL. (+)	17. O	I/P Junction Box - MODULE 4 10A
2. G	I/P Junction Box - ROOM LP 10A	18. -	-
3. R	Mode Actuator (VENT)	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 (FRE)	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. -	-
15. L	Blower F/B	31. Gr	Sensor Ground
16. L/O	ILL. (-)	32. B	Ground (GM01)

M45-A AUDIO

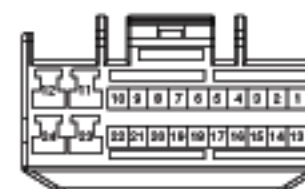
- 18 Female / White (KET_09025_18F_W)



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	SPDIF - Shield Ground	14. -	-
6. G	SPDIF - OUT (-)	15. W	SPDIF - OUT (+)
7. Gr	I/P Junction Box - CLUSTER 10A	16. -	-
8. R/O	ILL. (+)	17. L/O	ILL. (-)
9. -	-	18. G	Roof Antenna

M45-B AUDIO

- 24 Female / White (KET_09025_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/iPOD - VDO	19. B	USB/iPOD - 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. L/O	I/P Junction Box - AUDIO 2 10A	23. -	-
12. R	I/P Junction Box - AUDIO 1 10A	24. B	Ground (GM03)

M46 Passenger Air Bag #1

- 2 Female / Yellow (FCL_AKIL_02F_Y_II)



- | | | | |
|------|--|-------|---------------------------------------|
| 1. L | SRS Control Module
(1st Stage High) | 2. Br | SRS Control Module
(1st Stage Low) |
|------|--|-------|---------------------------------------|

M47 Passenger Air Bag #2

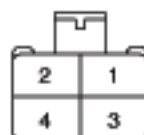
- 2 Female / Yellow (FCL_AKIL_02F_Y_III)



- | | | | |
|------|--|------|---------------------------------------|
| 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 (KET_250_04F_B)



- | | | | |
|------|------------------------|------|---------------------|
| 1. P | Blower Switch (M/Low) | 3. R | Blower Switch (Low) |
| 2. G | Blower Switch (M/High) | 4. L | Blower Motor |

M50-A A/V Navigation Head Module

- 8 Female / Gray (AMP_AUDIO_08F_Gr_D2)



- | | | | |
|--------|--------------------------------|---------|--------------------------------|
| 1. Br | Speed Signal | 5. Br/B | Back-Up Signal |
| 2. R/O | ILL. (+) | 6. L/O | I/P Junction Box - AUDIO 2 10A |
| 3. G | Roof Antenna | 7. L/O | ILL. (-) |
| 4. R | I/P Junction Box - AUDIO 1 10A | 8. B | Ground (GM03) |

M50-C A/V Navigation Head Module

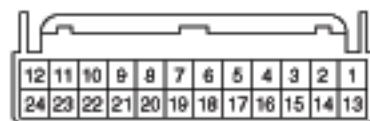
- 20 Female / Black (AMP_MTIH_20F_B)



- | | | | |
|-------|-----------------------|--------|-----------------------------|
| 1. R | MIC (+) | 11. O | AUX DET |
| 2. B | MIC (-) | 12. - | - |
| 3. Br | AUX R_IN | 13. - | - |
| 4. Y | AUX L_IN | 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	SPDIF - OUT (+)	13. Y	Rear View Camera (B+)
2. G	SPDIF - OUT (-)	14. Y/B	Rear View Camera (GND)
3. B	SPDIF - 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)

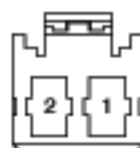
- 10 Female / White (AMP_0925_10F_W)



1. P	PDM - ACC Relay Control	6. W	ACC Output
2. -	-	7. P	E/R Fuse & Relay Box - IGN 1 30A
3. B	Ground (GM01)	8. P	IGN1 Output
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_250JPT_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)

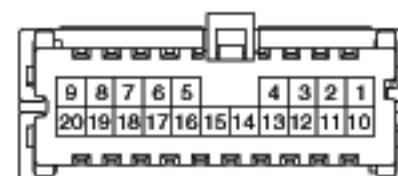
- 10 Female / White (KET_090III_10F_W)



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)

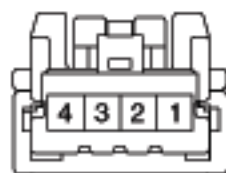
- 20 Female / White (KET_040III_20F_W)



1. W	VP Junction Box - MODULE 2 10A	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 2 10A	14. P	ESC (Wheel Speed Sensor Input)
5. -	-	15. R/B	Reverse (Start_EMS)
6. W	SSB SW1	16. W/B	F_RPM
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 5 7.5A	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)

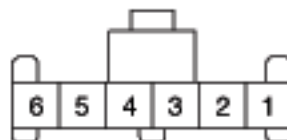
- 4 Female / White (KET_040III_04F_W)



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

M55 Rheostat

- 6 Female / White (KET_91A_06F_W)



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

M57 Rear Defogger Switch

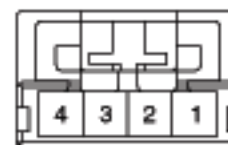
- 6 Female / White (KET_090III_06F_W)



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

M60 Smart Key Antenna #1

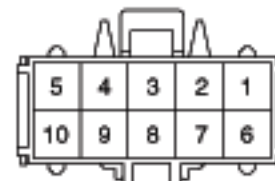
- 4 Female / Black (AMP_MQS_04F_B_040)



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_FIT_10F_B)



1. W	SSB SW1	6. L	I/P Junction Box - SMART KEY 10A
2. L	I/P Junction Box - SMART KEY 10A	7. L	SSB SW2
3. Y	SSB IND. Amber	8. G	SSB IND. Green
4. B/O	SSB ILL. Ground	9. L/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

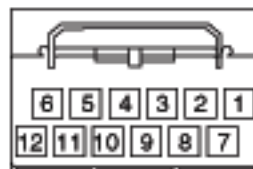
- 7 Female / Black (KUM_CDR_07F_B)



1. —	—	5. Gr	A/C Control Module (Sensor GND)
2. —	—	6. W	A/C Control Module (F/B)
3. O	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 / Gray (JAE_TPMS_12F_Gr)



1. R	I/P Junction Box - TPMS 7.5A	7. Gr/O	I/P Junction Box - MODULE 1 10A
2. G	C-CAN High	8. O	C-CAN Low
3. B	Ground (GM02)	9. —	—
4. —	—	10. —	—
5. —	—	11. —	—
6. —	—	12. —	—

M69 Telltale Lamp

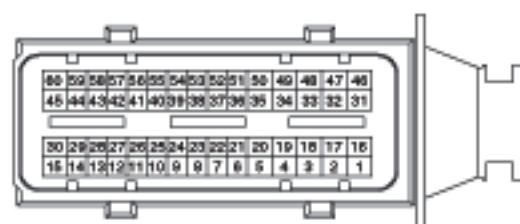
- 3 Female / Black (AMP_MQS_03F_B_1)



1. L	I/P Junction Box - A/BAG 10A	3. L	SRS Control Module
2. B	Ground (GM04)		

CHG-A PCM

- 60 Female / Black (AMP_ECU_60F_B_R)



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 - E/R Fuse & Relay	44. L/B	Brake Test Switch
4. G/B	A/T - EC_VFS		Box (ATM P/N Relay)	45. L	VCM (DC Motor +1)
5. W	A/T - 35R_VFS		W/O Smart Key - E/R Fuse & Relay	46. R	With Smart Key - IGN. Coil #3 Control
6. B/O	A/T - Input Speed Supply		Box (Start Relay)		W/O Smart Key - IGN. Coil #2 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. O	A/T - Solenoid Power 2
9. L	A/T - Output Speed Signal	27. Br	A/T - Position Switch Code (S4)	49. G	A/T - EMS Box - TCU 1 15A
10. —	—	28. A/T - P		50. Y	A/T - EMS Box - TCU 1 15A
11. —	—		MT - R/B	51. —	—
12. —	—		Start Overrun (PDM)	52. —	—
13. L	Wiper 'P' Input	29. G	Brake Light Switch	53. Br	A/T - Oil Temp. Sensor (-)
14. W	Electrical Load Signal From Alternator	30. L	Cruise Control Switch Signal	54. R	A/T - Oil Temp. Sensor (+)
15. B	Cruise Control Switch Ground	31. B	With Smart Key - IGN. Coil #1 Control	55. G	A/T - CCP-CAN High
16. W	With Smart Key - IGN. Coil #2 Control		W/O Smart Key - IGN. Coil #4 Control	56. O	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 - 26_VFS	34. B	A/T - Ground (GHG05)	59. —	—
19. G	A/T - Shift Lock Solenoid	35. B	A/T - Ground (GHG05)	60. G	VCM (DC 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

- 94 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 2 7.5A	27. G	Injector #4 Control	52. G	FTPS (Signal)	77. G	C-CAN High
3. B	Ground (GHG06)	28. Gr	Injector #2 Control	53. G	IAT Sensor	78. O	C-CAN Low
4. W	EMS Box - Engine Control Relay	29. -	-	54. Gr	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. L/O	MAF/MAP Sensor Signal	56. -	-	81. -	-
7. -	-	32. L	TPS. 2 Signal	57. G	APT Ground	82. O	APS. 1 Signal
8. -	-	33. W/B	ECTS Signal	58. -	-	83. R	CMPS #1 Ground
9. O	Fuel Tank Level Sender	34. Br	Knock Sensor Ground	59. W/B	TPS Ground	84.	-
10. -	-	35. L/O	APS. 2 Signal	60. Gr	APS. 1 Supply	W/O SULEV	-
11. -	-	36. L	APS. 2 Supply	61. Y	APS. 1 Ground	W	O2 Sensor (Down) Signal
12. Y	Knock Sensor Signal	37. W/B	CMPS #2 Ground	62. W	CMPS #1 Signal	With SULEV	-
13. Br	APS. 2 Ground	38. -	-	63. Y	TPS Supply	W/B	O2 Sensor (Down) Signal
14. L	ECTS Ground	39. Gr	CKPS 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. O	E/R Fuse & Relay Box -	86. W/B	Engine Speed Signal
16. -	-	41. -	-		C/Fan LO Relay	87. Br	EMS Box - A/CON Relay
17. P	CKPS Signal	42. P	O2 Sensor (Up) (V_RC)	66. G	CVVT Actuator Control Signal 1	88. Gr	E/R Fuse & Relay Box -
18. W	O2 Sensor (Up) (V_IP)	43. W/B	Sensor Supply	67. G	PCSV Control		C/Fan HI Relay
19. G	O2 Sensor (Up) (V_N)	44. Y	VCM (F/B Sensor GND)	68. Y/B	CVVT Actuator Control Signal 2	89. -	-
20. O	O2 Sensor (Up) (V_G)	45. -	-	69. Br/O	IMMO. IND.	90. -	-
21. -	-	46. L	Alternator (COM)	70. P	EMS Box - F/Pump Relay	91. Gr	CCV Control
22. P	VCM (F/B Sensor Potentio-Meter)	47. -	-	71. W	ETC DC Motor 1	92. Y/B	Engine Check IND.
23. -	-	48. -	-	72. R	ETC DC Motor 2	93. G	O2 Sensor (Up) Heater
24. B	E/R Fuse & Relay Box - Start Relay	49. -	-	73. Br	FTPS (GND)	94. Y	O2 Sensor (Down) Heater
25. Br	Injector #1 Control	50. W	Variable Intake System	74. B	TMAP/TMAF Sensor Ground		
				75. L	IMMO. Data Line		

CHG01 Transaxle Range Switch

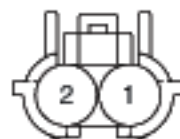
- 10 Female / Black (KET_0508WP_10F_B)



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. L/B	A/C Control Module (Sensor (+))	2. Gr	A/C Control Module (Sensor Ground)
--------	---------------------------------	-------	------------------------------------

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 (FCL_MULWP_18F_B_1)



1. —	—	10. Gr	PCM (Solenoid Power 1)
2. G/B	PCM (EC_VFS)	11. P	PCM (26_VFS)
3. G/O	PCM (Output Speed Supply)	12. G	PCM (SS-B)
4. L	PCM (Output Speed Signal)	13. R	PCM (Oil Temp. Sensor (+))
5. O	PCM (Solenoid Power 2)	14. B/O	PCM (Input Speed Supply)
6. W	PCM (36R_VFS)	15. —	—
7. Y	PCM (OD_VFS)	16. Br	PCM (UD_VFS)
8. W	PCM (Input Speed Signal)	17. L	PCM (LP_VFS)
9. Br	PCM (Oil Temp. Sensor (-))	18. P	PCM (SS-A)

CHG05-1 Oil Control Valve #1

- 2 Female / Black (KET_090WP_02F_B_L)



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

CHG05-2 Oil Control Valve #2

- 2 Female / Black (KET_090WP_02F_B_L)



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

CHG06 Alternator

- 3 Female / Gray (KET_0901IWP_03F_Gr_3)



- | | | | |
|------|--------------------|------|----------|
| 1. L | PCM (COM) | 3. W | PCM (FR) |
| 2. G | Charge IND., Diode | | |

CHG07 Front Wiper Motor

- 6 Female / Black (KUM_NMWP_06F_B)



- | | | | |
|------|---------------------------------|------|--|
| 1. G | Front Wiper Switch (LO) | 4. B | Ground (GHG01) |
| 2. P | Front Wiper Switch (HI) | 5. L | E/R Fuse & Relay Box - WIPER FRT, LO Relay |
| 3. Y | VP Junction Box - WIPER FRT 25A | 6. - | - |

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

- 2 Female / White (KET_0901IIL_02F_W_L)



- | | | | |
|------|----------------|------|------------------------------------|
| 1. B | Ground (GHG01) | 2. W | E/R Fuse & Relay Box - Start Relay |
|------|----------------|------|------------------------------------|

CHG11 Engine Coolant Temperature Sensor

- 4 Female / Black (AMP_EJWP_04F_B)



- | | | | |
|------|----------------|-------|---------------------|
| 1. B | Ground (GHG01) | 3. L | PCM (Sensor Ground) |
| 2. - | - | 4. WB | PCM (Sensor Signal) |

CHG13-1 Camshaft Position Sensor #1

- 3 Female / Gray (SUM_0901IWP_03F_Gr_R)



- | | | | |
|------|------------------------|------|---------------------|
| 1. G | EMS Box - SENSOR 1 10A | 3. W | PCM (Sensor Signal) |
| 2. R | PCM (Sensor Ground) | | |

CHG13-2 Camshaft Position Sensor #2

- 3 Female / Gray (SUM_0901IWP_03F_Gr_R)



- | | | | |
|-------|------------------------|------|---------------------|
| 1. G | EMS Box - SENSOR 1 10A | 3. Y | PCM (Sensor Signal) |
| 2. WB | PCM (Sensor Ground) | | |

CHG14 Crankshaft Position Sensor

- 3 Female / Black (AMP_JPT_03F_B_S2)



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

CHG15 Oil Pressure Switch

- 1 Female / Black (KUM_NMWP_01F_B)



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

CHG16 Oxygen Sensor (Up)

- 6 Female / Black (AMP_MTIWP_06F_B)



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

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 |

CHG18-1 Ignition Coil #1

- 2 Female / Black (KET_090WP_02F_B_L3)

**With IMMO. / Smart Key**

- | | |
|------|---------------------|
| 1. B | PCM |
| 2. P | EMS Box - ECU 1 20A |

W/O IMMO. / Smart Key

- | | |
|------|---------------------|
| 1. G | PCM |
| 2. P | EMS Box - ECU 1 20A |

CHG18-2 Ignition Coil #2

- 2 Female / Black (KET_090WP_02F_B_L3)

**With IMMO. / Smart Key**

- | | |
|------|---------------------|
| 1. W | PCM |
| 2. L | EMS Box - ECU 1 20A |

W/O IMMO. / Smart Key

- | | |
|------|---------------------|
| 1. R | PCM |
| 2. L | EMS Box - ECU 1 20A |

CHG18-3 Ignition Coil #3

- 2 Female / Black (KET_090WP_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_090WP_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 (GHG01)

2. O EMS Box - ECU 1 20A

CHG21 Canister Purge Control Solenoid Valve

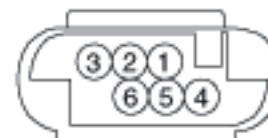
- 2 Female / Black (PKD_150WP_02F_B_1)



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

CHG22 ETC Motor & Throttle Position Sensor

- 6 Female / Black (AMP_MQSWP_06F_B_1)



- | | | | |
|--------|----------------------|------|----------------------|
| 1. W/B | PCM (TPS Ground) | 4. P | PCM (TPS 1 Signal) |
| 2. Y | PCM (TPS Supply) | 5. L | PCM (TPS 2 Signal) |
| 3. W | PCM (ETC DC Motor 1) | 6. R | PCM (ETC DC Motor 2) |

CHG23 Knock Sensor

- 2 Female / Black (PKD_150WP_02F_B_1)



1. Br PCM (Sensor Ground) 2. Y PCM (Sensor Signal)

CHG24-1 Injector #1

- 2 Female / Black (KUM_NDWP_02F_B)



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

CHG24-2 Injector #2

- 2 Female / Black (KUM_NDWP_02F_B)



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

CHG24-3 Injector #3

- 2 Female / Black (KUM_NDWP_02F_B)



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

CHG24-4 Injector #4

- 2 Female / Black (KUM_NDWP_02F_B)



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

CHG25 MAP Sensor

- 4 Female / Black (AMP_JPT_04F_B_BOSH)



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

- 6 Female / Black (KET_HEADLAMP_06F_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_NDWP_03F_Gr)



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

CHG29 A/C Pressure Transducer

- 3 Female / Black (KET_040WP_03F_B)



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

CHG34 Front Wheel Sensor RH

- 2 Male / Black (KET_090IWP_02M_B)



- | | | | |
|-------|------------------|------|------------------|
| 1. Br | ESC Module (SIG) | 2. W | ESC Module (VCC) |
|-------|------------------|------|------------------|

CHG35 Front Wiper Deicer

- 2 Female / Black (KUM_NMWP_02F_B)



- | | | | |
|------|-------------------------------------|------|----------------|
| 1. G | E/R Fuse & Relay Box - Deicer Relay | 2. B | Ground (GHG02) |
|------|-------------------------------------|------|----------------|

CHG36 Clutch Switch (M/T)

- 2 Female / White (KET_250DL_02F_W)



- | | | | |
|------|----------------|------|-----------------------|
| 1. B | Ground (GHG01) | 2. W | PCM |
| | | WB | With ESC - ESC Module |

CHG37 Back-Up Lamp Switch (M/T)

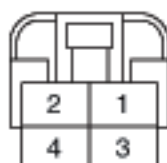
- 2 Female / Black (AMP_EJWP_02F_B)



- | | | | |
|------|----------------|------|--------------------|
| 1. B | Ground (GHG02) | 2. W | IPS Control Module |
|------|----------------|------|--------------------|

CHG39 Stop Lamp Switch

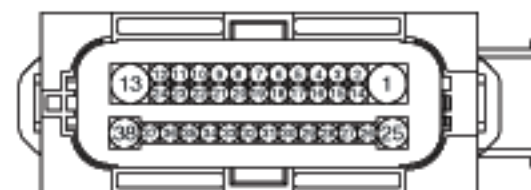
- 4 Female / White (KET_250DL_04F_W)



- | | | | |
|------|--|--------|---------------------------------|
| 1. G | PCM, ESC Module, DBC Relay,
Stop Lamp LH/RH,
High-Mounted Stop Lamp,
Smart Key Control Module | 3. WB | I/P 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. Br | Front Wheel Sensor RH (SIG) |
| 3. - | - | 22. Br/B | IPS 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. - | - | 26. G | C-CAN High |
| 8. WB | DBC Relay Control | 27. - | - |
| 9. L | Brake Switch | 28. P | PCM (Wheel Speed Sensor
Output FR) |
| 10. O/B | ESC Off Switch 'ON' | 29. 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 (GHG06) | 32. L | Rear Wheel Sensor LH (SIG) |
| 14. O | C-CAN Low | 33. B | Rear Wheel Sensor RH (VCC) |
| 15. - | - | 34. W | Front Wheel Sensor RH (VCC) |
| 16. - | - | 35. W/B | M/T - Clutch Switch |
| 17. P | PDM (Wheel Speed Sensor
Output RR) | 36. 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 (GHG06) |

CHG42 Cooling Fan Motor

- 3 Female / Black (AMP_SPTWP_03F_B)



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

CHG43 Front Fog Lamp LH

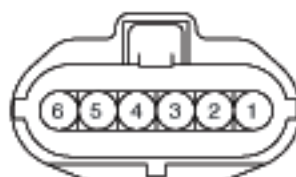
- 2 Female / Black (KET_110WP_02F_B)



- | | | | |
|------|--------------------------|------|----------------|
| 1. L | I/P Junction Box - IPS 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. L/O | PCM (APS 2 Signal) | 6. Br | PCM (APS 2 Ground) |

CHG45 Brake Fluid Level Sensor

- 2 Female / Black (AMP_JPT_02F_B_CLIP)



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

CHG46 Burglar Alarm Horn

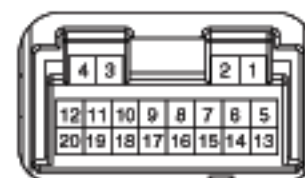
- 2 Female / Black (MLX_HORN_02F_B_FILT)



- | | | | |
|------|--|------|----------------|
| 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. O | CCP-CAN Low |
| 5. B | Ground (GHG01) | 15. Gr | E/R Fuse & Relay Box - ABS 7.5A |
| 6. G | CCP-CAN High | 16. - | - |
| 7. - | - | 17. O | C-CAN Low |
| 8. - | - | 18. - | - |
| 9. G | C-CAN High | 19. W | Body K-Line |
| 10. - | - | 20. - | - |

CHG49 Hood Switch

- 2 Female / Black (KET_090IWP_02F_B_ASM)



1. B	Ground (GHG04)	2. R	IPS Control Module
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CHG50 Horn

- 2 Female / Gray (KUM_NDWP_02F_Gr)



1. G	E/R Fuse & Relay Box - Horn Relay	2. B	Ground (GHG02)
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CHG51 External Buzzer

- 2 Female / Black (KET_090IWP_02F_B_ASM)



1. B	Ground (GHG02)	2. P	Smart Key Control Module
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CHG53 Front Fog Lamp RH

- 2 Female / Black (KET_110WP_02F_B)



1. L	I/P Junction Box - IPS 6	2. B	Ground (GHG04)
------	--------------------------	------	----------------

CHG54 Front Wheel Sensor LH

- 2 Male / Black (KET_090IWP_02M_B)



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

CHG56 Rear Washer Motor

- 2 Female / Black (KET_090WP_02F_B_SIDE)



1. B	Ground (GHG04)	2. L	Rear Washer Switch
------	----------------	------	--------------------

CHG57 Oxygen Sensor (Down)(With SULEV)

- 4 Female / Black (KET_090IWP_04F_B)



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

CHG63 ATM Shift Lever

- 10 Female / White (KET_090III_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	I/P Junction Box - TPMS 7.5A	9. B	Ground (GHG03)
5. Gr	Up Shift	10. G	PCM (Shift Lock Solenoid)

CHG67 Front Washer Motor

- 3 Female / Gray (KET_090IWP_03F_Gr)



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

CHG70 Variable Intake Manifold Valve

- 2 Female / Black (AMP_EJWP_02F_B)



1. Gr/B	EMS Box - SENSOR 1 10A	2. W	PCM
---------	------------------------	------	-----

CHG72 Vehicle Speed Sensor (M/T)

- 3 Female / Black (KUM_NMWP_03F_B)



1. Gr	E/R Fuse & Relay Box - TCU 2 7.5A	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 Potenti-Meter)	5. L	PCM (DC Motor Output +1)
3. W/B	PCM (Sensor Supply)		

CHG90 WIPER FRT, LO Relay

- 5 Female / N/A (CR05F011)



1. Gr	Front Wiper Switch	4. L	Front Wiper Motor
2. Y	I/P Junction Box - WIPER FRT 25A	5. Y	I/P Junction Box - WIPER FRT 25A
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)

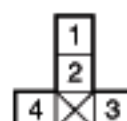
- 5 Female / N/A (CR05F011)



- | | | | |
|------|---|--------|-----------------------------------|
| 1. P | I/P Junction Box - START 10A, PCM (Start Overrun) | 3. W/O | E/R Fuse & Relay Box - ECU 2 7.5A |
| 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 (GHG02) |
| 2. R | Blower Motor, Auto A/C - I/P Junction Box - A/CON 7.5 | 4. Y/O | I/P 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. O | PCM (Relay LO Control) |
| 2. W | Cooling Fan Motor | 4. Gr | EMS Box - SENSOR 4 15A |

CHG98 Start Relay

- 4 Female / N/A (CR04F086)

**W/O Smart Key**

1. R E/R Fuse & Relay Box - IGN 2 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 I/P Junction Box - START 10A
With B/Alarm
P I/P 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 I/P Junction Box - START 10A
A/T
P E/R Fuse & Relay Box -
ATM P/N Relay
R/B PDM (Start F/B Signal),
PCM (M/T - Start Overrun)

CHG99 B/A Horn Relay

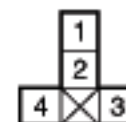
- 4 Female / N/A (CR04F086)



- | | |
|--------------------------------------|--|
| 1. P Burglar Alarm Horn | 3. W I/P Junction Box - IPS Control Module |
| 2. P E/R Fuse & Relay Box - HORN 15A | 4. P E/R Fuse & Relay Box - HORN 15A |

CHG100 RR HTD Relay

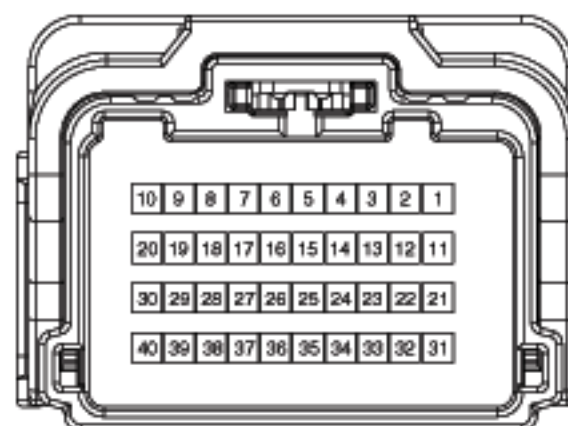
- 4 Female / N/A (CR04F086)



- | | |
|---|---|
| 1. R E/R Fuse & Relay Box -
RR HTD 40A | 3. G/O IPS Control Module |
| 2. G I/P Junction Box
(Rear Defogger Output) | 4. L E/R Fuse & Relay Box
- DEICER 15A |

F01 SRS Control Module

- 40 Female / Green (JST_WIC_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. L/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. L/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. -	-	39. 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. R/B	VP Junction Box - SMART KEY 10A
3. B	Ground (GF08)	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	VP Junction Box - AMP 25A	14. B	Ground (GF08)
2. P	VP Junction Box - AMP 25A	15. B	Ground (GF08)
3. R	VP Junction Box - AMP 25A	16. B	Ground (GF08)
4. -	-	17. -	-
5. L	CAN - High	18. W	SPDIF OUT (+)
6. R	CAN - Low	19. G	SPDIF OUT (-)
7. G	VP Junction Box - AUDIO 2 10A	20. -	-
8. -	-	21. -	-
9. -	-	22. -	-
10. -	-	23. -	-
11. Br	Audio (NEVI Voice (+))	24. Y	Audio (NEVI Voice (-))
12. L	Sub Woofer Speaker (+)	25. R	Sub Woofer Speaker (-)
13. G	Sub Woofer Speaker (+)	26. O	Sub Woofer Speaker (-)

F03-C AMP

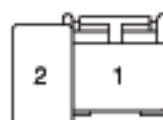
- 12 Female / White (AMP_0407_12F_W_070)



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

F04 Luggage Lamp

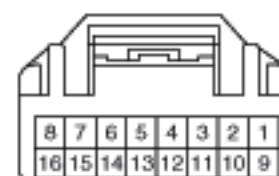
- 2 Female / Black (AMP_PLM2_02F_B)



1. W	Tail Gate Open Switch	2. G	I/P Junction Box - ROOM LP 10A
------	-----------------------	------	--------------------------------

F05 4WD ECM

- 16 Female / White (YAZ_025_16F_W)



1. R	EMC (+)	9. B/O	EMC (-)
2. -	-	10. B	Ground (GF01)
3. R/O	I/P Junction Box - TPMS 7.5A	11. -	-
4. R/B	I/P Junction Box - MODULE 1 10A	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

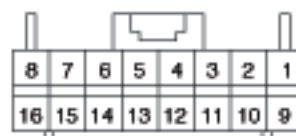
- 26 Female / White (AMP_0407_26F_W_HD)



1. R	I/P Junction Box - SMART KEY 10A	14. Br/B	I/P Junction Box - MODULE 5 7.5A
2. Br/O	IMMO. IND.	15. M/T	-
3. B	Ground (GF06)	W/B	Ignition Lock Switch
4. -	-	A/T	-
5. W	Tail Gate Handle Switch	G/B	'P' Position Switch
6. Gr/B	L_FL_DR_Lock/Unlock	16. B	Ground (GF06)
7. P	External Buzzer	17. -	-
8. G/O	ALT_L	18. -	-
9. W/O	I/P Junction Box - AUDIO 2 10A	19. -	-
10. L	B-CAN High	20. W/B	L_FR_DR_Lock/Unlock
11. R	B-CAN Low	21. -	-
12. -	-	22. W/O	Diag-K Line
13. O	RF Receiver(RF_COM)	23. L	Start Stop Button Switch (SSB SW 2)
		24. G/B	Stop Lamp Switch
		25. W/O	EMS_COM
		26. -	-

F06-B Smart Key Control Module

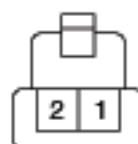
- 16 Female / White (AMP_0407_16F_W_040)



1. O	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. O	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_FL_DR_ANT	16. W	O_FL_DR_ANT_GND

F07 Driver Door Switch

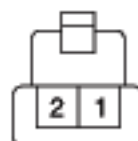
- 2 Female / White (AMP_040M1_02F_W)



1. -	-	2. G/O	IPS Control Module
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F08 Passenger Door Switch

- 2 Female / White (AMP_040M1_02F_W)



1. -	-	2. P/B	IPS Control Module
------	---	--------	--------------------

F09 Rear Door Switch LH

- 2 Female / White (AMP_040M1_02F_W)



1. -	-	2. Y/B	IPS Control Module
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F10 Rear Door Switch RH

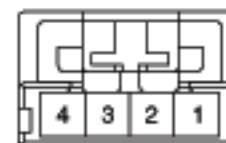
- 2 Female / White (AMP_040M1_02F_W)



1. -	-	2. Gr/B	IPS Control Module
------	---	---------	--------------------

F11 Smart Key Antenna #2

- 4 Female / Black (AMP_MQS_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_090IWP_05F_Gr_2)



1. -	-	4. P	EMS Box - F/PUMP Relay
2. O	Instrument Cluster - Fuel Sender (+)	5. B	Ground (GF02)
3. B	Instrument Cluster - Fuel Sender (-)		

F13 Driver Seat Warmer

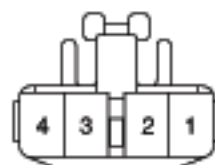
- 4 Female / White (KET_090IIL_04F_W)



1. W	Switch (High)	3. B	Ground (GF01)
2. L	Switch (Low)	4. Br	IND. Ground

F14 Passenger Seat Warmer

- 4 Female / White (KET_090IIL_04F_W)



1. W	Switch (High)	3. B	Ground (GF06)
2. L	Switch (Low)	4. Br	IND. Ground

F15 Canister Close Valve

- 2 Female / Black (KET_090IWP_02F_B)



1. O/B	EMS Box - SENSOR 1 10A	2. Gr	PCM (CCV Control)
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F16 Fuel Tank Pressure Sensor

- 3 Female / Black (AMP_090_03F_B_WP)



1. L	PCM (Sensor Supply)	3. G	PCM (FTPS Signal)
2. Br	PCM (FTPS Ground)		

F17 Rear Power Outlet

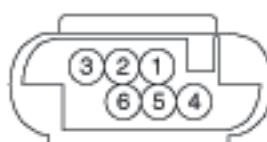
- 2 Female / Black (KET_2505_02F_B_CIGAR)



1. L	I/P Junction Box - POWER OUTLET 2 25A	2. B	Ground (GF03)
------	---------------------------------------	------	---------------

F18 Yaw Rate Sensor

- 6 Female / Black (AMP_MQSWP_06F_B_1)



1. B	ESC Module (CAN Low)	4. L/B	ESC Module (Ground)
2. Y	ESC Module (CAN High)	5. —	—
3. O	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	I/P Junction Box - IPS 7
2. —	—	5. —	—
3. G/B	ICM Relay Box (DBC Relay)	6. B	Ground (GF03)

F27 Rear Combination Lamp (Out) RH

- 6 Female / Black (KET_SWP_06F_B)



1. P	BCM (Turn & Hazard Lamp)	4. B/O	I/P Junction Box - IPS 2
2. —	—	5. —	—
3. G/B	ICM Relay Box (DBC Relay)	6. B	Ground (GF08)

F30 Rear Wheel Sensor LH

- 2 Male / White (KET_090III_02M_W_L_1)



1. L	ESC Module (SIG)	2. R	ESC Module (VCC)
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F31 Rear Wheel Sensor RH

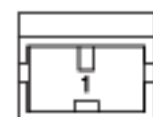
- 2 Male / White (KET_090III_02M_W_L_1)



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. Gr/O	IPS Control Module - Parking Brake Switch
---------	---

F33 Foot Parking Brake Switch (A/T)

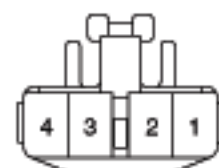
- 1 Male / Black (KET_250_01M_B)



1. Gr/O	IPS Control Module - Parking Brake Switch
---------	---

F35 Sub Woofer Speaker

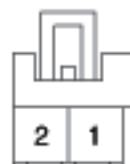
- 4 Female / White (KET_090III_04F_W)



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

F38 ATM Shift Lever ILL.

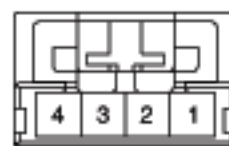
- 2 Female / White (KUM_CDR_02F_W)



- | | | | |
|--------|----------|--------|----------|
| 1. R/O | ILL. (+) | 2. L/O | 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 (AMP_PLM1_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. Br/B | SRS Control Module (High) | 2. O/B | SRS Control Module (Low) |
|---------|---------------------------|--------|--------------------------|

F45 Rear Side Impact Sensor LH

- 2 Female / Dark Gray (FCI_PAEWP_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 (FCL_PAEWP_02F_DGr_B)



1. G	SRS Control Module (High)	2. O	SRS Control Module (Low)
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F52 Electronic Magnetic Valve Clutch

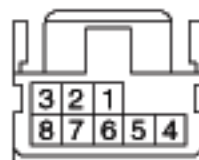
- 2 Female / Gray (KUM_NMWP_02F_Gr)



1. R	4WD ECM (+)	2. B/O	4WD ECM (-)
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F55 Passenger Seat Belt Buckle Switch

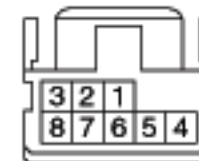
- 8 Female / Yellow (JST_HIC_08F_Y)



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

F56 Driver Seat Belt Buckle Switch

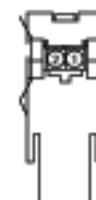
- 8 Female / Yellow (JST_HIC_08F_Y)



1. P	SRS Control Module (Low)	5. O	IPS Control Module (Warning)
2. -	-	6. L	SRS Control Module (High)
3. -	-	7. -	-
4. B	Ground(GF09)	8. -	-

F57 Driver Seat Belt Pretensioner

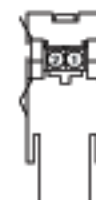
- 2 Female / Black (JST_SQS_02F_B)



1. P/B	SRS Control Module (High)	2. Gr	SRS Control Module (Low)
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F58 Passenger Seat Belt Pretensioner

- 2 Female / Black (JST_SQS_02F_B)



1. L/O	SRS Control Module (High)	2. Y/B	SRS Control Module (Low)
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F59 Passenger Curtain Air Bag

- 2 Female / Black (FCI_AKII_02F_B_I)



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

F60 Driver Curtain Air Bag

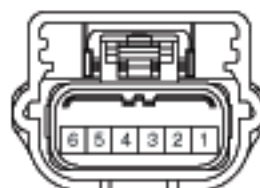
- 2 Female / Black (FCI_AKII_02F_B_I)



1. G/R	SRS Control Module (High)	2. W/B	SRS Control Module (Low)
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F61 Passenger Occupant Detection Sensor

- 6 Female / Black (MLX_ABAG_06F_B)



1. Y	I/P 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 Belt Tension Sensor

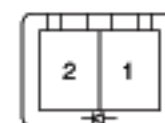
- 3 Female / N/A (EPC_E5706_03F)



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

Z01 Diode

- 2 Female / Black (KET_090_02F_B_DIODE)



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

D01 Driver Door Lock Actuator

- 7 Female / Black (FCL_ACTRWP_07F_B)



- | | | | |
|------|--|-------|--|
| 1. G | ICM Relay Box
(Two Turn Unlock Relay) | 5. B | Ground (GF01) |
| 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_SWP_04M_B)



- | | | | |
|---------|---|------|---|
| 1. Br | Smart Key Control Module
(O_FL_DR_ANT) | 3. W | Smart Key Control Module
(O_FL_DR_ANT_GND) |
| 2. Gr/B | Smart Key Control Module
(L_FL_DR_Lock/Unlock) | 4. B | Ground (GF01) |

D06 Driver Pressure Side Impact Sensor

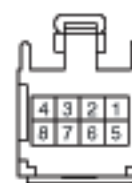
- 2 Female / Brown (FCL_PAEWP_02F_Br_C)



- | | | | |
|------|---------------------------|------|--------------------------|
| 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) | 5. — | — |
| 2. P | Outside Mirror Switch - Up/Down | 6. — | — |
| 3. Gr/B | Outside Mirror Switch - Left (HL) | 7. B | Ground (GF01) |
| 4. W | BCM - Turn Lamp Output RL | 8. L/B | VP Junction Box - HTD MIRR 7.5A |

D08 Power Outside Mirror Switch

- 12 Female / White (AMP_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 (GF01) | 11. Gr | Outside Mirror Switch (HR) |
| 6. G | VP Junction Box - AUDIO 2 10A | 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

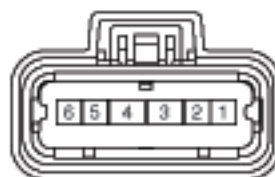
- 16 Female / White (KET_090III_16F_W)



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	IPS Control Module (Door Unlock)	P	Driver Power Window Motor
6. W	Safety Power Window Module (Auto)	9. R	I/P Junction Box - P/WDW RH 25A
7. With Safety		10. L	Window Switch RR
L	Safety Power Window Module (Up)	11. O	Window Switch RR
W/O Safety		12. B	Ground (GF01)
W	Driver Power Window Motor	13. L/B	IPS Control Module (Door Lock)
		14. P	Window Switch RL
		15. Br	Window Switch RL
		16. O	I/P Junction Box - P/WDW LH 25A

D12 Driver Safety Power Window Module (With Safety)

- 6 Female / Black (FCI_MINIWP_06F_B)



1. G	Driver Window Switch (Down)	4. Y	I/P Junction Box - SAFETY POWER WINDOW 20A
2. L	Driver Window Switch (Up)	5. W	Driver Window Switch (Auto)
3. B	Ground (GF01)	6. G	BCM

D13 Driver Door Speaker

- 2 Female / Black (KUM_CDR_02F_B)



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

D14 Driver Tweeter Speaker

- 2 Female / White (KUM_CDR_02F_W)



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

D21 Passenger Door Lock Actuator

- 7 Female / Black (FCI_ACTRWP_07F_B)



1. -	-	5. Br	IPS Control Module (Key Lock)
2. W	IPS Control Module (Door Lock/Unlock)	6. O	I/P Junction Box (Door Lock Relay)
3. B	Ground (GF06)	7. L	I/P Junction Box (Door Unlock Relay)
4. G	IPS Control Module (Key Unlock)		

D25 Passenger Smart Key Outside Handle

- 4 Male / Black (KET_SWP_04M_B)



- | | | | |
|--------|--|------|--|
| 1. W | Smart Key Control Module (O_FR_DR_ANT) | 3. B | Smart Key Control Module (O_FR_DR_ANT_GND) |
| 2. W/B | Smart Key Control Module (L_FR_DR_Lock/Unlock) | 4. B | Ground (GF06) |

D26 Passenger Pressure Side Impact Sensor

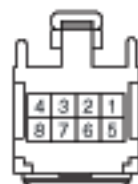
- 2 Female / Brown (FCL_PAEWP_02F_Br_C)



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

D27 Passenger Power Outside Mirror

- 8 Female / Black (MLX_040_08F_B_A)



- | | | | |
|-------|------------------------------------|--------|----------------------------------|
| 1. G | Outside Mirror Switch - Right (VR) | 5. — | — |
| 2. P | Outside Mirror Switch - Up/Down | 6. — | — |
| 3. Gr | Outside Mirror Switch - Right (HR) | 7. B | Ground (GF06) |
| 4. P | BCM - Turn Lamp Output RR | 8. L/B | I/P Junction Box - HTD MIRR 7.5A |

D29 Passenger Power Window Motor

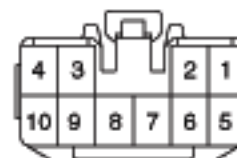
- 2 Female / Gray (FCL_SENSOR_02F_GR)



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

D31 Passenger Power Window Switch

- 10 Female / White (KET_090III_20F_W)



- | | | | |
|---------|----------------------------------|--------|----------------------------------|
| 1. R/O | ILL. (+) | 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 | I/P Junction Box - P/WDW RH 25A |
| 5. P | Motor | 10. Br | Motor |

D33 Passenger Door Speaker

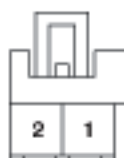
- 2 Female / Black (KUM_CDR_02F_B)



- | | | | |
|------|-------------|------|-------------|
| 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 (FCI_ACTRWP_07F_B)



- | | | | |
|------|-------------------------------------|------|---------------------------------------|
| 1. L | VP Junction Box (Door Unlock Relay) | 5. 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

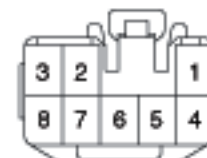
- 2 Female / Gray (FCI_SENSOR_02F_GR)



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

D50 Rear Power Window Switch LH

- 8 Female / White (KET_090III_08F_W)



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

D53 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 (FCI_ACTRWP_07F_B)



- | | | | |
|------|---------------------------------------|------|-------------------------------------|
| 1. - | - | 5. - | - |
| 2. Y | IPS Control Module (Door Lock/Unlock) | 6. O | VP Junction Box (Door Lock Relay) |
| 3. B | Ground (GF06) | 7. L | VP Junction Box (Door Unlock Relay) |
| 4. - | - | | |

D69 Rear Power Window Motor RH

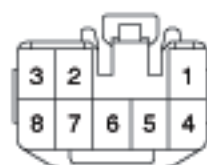
- 2 Female / Gray (FCL_SENSOR_02F_GR)



1. P	Window Switch	2. Br	Window Switch
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D70 Rear Power Window Switch RH

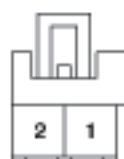
- 8 Female / White (KET_090III_08F_W)



1. Br	Motor	6. R	I/P Junction Box - P/WDW RH 25A
2. L	Window Main Switch	7. O	Window Main Switch
3. B	Ground (GF08)	8. R/O	ILL. (+)
4. P	Motor		
5. -	-		

D73 Rear Door Speaker RH

- 2 Female / Black (KUM_CDR_02F_B)

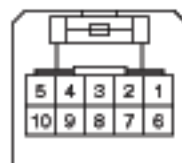


1. G	Speaker (+)	2. O	Speaker (-)
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Roof & Tail Gate Harness (1)

R01 Electro Chromic Mirror

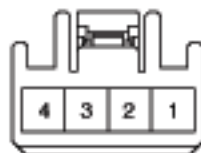
- 10 Female / Black (SUM_025_10F_B)



1. Y/B	Rear View Camera (Video GND. (-))	6. G	I/P Junction Box - ROOM LP 10A (Home Link)
2. —	—	7. —	—
3. Y	Rear View Camera (Video Power (+))	8. B	Ground (GM02)
4. R/B	Rear View Camera (Video VGND.)	9. L	I/P Junction Box - Back-Up Lamp Relay
5. R	Rear View Camera (Video In)	10. Gr/O	I/P Junction Box - MODULE 2 10A

R02 Map Lamp

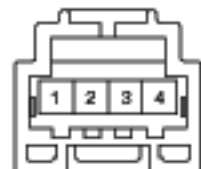
- 4 Female / White (AMP_090III_04F_W)



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

R03 MIC

- 10 Male / Black (AMP_MQS_04M_B)



1. R	Audio (+)	3. —	—
2. B	Audio (-)	4. —	—

R05 Room Lamp

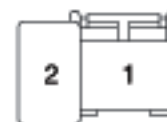
- 3 Female / White (AMP_070_03F_W_HOR)



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

R06 Driver Vanity Lamp

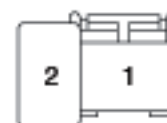
- 2 Female / Black (AMP_PLM2_02F_B_DL)



1. G	I/P Junction Box - ROOM LP 10A	2. B	Ground (GM02)
------	--------------------------------	------	---------------

R07 Passenger Vanity Lamp

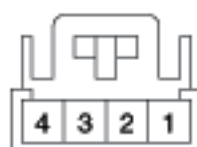
- 2 Female / Black (AMP_PLM2_02F_B_DL)



1. G	I/P Junction Box - ROOM LP 10A	2. B	Ground (GM02)
------	--------------------------------	------	---------------

R08 Sunroof Switch

- 4 Female / White (AMP_070_04F_W)



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

R09 Sunroof Motor

- 8 Female / White (AMP_090III_08F_W)



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

R11 High-Mounted Stop Lamp

- 2 Male / White (KUM_CDR_02M_W)



- | | | | |
|--------|-----------|------|---------------|
| 1. G/B | DBC Relay | 2. B | Ground (GR01) |
|--------|-----------|------|---------------|

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

- 9 Male / White (KUM_CDR_09M_W)



- | | | | |
|--------|-------------------------|--------|-------------------------|
| 1. R | Rear View Camera (CVBS) | 6. B | Ground (GR01) |
| 2. R/B | Rear View Camera (VGND) | 7. B | Ground (GR01) |
| 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 (GND) | | |

R13 Rear Combination Lamp (IN) LH

- 4 Female / White (KET_62C_04F_W)



- | | | | |
|------|---------------|------|--------------------------------------|
| 1. B | Ground (GR01) | 3. G | VP Junction Box - IPS 7 |
| 2. - | - | 4. R | VP Junction Box - Back-Up Lamp Relay |

R14 Rear Combination Lamp (IN) RH

- 4 Female / White (KET_62C_04F_W)



- | | | | |
|------|---------------|------|--------------------------------------|
| 1. B | Ground (GR01) | 3. Y | VP Junction Box - IPS 2 |
| 2. - | - | 4. R | VP Junction Box - Back-Up Lamp Relay |

R15 Rear Defogger (-)

- 1 Female / Black (AMP_PLM2_01F_B)



1. B Ground (GF03 / GR01)

R16 Rear Defogger (+)

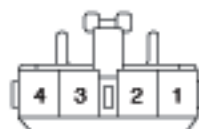
- 1 Female / Black (AMP_PLM2_01F_B)



1. G E/R Fuse & Relay Box - RR HTD Relay

R17 Rear Wiper Motor

- 4 Female / White (KET_090III_04F_W)



1. B	Ground (GR01)	3. Br	ICM Relay Box - Rear Wiper Relay
2. W	ICM Relay Box - Rear Wiper Relay	4. L	I/P Junction Box - WIPER RR 15A

R18 Tail Gate Latch

- 4 Female / Black (KUM_NDWP_04F_B)



1. B	Ground (GR01)	3. L	I/P Junction Box - Tail Gate Relay
2. W	IPS Control Module, Luggage Lamp	4. B	Ground (GR01)

R22 Smart Key Bumper Antenna

- 2 Female / Black (AMP_EJWP_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 (KET_58X_01F_Gr)



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

E13 Alternator

- 1 Female / N/A (TAE_919803K100_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	1/P Junction Box -
6. G/R	Driver Height Switch (Down)		P/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_0902_03F)



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

S03 Driver Reclining Motor

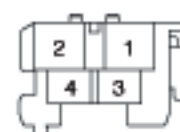
- 2 Male / N/A (KET_09011_02M)



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

S04 Driver Height Motor

- 4 Female / N/A (AMP_JPMT_4F)



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

S05 Driver Slide Motor

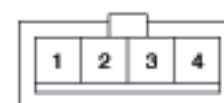
- 4 Female / N/A (KET_090-2_4F)



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

S06 Driver Seat Warmer (With Power Seat)

- 4 Male / N/A (KET_090-2_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 Male / N/A (KET_09011_02M)



1. Br Seat Manual Switch (RR) 2. L/W Seat Manual Switch (FR)

CB21 Control To Battery Harness Connection

- 1 Male / Black (KUM_NMWP_01M_B)



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

- 1 Female / Black (KUM_NMWP_01F_B)



1. R Start Solenoid

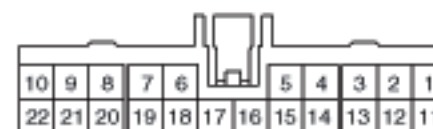
CF11 Floor To Control Harness Connection

- 22 Male / White (KET_090III_22M_W)



1. -	-	12. L/B	ESC Module (Yaw Rate Sensor - Ground)
2. G	ICM Relay Box (DBC Relay)	13. O	ESC Module (Yaw Rate Sensor - Power)
3. W/B	Ignition Lock Switch (M/T)	14. B	ESC 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 (CCV 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 (FTPS Signal)
10. -	-	21. Br	PCM (FTPS Ground)
11. -	-	22. L	PCM (Sensor Supply)

- 22 Female / White (KET_090III_22F_B)



1. -	-	12. L/B	Yaw Rate Sensor (Ground)
2. G/B	High-Mounted Stop Lamp, Stop Lamp LH/RH	13. O	Yaw Rate Sensor (Power)
3. W/B	M/T - Smart Key Control Module (Ignition Lock 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	I/P Junction Box - TPMS 7.5A
6. Y	Rear Wheel Sensor RH (SIG)	17. Gr	Canister Close Valve (Control)
7. R	Rear Wheel Sensor LH (VCC)	18. O/B	Canister 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_NMWP_02F_B)



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

- 2 Male / Black (KUM_NMWP_02M_B)



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

EC21 Front End Module Harness To Control Connection

- 2 Male / Black (KUM_NMWP_02M_B)



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

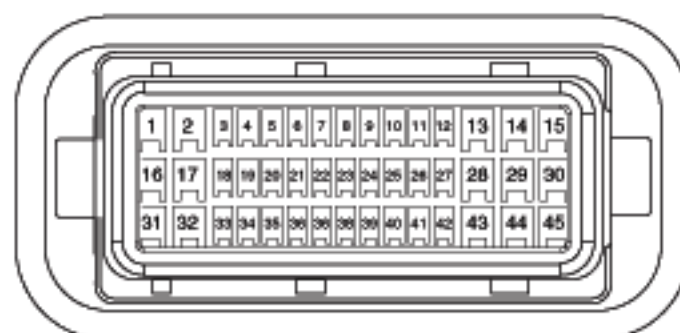
- 2 Female / Black (KUM_NMWP_02F_B)



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

FD11 Floor To Driver Door Harness Connection

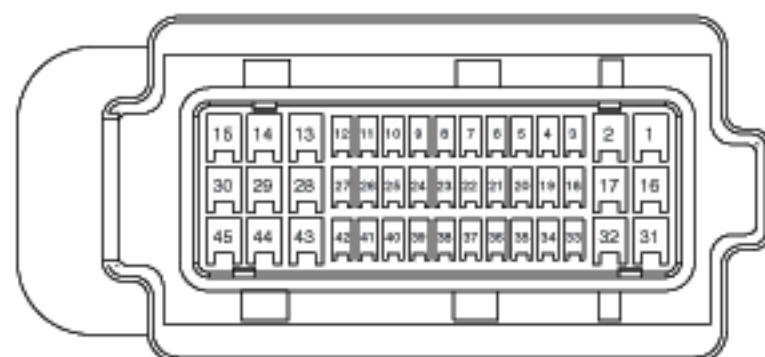
- 45 Male / Black (KET_HYBRID_45M_B)



1. G	Passenger Power Window Switch	16. L	Rear Power Window Switch RH	31. W	BCM	41. -	-
2. O	I/P Junction Box - P/WDW LH 25A	17. Y	I/P Junction Box -		(Turn & Hazard Lamp Output RL)	42. -	-
3. -	-		SAFETY POWER WINDOW 20A	32. B	Ground (Gf01)	43. P	Rear Power Window Switch LH
4. P	Passenger Power Outside Mirror	18. G	Passenger Power Outside Mirror	33. P	IPS Control Module	44. O	Rear Power Window Switch RH
5. G	I/P Junction Box - AUDIO 2 10A	19. Gr/B	IPS Control Module		(Driver Door Key Unlock Signal)	45. W/O AMP	
6. B	SRS - Driver SIS (High)	20. L/B	IPS Control Module	34. R	IPS Control Module	W	Audio - FL (-)
7. W	SRS - Driver SIS (Low)		(Door Lock Switch)		(Driver Door Key Lock Signal)	With AMP	
8. -	-	21. G	ICM Relay Box	35. O	I/P Junction Box (Door Lock Relay)	W	AMP - FL (-)
9. -	-		(Two Turn Unlock Relay)	36. Gr	Passenger Power Outside Mirror		
10. -	-	22. Gr	IPS Control Module	37. -	-		
11. Br	With AMP - AMP (FL (+))		(Driver Door Lock/Unlock Signal)	38. W	Smart Key Control Module		
12. W	With AMP - AMP (FL (-))	23. Gr/B	Smart Key Control Module		(O_FL_DR_ANT_GND)		
13. B	Ground (Gf01)		(L_FR_DR_Lock/Unlock)	39. Br	Smart Key Control Module		
14. L/B	I/P Junction Box - HTD MIRR 7.5A	24. R	I/P Junction Box - IPS 3 (ILL.)		(O_FL_DR_ANT)		
15. R	I/P Junction Box - P/WDW RH 25A	25. -	-	40. G	BCM (Safety Power Window)		
		26. -	-				
		27. -	-				
		28. W/O AMP					
		Br	Audio - FL (+)				
		With AMP					
		Br	AMP - FL (+)				
		29. Gr	Passenger Power Window Switch				
		30. Br	Rear P/WDW Switch LH				

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

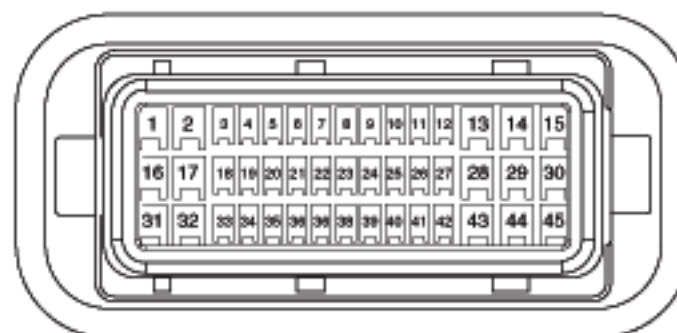
- 45 Female / Black (KET_HYBRID_45F_B)



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 (VR)		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))		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))	33. P	Driver Door Lock Actuator (Key Lock)	45. W	Driver Door Speaker (-), W/O AMP - Driver Tweeter Door Speaker (-)
6. B	Driver Side Impact Sensor (High)	21. G	Driver Door Lock Actuator (Actuator)	34. R	Driver Door Lock Actuator (Key Lock)		
7. W	Driver Side Impact Sensor (Low)	22. Gr	Driver Door Lock Actuator (Door Lock/Unlock)	35. O	Driver Door Lock Actuator (Actuator)		
8. -	-	23. Gr/B	Driver Smart Key Outside Handle (Lock Switch)	36. Gr	Power Outside Mirror Switch (HR)		
9. -	-	24. R	Power Window Main Switch (ILL. +)	37. -	-		
10. -	-	25. -	-	38. W	Driver Smart Key Outside Handle (Antenna -)		
11. Br	With AMP - Driver Door Tweeter Speaker (+)	26. -	-	39. Br	Driver Smart Key Outside Handle (Antenna +)		
12. W	With AMP - Driver Door Tweeter Speaker (-)	27. -	-	40. G	Safety Power Window Module (COM)		
13. B	Ground - Driver Door Lock Actuator, Driver Smart Key Outside Handle, Driver Power Outside Mirror	28. Br	Driver Door Speaker (+), W/O AMP - Driver Door Tweeter Speaker (+)				
14. L/B	Driver Power Outside Mirror (Defogger)	29. Gr	Power Window Main Switch (Passenger Window Switch)				
15. R	Power Window Main Switch - Window Switch (Passenger B+, RR B+)	30. Br	Power Window Main Switch (RL)				

FD21 Floor To Passenger Door Harness Connection

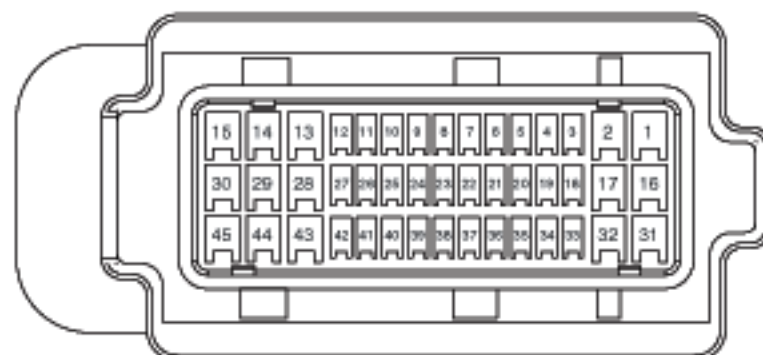
- 45 Male / Black (KET_HYBRID_45M_B)



1. -	-	18. -	-	28. Gr	Power Outside Mirror Switch (HR)	39. R	With AMP - AMP (FR (+))
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 SIS (High)
4. -	-	21. G	IPS Control Module (Passenger Door Key Unlock Signal)	31. B	Ground (GF06)	42. L	SRS - Passenger SIS (Low)
5. -	-	22. -	-	32. P	BCM (Turn & Hazard Lamp Output RR)	43. W/O AMP	
6. -	-	23. B	Smart Key Control Module (O_FR_DR_ANT_GND)	33. L	VP Junction Box (Door Unlock Relay)	R	Audio - FR (+)
7. -	-	24. W/B	Smart Key Control Module (L_FR_DR_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 (O_FR_DR_ANT)	37. -	-	L	Audio - FR (-)
11. -	-			38. R/O	VP Junction Box - IPS 3 (ILL.)	With AMP	
12. -	-					L	AMP - FR (-)
13. R	VP Junction Box - P/WDW 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 - HTD MIRR 7.5A						
17. G	Power Outside Mirror Switch (VR)						

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

- 45 Female / Black (KET_HYBRID_45F_B)



1. —	—	16. L/B	Passenger Power Outside Mirror (Defogger)	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 - Passenger Door Tweeter Speaker (+)
4. —	—	19. —	—	34. —	—	44. L	Passenger Door Speaker (-), W/O AMP - Passenger Door Tweeter Speaker (-)
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. —	—				

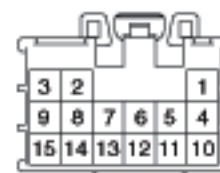
FD31 Floor To Rear Door LH Harness Connection

- 15 Male / White (KET_090III_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/O	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 - P/WDW LH 25A		

- 15 Female / White (KET_090III_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/O	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+)		

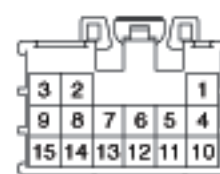
FD41 Floor To Rear Door RH Harness Connection

- 15 Male / White (KET_090III_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 (GF06)	13. -	-
6. L	Power Window Main Switch (Rear Window Switch RH)	14. -	-
7. -	-	15. B	Ground (GF08)
8. R	VP Junction Box - P/WDW RH 25A		

- 15 Female / White (KET_090III_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_HYB1809_17M_W)



- 17 Female / White (KET_HYB1809_17F_W)



1. L	I/P Junction Box - WIPER RR 15A	11. W/O A/V & Navigation	
2. Br	ICM Relay Box (Rear Wiper Relay)	Y	Electro Chromic Mirror
3. W	ICM Relay Box (Rear Wiper Relay)		(Video PWRL +)
4. W/O A/V & Navigation		With A/V & Navigation	
Y/B	Electro Chromic Mirror	Y	A/V & Navigation Head Module
	(Video GND. -)		(Video PWRL +)
With	A/V & Navigation	12. G	E/R Fuse & Relay Box
Y/B	A/V & Navigation Head Module		(RR HTD Relay)
	(Video GND. -)	13. Y/B	Smart Key Control Module
5. -	-		(Tail Gate)
6. W/O A/V & Navigation		14. L	I/P Junction Box (Tail Gate Relay)
R	Electro Chromic Mirror	15. W	IPS Control Module
	(Video In)		(Tail Gate Open Switch),
With A/V & Navigation			Luggage Lamp
R	A/V & Navigation Head Module	16. R	I/P Junction Box
	(Video In)		(Back-Up Lamp Relay)
7. W/O A/V & Navigation		17. B	Ground (GF03)
R/B	Electro Chromic Mirror		
	(Video VGND.)		
With A/V & Navigation			
R/B	A/V & Navigation Head Module		
	(Video VGND.)		
8. G	IPS Control Module - IPS 7		
9. Y	IPS Control Module - IPS 2		
10. G/B	ICM Relay Box (DBC Relay)		

1. L	Rear Wiper Motor	11. Y	License Lamp
2. Br	Rear Wiper Motor		(Rear View Camera - B+)
3. W	Rear Wiper Motor	12. G	Rear Defogger (+)
4. Y/B	License Lamp	13. Y/B	License Lamp
	(Rear View Camera - GND.)		(Tail Gate Handle Switch)
5. -	-	14. L	Tail Gate Latch
6. R	License Lamp	15. W	Tail Gate Latch
	(Rear View Camera - CVBS)		(Tail Gate Open Switch)
7. R/B	License Lamp	16. R	Back-Up Lamp LH/RH
	(Rear View Camera - VGND.)	17. B	Rear Defogger (-)
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_080III_22F_W)



1. -	-	12. -	-
2. -	-	13. -	-
3. -	-	14. -	-
4. -	-	15. -	-
5. W	Console Switch (Driver Seat Warmer Relay - High)	16. Br	Console Switch (Driver Seat Warmer Switch)
6. L	Console Switch (Driver Seat Warmer Relay - Low)	17. -	-
7. -	-	18. -	-
8. B	Ground (GF01)	19. -	-
9. -	-	20. -	-
10. B	Ground (GF01)	21. -	-
11. R	VP Junction Box - P/SEAT (DRV) 20A	22. -	-

- 22 Male / White (KET_090-2_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. -	-

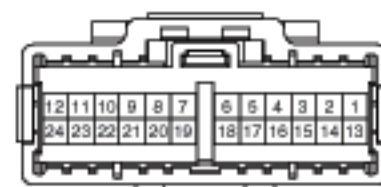
MC11 Main To Control Harness Connection

- 24 Male / White (KUM_HSC_24M_W)



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

- 24 Female / White (KUM_HSC_24F_W)



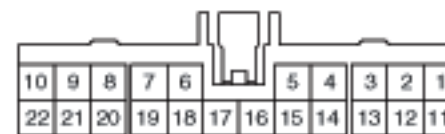
1. -	-	13. G	E/R Fuse & Relay Box - ECU 2 7.5A
2. -	-	14. -	-
3. -	-	15. -	-
4. W/B	PCM (Engine Speed Signal)	16. -	-
5. -	-	17. O	ESC Module (ESC Off Switch 'ON')
6. M/T	Vehicle Speed Sensor	18. P	ESC Module (Wheel Speed Sensor Output (RR))
7. L	Passenger Front Impact Sensor (High)	19. O	Passenger Front Impact Sensor (Low)
8. -	-	20. O	ESC Module (DBC Switch 'ON')
9. -	-	21. -	-
10. -	-	22. -	-
11. B	PCM (Cruise Control Switch Ground)	23. -	-
12. L	PCM (Cruise Control Switch Signal)	24. -	-

MC21 Main To Control Harness Connection

- 22 Male / Blue (KET_090III_22M_L)



- 22 Female / Blue (KET_090III_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 (DBC Relay)	17. -	-
7. -	-	18. -	-
8. -	-	19. W/B	ICM Relay Box (DBC Relay)
9. -	-	20. -	-
10. -	-	21. Br/O	Instrument Cluster (IMMO, IND.)
11. G	C-CAN (High) (Data Link Connector)	22. -	-

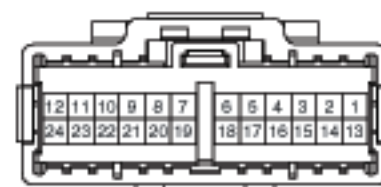
1. O	C-CAN (Low) (ESC Module, PCM, Multipurpose Check Connector)	12. -	-
2. -	-	13. -	-
3. -	-	14. B	Front Washer Motor
4. -	-	15. L	Rear Washer Motor
5. -	-	16. O	PCM (Fuel Tank Level Sender)
6. G	ESC Module, High-Mounted Stop Lamp, Stop Lamp LH/RH	17. -	-
7. -	-	18. -	-
8. -	-	19. W/B	ESC Module
9.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

MC31 Main To Control Harness Connection

- 24 Male / White (KUM_HSC_24M_W)



- 24 Female / White (KUM_HSC_24F_W)



1. -	-	13. -	-
2. R/B	PDM (Start Feedback 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 IND.)	16. -	-
5. -	-	17. O/B	BCM (Wiper Relay (Low) Control)
6. G	ICM Relay Box (DBC Relay)	18. -	-
7. Y/B	Instrument Cluster (Oil Pressure IND.)	19. -	-
8. R/B	4WD ECM (ON/START Input)	20. Gr	Multifunction Switch (Horn Switch)
9. W	Data Link Connector (Body K-Line)	21. -	-
10. -	-	22. -	-
11. Br	SRS - Driver FIS (High)	23. -	-
12. W	SRS - Driver FIS (Low)	24. -	-

1. -	-	12. W	Driver Front Impact Sensor (Low)
2. R/B	E/R Fuse & Relay Box (Start Relay), M/T - PCM (Start Overrun (PDM))	13. -	-
3. Gr	A/C Compressor (Electrical Control Valve (+))	14. -	-
4. Y/B	PCM (Check Engine IND.)	15. L	A/C Compressor (Electrical Control Valve (-))
5. -	-	16. -	-
6. G	Stop Lamp Switch, ESC Module	17. O/B	E/R Fuse & Relay Box (Wiper FRT, LO Relay)
7. Y/B	Oil 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 | 8. L | Immobilizer Module |
| W/O Smart Key Control Module | 9. - | - |
| W/O Smart Key | 10. L | ICM Relay Box (DBC Relay) |
| L | 11. R | With Smart Key - |
| | | PDM Relay Box (IGN2 Relay) |
| 2. G | | W/O Smart Key - Ignition Switch |
| 3. L/B | 12. With Smart Key | |
| | P | PDM Relay Box (IGN1 Relay) |
| 4. Gr | 13. - | - |
| | 14. G | Front Wiper Switch (Low) |
| 5. Gr | 15. B | Immobilizer Module |
| 6. P | | |
| 7. P | | |

- | | | | |
|--------|--|-------|------------------------------------|
| 1. L | PCM (IMMO, Data Line) | 8. L | EMS Box - SENSOR 10A |
| 2. G | E/R Fuse & Relay Box (Deicer Relay) | 9. - | - |
| 3. L/B | Ambient Sensor | 10. L | E/R Fuse & Relay Box - STOP LP 10A |
| 4. Gr | Ambient Sensor | 11. R | E/R Fuse & Relay Box - IGN 2 40A |
| 5. Gr | E/R Fuse & Relay Box (Wiper FRT, LO 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 (GHG05) |

MC51 Main To Control Harness Connection

- 1 Male / White (KET_58L_01M_W)- 1 Female / White (KET_58L_01F_W)



1. R E/R Fuse & Relay Box - MDPS 80A

- 1 Female / White (KET_58L_01F_W)



1. R EPS Control (Battery Power)

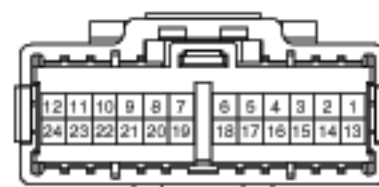
MF11 Main To Floor Harness Connection

- 24 Male / Yellow (KUM_HSC_24M_Y)



1. R/B	VP Junction Box - SMART KEY 10A	13. -	-
2. -	-	14. -	-
3. W/B	PDM (IMMO. Data)	15. -	-
4. Y/B	PDM (IMMO. Clock)	16. -	-
5. P/B	PDM (Holder ILL.)	17. -	-
6. O/B	PDM (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. -	-

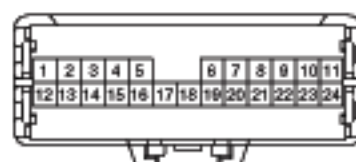
- 24 Female / Yellow (KUM_HSC_24F_Y)



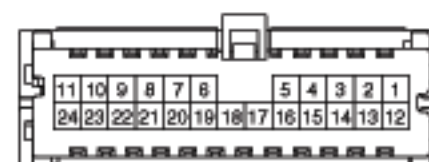
1. R/B	Fob Holder	13. -	-
2. -	-	14. -	-
3. W/B	Fob Holder (IMMO. Data)	15. -	-
4. Y/B	Fob Holder (IMMO. Clock)	16. -	-
5. P/B	Fob Holder (ILL. -)	17. -	-
6. O/B	Fob Holder (Fob In)	18. R/O	ATM Shift Lever ILL. (ILL. +)
7. -	-	19. L/O	ATM Shift Lever ILL. (ILL. -)
8. -	-	20. W/B	IPS Control Module (Rear 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_040III_24M_GR)



- 24 Female / Gray (KET_040III_24F_GR)



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

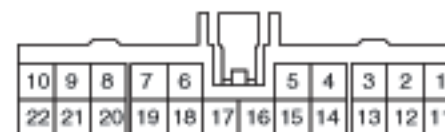
1. -	-	13. -	-
2. -	-	14. -	-
3. -	-	15. R License Lamp	
4. Y/B License Lamp		(Rear View Camera - CVBS)	
(Rear View Camera - GND.)		16. R/B License Lamp	
5. Y License Lamp		(Rear View Camera - VGND.)	
(Rear View Camera - B+)		17. -	-
6. G Safety Power Window Module (COM)		18. -	-
7. O 4WD ECM (C-CAN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

MF31 Main To Floor Harness Connection

- 22 Male / Blue (KET_090III_22M_L)



- 22 Female / Blue (KET_090III_22F_L)

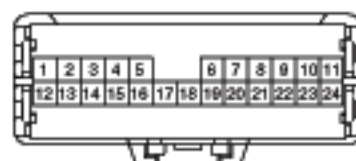


1. Br	Console Switch (Driver Seat Warmer Switch)	12. W	Console Switch (Pass. Seat Warmer Relay - High)
2. W	Console Switch (Driver Seat Warmer Relay - High)	13. L	Console Switch (Pass. Seat Warmer Relay - Low)
3. L	Console Switch (Driver Seat Warmer Relay - Low)	14. Br	ICM Relay Box (Rear Wiper Relay)
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. R/B	I/P Junction Box - MODULE 1 10A
		21. P	EMS Box (F/Pump Relay)
		22. -	-

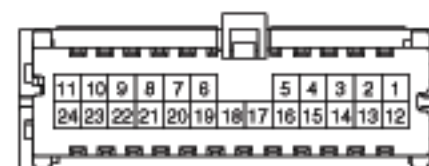
1. Br	Driver Seat Warmer (IND. - GND)	12. W	Passenger Seat Warmer (Switch - High)
2. W	Driver Seat Warmer (Switch - High)	13. L	Passenger Seat Warmer (Switch - Low)
3. L	Driver Seat Warmer (Switch - Low)	14. Br	Rear Wiper Motor
4. B	Rear Door Speaker LH (-)	15. W	Rear Wiper Motor
5. Y	Rear Door Speaker LH (+)	16. L	AMP (CAN - High)
6. -	-	17. R	AMP (CAN - Low)
7. -	-	18. -	-
8. W	Driver Door Speaker (-), Driver Door Tweeter Speaker (-)	19. G	Roof Antenna
9. Br	Driver Door Speaker (+), Driver Door Tweeter Speaker (+)	20. R/B	4WD ECM (ON/START Input)
10. -	-	21. P	Fuel Pump Motor
11. -	-	22. -	-

MF41 Main To Floor Harness Connection

- 24 Male / Gray (KET_040III_24M_GR)



- 24 Female / Gray (KET_040III_24F_GR)



1. Br	Console Switch (Passenger Seat Warmer Switch)	13. W/O A/V & Navigation G Audio (SPDIF - OUT (-))
2. -	-	With A/V & Navigation
3. R	Instrument Cluster (B-CAN (Low))	G A/V & Navigation Head Module (SPDIF - OUT (-))
4. Br/O	Instrument Cluster (IMMO. IND.)	14. -
5. O	Audio (Rear RH Speaker -)	15. -
6. L	Audio (Front RH Speaker -)	16. -
7. With A/V & Navigation Br	A/V & Navigation Head Module (NEVI Voice (+))	17. G/B BCM (Key Inter Lock Switch)
8. With A/V & Navigation 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 W Audio (SPDIF - OUT (+))
11. W/O	Data Link Connector (Body K-Line)	With A/V & Navigation
12. B	Audio (SPDIF - Shield GND)	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 PCM (IMMO. Data Line)

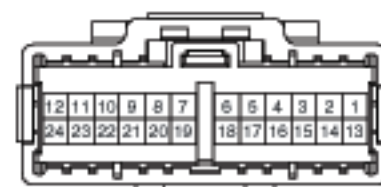
1. Br	Passenger Seat Warmer (IND. - GND)	13. G AMP (SPDIF - OUT (-))
2. -	-	14. -
3. R	Smart Key Control Module (B-CAN (Low))	15. -
4. Br/O	Smart Key Control Module	16. -
5. O	Rear Door Speaker RH (-)	17. G/B ATM Shift Lever (‘P’ Position Switch)
6. L	Passenger Door Speaker (-), Passenger Door Tweeter Speaker (-)	18. -
7. Br	AMP (NEVI Voice (+))	19. 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)



- 24 Female / Yellow (KUM_HSC_24F_Y)



1. -	-	13. -	-
2. -	-	14. -	-
3. L	Start Stop Button Switch (SW2)	15. -	-
4. -	-	16. Br/B	I/P 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. -	-

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

MR01 Main To Roof Harness Connection

- 22 Male / White (AMP_090III_22M_W)



1. Br	BCM (Room Lamp Control)	12. -	-
2. R/O	ILL. (+)	13. W/O	A/V & Navigation
3. G	I/P 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	I/P Junction Box - Back-Up Lamp Relay	B	A/V & Navigation Head Module (MIC -)
7. W/O	A/V & Navigation	14. R	I/P 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. Br	Vehicle Speed Signal
9. -	-	18. B	Ground (GM02)
10. -	-	19. -	-
11. -	-	20. Gr/O	I/P Junction Box - MODULE 2 10A
		21. -	-
		22. O	I/P Junction Box - MODULE 4 10A

- 22 Female / White (AMP_090III_22F_W)



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		(MIC -)
4. W/O	A/V & Navigation	With A/V & Navigation	
Y/B	Electro Chromic Mirror (Video GND. -)	B	A/V & Navigation Head Module (MIC -)
5. W/O	A/V & Navigation	14. R	Sunroof Motor (B+)
Y	Electro Chromic Mirror (Video PWR. +)	15. W/O	A/V & Navigation
6. L	Electro Chromic Mirror (Back-up Signal)	R	Electro Chromic Mirror (Video In)
7. R	MIC (+)	16. W/O	A/V & Navigation
8. -	-	R/B	Electro Chromic Mirror (Video VGND.)
9. -	-	17. Br	Sunroof Motor (Vehicle Speed)
10. -	-	18. B	Ground - Electro Chromic Mirror, Sunroof Switch, Sunroof Motor, Map Lamp, Room Lamp, Driver/Passenger Vanity Lamp
11. -	-	19. -	-
		20. Gr/O	Electro Chromic Mirror (ON Input)
		21. -	-
		22. O	Sunroof Motor (IG2)

I/P Junction Box (1)

I/P-A I/P Junction Box

- 18 Female / White (AMP_0925_18F_W)

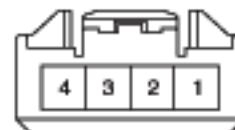


7	6	5					4	3	2	1
18	17	16	15	14	13	12	11	10	9	8

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

I/P-B I/P Junction Box

- 4 Female / White (AMP_250_04F_W_SPT)



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

I/P-C I/P Junction Box

- 28 Female / White (AMP_025_28F_W)



1. -	-	15. W/O Smart Key
2. -	-	P W/O IMMO. - E/R Fuse & Relay Box (Start Relay)
3. -	-	16. -
4. W/O Smart Key		17. -
P With IMMO. - E/R Fuse & Relay Box (Start Relay)		18. Y BCM (Turn & Hazard Lamp Output) - Head Lamp LH
With Smart Key		19. W BCM (Turn & Hazard Lamp Output) - Head Lamp RH
P M/T - E/R Fuse & Relay Box (Start Relay)		20. B Ground (GHG01)
A/T - E/R Fuse & Relay Box (ATM P/N Relay)		21. R IPS Control Module - Hood Switch
5. -	-	22. W IPS Control Module - Back-Up Lamp Switch
6. -	-	23. Br/O IPS Control Module - Brake Fluid Level Sensor
7. G Charge IND., Diode - Alternator (L)		24. -
8. Y/O Fuse MODULE 4 10A - E/R Fuse & Relay Box (Blower Relay)		25. Y IPS 2 - Head Lamp RH
9. W/B MODULE 1 10A - Stop Lamp Switch		26. G IPS 7 - Head Lamp LH
10. R/B MODULE 1 10A - 4WD ECM		27. Br/B IPS Control Module - ESC Module (Parking Brake)
11. -	-	28. L IPS Control Module (Deicer Relay Control) - E/R Fuse & Relay Box (Deicer Relay)
12. -	-	
13. W IPS Control Module (Burglar Alarm Horn Relay Control) - E/R Fuse & Relay Box (B/A HORN Relay)		
14. G/O IPS Control Module (Rear Defogger Relay Control) - E/R Fuse & Relay Box (RR HTD Relay)		

I/P-D I/P Junction Box

- 40 Female / White (AMP_025_40F_W)



1. Y	IPS 2 (Tail) - Rear Combination Lamp (Out) RH, Rear Combination Lamp (In) RH	21. R	IPS 3 (ILL) - P/WDW Main Switch, Passenger Power Window Switch, Rear Power Window Switch L/R/H
2. G	IPS 7 (Tail) - License Lamp, Rear Combination Lamp (Out) LH, Rear Combination Lamp (In) LH	22. -	-
3. G/O	CLUSTER 10A - Smart Key Control Module (ALT - L)	23. W/B	IPS Control Module - ICM Relay Box (Rear Wiper Relay Control)
4. -	-	24. G/O	IPS Control Module - Driver Door Switch
5. W	BCM (Turn & Hazard Lamp Output) - Rear Combination Lamp (Out) LH, Driver Power Outside Mirror	25. P/B	IPS Control Module - Passenger Door Switch
6. -	-	26. Gr/B	IPS Control Module - Rear Door Switch RH
7. R	SMART KEY 10A - Smart Key Control Module	27. Y	IPS Control Module - Rear Door RH Lock/Unlock Signal
8. Y	ABAG 10A - Passenger Occupant Detection Sensor	28. P	IPS Control Module - Driver Door Key Unlock Signal
9. G	AUDIO 2 10A - AMP, Smart Key Control Module, Power Outside Mirror Switch	29. Br	IPS Control Module - Passenger Door Key Lock Signal
10. P	BCM (Turn & Hazard Lamp Output) - Rear Combination Lamp (Out) RH, Passenger Power Outside Mirror	30. G	IPS Control Module - Passenger Door Key Unlock Signal
11. W/B	TPMS 7.5A - ATM Shift Lever	31. Gr	IPS Control Module - Driver Door Lock/Unlock Signal
12. G	ROOM LP 10A - Luggage Lamp	32. W	IPS Control Module - Passenger Door Lock/Unlock Signal
13. -	-	33. Y	IPS Control Module - Rear Door LH Lock/Unlock Signal
14. -	-	34. R	IPS Control Module - Driver Door Key Lock Signal
15. -	-	35. Y/B	IPS Control Module - Smart Key Control Module, Tail Gate Handle Switch
16. -	-	36. Gr/B	IPS Control Module - Door Unlock Switch
17. O	IPS Control Module - Driver Seat Belt Buckle Switch	37. L/B	IPS Control Module - Door Lock Switch
18. -	-	38. -	-
19. Y/B	IPS Control Module - Rear Door Switch LH	39. W	IPS Control Module - Tail Gate Open Switch
20. Gr/O	IPS Control Module - Parking Brake Switch	40. -	-

I/P-E I/P Junction Box

- 20 Female / White (AMP_0925_20F_W)



8	7	6	5					4	3	2	1
20	19	18	17	16	15	14	13	12	11	10	9

1. R	Back-Up Lamp Relay - Rear Combination Lamp (IN) LH/RH	11. L/B	HTD MIRR 7.5A - Driver/Passenger Power Outside Mirror (Defogger)
2. -	-	12. L	WIPER RR 15A - Rear Wiper Motor
3. -	-	13. O	AMP 25A - AMP
4. -	-	14. G	E/R Fuse & Relay Box (RR HTD Relay) - Rear Defogger (+)
5. B	Ground (GF01)	15. R	P/SEAT (DRV) 20A - Driver Seat Manual Switch
6. O	P/WDW LH 25A - Power Window Main Switch	16. Y	SAFETY POWER WINDOW 20A - Safety Power Window Module
7. R	P/WDW RH 25A - Rear Power Window Switch RH	17. -	-
8. L	Door Unlock Relay - Passenger/Rear LH/Rear RH Door Lock Actuator	18. O	P/WDW LH 25A - Rear Power Window Switch LH
9. O	Door Lock Relay - Driver/Passenger Rear LH/Rear RH Door Lock Actuator	19. R	P/WDW 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

I/P-F I/P Junction Box

- 28 Female / White (AMP_025_28F_W)



14	13	12	11	10	9	8	7	6	5	4	3	2	1
28	27	26	25	24	23	22	21	20	19	18	17	16	15

1. R/O	TPMS 7.5A - 4WD ECM	13. -	-
2. R	TPMS 7.5A - Tire Pressure Monitoring Module	14. Gr/O	MODULE 2 10A - Electro Chromic 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 Ionizer, Sunroof Motor	24. G	HTD MIRR 7.5A - Rear Defogger Switch
		25. R/O	IPS 3 - Illuminations
		26. -	-
		27. W	MODULE 2 10A - PDM
		28. G	MODULE 2 10A - BCM

I/P-G I/P Junction Box

- 32 Female / White (AMP_025_32F_W)



16	15	14	13	12	11	10	9	8	7	6	5	4	3	2	1
32	31	30	29	28	27	26	25	24	23	22	21	20	19	18	17

1. -	-	17. -	-
2. Gr/O	CLUSTER 10A - Instrument Cluster (IND.), Console Switch	18. -	-
3. -	-	19. Gr	CLUSTER 10A - Audio
4. -	-	20. -	-
5. R/B	SMART KEY 10A - Fob Holder	21. W/B	SMART KEY 10A - Key Solenoid
6. -	-	22. R/O	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 Off Switch, DBC Switch, ICM Relay Box (DBC 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	A/BAG IND 10A - Instrument Cluster (Air Bag IND.)
12. -	-	28. P	A/CON 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_0925_18F_W)



7	6	5	4	3	2	1
18	17	16	15	14	13	12

1. R	IPS Control Module - B-CAN (Low)	9. B	Ground (GM02)
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	E/R Fuse & Relay Box (Blower Relay) - Blower Motor
6. Br	DR LOCK 15A - ICM Relay Box (Two Turn Unlock Relay)	14. P	ON/START Input
7. -	-	15. -	-
8. L	IPS Control Module - B-CAN (High)	16. L	A/BAG 10A - SRS Control Module, Telltale Lamp
		17. -	-
		18. -	-

I/P-J I/P Junction Box

- 16 Female / White (AMP_0925_16F_W)

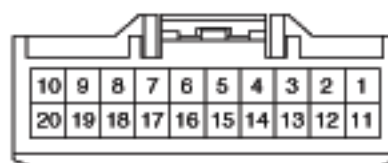


6	5	4	X				3	2	1
16	15	14	13	12	11	10	9	8	7

- | | |
|---|--|
| <p>1. G ROOM LP 10A -
Auto Light & Photo Sensor,
Data Link Connector, Map Lamp,
Room Lamp, Driver/Passenger
Vanity Lamp, Electro Chromic Mirror</p> <p>2. L POWER OUTLET 2 25A -
Cigarette Lighter & Front
Power Outlet</p> <p>3. R S/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 ACC/ON Input</p> <p>12. With Smart Key
R START Input
W/O Smart Key
G START Input</p> <p>13. L ON Input</p> <p>14. R
With 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 Box (Rear Wiper Relay)</p> <p>16. B Ground (GM01)</p> |
|---|--|

E/R-CHGA EMS Box

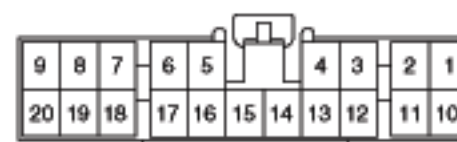
- 20 Female / White (AMP_090III_20F_W)



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/O	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

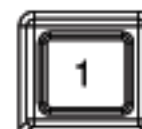
- 20 Female / White (KET_090III_20F_W)



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

E/R-EMS EMS Box

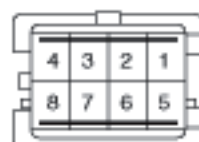
- 1 Female / N/A (CR01F070)



1. R	Multi Fuse - EMS 40A
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JC01 Joint Connector

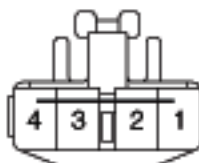
- 8 Female / Black (KET_070_08F_B_JCH)
- C-CAN Communication Line



- | | | | |
|------|------------------------------------|------|-------------------------------------|
| 1. O | Low - Data Link Connector | 5. G | High - Data Link Connector |
| 2. O | Low - PCM | 6. G | High - PCM |
| 3. O | Low - Multipurpose Check Connector | 7. G | High - Multipurpose Check Connector |
| 4. — | — | 8. — | — |

JC02 Joint Connector

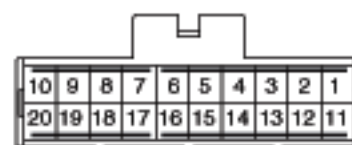
- 4 Female / White (KET_090II_04F_W)
- Stop Lamp



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

JM01 Joint Connector

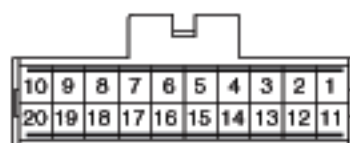
- 20 Female / Black (KET_090II_20F_B_JCH)
- B-CAN & C-CAN Communication Line



- | | | | |
|-------|---|-------|--|
| 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 ECM, Data Link Connector |
| 3. O | C-CAN (Low) - Instrument Cluster, EPS Control Module | 13. 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 ESC 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. — | — |
| 9. R | B-CAN (Low) - PDM, Smart Key Control Module | 18. L | B-CAN (High) - Instrument Cluster |
| | | 19. L | B-CAN (High) - PDM, Smart Key Control Module |
| 10. R | B-CAN (Low) - IPS Control Module, BCM | 20. L | B-CAN (High) - IPS Control Module, BCM |

JM02 Joint Connector

- 20 Female / Black (KET_090II_20F_B_JCH)
- Pin No. 1 ~ 10 : Rheostat ILL. (-) or Ground (GM01)
- Pin No. 11 ~ 20 : I/P Junction Box (IPS 3 Control)



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