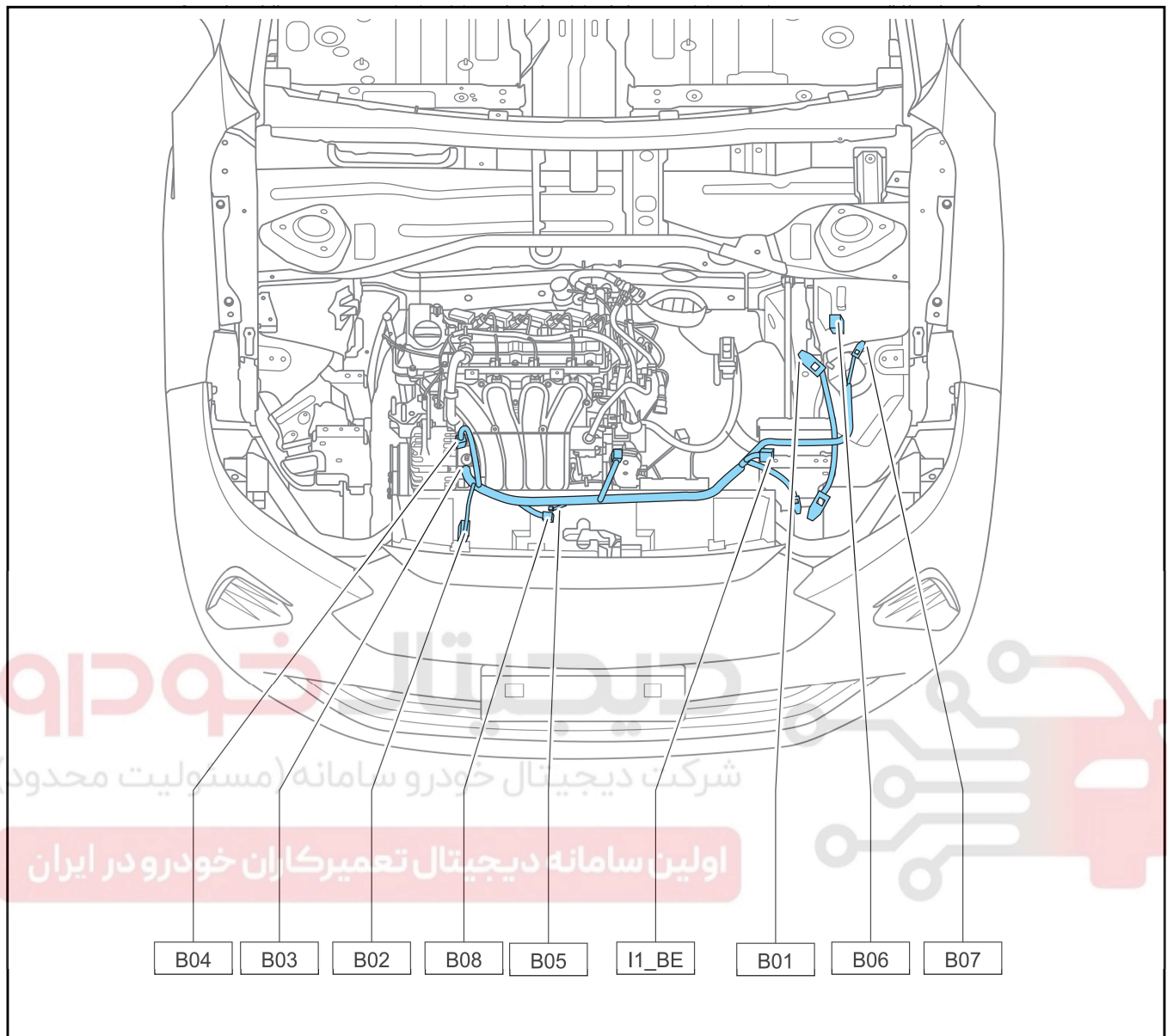


4.1 Power Supply Wiring Harness

4. Wiring Harness and Connector Layout

Layout Diagram of Power Supply Wiring Harness



Harness Connector	Name	Harness Connector	Name
B01	Battery Negative Connector	B06	ejb to Generator Connector
B02	A/C Compressor Connectrtor	B07	Battery to Starter Power Supplier Connector
B03	Generator bK Connector	B07	Starter Excitation Harness Connector
B04	Normal Generator Excitation Harness Connector	l1_BE	Power Supplier to Engine Harness
B05	Starter bK connector		

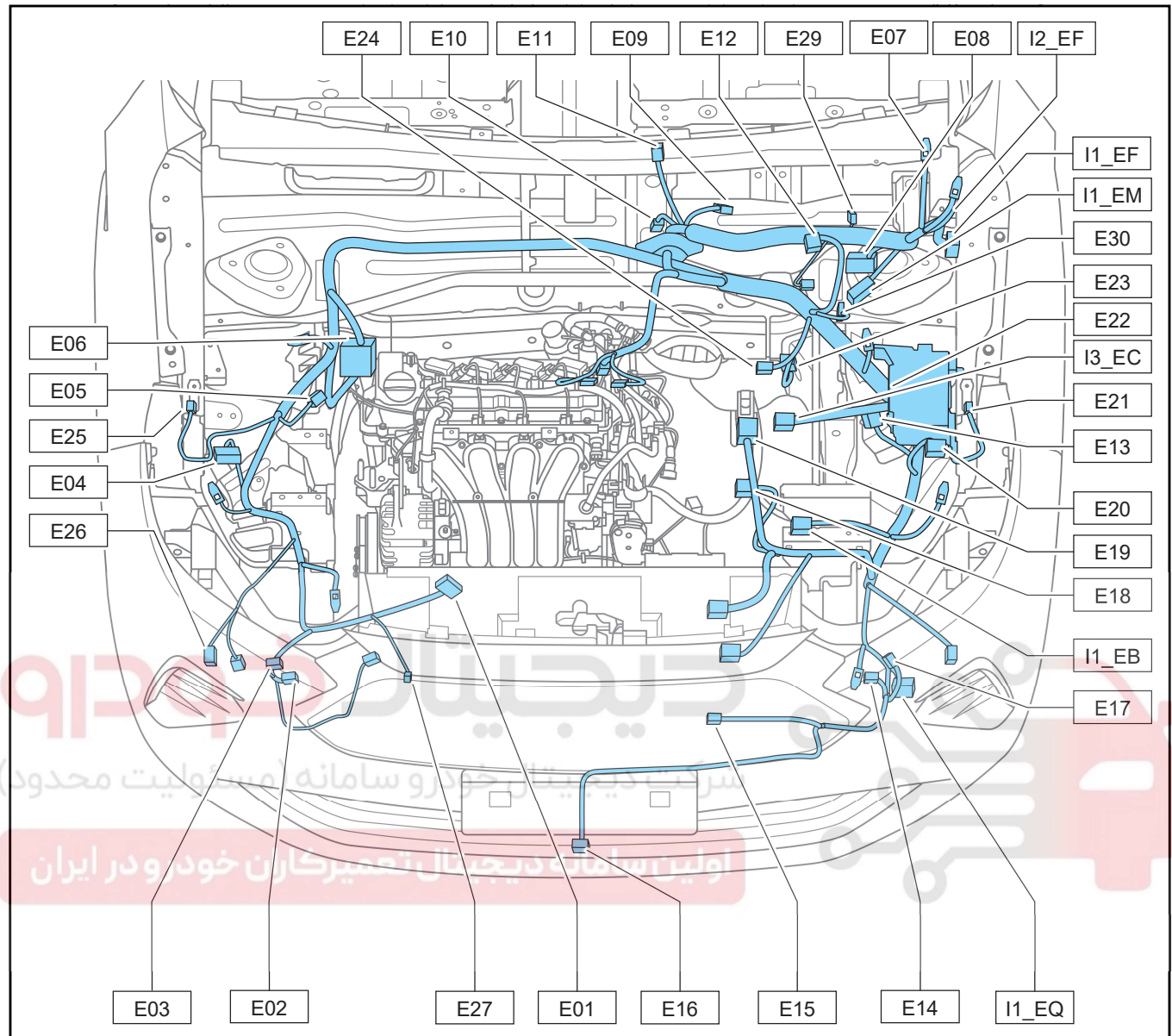
دیجیتال خودرو

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Layout of Engine Harness



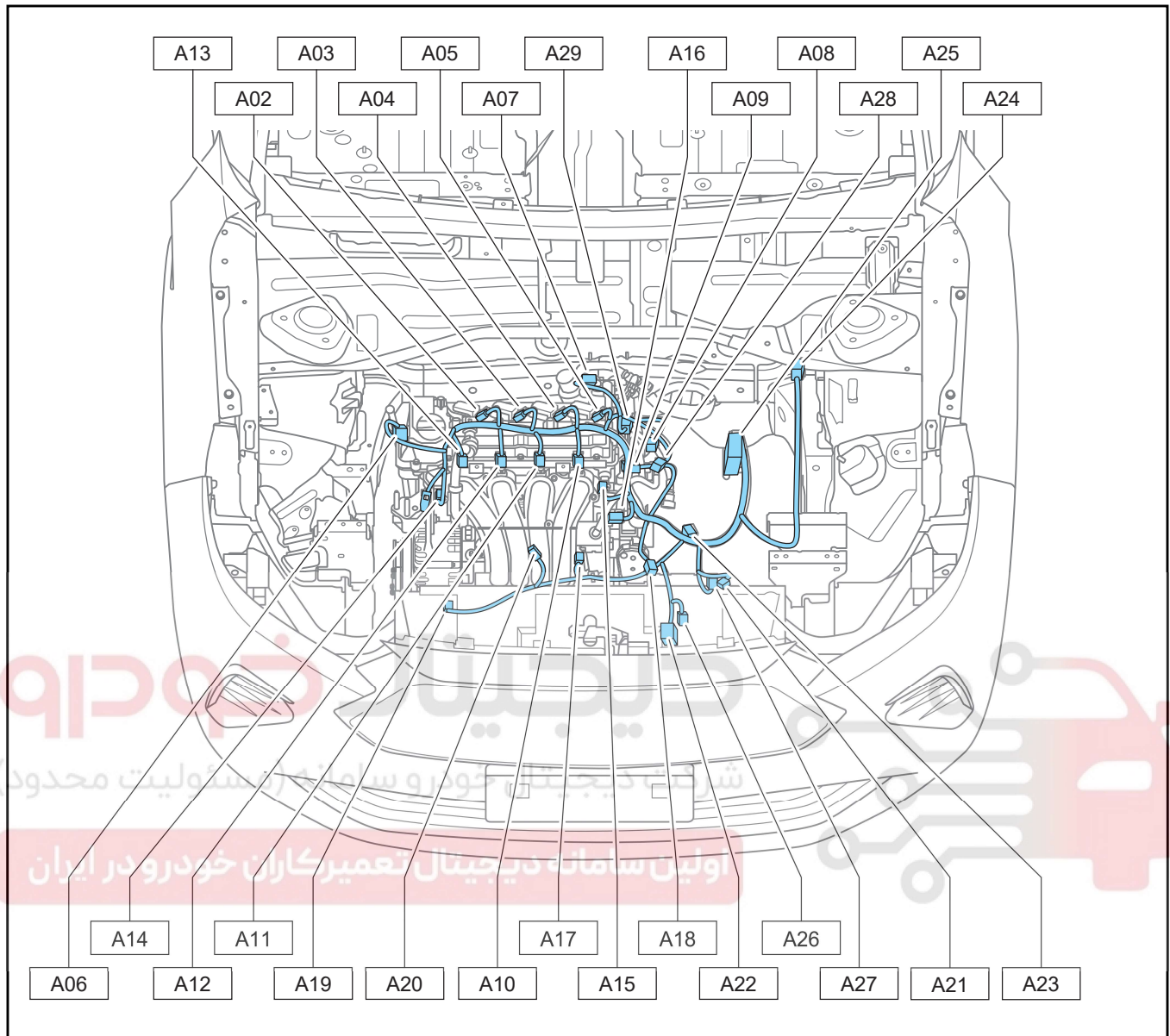
Harness Connector	Name	Harness Connector	Name
E01	1.5T Cooling Fan Harness Connector	E19	UAES 1.5T Emission VI Harness Connector
E02	High Pitched Horn Harness Connector	E20	Left Front Combination Light Harness Connector
E03	Right Front Collision Sensor Harness Connector	E21	ABS Left Front Wheel Speed Sensor Harness Connector
E04	Right Front Combination Light Harness Connector	E22	EJB to B+ Harness Connector
E05	Ternary Pressure Switch Harness Connector for 1.5T Engine	E23	Brake Vacuum Degree Sensor Harness Connector
E06	ESP Module Harness Connector	E24	Brake Liquid Level Sensor Harness Connector
E07	PFB to Cabin Electrical Junction Box Harness Connector	E25	ABS Right Front Wheel Speed Sensor Harness Connector
E08	TCU Harness Connector	E26	Washing Motor Harness Connector
E09	Braking Pedal Switch Harness Connector	E27	Coolant Temperature Harness Connector
E10	Accelerating Pedal Switch Harness Connector	E29	Switch Under the clutch Pedal Harness Connector
E11	EPS Motor Harness Connector	E30	Clutch Sensor Harness Connector
E12	Front Wiper Motor Harness Connector	11_EB	Engine Harness to Battery Harness
E13	Battery B+ Harness Connector	11_EF	Engine Harness to Body Harness 1
E14	Low Pitched Horn Harness Connect	11_EM	Engine Harness to Main Harness 1
E15	Ambient Temp Sensor Harness Connector	11_EQ	Engine Harness to Front Bumper Harness
E16	Millimeter Wave Radar Harness Connector	12_EF	Engine Harness to Body Harness 2
E17	Left Front Collision Sensor Harness Connector	13_EF	Engine Harness to Control Harness- 1.5TU
E18	Transmission Harness Connector		

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4.3 Engine Control Harness

Layout of Engine Control Harness



Harness Connector	Name	Harness Connector	Name
A02	Ignition Coil 1 Harness Connector	A16	MAP Sensor Harness Connector
A03	Ignition Coil 2 Harness Connector	A17	Oil Pressure Sensor Harness Connector
A04	Ignition Coil 3 Harness Connector	A18	Throttle Valve Harness Connector
A05	Ignition Coil 4 Harness Connector	A19	Hall Sensor Harness Connector
A06	Front Oxygen Sensor Harness Connector	A20	Intake Air Pressure and temp sensor(after turbo) Harness
A07	Pressure Sensor Harness Connector	A21	RCVS ensor Harness Connector
A08	Canister Sensor Harness Connector	A22	
A09	Coolant Temperature Harness Connector	A23	Reversing Lamp Harness Connector
A10	Injection 4 Harness Connector	A24	To Vehicle Harness Connector
A11	Injection 3 Harness Connector	A25	ECU-Engine Harness Connector
A12	Injection 2 Harness Connector	A26	Electrical Vacuum Pump Harness Connector
A13	Injection 1 Harness Connector	A27	N gear Sensor Harness Connector
A14	Intake OCV Harness Connector	A28	Pressure Sensor Harness Connector
A15	Intake Camshaft Position Sensor Harness Connector	A29	Rear Oxygen Sensor Harness Connector

دیجیتال خودرو

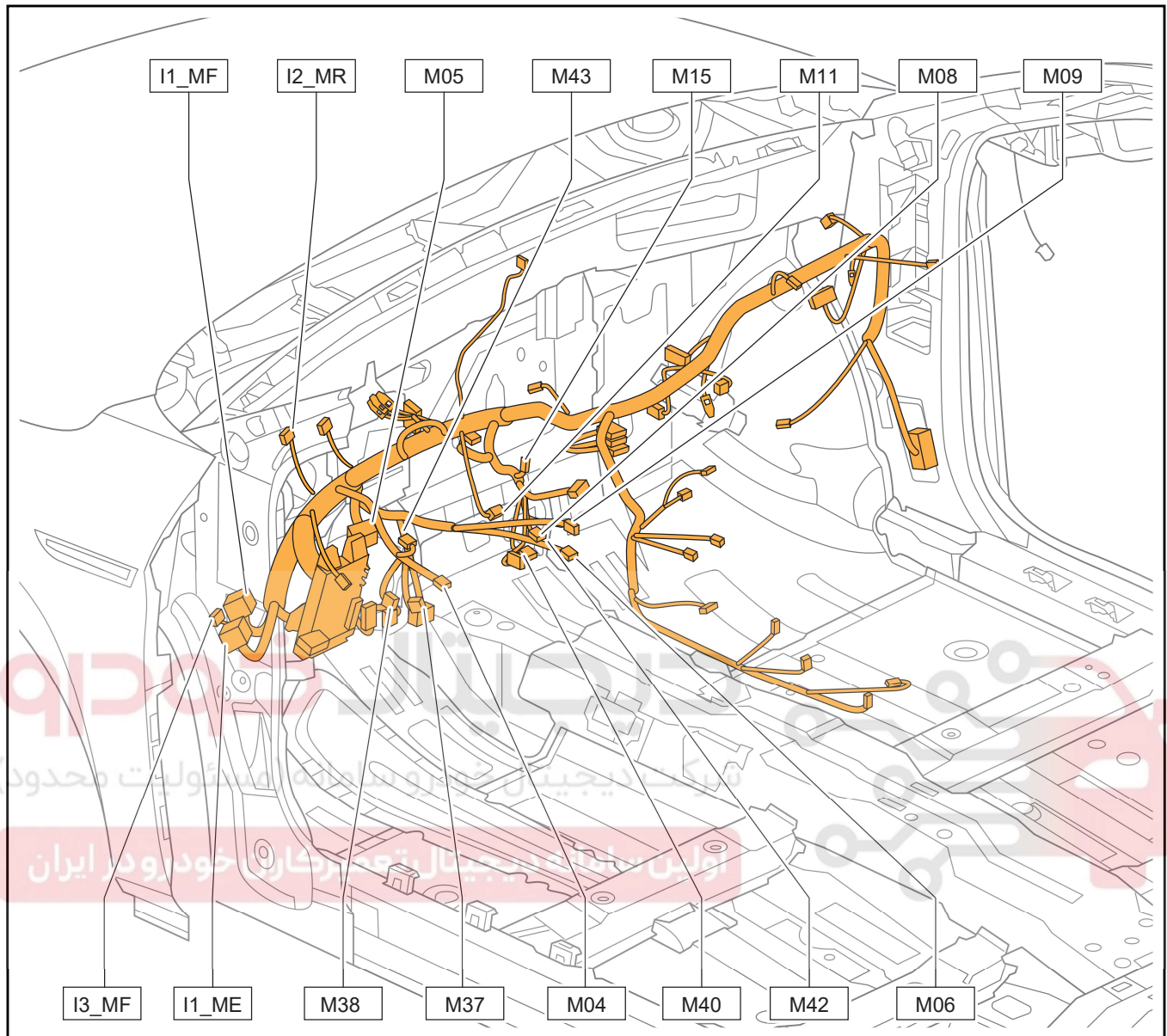
شرکت دیجیتال خودرو سامانه (مسئولیت محدود)

اولین سامانه دیجیتال تعمیرکاران خودرو در ایران

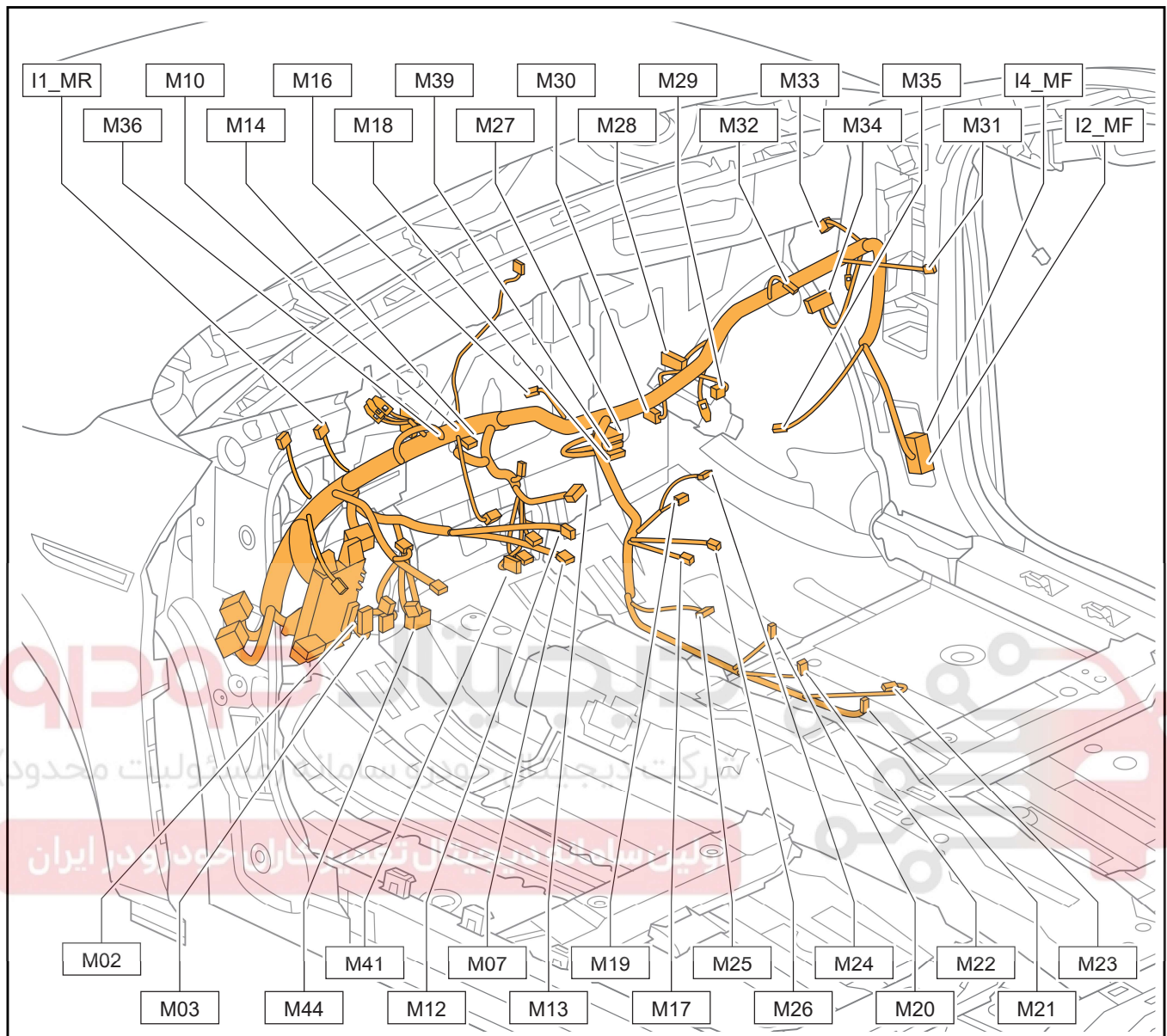


4.4. Main Harness

Layout of Main Harness



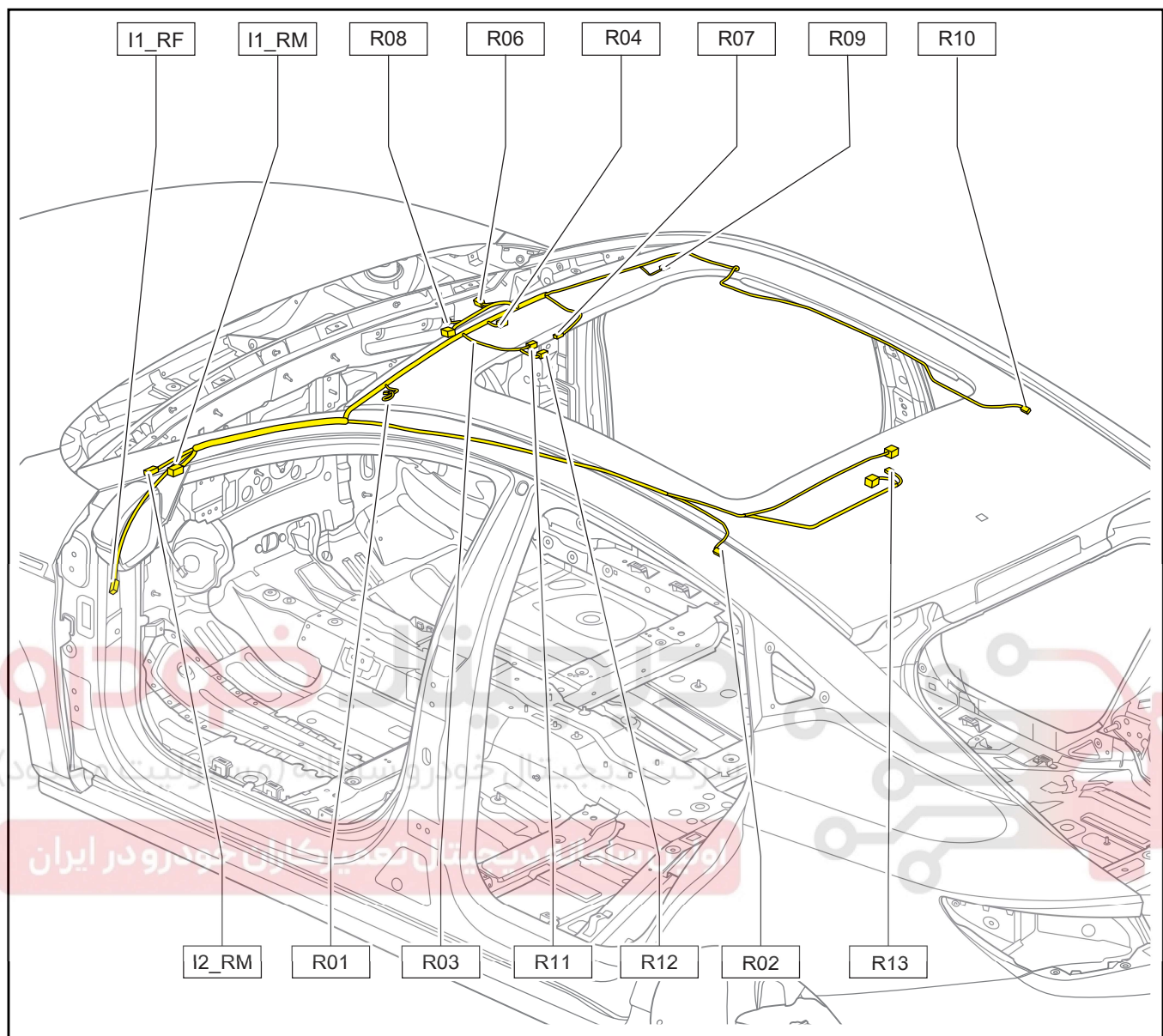
Layout of Main Harness



Harness Connector	Name	Harness Connector	Name
M02	BCM C3 Harness Connector	M27	MP5 Screen -C3 Harness Connector
M03	BCM C4 Harness Connector	M28	A/C Control Box Harness Connector
M04	Center Console Switch Harness Connector	M29	Atmosphere lamp Controller Harness Connector
M05	BCM C1 Harness Connector	M30	Front A/C Regulator Module Harness Connector
M06	Combination Switch-Light Harness Connector	M31	Atmosphere lamp on dashboard Harness Connector
M07	Clock Spring-Horn Harness Connector	M32	Driver Front Air Bag Harness Connector
M08	Clock Spring-Air Bag Harness Connector	M33	Inner/Outer circulation mode conversion actuator
M09	ESC Turning Angle Sensor Harness Connector	M34	T-Box Harness Connector
M10	Cooling/Heating mode Conversion Harness Connector	M35	Front Blower Motor Harness Connector
M11	Temp Damper Actuator Harness Connector	M36	Cluster Harness Connector
M12	Inside Temp Sensor Harness Connector	M37	Rear View Mirror Switch Harness Connector
M13	Combination Switch-Wiper Harness Connector	M38	Headlight Position Adjusting Switch Harness Connector
M14	Evaporator Temp Sensor Harness Connector	M39	MP5 Screen -C2 Harness Connector
M15	EPS Module Signal Harness Connector	M40	Electrical Steering Column Harness Connector
M16	X-Call Speaker Harness Connector	M41	Ignition Switch-Main Harness Connector
M17	MP5 Screen Harness Connector	M42	Key Lighting Harness Connector
M18	MP5 Screen -C1 Harness Connector	M43	Anti-theft coil Harness Connector
M19	PEPS Low Frequency Antenna 1 Harness Connector	M44	Diagnosis Connector Harness Connector
M20	PEPS Switch Harness Connector	I1_ME	Main Harness to Engine Harness 1
M21	EPB Switch Harness Connector	I1_MF	Main Harness to Body Harness 1
M22	Center Console Switch(ESC/Warning Lamp Switch) Harness Connector	I1_MR	Main Harness to Roof Harness
M23	Gear Shifting(CVT) Harness Connector	I2_MF	Main Harness to Body Harness II
M24	Wireless Charger Harness Connector	I2_MR	Main Harness to Roof Harness II
M25	left Front USB Charger Port Harness Connector	I3_MF	Main Harness to Body Harness III
M26	Front Vehicle Power Supplier Harness Connector	I4_MF	Main Harness to Body Harness 4, Airbag Connector

4.5 Roof Harness

Layout of Roof Harness



Harness Connector	Name	Harness Connector	Name
R01	Left Sun Visor lamp Harness Connector	R10	Right Rear Side Wall lamp Harness Connector
R02	Left Rear Side Wall lamp Harness Connector	R11	Front Cabin lamp Harness Connector
R03	Spare Driving Record Harness Connector	R11	Panoramic sunroof lamp(with SOS) Harness Connector
R04	USB Driving Record Harness Connector	R12	Sunroof Module Harness Connector
R06	Sun&Rain Sensor Harness Connector	R13	Rear Roof Lamp Harness Connector
R07	Voice Module Harness Connector	I1_RF	Roof Harness to Body Harness I
R08	MPC Harness Connector	I1_RM	Roof Harness to Main Harness I
R09	Right Sun Visor Lamp Harness Connector	I2_RM	Roof Harness to Main Harness II

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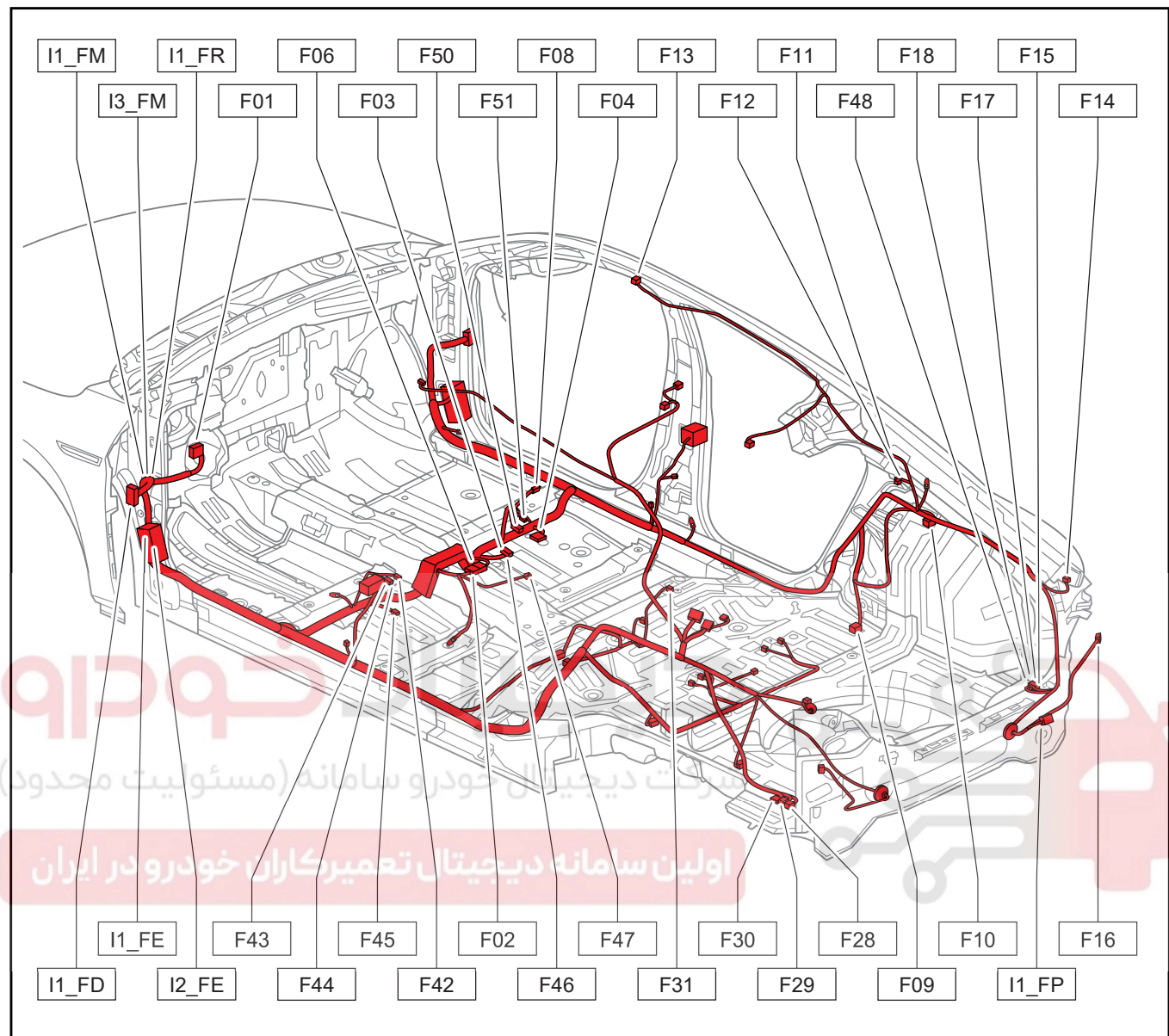
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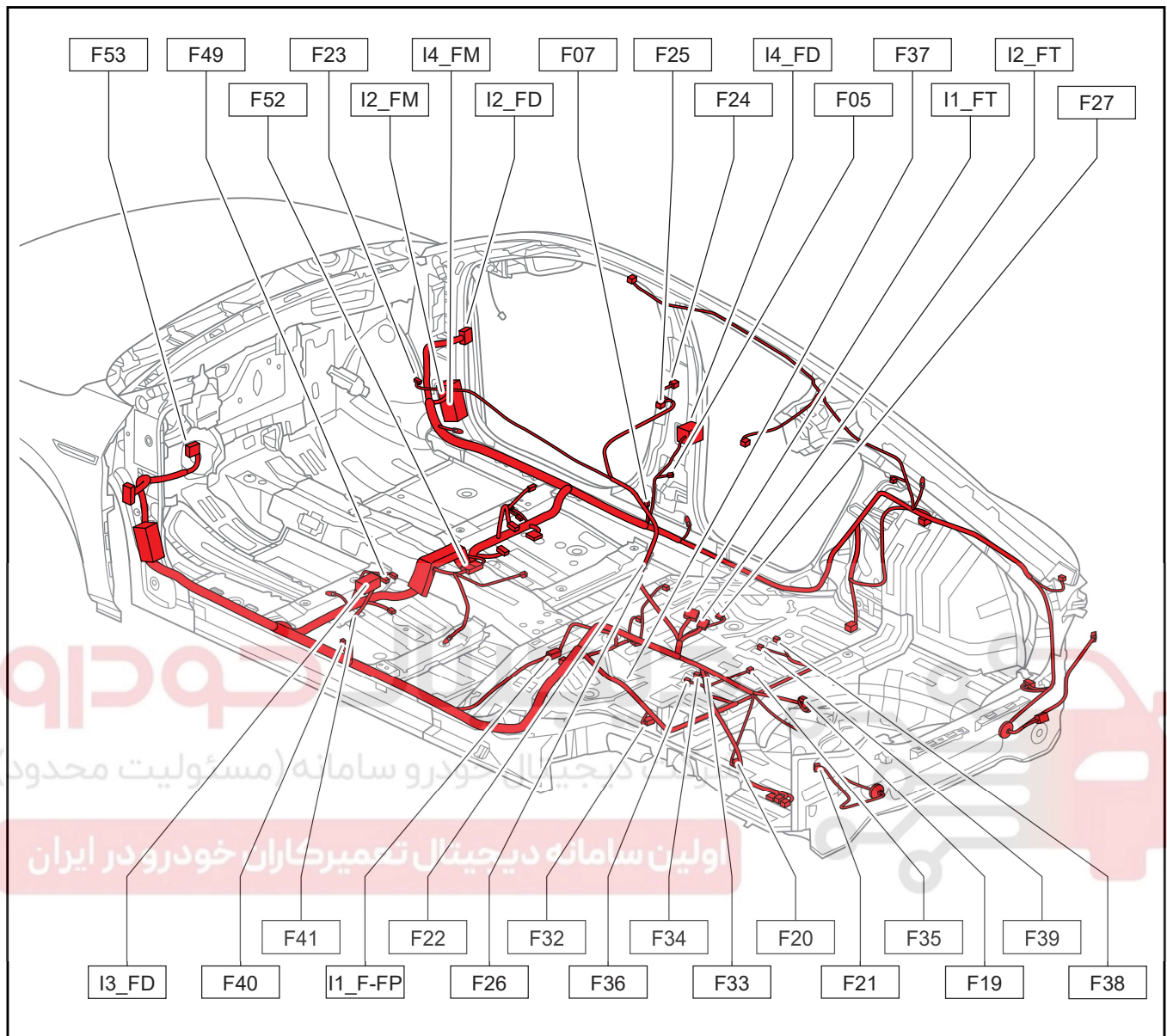


4.6 Body Harness

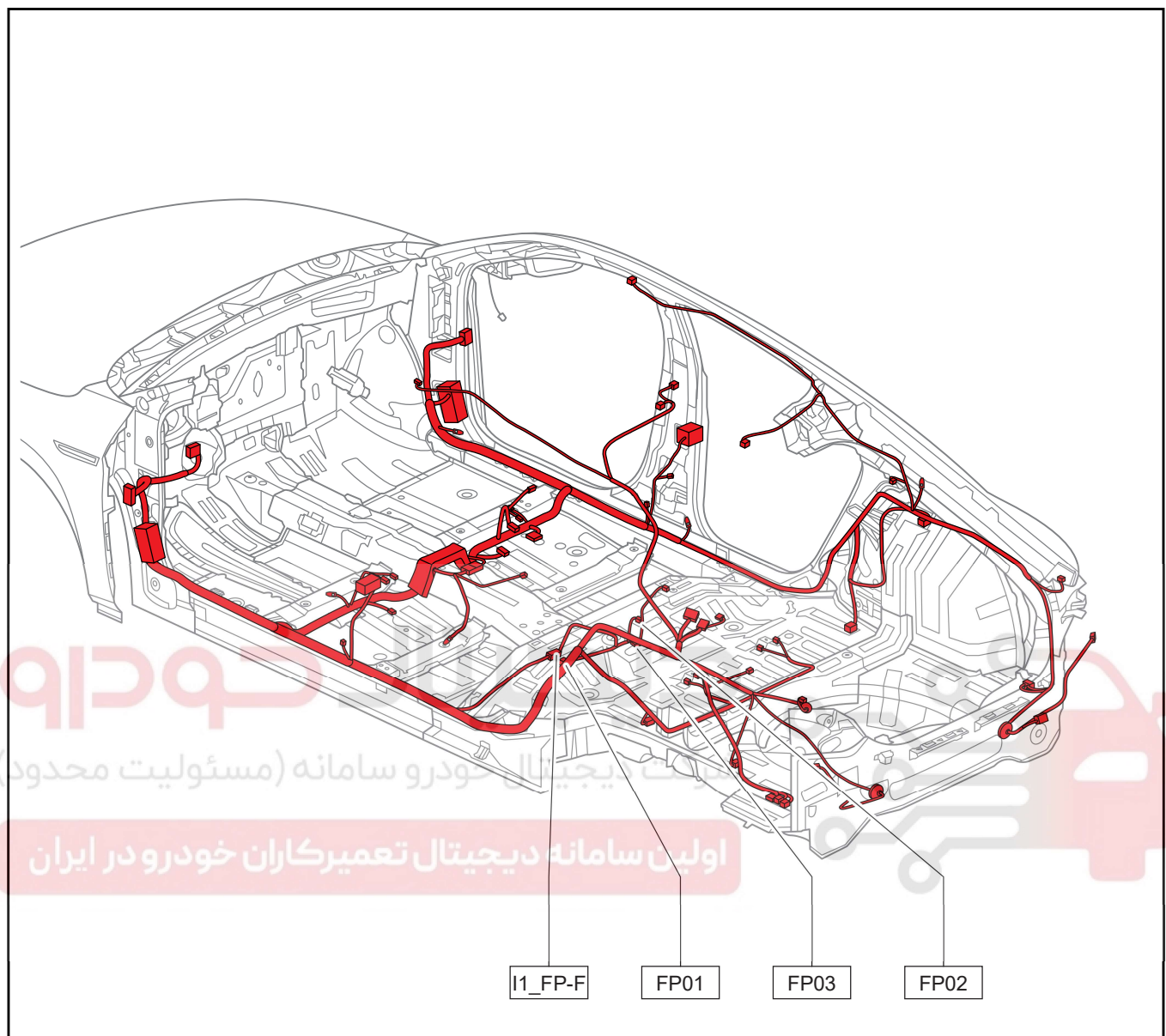
Layout of Body Harness



Layout of Body Harness



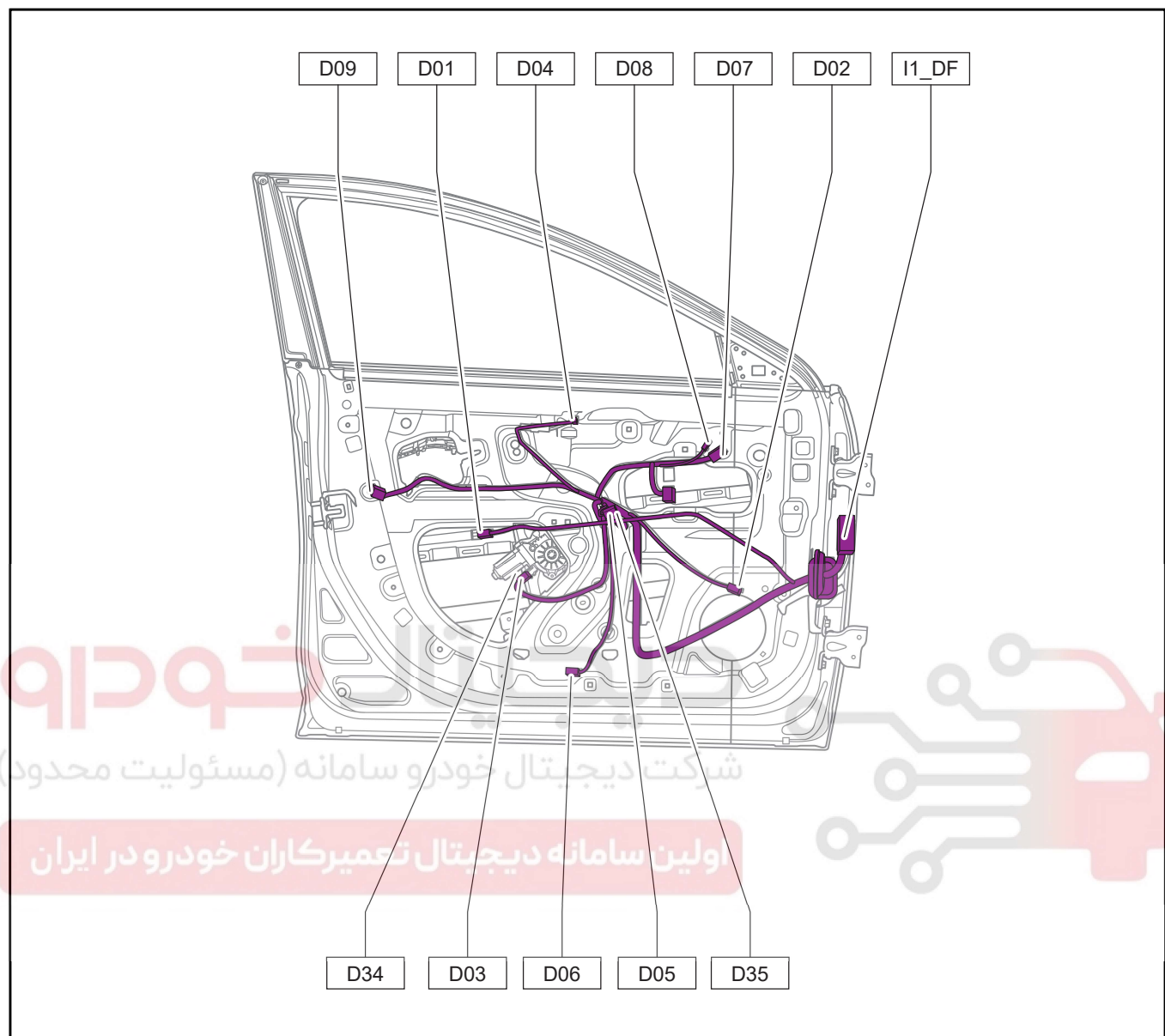
Layout of Body Harness



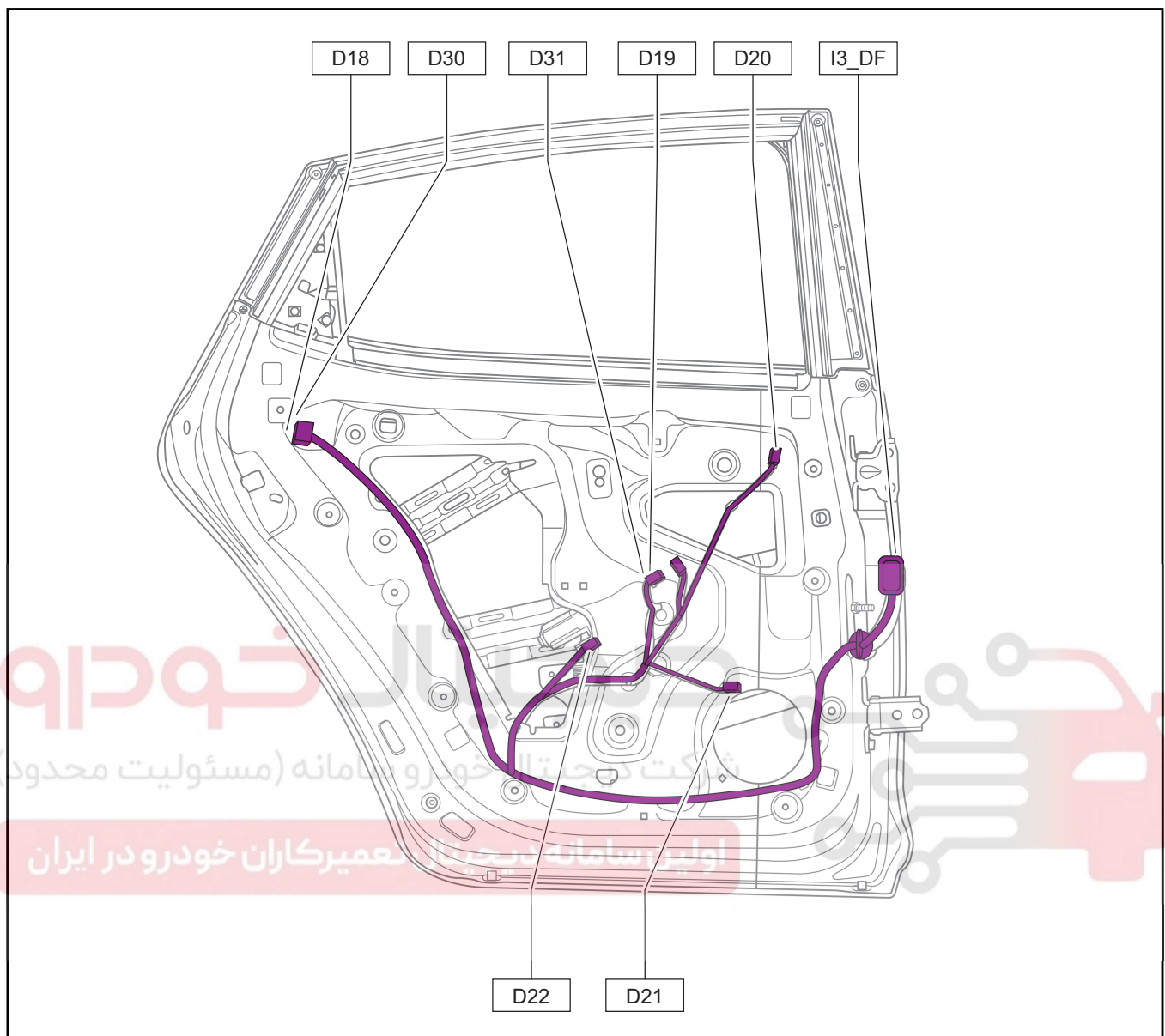
Harness Connector	Name	Harness Connector	Name
F01	BCM C2 Module Harness Connector	F37	Left Rear Safety Belt Switch Harness Connector
F02	Air Bag Connector 1 Harness Connector	F38	Right Rear Safety Belt Switch Harness Connector
F03	Electrical Window Anti Pinch Module C2	F39	Left Rear Seat Sensor Harness Connector
F04	Electrical Window Anti Pinch Module C1	F40	Left Side Collision Sensor Harness Connector
F05	Copilot Safety Belt Pre-tightening Device Harness Connector	F41	Driver's Safety Belt Pre-tightening Device Harness Connector
F06	Air Bag Module B (High Spec)Harness Connector	F42	Driver's Safety Belt Switch Harness Connector
F07	Right Side Collision Harness Connector	F43	Electrical Seat Harness Connector
F08	Right Side Air Bag Harness Connector	F44	Left Side Air Bag Harness Connector
F09	Right EPB Harness Connector	F45	High Signal 360° Panorama Harness Connector
F10	Fuel Diagnosis Harness Connector	F46	PEPS Spare Antenna Harness Connector
F11	Electrical Strut 2 Harness Connector	F47	Rear Row USB Port Harness Connector
F12	Right Rear Safety Belt Pre-tightening Device Harness Connector	F48	Reversing Radar Module Harness Connector
F13	Right Side Air Curtain Harness Connector	F49	Electrical Seat (Without Heating) Harness Connector
F14	Right Rear Combination Light Harness Connector	F50	Passenger's Safety Belt Switch Harness Connector
F15	Semi-Auto Parking Module Harness Connector	F51	Copilot's Seat Sensor Harness Connector
F16	Right Blind Spot Monitoring Harness Connector	F52	Air Bag Module(Low Spec)Harness Connector
F17	Semi-automatic Parking Module Harness Connector	F53	BCM-C5 Harness Connector
F18	Semi-automatic Parking Module Harness Connector	FP01	Fuel Pump Controller
F19	Left Rear Combination Light Harness Connector	FP02	Fuel Pressure Sensor
F20	Trunk Power Supplier Harness Connector	FP03	Fuel Pump
F21	Left Blind Spot Monitoring Harness Connector	I1_FD	Body Harness to Left Front Door Harness
F22	Children Monitoring Harness Connector	I1_FE	Body Harness to Engine Harness 1
F23	Left Side Air Curtain Harness Connector	I1_F-FP	Body Harness to Fuel Tank Harness
F24	Panorama Sunroof Harness Connector	I1_FM	Body Harness to Main Harness 1
F25	Panorama Sunroof Curtain Harness Connector	I1_FP	Body Harness to Reversing Radar Harness
F26	Electrical Strut 1 Harness Connector	I1_FR	Body Harness to Roof Harness
F27	Trunk Lamp Harness Connector	I1_FT	Body Harness to Tail Door Transition Harness
F28	Electrical Tail Door Controller 1 Harness Connector	I1_FP-F	Fuel Tank Harness to Body Harness
F29	Electrical Tail Door Controller 2Harness Connector	I2_FD	Body Harness to Right Front Door Harness
F30	Electrical Tail Door Controller 3 Harness Connector	I2_FE	Body Harness to Engine Harness 2
F31	Left Rear Safety Belt Pre-tightening Device Harness Connector	I2_FM	Body Harness to Main Harness 2
F32	Left EPB Harness Connector	I2_FT	Body Harness to Tail Door Transition Harness 2
F33	Left Rear Middle Seat Sensor Harness Connector	I3_FD	Body Harness to Left Rear Door Harness
F34	Left Rear Middle Safety Belt Switch Harness Connector	I3_FM	Body Harness to Main Harness 3
F35	PEPS Low Frequency Antenna 2 Harness Connector	I4_FD	Body Harness to Right Rear Door Harness
F36	Left Rear Seat Sensor Harness Connector	I4_FM	Body Harness to Main Harness 4/ Air Bag Harness

4.7 Door Harness

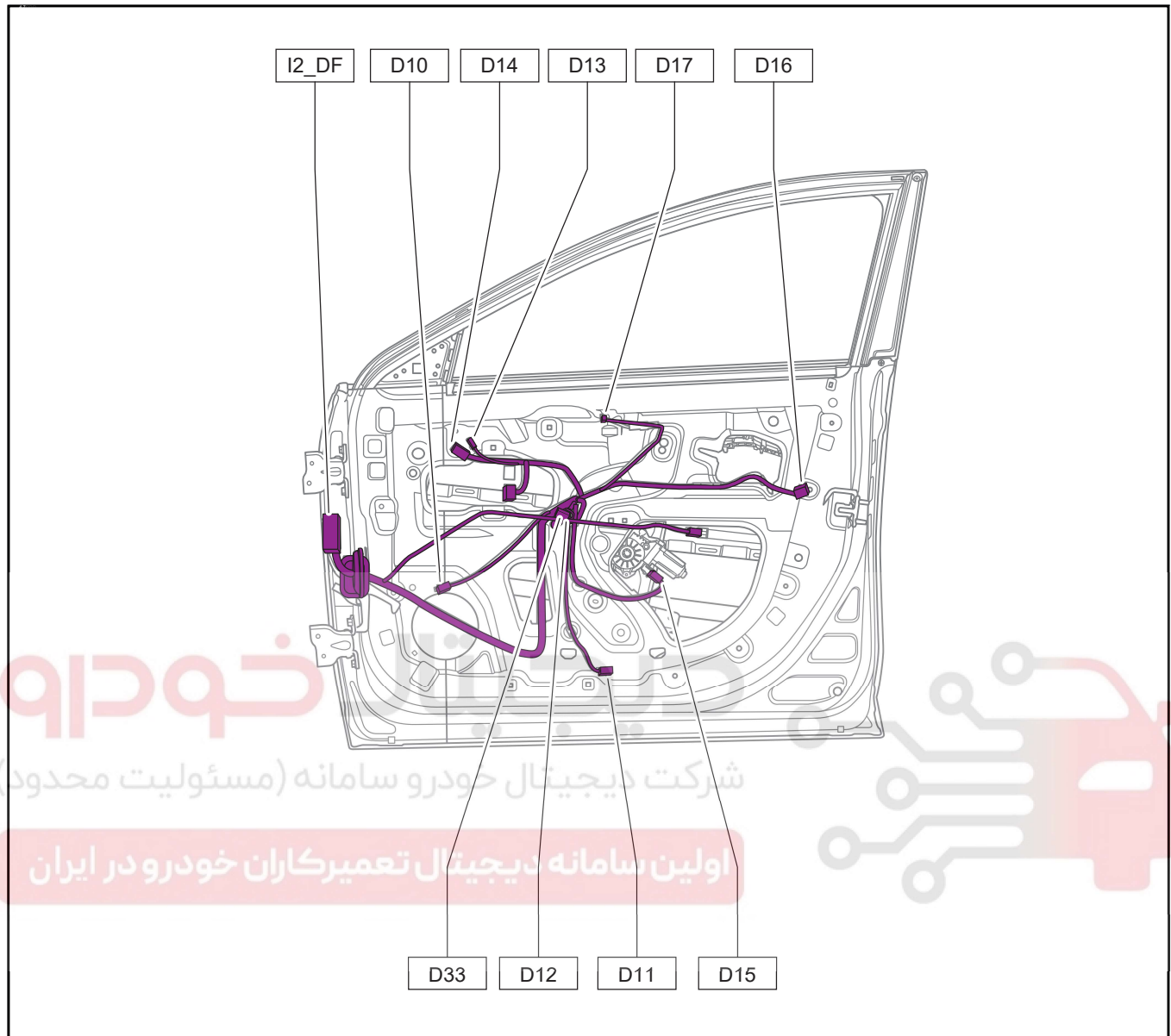
Layout of Left Front Door Harness



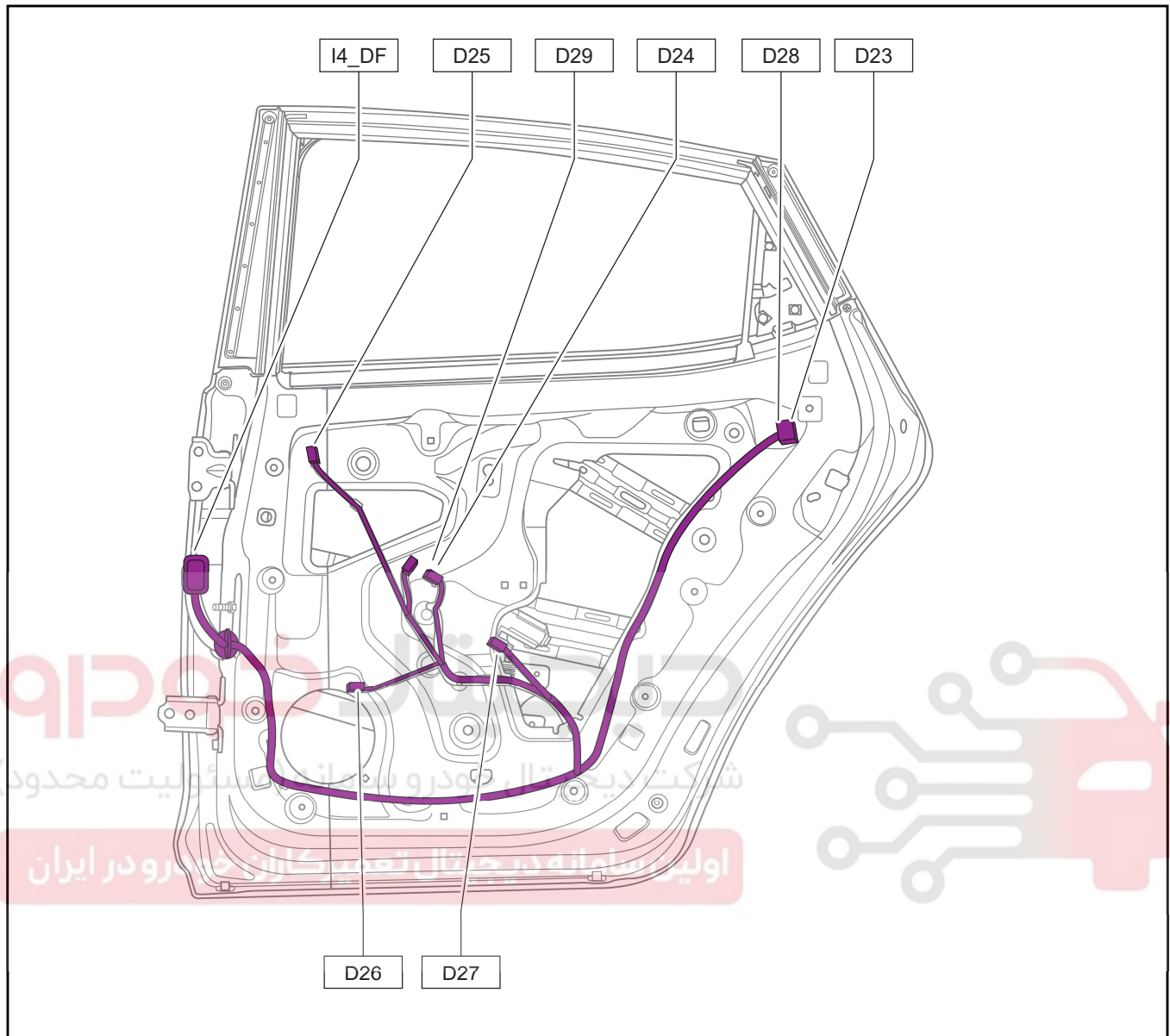
Layout of Left Rear Door Harness



Layout of Right Front Door Harness



Layout of Right Rear Door Harness

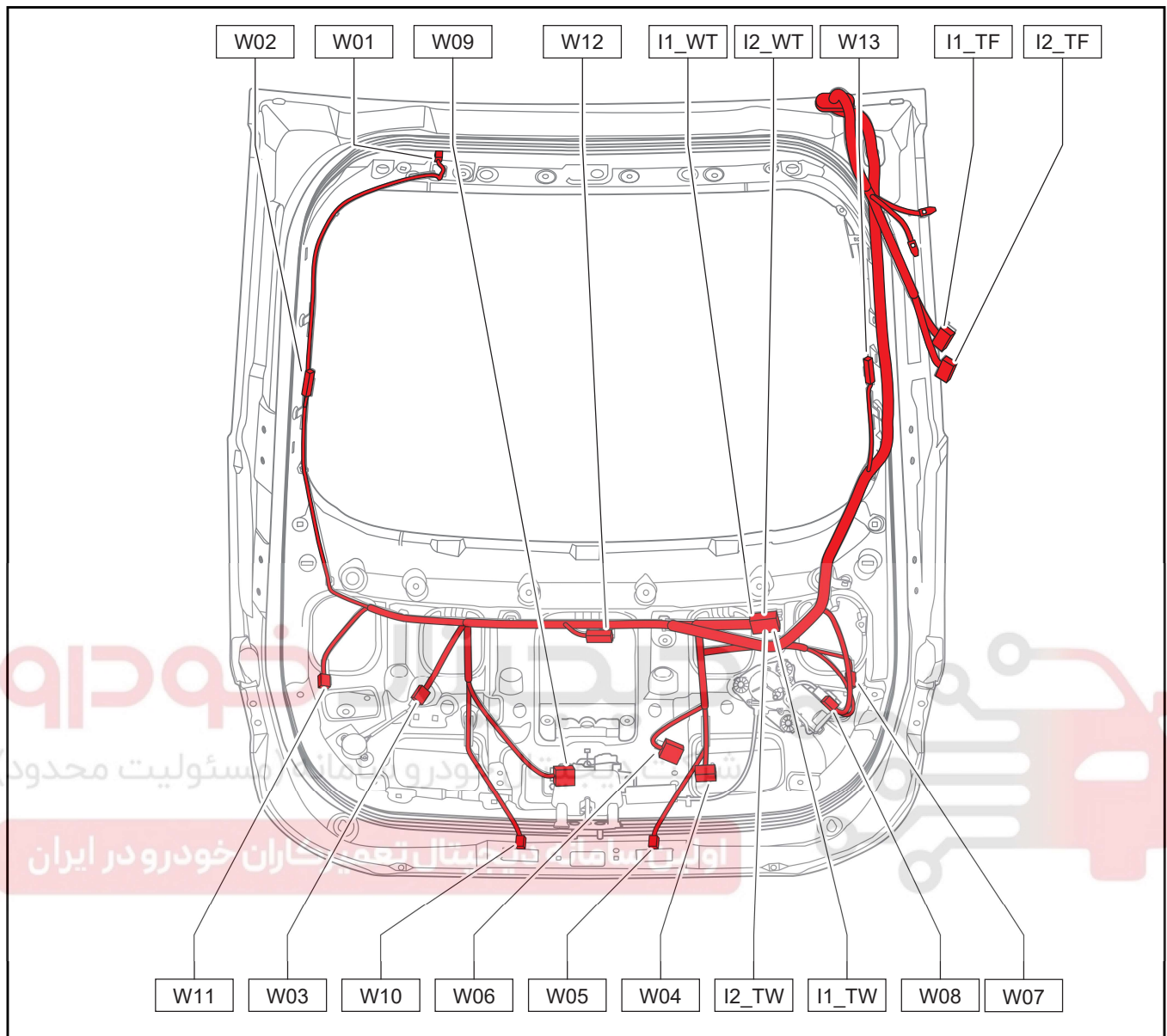


Harness Connector	Name	Harness Connector	Name
D01	Left Front Door Knob Sensor Harness Connector	D20	Left Rear Door High Pitched Horn Harness Connector
D02	Left Front Door Low Pitched Horn Harness Connector	D21	Left Rear Low Pitched Horn Harness Connector
D03	Left Front Window Motor (High Spec)Harness Connector	D22	Left Rear Window Motor Harness Connector
D04	Left Front Atmosphere Lamp Harness Connector	D23	Electrical Right Rear Door Lock Harness Connector
D05	Left Front Window Switch(High Spec)Harness Connector	D24	Right Rear Window Switch(High Spec)Harness Connector
D06	Left Front Door Lamp Harness Connector	D25	Right Rear High Pitched Horn Harness Connector
D07	Left Rear View Mirror Harness Connector	D26	Right Rear Low Pitched Horn Harness Connector
D08	Left Front Door High Pitched Horn Harness Connector	D27	Right Rear Window Motor Harness Connector
D09	Left Front Door Lock Harness Connector	D28	Right Rear Door Lock Harness Connector
D10	Right Front Door Low Pitched Horn Harness Connector	D29	Right Rear Window Switch(Low Spec)Harness Connector
D11	Right Front Door Lamp Harness Connector	D30	Left Rear Door Lock Harness Connector
D12	Right Front Window Switch(High Spec)Harness Connector	D31	Left Rear Window Switch(Low Spec)Harness Connector
D13	Right Front Door High Pitched Horn Harness Connector	D33	Right Front Window Switch(Low Spec)Harness Connector
D14	Right Rear View Mirror Harness Connector	D34	Left Front Window Motor(Low Spec)Harness Connector
D15	Right Front Window Motor Harness Connector	D35	Left Front Window Main Switch (Low Spec) Harness Connector
D16	Right Front Door Lock Harness Connector	I1_DF	Left Front Door to Body Harness
D17	Right Front Atmosphere Lamp Harness Connector	I2_DF	Right Front Door to Body Harness
D18	Electrical Left Rear Door Lock Harness Connector	I3_DF	Left Rear Door to Body Harness
D19	Left Rear Window Switch(High Spec) Harness Connector	I4_DF	Right Rear Door to Body Harness

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Layout of Tail Door Harness



Harness Connector	Name	Harness Connector	Name
W01	High Position Brake Lamp Harness Connector	W11	Right Rear Inner Combination Light Harness Connector
W02	Rear Defrost Heating Coil Negative Harness Connector	W12	Reversing Camera Harness Connector
W03	Electrical Tail Door Speaker Harness Connector	W13	Rear Defrost Heating Coil Positive Harness Connector
W04	Tail Door Close Switch Harness Connector	I1_TF	Tail Door Transition Line to Body Harness
W05	Left License Lamp Harness Connector	I1_TW	Tail Door Transition Line to Tail Door Harness
W06	Tail Door Switch Harness Connector	I1_WT	Tail Harness to Tail Door Transition Line
W07	Left Rear Inner Combination Lamp Harness Connector	I2_TW	Tail Door Transition Line to Body Harness
W08	Tail Door Lock Motor Harness Connector	I2_TF	Tail Door Transition Line to Tail Door Harness
W09	Trunk Lock Harness Connector	I2_WT	Tail Harness to Tail Door Transition Line
W10	Right License Lamp Harness Connector		

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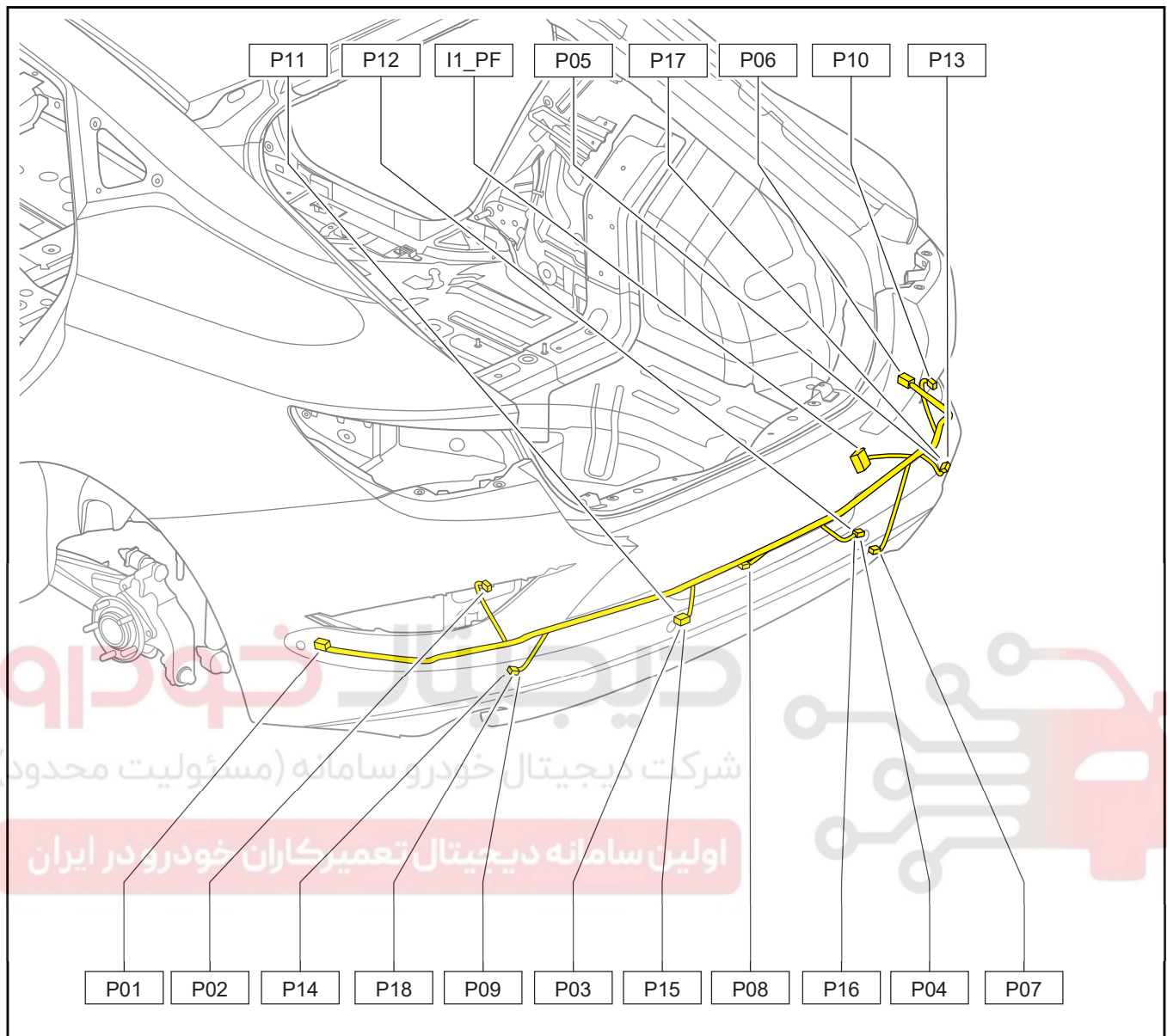
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4.8.Rear Bumper Harness

Layout of Rear Bumper Harness



Harness Connector	Name	Harness Connector	Name
P01	Left Rear Auto Parking Sensor Harness Connector	P11	Left Rear Middle Reversing Radar Sensor Harness Connector
P02	Left Rear Fog Lamp Harness Connector	P12	Right Rear Middle Reversing Radar Sensor Harness Connector
P03	Left Rear Middle Sensor Harness Connector	P13	Right Rear Reversing Radar Sensor Harness Connector
P04	Right Rear Middle Sensor Harness Connector	P14	Left Rear Reversing Radar Sensor Harness Connector
P05	Right Rear Sensor Harness Connector	P15	Left Rear Middle Reversing Radar Sensor (low Spec)Harness Connector
P06	Right Rear Auto Parking Sensor Harness Connector	P16	Right Rear Middle Reversing Radar Sensor (low Spec)Harness Connector
P07	Kick Sensor Harness Connector	P17	Right Rear Reversing Radar Sensor (low Spec)Harness Connector
P08	PEPS Low Frequency Antenna 3 Harness Connector	P18	Left Rear Reversing Radar Sensor (low Spec) Harness
P09	Left Rear Sensor Harness Connector	I1_PF	Reversing Radar Harness to Body Harness
P10	Right Rear Fog Lamp Harness Connector		

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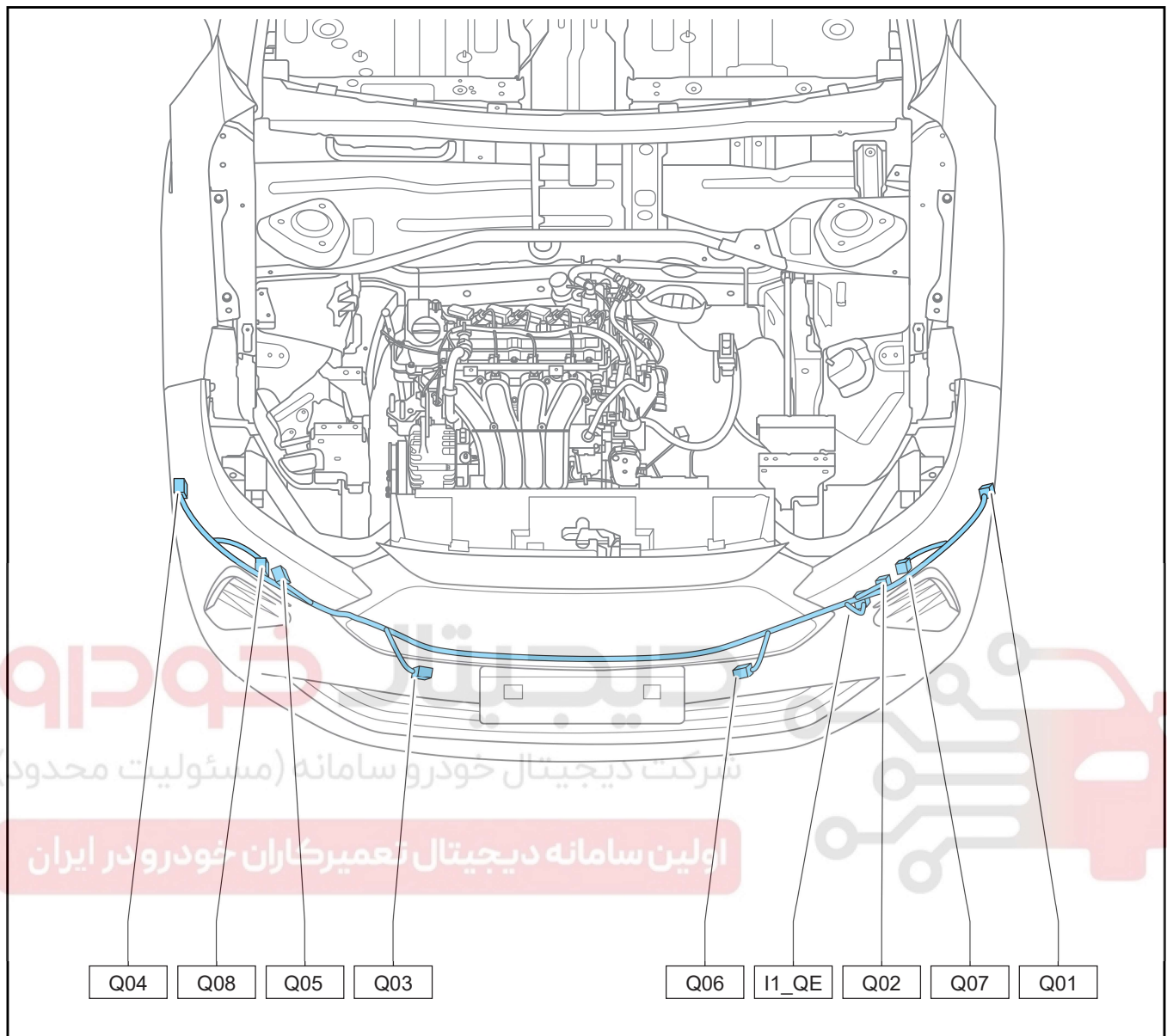
شرکت دیجیتال خودرو سامانه (مسئولیت محدود)

اولین سامانه دیجیتال تعمیرکاران خودرو در ایران



4.9 Front Bumper Harness

Layout of Front Bumper Harness



Harness Connector	Name	Harness Connector	Name
Q01	Left Front Auto Parking Sensor Harness Connector	Q06	Left Front Sensor Harness Connector
Q02	Left Front Middle Sensor Harness Connector	Q07	Left Front Radar Sensor Harness Connector
Q03	Right Front Sensor Harness Connector	Q08	Right Front Radar Sensor Harness Connector
Q04	Right Front Auto Parking Sensor Harness Connector	I1_QE	Front Bumper to Engine Harness
Q05	Right Front Middle Sensor Harness Connector		

دیجیتال خودرو

شرکت دیجیتال خودرو سامانه (مسئولیت محدود)

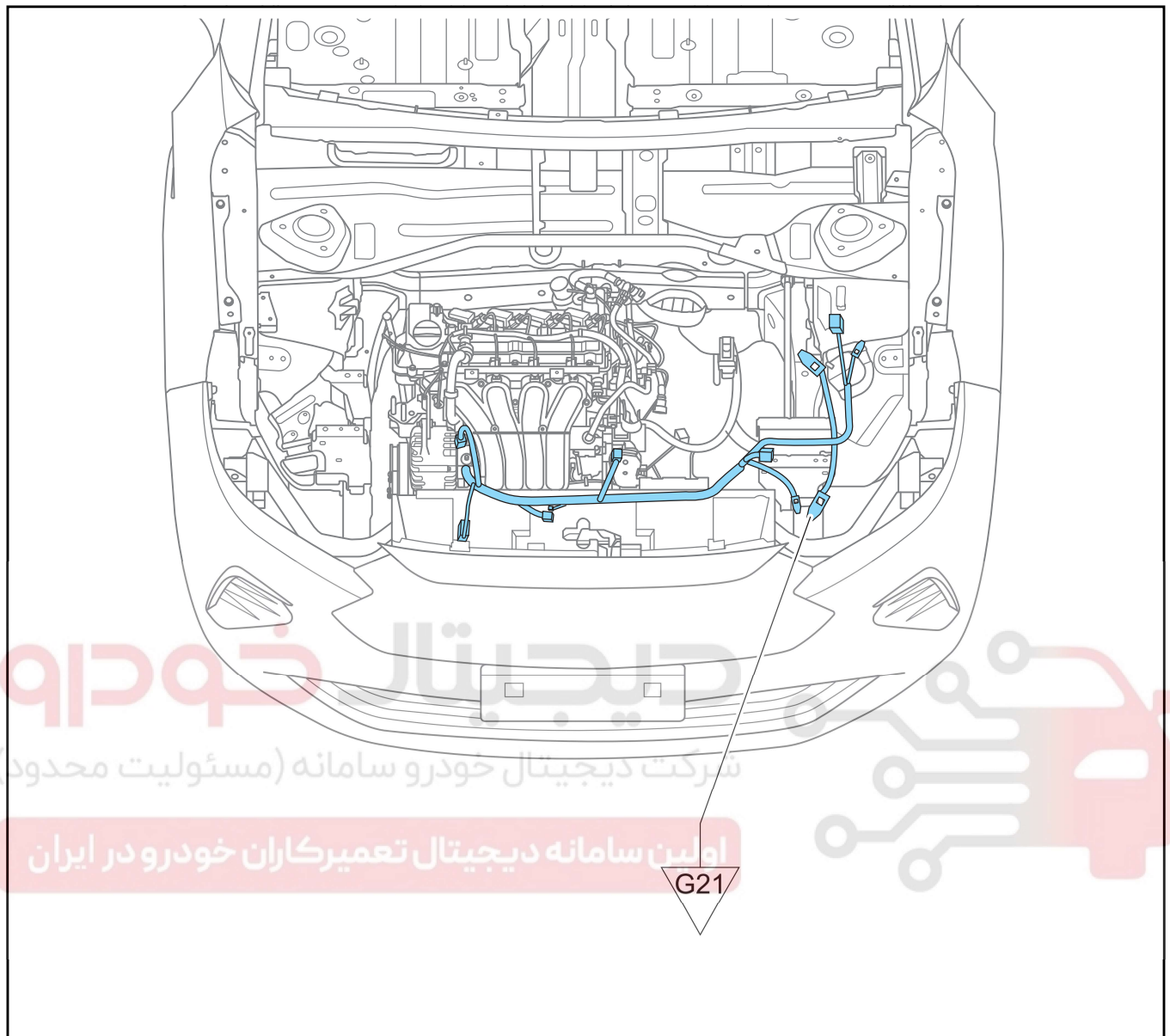
اولین سامانه دیجیتال تعمیرکاران خودرو در ایران



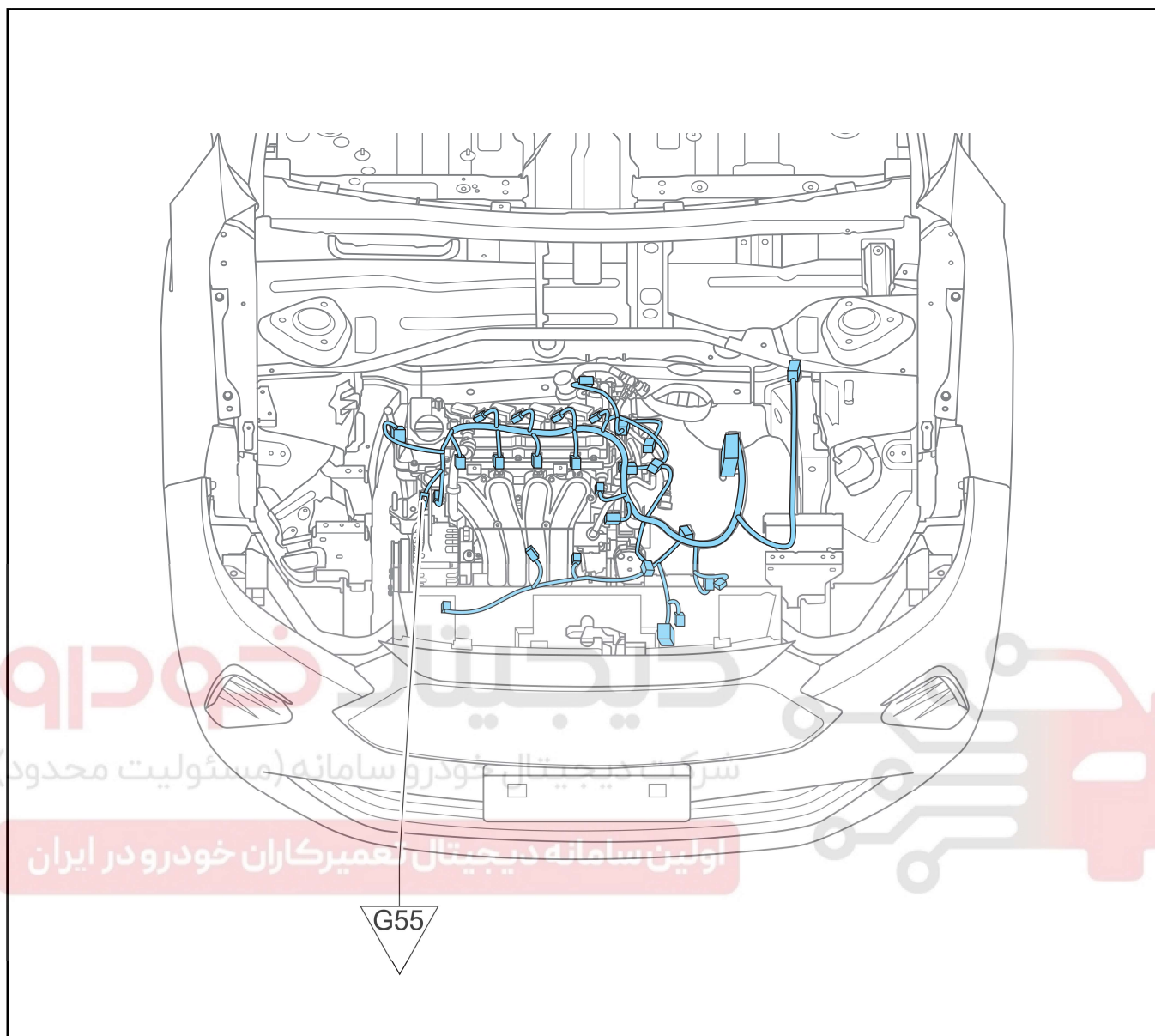
5.1 Grounding Layout

5. Grounding Layout

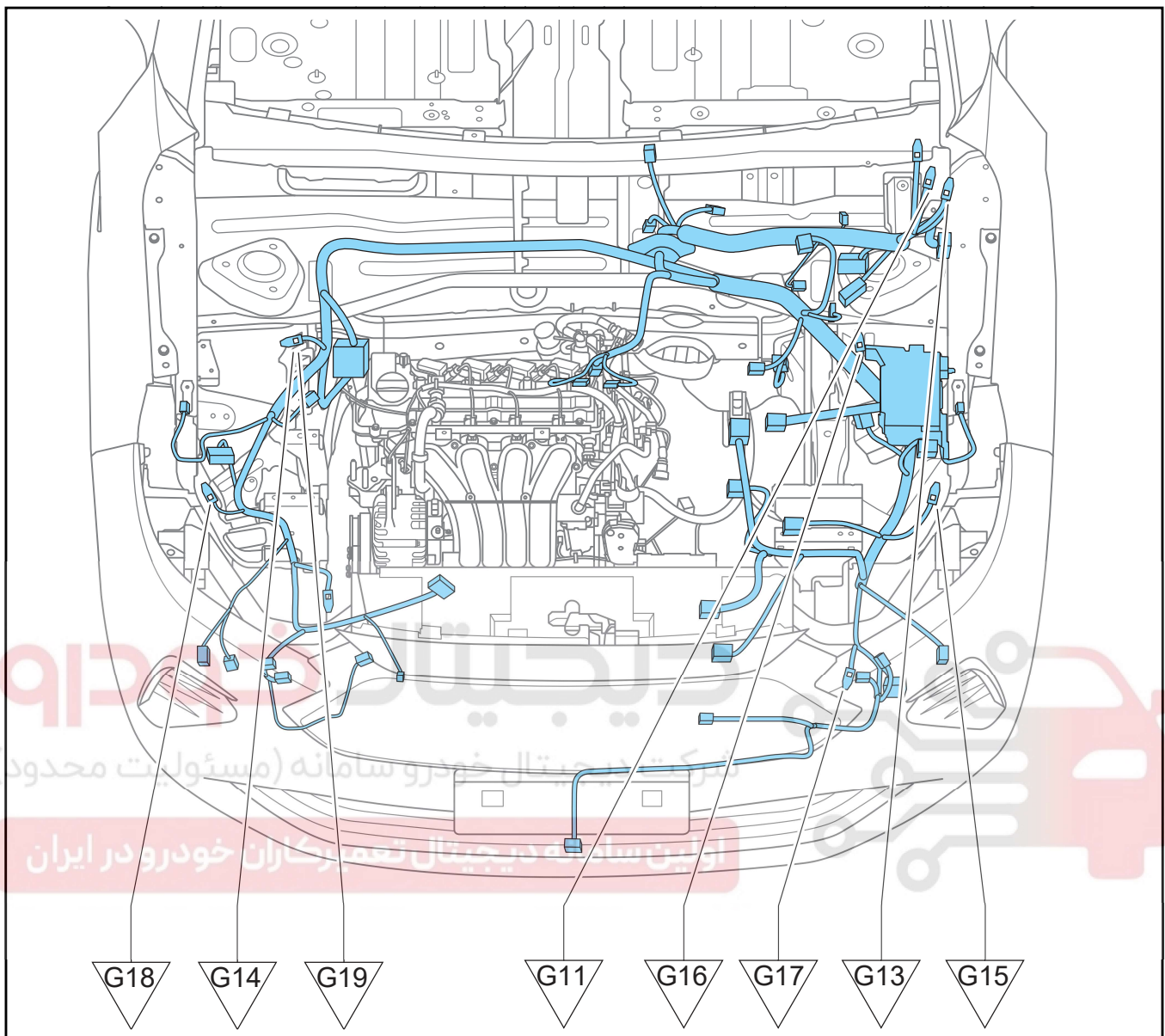
Grounding Layout of Battery Harness



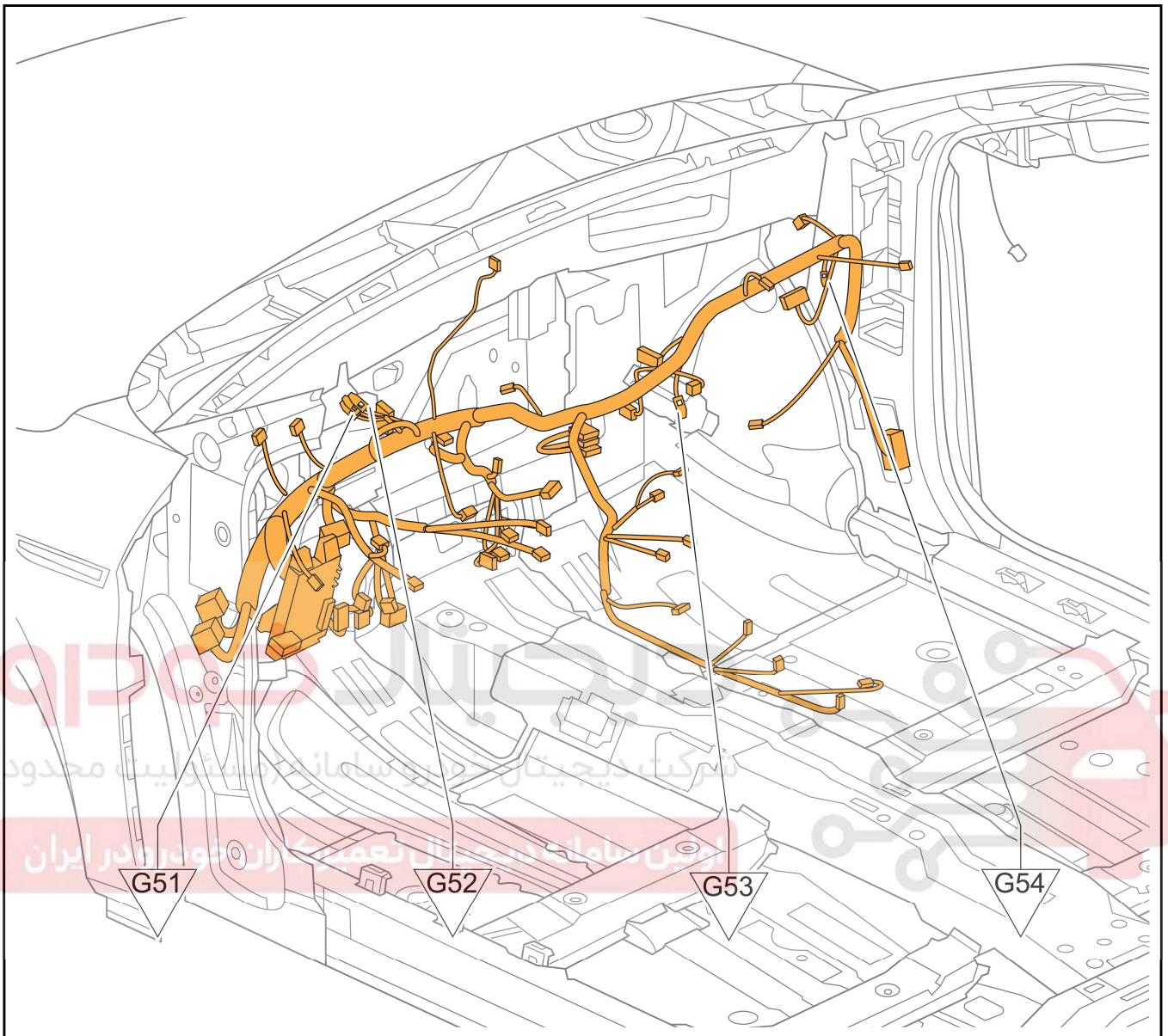
Grounding Layout of Engine Harness



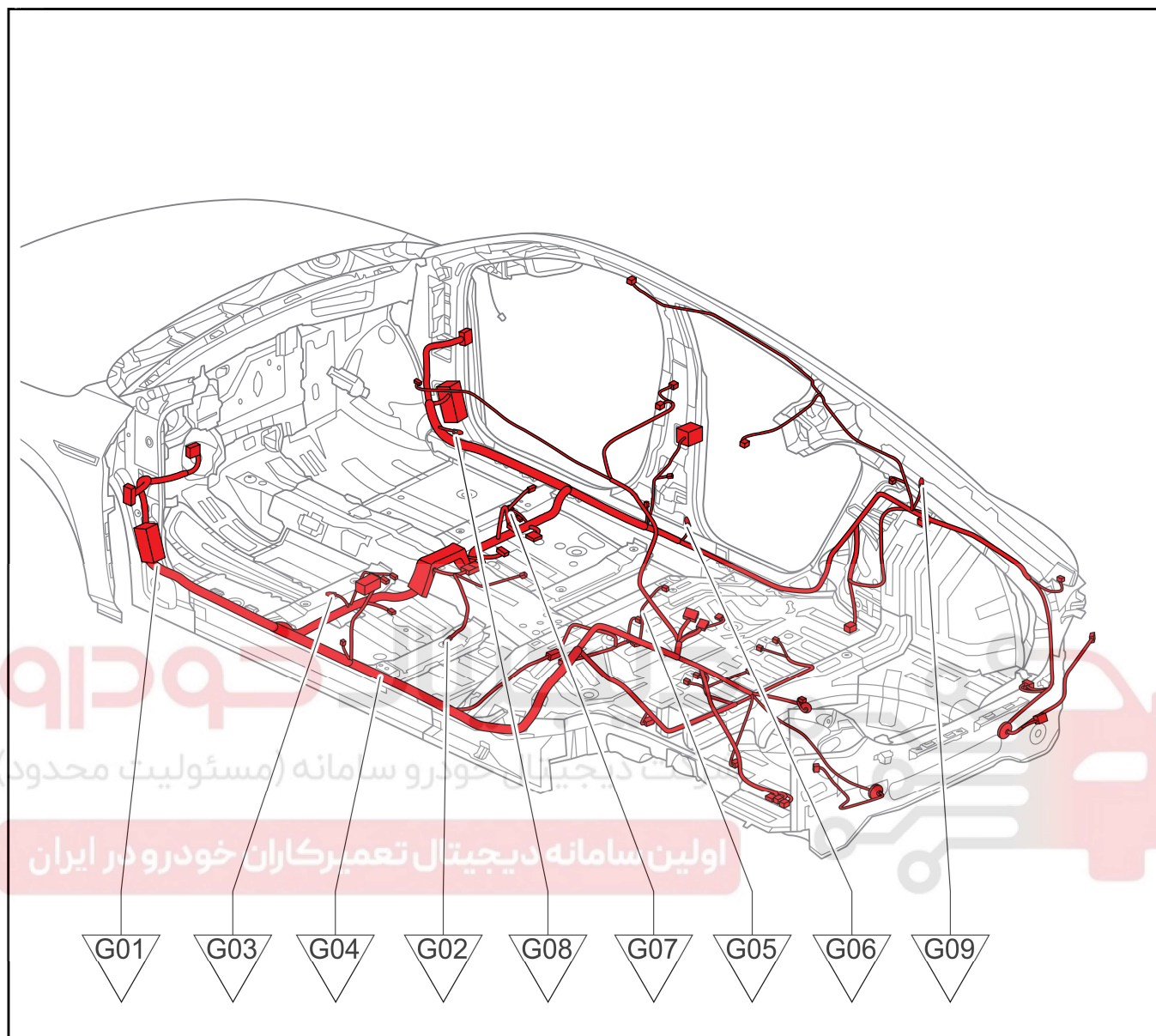
Grounding Layout of Engine Harness



Grounding Layout of Main Harness



Grounding Layout of Body Harness



Grounding Layout of Tail Door Harness

