

# IMSA RULES 2017

Specifications

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## SPECIFIC CAR REGULATIONS

of the

## IMSA CONTINENTAL TIRE SPORTSCAR CHALLENGE STREET TUNER (ST) CLASS

Sanctioned by



## INTERNATIONAL MOTOR SPORTS ASSOCIATION

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## Approved Cars

Models listed with year indicate the final year of production for the specific model.

### ST

Audi S3 2015

**BMW 328i (E90) sedan**

BMW 328i (F30) sedan

Honda Civic Si 2.4L

**Mazda MX 5 Miata**

MINI Cooper JCW 2015-

Nissan Altima V6

Porsche Boxster 2.9L 987

Porsche Cayman 2.9L 987

**Please note that only 2017 registered cars appear in this document.  
For information about additional applications please contact IMSA  
All changes from previous version in RED TEXT**

### **Audi S3 2015+ ST**

Final Drive: 4.769:1 / 3.444:1

Fuel capacity: 17.0 gal

Weight: 2920 lbs.

Tire size: 225/45/18

Refueling Restrictor: 26.5 mm

Maximum RPM 6600

Maximum Boost Pressure 2080 mbar Absolute

- Must use OEM ECU
- Must use OEM Audi S-Tronic Transmission

### **Approved Modifications**

1. May install fuel cell.
2. May relocate battery between rear strut towers

### **Permitted Replacement Components**

1. Carbon hood

### **BMW 328i (F30) sedan ST**

Final Drive: 3.91:1

Fuel capacity: 18.25 gal.

Weight: 2870 lbs.

Tire size 225/45/17

Refueling Restrictor: 29.0 mm

Maximum RPM 7000

Maximum boost 2360 mbar Absolute

### **Approved Modifications**

1. E90 hydraulic power steering with approved installation parts by BimmerWorld.
2. May modify OEM radiator shrouding and grille per specification on file

### **Permitted replacement components**

1. BMW supplied OEM 330i brake calipers.
2. May use **Bosch MS 4.3 IMSA Approved ECU (Motec M1).**
- ~~3. 3<sup>rd</sup> party controller (Motec) for OEM boost control valve~~
4. May install fuel cell
5. Electric water pump.
6. F\_30\_F\_Steer RIGHT and LEFT mounting brackets for steering rack.
7. Seibon Carbon Hood Part number HD1213BMWF30-OE or Bimmerworld part # 138.41.630.0001
8. Seibon Carbon Deck Lid Part number TL1213BMWF30 or Bimmerworld part # 138.41.630.0002
9. Bimmerworld Short Shifter kit
10. BMW Sport Bumpers and grilles. Front : 51-11-8-055-826 Rear : 51-12-8-056-497
11. Front Control Arm Bushing kit: Dinan Part #: D280-0008 or Bimmerworld Kit# BW.FLCAB
12. Bimmerworld Intercooler part # CR.CC.K1129
13. May use IMSA approved ABS Controller
14. Bimmerworld rear toe link p/n 100.33.630.0002

### **BMW 228i (F22) ST**

Final Drive: 3.08:1

Fuel capacity: 18.25 gal

Weight: 2850 lbs

Tire size 225/45/18

Refueling Restrictor: 29.0 mm

Maximum RPM 7000

Maximum Boost 2400 mbar absolute

Must use BMW 8-Speed Gearbox

#### **Approved Modifications**

1. May install fuel cell.
2. May use IMSA approved ABS Controller
3. May use IMSA approved ECU (Motec M1)

#### **Permitted replacement components**

1. Electric Water Pump
2. Dinan Intercooler (Part # D330-0021)
3. BMW M Sport bumpers and grille (Front# 51-11-8-059-017, Rear #s: 51-12-8-055-965, # 51-12-8-055-572)
4. BMW supplied OEM 330i brake calipers.
5. Rear Toe Link Kit, Dinan (Part # R280-0012), with eccentric adjustment locked out
6. May use lightweight battery

### **Honda Civic Si 2012-2013 ST**

Final Drive: 4.76:1

Fuel capacity: 14.75 gal.

Weight: 2590 lbs

Tire size: 225/45/17

Maximum RPM 8050

- Must use Honda Flashpro
- Must use unmodified Honda Sealed Engine P/N 1011A-RX0-R00

#### **Approved Modifications**

1. May install fuel cell.
2. May remove vertical strakes from underside of front fender liners.
3. Battery may be located in trunk centered between the rear damper towers.

#### **Permitted replacement components**

4. Honda ABS controller # 57110-F235-A51
5. Honda Intake manifold 17100-RRC-000
6. Honda Exhaust header #18100-F23S-A10
7. Rear Camber Arm
8. Honda 2014 Bodywork/styling.
9. HPD Brake Kit p/ns Right: 45221-F23S-A00 Left: 45226-F23S-A00
10. HPD P/N 50830-F23S-A00 Motor Mount and required bracket
11. Carbon Hood

### **Mazda MX 5 Miata ST**

Final Drive: 4.10:1

Fuel capacity: 13.75 gal.

Weight: ~~2470~~ 2450 lbs. (-20 lbs)

Tire size: 225/45/17

Maximum RPM 8100

- Must use Mazda supplied hardtop, part # NFY2-R1-82XE-XX.
- Must use Mazda OEM 6 speed

#### **Approved Modifications**

1. May install fuel cell.
2. May remove vertical strakes from front fender liners

#### **Permitted replacement components**

1. Mazda Speed Header, part # 0000-06-5407 or 0000-06-5406
2. May use Bosch MS 4.3 ECU
3. Mazda Speed Piston kit, part # 0000-01-5207
4. BMW supplied, part # C19-09-07A, Throttle pedal.
5. Mazda connecting rod Part # 0000-01-3512
6. Mazda Flywheel Part # 0000-02-5309
7. Camshaft (specification on file)
8. OEM 2013 front fascia (PN NPY2-50-03XC-BB) grill, headlights, fog lights, and associated hardware.
9. Mazda offset camber bushing kit P/N 0000-04-5407
10. May use RX8 front calipers/rotors

### **MINI Cooper JCW 2015- ST**

Final Drive: 3.59

Fuel capacity: 16.5 gal

Weight: 2540 lbs

Tire size: 225/45/17

Refueling Restrictor: 26.5 mm

Maximum Boost Pressure: 2170 mbar Absolute

#### **Approved Modifications**

1. May install fuel cell.

**Nissan Altima V6 ST**

Final Drive: 4.3

Fuel capacity: 16.25 gal.

Weight: 2720 lbs.

Tire size: 225/45/17

Refueling Restrictor: 26.5 mm

Maximum RPM: 7000

Standard variable intake manifold must be fixed in "high speed" position.

**Approved Modifications**

1. May install fuel cell
2. May relocate battery inside trunk between shock towers

**Permitted replacement components**

- 1 Nissan Motorsports Exhaust header #14002-GA33A Contact
- 2 Nissan Motorsports Rear Camber arms #43018-GA33A s
- 3 Nissan Motorsports Rear Toe arms #43019-GA33A
- 4 Nissan Motorsports Front Brake caliper LH #41001-EJ20A
- 5 Nissan Motorsports Front Brake caliper RH #41001-EJ20A
- 6 Front brake rotor 320 mm x 32 mm
- 7 Nissan Brake Caliper kit # CTSCC-FB01
- 8 Carbon Hood

**Porsche Boxster 2.9L ST**

Eligible until Dec 31, 2018

Final Drive: 3.88:1

Fuel capacity: 15.5 gal.

Weight 2960 lbs.

Tire size: front 225/45/17 rear 245/45/17

Maximum RPM 7250

Engine Restrictor: IMSA supplied 50mm radiused flat plate

- Must use production hard top with production glass window.
- Rear wing must be fixed in the up position

**Approved Modifications**

- 1 Allowed 3" diameter Brake Duct opening in radiator inlets.
- 2 May remove vertical strakes from front fender liners
- 3 May modify rear caliper pins for rotor clearance
- 4 May trim outer radiator ducting per specifications on file

**Permitted replacement components**

1. OEM six speed transmission
2. 996 front calipers and rotors
3. Aftermarket exhaust manifold
4. Must use stock ECU from Porsche.
5. Two Piece lower control arm with inner mono-ball bushing.
6. GT3 style adjustable inside rear toe link.
7. IMSA approved aftermarket ABS controller.
8. Brake ducts 997.575.231.91, 997.575.232.91, 996.341.118.91, 996.341.117.91
9. Fender Liners 997.504.123.90, 997.504.124.90
10. Short shifter as approved by IMSA



### **Porsche Cayman 2.9L ST**

Eligible until Dec 31, 2018

Final Drive: 3.88:1

Fuel capacity: 15.5 gal.

Weight: 2960 lbs

Tire size: front 225/45/17 rear 245/45/17

Maximum RPM 7250

Engine Restrictor: IMSA supplied 50mm radiused flat plate

#### **Approved Modifications**

- 1 3" diameter Brake Duct opening in radiator inlets.
- 2 Rear wing must be fixed in the up position
- 3 May remove vertical strakes from front fender liners
- 4 May modify rear caliper pins for rotor clearance
- 5 May trim outer radiator ducting per specifications on file

#### **Permitted replacement components**

1. OEM six speed transmission
2. 996 front calipers and rotors.
3. Aftermarket exhaust manifold
4. Must use stock ECU from Porsche.
5. Two Piece lower control arm with inner mono-ball bushing.
6. GT3 style adjustable inside rear toe link.
7. IMSA approved aftermarket ABS controller.
8. Brake ducts 997.575.231.91, 997.575.232.91, 996.341.118.91, 996.341.117.91
9. Fender Liners 997.504.123.90, 997.504.124.90
10. Short shifter as approved by IMSA