GCC Standardization Organization (GSO)

Conformity Assessment Department

List of GSO Technical Regulations for Motor Vehicles

(2024 Model Year)

MY2024-D4

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**

* 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 2024 MY-D4, when exporting to those countries."

Recall Campaigns:

Motor vehicles recalls are required in GSO member countries. It is essential that all Motor Vehicle Manufacturers should upload all details of recalls in the 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 other GCC countries.
3) Kuwait: EURO 5:
   Postponed activation to 2026 MY.

For Diesel Engine:

1) The limits of pollutants emitted from motor vehicles should comply with less than Euro 4 for Bahrain and Oman.
2) The limits of pollutants emitted from motor vehicles should comply with Euro 4 for UAE and Kuwait.
3) The limits of pollutants emitted from motor vehicles should comply with Euro 5 for Saudi Arabia* and Qatar.
4) Kuwait: EURO 5:
   Postponed activation to 2025 MY.

* For Diesel Engine in Saudi Arabia refer to annex mentioned below.

Implementation of Terrestrial Radio Receiver Specifications for AM/FM/T-DAB+:

1) UAE:
   Must comply with UAE.S 5021: 2018: Terrestrial Radio Receiver Specifications.
2) Bahrain:
   If the vehicle is provided with AM/FM/T-DAB+, Must comply with GSO 2693:2022, SASO 2938:2019 or UAE.S 5021: 2018.
3) Saudi Arabia:
   Must comply with SASO 2938:2019: Technical specifications of the radio, digital and analog broadcasting receiver for (AM/FM/T- DAB+).
4) Kuwait: Postponed activation to 2026 MY
   Comply with GSO 2693:2022: The GCC Terrestrial Radio Receiver Specifications for AM/FM/T-DAB+.
5) AM/FM/T-DAB+ is not required for other countries.

ANNEX

National Regulations for Member Countries

United Arab Emirate:

- UAE.S ECE No 49/2013: 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.

- UAE.S ECE No 83/2006: Uniform provisions concerning the approval of vehicles with regard to the emission of pollutants according to engine fuel requirements.
- UAE.S 5012: 2019: Motor Vehicles – Safety Requirements for School Buses
- UAE.S 5019: 2018: 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 tower 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.
- Special design sports and electric vehicles and hydrogen fuel cell vehicles, which don't have a suitable place in the vehicle to install the spare tyre, are allowed to use the repair kit as an alternative to the spare tyre upon a special undertaking submitted to Ministry of Industry and Advanced Technology (MoIAT).
- All electric vehicles sold in the UAE market must obtain an Emirates conformity certificate from Ministry of Industry and Advanced Technology (MoIAT).

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, 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 a 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
SASO 2946:2020 SASO 2946:2020/AMD1:2022	Buses - Requirements of Construction
SASO 2847:2017 SASO 2847:2017/Amd1:2018	Fuel Economy Labelling Requirements for New Light Duty Vehicles
SASO 2857:2016	Vehicle tires rolling resistance and wet grip requirements
SASO 2864:2022	Saudi Arabia corporate average fuel economy standard (SAUDI CAFE) for incoming light duty vehicles (2024- 2028)
SASO 2951:2021	School buses - General requirements
SASO 469:2022	Motor Vehicles - Dimensions and Weight
SASO IEC 60095-1:2019	Lead-acid starter batteries - Part 1: General requirements and methods of test
SASO IEC 60095-2:2019	Lead-acid starter batteries - Part 2: Dimensions of batteries and dimensions and marking of terminals
SASO CITC RI 121:2021 *	Specification for Radio Broadcasting Equipment
SASO CITC RI 054:2021 *	Specification for Short Range Devices (SRO)
SASO CITC RI 117:2021 *	Specification for Data Communication Equipment operating in License-Exempt Frequency Bands
SASO CITC RI 049:2019 *	Specification for Road Transport, Traffic Telematics and Intelligent Transport Systems
SASO CITC GEN002:2021 *	Requirements for specific ICT Equipment
SASO CITC GEN001:2021 *	General Requirements
SASO 2938:2019	Technical specifications of the radio, digital and analog broadcasting receiver for (AM/FM/T- DAB+)
SASO 2955:2021	Motor vehicles - Front under run protective devices for trucks
SASO 2956:2021	Motor vehicles - Lateral under run protective devices for trucks and trailers

SASO 2957:2021	**Motor vehicles - Rear under run protective devices for trucks and trailers**
SASO ISO 5011:2015**	**Inlet air cleaning equipment for internal combustion engines and compressors - Performance testing**

* *Applicable for certification if provided or the vehicle is designed for.*
** *Not applicable for Certification.*

For Saudi Arabia, allowable limits of pollutants emitted from motor vehicles should comply with Euro 5 for fuel Diesel only according:

- ECE No 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.
- ECE No 83 Uniform provisions concerning the approval of vehicles with regard to the emission of pollutants according to engine fuel requirements.