



2013 JAPANESE GRAND PRIX

From	The FIA Formula 1 Technical Delegate	Document	43
To	All Teams, All Officials	Date	13 October 2013
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Technical Report

The following parts have been replaced during the Parc Fermé yesterday and today:

Red Bull Racing Renault:

Car 01: Steering wheel
 Chassis loom
 Gearbox loom
 KCU
 DC bus loom
 MGU
 3-phase loom
 SECU and powerbox

Car 02: Pitot probe
 Pitot sensor calibration parameters

Ferrari:

Car 03: KERS unit
 Parameters associated with KERS unit change

Car 04: RHS bodywork panel around the gearbox
 Front horizontal mono damper

McLaren Mercedes:

Car 05: Gearbox oil filter
 Lock wire on water pipe clip

Car 06: Gearbox oil filter

Lotus Renault:

Car 08: KERS/KCU pack
Parameters associated with KERS pack change
Gearbox air cooling pipe connector
Ty-wrap from a hydraulic manifold hose
T-tray hatch

Mercedes:

Car 10: RHS rear calliper scoop duct

Sauber Ferrari:

Car 12: Steering wheel

Force India Mercedes:

Car 15: LHS airbox tridair and receptacle
LHS lower radiator duct seal

Williams Renault:

Car 16: LHS front damper potentiometer
RHS rear TPMS sensor
LHS front damper displacement sensor
LHS front damper displacement sensor zero value

Car 17: LHS front TPMS sensor
Chassis gyro sensor

Toro Rosso Ferrari:

Car 18: Brake lines
Brake pedal with front and rear master cylinder assemblies
Front and rear brake line pressure sensors and potentiometer
Brake balance system with position sensor
Calibration parameters for front and rear brake pressure sensors and brake balance position sensor
LHS and RHS pull-rods
LHS and RHS driveshafts
LHS and RHS top wishbones
LHS and RHS lower wishbones
LHS and RHS upright assemblies
LHS and RHS rear brake callipers
LHS and RHS rear upright electronics
Parameters associated with the replacement of the rear suspension
Front and rear rear brake discs and pads assemblies
Rear wing assembly
TAG320
PB2006
LIU
V2X
Rear central spring

Car 19: Auxiliary oil tank assembly
KERS oil pressure sensor
KERS oil pressure sensor calibration parameters
KERS oil pump
LHS front pushrod assembly
LHS front pushrod sensor and damper sensor zero values
Rear central spring

Caterham Renault:

Car 20: Ballast blade cover
O-rings in RHS fuel hatch

Marussia Cosworth:

Car 22: Gearbox hydraulic line saddle
LHS rear brake disc gap restrictor
Plank fixing insert

RHS front brake disc bell
Pitot tube
Engine oil scavenge pipe
Driver radio ground stub wire

Car 23: Engine heat shield bolt
RHS outer floor stay

All above parts have been replaced with the approval of the FIA technical delegate following a written request from the team concerned, this being in accordance with Article 34.1 of the 2013 Formula One Sporting Regulations.

Jo Bauer

The FIA Formula 1 Technical Delegate