



STEWART SF1-4 FORMULA 1 CAR

DRIVEN BY RUBENS BARRICHELLO

RACE WINNING MOTION CONTROL

This 1997 Formula 1 car [Chassis SF1-4] was driven by Rubens Barrichello and used Moog E050 series servovalves for the automated hydraulic control of:

- + Clutch
- + Gearshift
- + Differential
- + Throttle
- + Power assisted brakes

Today's Formula 1 cars use the new, more compact E024 series valve to control these functions. Typically, they also use the E024 series for the Drag Reduction System (DRS) which controls the moveable rear wing element. Seamless shift gearboxes utilise two Moog E024 series valves to move individual selector drums to further reduce gear-change times.

Moog also supply miniature hydro-mechanical Power Assisted Steering valves which are custom designed for each team.

The SF1-4 car has been owned by Moog since 2007. Silverstone is home to a sister car.

STEWART HISTORY



Rubens Barrichello (born May 23, 1972) is a Brazilian Formula 1 race driver who first started racing F1 cars in 1993 for Jordan.

After four years with Jordan, Barrichello joined the Stewart team. In his first year he achieved second place at the Monaco Grand Prix and in 1999 had three podium finishes, resulting in seventh overall. His performance in 1999 lead to him joining Ferrari in 2000 as the teammate of Michael Schumacher. Barrichello achieved second in both the 2002 and 2004 Drivers Championships with Ferrari.

In 2006 he joined Honda and in 2009 moved to Brawn, a move that enabled him to achieve third place in the Drivers Championship. Since 2010 Barrichello has been driving for Williams, where he is currently the most experienced driver in Formula 1 and the first to compete in 300 Grand Prix races.



The Stewart Grand Prix team was formed in 1996 by three times Formula 1 champion Sir Jackie Stewart and his son, Paul Stewart. It was set up as a Ford Works supported team but competed in Formula 1 for only three seasons, during which time the team achieved one win and one pole position.

At the end of 1999 Ford bought the team outright and it was renamed Jaguar Racing. In 2004, Jaguar racing was sold to energy drinks company Red Bull and now races as Red Bull Racing.



Sir 'Jackie' Stewart, OBE (born June 11, 1939), is a British former racing driver who competed in Formula 1 between 1965 and 1973. During his racing career he won three Grand Prix World Championships and 27 Grand Prix races. He also competed in the Cam-Am championship in the United States. Between 1997 and 1999 he was Principal of the Stewart Grand Prix Formula 1 racing team with his son, Paul Stewart.

DESIGNED FOR SEAMLESS INTEGRATION



E050 SERIES



E024 SERIES



E243 LINEAR PAS VALVE

MOOG

Shaping the way our world moves™