

2023 BRITISH GRAND PRIX

07 - 09 July 2023

From The FIA Formula One Technical Delegate Document

To The Stewards Date 07 July 2023

Time 08:33

5

Title Technical Delegate's Report

Description PU elements used per driver up to now

Enclosed 11 GBR GP 23 TDR1.pdf

Jo Bauer

The FIA Formula One Technical Delegate



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Internal Combustion Fngine

ICF

To: The Stewards Date: 07 July 2023

Technical Delegate's Report

TC

Turbo Charger

The drivers entered in the 2023 Formula One Championship have used the below listed number of power unit elements during this season so far:

MGU-H Motor Generator Unit – Heat ES Energy Store EX Engine EXhaust system		MGU-K Motor Generator Unit – Kinetic CE Control Electronics						
Car	Driver	ICE	TC	MGU-H	MGU-K	ES	CE	EX
RBR RBPT	Max Verstappen	2	2	2	2	2	2	3
RBR RBPT	Sergio Perez	2	2	2	2	3	3	3
Ferrari	Charles Leclerc		3				4	4
Ferrari	Carlos Sainz			3				4
Mercedes	George Russell		2	2	2			3
Mercedes	Lewis Hamilton		2	2	2		2	3
Alpine Renault	Esteban Ocon							4
Alpine Renault	Pierre Gasly							5
McLaren Mercedes	Oscar Piastri							4
McLaren Mercedes	Lando Norris					2		5
			2	2	2	1	2	4
			2		2	1	1	4
Aston Martin Mercedes								3
Aston Martin Mercedes						2	2	3
	Kevin Magnussen		3	3	2	1	1	4
					3	1		4
		2	2	2	2		3	3
			3	3			2	3
								3
Williams Mercedes	Logan Sargeant	2	2	2	2	2	2	4
	H Motor Generator Unit Energy Store Engine EXhaust syste Car RBR RBPT RBR RBPT Ferrari Ferrari Mercedes Alpine Renault Alpine Renault McLaren Mercedes McLaren Mercedes Alfa Romeo Ferrari Alfa Romeo Ferrari Aston Martin Mercedes	H Motor Generator Unit – Heat Energy Store Engine EXhaust system Car RBR RBPT RBR RBPT Ferrari Ferrari Mercedes Mercedes Mercedes Alpine Renault Alpine Renault McLaren Mercedes Alfa Romeo Ferrari Alfa Romeo Ferrari Aston Martin Mercedes Aston Martin Mercedes Haas Ferrari Haas Ferrari AlphaTauri RBPT Williams Mercedes Mercedes Alexander Albon Motor Generator Unit – Heat Entert Heat Astor Strole Max Verstappen Mex Verstappen Max Verstappen Mex Verstappen Mex Verstappen Max Verstappen Max Verstappen Mex Verstappen Max Verstap	H Motor Generator Unit – Heat Energy Store Engine EXhaust system Car BRR RBPT RBR RBPT Sergio Perez Carlos Sainz Ferrari Carlos Sainz George Russell Lewis Hamilton Esteban Ocon Alpine Renault McLaren Mercedes Alfa Romeo Ferrari Alfa Romeo Ferrari Castos Sainz Alfa Romeo Ferrari Valtteri Bottas Alfa Romeo Ferrari Aston Martin Mercedes Lance Stroll Aston Martin Mercedes Haas Ferrari Kevin Magnussen Haas Ferrari AlphaTauri RBPT Nyck de Vries Allexander Albon Williams Mercedes Alexander Albon	H Motor Generator Unit – Heat Energy Store Engine EXhaust system Car RBR RBPT RBR RBPT Sergio Perez Carlos Sainz Ferrari Carlos Sainz George Russell Lewis Hamilton Carlos Renault Mercedes Alpine Renault McLaren Mercedes Alfa Romeo Ferrari Valteri Bottas Alfa Romeo Ferrari Charles Leclerc Carlos Sainz	H Motor Generator Unit – Heat Energy Store Engine EXhaust system Car RBR RBPT RBR RBPT Sergio Perez Carlos Sainz Ferrari Carlos Sainz Mercedes Me	H Motor Generator Unit – Heat Energy Store Engine EXhaust system Car Driver RBR RBPT RBR RBPT Sergio Perez Carlos Sainz Ferrari Carlos Sainz Mercedes George Russell Lewis Hamilton Carlon Renault Esteban Ocon Alpine Renault McLaren Mercedes Coscar Piastri Diver Mgu-H Mgu-K CE Control Electronics Control	H Motor Generator Unit – Heat Energy Store Engine EXhaust system Car Driver ICE TC MGU-H MGU-K ES RBR RBPT Max Verstappen 2 2 2 2 2 2 2 2 RBR RBPT Sergio Perez 2 2 2 2 2 2 3 Ferrari Charles Leclerc 3 3 3 3 2 3 Ferrari Carlos Sainz 3 3 3 2 2 Mercedes George Russell 2 2 2 2 2 2 2 Mercedes Lewis Hamilton 2 2 2 2 2 2 2 2 Alpine Renault Pierre Gasly 4 4 4 4 2 McLaren Mercedes Lando Norris 3 3 3 3 2 McLaren Mercedes Lando Norris 3 3 3 3 2 Alfa Romeo Ferrari Valtteri Bottas 3 2 2 2 2 2 2 Aston Martin Mercedes Lance Stroll 2 2 2 2 2 2 2 Aston Martin Mercedes Fernando Alonso 2 2 2 2 2 2 2 Alpha Ferrari Nico Hülkenberg 3 3 3 3 3 2 Alpha Tauri RBPT Nyck de Vries 2 2 2 2 2 3 Alita Romeo Mercedes Alexander Albon 3 3 3 3 3 2 Williams Mercedes Alexander Albon 3 3 3 3 3 3 2 Williams Mercedes Alexander Albon 3 3 3 3 3 3 3	H Motor Generator Unit – Heat Energy Store Engine EXhaust system Car Driver RBR RBPT Sergio Perez Carlos Sainz Ferrari Carlos Sainz Mercedes Car Mercedes Car Mercedes Car Mercedes Car Mercedes Carlos Sainz Mercedes Carlos Megu-K MGU-H MGU-K CE Control Electronics CE Control Electronics CE Control Electronics CE Carlos Megu-K CE Carlos Megu-K CE Control Electronics CE Carlos Megu-K CE Carlos Megu-K CE Carlos Megu-K CE Carlos Megu-K CE Control Electronics CE Carlos Megu-K CE Carlos Megu-K CE Carlos Megu-H MGU-K CE Carlos Carlos Carlos Carlos Carlos Carlos Carlos Carlos Carlos Car