

GCC Standardization Organization (GSO)

Conformity Assessment Department

List of GSO Technical Regulations for Motor Vehicles

(2023 Model Year)



MY2023-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
279**	2005	Car Upholstery - Testing Methods of Fabric for Car Seats
280**	2005	Car Upholstery - Fabric for Car Seats
289**	1994	Road Vehicles - Retro Reflective Number Plates and its Methods of Test
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
581**	2007	Requirements for Storage of Motor Vehicles Tyres
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

GSO	Year	Technical Regulation
674**	1997	Motor Vehicles - Safety Requirements for Maintenance and Repair Workshop
963*	1997	Motor Vehicles - General Requirements for Ambulances
971**	1997	Motor Vehicles - Periodic Technical Inspection Manual
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
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
1605**	2002	Full-Flow Lubricating Oil Filters for Internal Combustion Engines – Dimensions
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

GSO	Year	Technical Regulation
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
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	Year	Technical Regulation
GSO ISO 3538	1997	Road Vehicles - Safety Glasses - Test Methods for Optical Properties.
GSO ISO 4548- 6**	2002	Methods of Test for Full-flow Lubricating Oil Filters for Internal Combustion Engines - Part 6: Static Burst Pressure Test
GSO ISO 4548- 1**	2002	Methods of Test for Full-Flow Lubricating Oil Filters for Internal Combustion Engines - Part 1: Differential Pressure Flow Characteristics
GSO ISO 4548- 2**	2002	Methods of Test for Full-Flow Lubricating Oil Filters for Internal Combustion Engines - Part 2: Element By-Pass Valve Characteristics
GSO ISO 4548- 3**	2002	Methods of Test for Full-Flow Lubricating Oil Filters for Internal Combustion Engines - Part 3: Resistance to High Differential Pressure and to Elevated Temperature
GSO ISO 6311**	2005	Motor Vehicles –Methods of Testing Brake Linings – Part 1: Internal Shear Strength of Lining Material.
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-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.*

** *Not applicable for Certification.*

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 2023 MY-D3, 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 ECCS.

Maximum Vehicle Weight or Diminutions:

When the maximum vehicle weight or diminutions exceed the limit of GSO regulations, it is required to obtain an approval to use the vehicles in the GCC countries from the local transport authorities in the GCC countries refer to GSO 159/1993 item 4.2.4

GSO technical requirements:

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

Implementation of Euro 4 in accordance with GSO 42/2015:

The limits of pollutants immitted from motor vehicles should comply with Euro 4 for all GCC countries that have in their markets suitable fuel (Either Gasoline or Diesel*).

* For Diesel Engine in Qatar refer to annex mentioned below.

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 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 2946:2020	Buses - Requirements of Construction
SASO 2944:2020	Motor vehicle - Technical Requirements for “eCall” Emergency Calls
SASO 2847:2017 + Amd 1: 2018	Fuel Economy Labeling Requirements for New Light Duty Vehicles
SASO 2857:2016	Vehicle tires rolling resistance and wet grip requirements
SASO 2864:2019	Saudi Arabia corporate average fuel economy standard (SAUDI CAFE) for incoming light duty vehicles (2021 –2023)
SASO GSO 2501:2017	Motor Vehicles - Safety Requirements for School Buses
SASO CITC RI121:2021 *	Specification for Radio Broadcasting Equipment
SASO-CITC-RI054:2021 *	Specification for Short Range Devices (SRD)
SASO 2955:2021	Motor Vehicles-Front Underrun Protective Devices for Trucks
SASO 2956:2021	Motor Vehicles-Lateral Underrun Protective Devices for Trucks and Trailers
SASO 2957:2021	Motor vehicles-Rear Under Run Protective Devices for Trucks and Trailers

SASO ISO 4020:2011 **	Road Vehicles – Fuel Filters for Diesel Engines - Test Methods
SASO ISO 5011:2015 **	Inlet air cleaning equipment for internal combustion engines and compressors -- Performance testing
SASO ISO 4548-5:2014 **	Methods of test for full-flow lubricating oil filters for internal combustion engines – Part 5: Cold start simulation and hydraulic pulse durability test
SASO ISO 4548-9:2008 **	Methods of test for full-flow lubricating oil filters for internal combustion engines – Part 9: Inlet and outlet anti-drain valve tests
SASO ISO 4548-12:2008 **	Methods of test for full-flow lubricating oil filters for internal combustion engines -- Part 12: Filtration efficiency using particle counting, and contaminant retention capacity
SASO ISO 3917:2012 **	Road vehicles -- Safety glazing materials -- Test methods for resistance to radiation, high temperature, humidity, fire and simulated weathering
SASO ISO 6310:2014 **	Road vehicles - Brake linings - Compressive strain test methods
SASO ISO 6312: 2014 **	Road vehicles - Brake linings - Shear test procedure for disc brake pad and drum brake shoe assemblies
SASO ISO 6313: 2005 **	Road vehicles - Brake linings - Effects of heat on dimensions and form of disc brake pads - Test procedure
SASO GSO ISO 4000-2: 2008 **	Passenger car tyres and rims – Part 2: Rims
SASO GSO ISO 4209-2:2012 **	Truck and bus tyres and rims (metric series) – Part 2: Rims
SASO ISO 7141:2015 **	Road vehicles - Light alloy wheels - Impact test
SASO ISO 3894:2015 **	Road vehicles – Wheels/rims for commercial vehicles – Test methods
SASO GSO ISO 3006:2008 **	Road vehicles – Passenger car wheels for road use – Test methods

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

** *Not applicable for Certification.*

State of Qatar:

The limits of pollutants immitted from motor vehicles with Diesel Engine should comply with Euro V.