

Sebring 2008 Technical Manual

IMSA Prototype Challenge

Park (2015) Road America (2006, 2009–2015, 2020) Road Atlanta (2006–2022) Sebring International Raceway (2007–2021) Utah Motorsports Campus (2007–2010, 2012)

IMSA Prototype Challenge (formerly IMSA Prototype Lites) was a racing series featuring two classes of single-seat prototype cars racing simultaneously. The series was sanctioned by the International Motor Sports Association (IMSA). Most races were held in support of the WeatherTech SportsCar Championship. The series raced LMP3 class prototype sportscars. The cars have grown in size and speed since its 2006 introduction, starting from four-cylinder and motorcycle powered race cars to large V8 powered cars. Each race was 1 hour and 45 minutes long apart from the season opening 3 hour race at Daytona International Speedway.

The series' final season was in 2022. For 2023, the series was replaced with the IMSA VP Racing SportsCar Challenge.

Ultradrive

1995–2006 Chrysler Sebring 1995–2006 Chrysler Stratus (EU) 1995–2000 Dodge Avenger 1995–2006 Dodge Stratus 1995–2006 Chrysler Sebring (EU) 1996–2000 Plymouth

The Ultradrive is an automatic transmission manufactured by Chrysler beginning in the 1989 model year.

Initially produced in a single four-speed variant paired with the Mitsubishi (6G72) 3.0-liter engine in vehicles with transverse engines, application was expanded to the Chrysler 3.3- and 3.8-liter V6 engines in 1990 model year Dodge Caravan/Grand Caravan, Plymouth Voyager/Grand Voyager, Chrysler Town & Country, Dodge Dynasty and Chrysler New Yorker. A six-speed variant (62TE) was introduced in the 2007 model year and remains in production for several models as of 2019.

The Ultradrive and succeeding transmissions are produced at the Kokomo Transmission plant in Kokomo, Indiana, which also manufactures other Chrysler automatic transmissions. As of 2020, Dodge Journeys equipped with four-cylinder...

List of ZF transmissions

Alvis TD 21, Alvis TE 21, Alvis TF 21, Maserati 3500GT (S5-17-2), Maserati Sebring I and II, Maserati Quattroporte I, Maserati Mistral S5-18 - Alfa Romeo

ZF Friedrichshafen AG is a German technology manufacturing company that supplies systems, in particular transmissions for all kind of passenger cars and SUVs, light commercial vehicles such as vans and light trucks, as well as all types of heavy and special vehicles like trucks and buses.

Basically there are two types of motor vehicle transmissions:

Manual – the driver has to perform each gear change using a manually operated clutch

Automatic – once placed in drive (or any other 'automatic' selector position), it automatically selects the gear ratio dependent on engine speed and load

Basically there are two types of engine installation:

In the longitudinal direction, the gearbox is usually designed separately from the final drive (including the differential). The transaxle configuration combines...

Chevrolet Corvette (C6)

exhaust. The earlier Tremec T56 manual transmission was replaced with the newer TR6060 in the 2008 model year. Manual Corvette models now had improved

The Chevrolet Corvette (C6) is the sixth generation of the Corvette sports car that was produced by Chevrolet division of General Motors for the 2005 to 2013 model years. It is the first Corvette with exposed headlamps (as opposed to hidden headlamps) since the 1962 model. Production variants include the Z06, ZR1, Grand Sport, and 427 Convertible. Racing variants include the C6.R, an American Le Mans Series GT1 championship and 24 Hours of Le Mans GTE-Pro winner.

Chevrolet Corvette SS

Hours of Sebring. Duntov declined to participate, so Fitch acted as Team Manager. General Manager of Chevrolet Ed Cole, watching the 1956 Sebring race, realized

The Chevrolet Corvette SS is a sports racing car built by Chevrolet in 1957. The car raced once at the 1957 12 Hours of Sebring before Chevrolet withdrew from all racing activities in response to a ban

that year by the Automobile Manufacturers Association for all of its member companies, which included GM.

Chevrolet Corvette C6.R

initial event at Sebring, earning Corvette Racing their first loss since the end of 2003. Prodrive returned to Europe after Sebring, and Corvette Racing

The Chevrolet Corvette C6.R is a grand tourer racing car built by Pratt Miller and Chevrolet for competition in endurance racing. It is a replacement for the Corvette C5-R racing car, applying the body style of the new C6 generation Chevrolet Corvette as well as improvements to increase the speed and reliability on the track. Since its debut in 2005, it has continued on from the previous dominance of the C5-R in its racing class with multiple American Le Mans Series championships and race wins in the Le Mans Series, FIA GT Championship, and 24 Hours of Le Mans. There are two main versions of the Corvette C6.R: the GT1 version which has 590 HP, carbon-ceramic brakes, and aggressive aerodynamics, and the GT2 version which has 470 HP, cast-iron brakes, and relatively stock aerodynamics with respect...

Peugeot 908 HDi FAP

entered two cars for the 2010 12 Hours of Sebring, scoring a 1-2 finish to take their first victory at Sebring and finishing first and second in every official

The Peugeot 908 HDi FAP is a sports prototype racing car built by the French automobile manufacturer Peugeot to compete in the 24 Hours of Le Mans endurance race, starting in 2007 and eventually winning in 2009. This effort, in development since 2005, was publicly unveiled on 15 June

2006. It first competed against the Audi R10 TDI, becoming the second diesel engined sports car from a major manufacturer, and then against the Audi R15 TDI. This was Peugeot Sport's first Le Mans effort since the end of the Peugeot 905 project in 1993. It won 19 from the 28 races in which it raced between 2007 and 2011.

"908 HDi FAP" reads as follows: 908 deals with the 90x series for racing cars at Peugeot; HDi is the acronym for [English] "High Pressure Direct Injection" (French: Injection directe à haute pression...

Aston Martin DBR9

its success at Sebring, finishing second behind a Corvette. A similar situation occurred at Le Mans as well. Despite not winning Sebring and Le Mans, Aston

The Aston Martin DBR9 is a racing car built by Aston Martin Racing, debuting in 2005 and racing actively in international sportscar racing until the end of GT1 category in 2011. The name DBR9 is derived from the original 24 Hours of Le Mans-winning DBR1 car, named for then-owner David Brown, which not only won the 24 Hour race in 1959 but also the World Sportscar title. The car is most famous for taking two LMGT1 class wins at Le Mans 24 Hours (2007 and 2008) by the Aston Martin Racing factory team.

Ferrari F430

and 2010 12 Hours of Sebring, at the 2008 and 2009 24 Hours of Le Mans, at the 2006, 2008, and 2009 24 Hours of Spa and at the 2008 and 2009 Petit Le Mans

The Ferrari F430 (Type F131) is a sports car produced by the Italian automobile manufacturer Ferrari

from 2004 until 2009 as a successor to the Ferrari 360. The car is an update to the 360 with exterior and performance changes. It was unveiled at the 2004 Paris Motor Show. The F430 was succeeded by the 458 which was unveiled on 28 July 2009. An estimated 16,750 F430s were produced between 2005 and 2009.

Kas Kastner

three factory stock TR4s, prepared them, and took them to the 12 Hours of Sebring, where they finished first, second, and fourth in the 2.5 GT class. When

Robert William Kastner (30 August 1928 – 11 April 2021), commonly known as R.W. Kastner or Kas Kastner, was a builder and tuner of racing cars, a racing driver, and an author. He also raced sailing boats competitively. At different times he was Director of Motorsports in the United States for both the Triumph Motor Company and Nissan. Kastner has been called one of the most influential Americans in the history of Triumph cars. He coined the maxim "Never be beaten by equipment."

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