

GCC Standardization Organization (GSO)

Conformity Assessment Department

List of GSO Technical Regulations for Motor Vehicles

(2027 Model Year)



هيئة التقييس الخليجية
GCC Standardization Organization

MY2027-D3

GSO	Year	Technical Regulation
34	2007	Lead-Acid Starter Batteries Used for Motor Cars & Internal Combustion Engines
35	2007	Methods of Test for Lead-Acid Starter Batteries Used for Motor Cars & Internal Combustion Engines
36	2005	Motor Vehicles - Methods of Test for Impact Strength - Part 1: Frontal Impact
37	2012	Motor Vehicles - Methods of Test for Impact Strength - Part 2: Rear Impact
38	2005	Motor Vehicles - Methods of Test for Impact Strength - Part 3A: Side Impact
39	2005	Motor Vehicles - Methods of Test for Impact Strength - Part 4: Roof Strength
40	2011	Motor Vehicles - Impact Strength
41	2007	Motor Vehicles: Front and Rear Exterior Protection Devices for Passenger Cars (Bumpers etc) and its Methods of Test
42	2015	Motor Vehicles: General Requirements
48	1984	Motor Vehicles: Conformity Certificates
51	2007	Passenger Car Tyres - Part 1: Nomenclature, Designation, Dimensions, Load Capacities and Inflation Pressures
52	2007	Passenger Car Tyres - Part 2: General Requirements
53	2007	Passenger Car Tyres - Part 3: Methods of Test
96	1988	Motor Vehicles - Methods of Testing of Safety Belt
97	1988	Motor Vehicles - Safety Belts
98	1988	Motor Vehicles - Flammability of Interior Materials and Testing Methods
99	1988	Road Vehicles - Sound Signaling Devices – Technical Specifications
135	2007	Motor Vehicles - Methods of Test for Engine Radiator
136	2007	Motor Vehicles - Engine Radiator

GSO	Year	Technical Regulation
144	1991	Motor Vehicles - Allowable Limits of Pollutants Emitted to the Atmosphere from Heavy Duty Diesel Engined Vehicles
145	1991	Motor Vehicles - Methods of Testing for Pollutants Emitted from Heavy Duty Diesel Engined Vehicles – Part 1: Determination of Exhaust Gaseous Pollutants
146	1991	Motor Vehicles - Methods of Testing for Pollutants Emitted from Heavy Duty Diesel Engined Vehicles – Part 2: Determination of Smoke
153	1993	Motor Vehicles - Conformity Certificates for Vehicles Manufactured in Multi-Stages
159	1993	Motor Vehicles - Dimensions and Weights
290	1994	Instruction Manual for Appliances Instruments and Equipment
419	1994	Motor Vehicles - Methods of Testing for Door Locks and Door Hinges
420	1994	Motor Vehicles - Door Locks and Door Hinges
421	2005	Motor Vehicles - Methods of Testing of Rear-view Mirrors
422	2005	Motor Vehicles – Rear-view Mirrors
645	2005	Multi-Purpose Vehicles, Trucks, Buses and Trailers Tyres - Part 1: Nomenclature, Designation, Dimensions, Load Capacities and Inflation Pressures
646	1996	Multi-Purpose Vehicles, Trucks, Buses and Trailers Tyres: Part 2: Method of Test
647	1996	Multi-Purpose Vehicles, Trucks, Buses and Trailers Tyres: Part 3: General Requirements
963*	1997	Motor Vehicles - General Requirements for Ambulances
1040	2000	Motor Vehicles - Allowable Limits of Pollutants Emitted to the Atmosphere from Light Duty Diesel Engined Vehicles
1041	2000	Motor Vehicles - Methods of Testing for Pollutants Emitted from Light Duty Diesel Engined Vehicles - Part 1: Determination of Exhaust Gaseous Pollutants

GSO	Year	Technical Regulation
1042	2000	Motor Vehicles - Methods of Testing for Pollutants Emitted from Light Duty Diesel Engined Vehicles - Part 2: Determination of Smoke
1052*	2000	Motor Vehicles Tyres - Temporary Use Spare Wheel/Tyres and Their Methods of Test
1053	2000	Motor Vehicles - Protection Against Theft
1503	2010	Motor Vehicle - Head Lamps Safety Requirements.
1598	2002	Motor Vehicles - Head Restraints and Their Methods of Test
1624	2002	Motor Vehicles - Noise Emissions
1625*	2002	Motor Vehicles - Speed Limiters - Part 2: Technical Requirements
1626*	2002	Motor Vehicles - Speed Limiters - Part 3: Methods of Test
1677	2003	Motor Vehicles – Laminated Safety Glass
1680	2003	Motor Vehicles – Allowable Limits of Gaseous Pollutants Emitted to the atmosphere from Unleaded Gasoline Vehicles
1681	2003	Motor Vehicles - Methods of Test for Gaseous Pollutants Emitted from Unleaded Gasoline Engined Vehicles - Part 1: Determination of Exhaust Gaseous Pollutants After a Cold Start
1682	2003	Motor Vehicles - Methods of Test for Gaseous Pollutants Emitted from Unleaded Gasoline Engined Vehicles - Part 2: Determination of Exhaust Carbon Monoxide Concentration
1683	2003	Motor Vehicles - Methods of Test for Gaseous Pollutants Emitted from Unleaded Gasoline Engined Vehicles - Part 3: Determination of Evaporative Emissions (Hydro- carbons) from the Fuel System Using the Enclosure Method
1684	2003	Motor Vehicles - Methods of Test for Gaseous Pollutants Emitted from Unleaded Gasoline Engined Vehicles - Part 4: Determination of Gaseous Pollutants Emitted from Engine Crankcase
1685	2003	Motor Vehicles - Methods of Test for Gaseous Pollutants Emitted from Unleaded Gasoline Engined Vehicles – Part 5: Determination of Durability of Pollution Control Equipment

GSO	Year	Technical Regulation
1707	2005	Motor Vehicles - Methods of Test for Impact Strength - Part 3B: Moving Barrier Side Impact (In accordance with US standards)
1708	2005	Motor Vehicles - Methods of Test for Impact Strength - Part 3C: Moving Barrier Side Impact (In accordance with European standards)
1709*	2005	Motor Vehicles – Child Restraint Systems
1710*	2005	Motor Vehicles – Methods of Testing of Child Restraint
1711*	2005	Motor vehicles – Speed Limiters - Part 1: General requirements, Equipment Inspection, Certification, and type approval
1780	2010	Motor Vehicles – Vehicle Identification Number (VIN) - Requirements
1781	2006	Motor Vehicles - World Manufacturer Identifier
1782	2008	Motor Vehicles – Vehicle Identification Number (VIN) – Location and attachment
1783	2006	Passenger Car Tyres - Treadwear, Traction and Temperature-Resistance Grading
1784	2006	Passenger Car Tyres - Method of Testing of Tyre Temperature Resistance Grading
GSO ISO 1585	2008	Road Vehicles – Engine Test Code – Net Power
GSO ISO 3537	2008	Motor Vehicles - Safety Glazing Materials - Mechanical Tests
GSO ISO 3538	1997	Road Vehicles - Safety Glasses - Test Methods for Optical Properties.
GSO-ECE-13H	2012	Motor Vehicles: Braking System of Passenger Cars and Multi-Purpose Vehicles
GSO-ECE-13H-1	2012	Motor Vehicles: Methods of Test for Braking System – Part 1: Braking Performance
GSO-ECE-13H-2	2012	Motor Vehicles: Methods of Test for Braking System – Part 2: Determination of Capacity of Energy Storage Devices
GSO-ECE-13H-3	2012	Motor Vehicles: Methods of Test for Braking System – Part 3: Determination of Distribution of Braking among the Axles of Vehicles

GSO	Year	Technical Regulation
GSO-ECE-13H-4	2012	Motor Vehicles: Methods of Test for Braking System – Part 4: Determination of Function of Anti-Lock Systems
GSO-ECE-13H-5	2012	Motor Vehicles: Methods of Test for Braking System – Part 5: Determination of Performance of Brake Lining Using Inertia Dynamometer
GSO-ECE-13H-6	2012	Motor Vehicles: Methods of Test for Braking System – Part 6: Determination of Coefficient of Adhesion
MC-250905	2025	Technical Regulation for Electric Vehicles

** Applicable for certification if provided or the vehicle is designed for.*

Compliance with National Regulations for Member Countries (Refer to the Annex):

The manufacturers should state in GSO conformity certificate (Additional Information Item) the following:

"Also comply with the National regulations for member countries mentioned in the Annex of the list of Technical Regulations for MV 2027 MY-D3, when exporting to those countries."

Recall Campaigns:

Motor vehicles recall is required in GSO member countries. It is essential that all Motor Vehicle Manufacturers should upload all details of recalls in Mutabiq.

Uploading VIN numbers:

All motor vehicles to be exported to GSO member countries are required to upload their VIN numbers and necessary activate in Mutabiq.

Warranty agreement for motor vehicles in GCC countries:

GSO would like to emphasize that all motor vehicle manufacturers should apply for the warranty agreement for all vehicles marketed in GCC countries, regardless of the importer.

GSO technical requirements:

To purchase or download GSO regulations please visit GSO website: www.gso.org.sa.

Implementation of Emission limits:

For Gasoline Engine:

- 1) The limits of pollutants emitted from motor vehicles should comply with less than Euro 4 for Bahrain.
- 2) The limits of pollutants emitted from motor vehicles should comply with Euro 4 for Qatar and Oman.
- 3) The limits of pollutants emitted from motor vehicles should comply with Euro 5 for Saudi Arabia* and Kuwait.
- 4) The limits of pollutants emitted from motor vehicles should comply with Euro 6b for UAE**.

For Diesel Engine:

- 1) The limits of pollutants emitted from motor vehicles should comply with less than Euro 4 for Oman
- 2) The limits of pollutants emitted from motor vehicles should comply with Euro 4 for Bahrain.
- 3) The limits of pollutants emitted from motor vehicles should comply with Euro 5 for Saudi Arabia*, Qatar and Kuwait
- 4) The limits of pollutants emitted from motor vehicles should comply with Euro 6b for UAE**.

** For Saudi Arabia refer to annex mentioned below.*

*** For UAE refer to annex mentioned below*

ANNEX

National Regulations for Member Countries

United Arab Emirate:

- Effective January 1st, 2026, all new types (first registration) of light and heavy vehicles imported into the UAE must comply with the new emission requirements, which shall be at a minimum equivalent to Euro 6b.
- Effective July 1st, 2027, all light and heavy vehicles imported into the UAE must comply with a minimum Euro 6b emission standard or equivalent.
- UAE.S 5012: 2019: Motor Vehicles – Safety Requirements for School Buses.
- UAE.S 5019: 2024: Motor Vehicle – “eCall” Emergency Calls Technical Requirements.
- UAE.S 5021: 2018: Terrestrial Radio Receiver Specifications.
- UAE.S 5041: 2020: Fire suppression systems intended for engine compartments of buses and coaches.
- All Busses with less than 22 seats should be provided with speed limiting system with maximum speed of 100 km/h, this system cannot be modified or changed by the driver.
- All the seats of passenger cars and multipurpose vehicles (Except middle rear seat) shall be towering back type or equipped with adjustable head restraints.
- The front and rear outboard seats of passenger cars and multipurpose vehicles shall be provided with three-point safety belts, the other seats and seats of all other vehicles shall be provided with either two-point or three-point safety belts.
- UAE.S 2698: 2024: Technical Requirements for Electric Vehicles. All electric vehicles sold in the UAE market must obtain an Emirates conformity certificate from Ministry of Industry and Advanced Technology (MoIAT).
- The front fog lights should be in accordance with ECE 19 or SAE J583, except the vehicles which are equipped with lighting technologies that increase the efficiency of vehicles visibility while driving in foggy conditions (such as digital lighting and LED lamps as well as radars, infrared technologies, etc.).

Kingdom of Bahrain:

Large Passenger Vehicles (Busses):

- 1) The minimum seat length shall be 40 cm for every passenger (For school busses 30 cm at least).
- 2) The minimum seat width shall be 40 cm for every passenger (For school busses 30 cm at least).
- 3) The corridor between the seats and rows shall not be less than 40 cm.
- 4) The height between any of the seats (top of head rest) and the ceiling of the vehicle shall not be less than 85 cm.
- 5) The space between the front of a seat and the back of the seat in front shall not be less than 30 cm.
- 6) The space between the vehicle floor and its ceiling shall not be less than 190 cm, except the vehicles designed not for passengers to stand.

Kingdom of Saudi Arabia:

#	SASO No.	Name of Standard
1	SASO 2946:2020 SASO 2946:2020/AMD1:2022 SASO 2946:2020/AMD2:2022 SASO 2946:2020/AMD3:2022	Buses – Requirements of construction
2	SASO 2847:2017 SASO 2847:2017/Amd1:2018	Fuel Economy Labelling Requirements for New Light Duty Vehicles
3	SASO 2857:2016	Vehicle tires rolling resistance and wet grip requirements
4	SASO 2864:2022	Saudi Arabia corporate average fuel economy standard (SAUDI CAFE) for incoming light duty vehicles (2024–2028)
5	SASO 2951:2021	School buses – General requirements
6	SASO 3008:2022	School buses – Pedestrian safety devices
7	SASO 3009:2022	School buses – Roof strength
8	SASO 3010:2022	School buses – Body joint strength
9	SASO 3011:2022	School buses – Rear crash test using moving barrier
10	SASO 2971:2021	Tow trucks
11	SASO 469:2022	Motor Vehicles – Dimensions and Weight
12	SASO IEC 60095-1:2023	Lead-acid starter batteries – Part 1: General requirements and methods of test
13	SASO IEC 60095-2:2019	Lead-acid starter batteries – Part 2: Dimensions of batteries and dimensions and marking of terminals
14	SASO CITC RI 121:2021*	Specification for Radio Broadcasting Equipment
15	SASO-CITC-RI120	Specification for IMT User Equipment
16	SASO CITC RI 054:2021*	Specification for Short Range Devices (SRD)

17	SASO CITC RI 117:2021*	Specification for Data Communication Equipment operating in License-Exempt Frequency Bands
18	SASO CITC RI 049:2019*	Specification for Road Transport, Traffic Telematics and Intelligent Transport Systems
19	SASO CITC GEN002:2021*	Requirements for specific ICT Equipment
20	SASO CITC GEN001:2021*	General Requirements
21	SASO 2938:2019	Technical specifications of the radio, digital and analog broadcasting receiver for (AM/FM/T- DAB+)
22	SASO CITC RI 091:2021*	Specification for Ground Navigation Equipment
23	SASO 2955:2021	Motor vehicles – Front under run protective devices for trucks
24	SASO 2956:2021	Motor vehicles – Lateral under run protective devices for trucks and trailers
25	SASO 2957:2021	Motor vehicles – Rear under run protective devices for trucks and trailers
26	SASO ISO 5011:2015**	Inlet air cleaning equipment for internal combustion engines and compressors – Performance testing
27	SASO 3004:2022	Road vehicles – Controls, tell-tales and indicators
28	SASO 3005:2022	Road vehicles – Windshield defrosting and defogging systems
29	SASO 3006:2022	Road vehicles – Accelerator control systems
30	SASO 3007:2022	Road vehicles – Windshield wiping and washing systems
31	SASO 2944:2023***	Motor vehicle – Technical Requirements for “eCall” Emergency Calls

* *Applicable for certification if provided or the vehicle is designed for.*

** *Not applicable for Certification.*

*** *Implementation will start on 01/01/2027 (calendar year).*

Other Saudi national requirements related to occupant protection and environmental.

#	Title of the item	Regulation No.	Title of the technical regulations	Target category of vehicles	Remarks
1	Allowable limits of pollutants emitted from motor vehicles	ECE 49	Uniform provisions concerning the measures to be taken against the emission of gaseous and particulate pollutants from compressing ignition Engines and positive ignitions engines for use in vehicles	Heavy Duty	Diesel engine should comply with Euro V
		ECE 83	Uniform provisions concerning the approval of vehicles with regard to the emission of pollutants according to engine fuel requirements	Light Duty	Diesel/Gasoline engine should comply with Euro 5
2	Child restraint systems	ECE 44	Uniform provisions concerning the approval of restraining devices for child occupants of power-driven vehicles (Child Restraint System)	Passenger car and Multipurpose passenger	Corresponding US Federal Regulations FMVSS 213, FMVSS 213a
		ECE 129	Uniform provisions concerning the approval of Enhanced Child Restraint Systems (ECRS) used on board of motor vehicles		
3	ISOFIX anchorages systems	ECE 145	Uniform provisions concerning the approval of vehicles with regard to ISOFIX anchorage systems ISOFIX top tether anchorages and i-Size seating positions		Corresponding US Federal Regulations FMVSS 225
4	Safety-belt anchorages	ECE 14	Uniform provisions concerning the approval of vehicles with regard to safety-belt anchorages	Passenger car, Multipurpose passenger vehicle, Bus, and Truck	Corresponding US Federal Regulations FMVSS 207, FMVSS 208, FMVSS 210