Ypsilon RALLY4 — SET-UP - GRAVEL

Version: 2025-B

	unit.	FRONT Left	FRONT Right	REAR Left	REAR Right	Comments:
TYRES	Dimensions	17/65-15 LTX XL 92		17/65-15 LTX XL 92		Reference = Michelin
TYRE PRESSURE for set up	bar	2.0		2.0		*New tyres for RH's reference*

GEOMETRY

RIDE HEIGHT (RH)	mm	310,0		465,0			*RH's Target recommended (Measurement points end of page)*
Theoretical cup heights (CH)	mm	*150,0* ≤ x ≤ *155,0*		110,0 ≤ x ≤ 115,0			
*FRONT: **6** cup height rotation = **10mm** of RH*							
*REAR: **5** cup height rotation = **10mm** of RH*							
CAMBER	° '	-1°50	-1°50	-1°35	-1°35		
*Theorical camber shims **	mm	*5,5*	*5,5*	*7*	*7*		** Thickness may vary from vehicle to an other*
*FRONT: **0.1mm** of shim = **0°07'** to the wheel*							
*REAR: **1** shim step = **0°07'** to the wheel*							
TOE	mm	0,0	0,0	0,0	0,0		
*Theorical TOE Shims **	N°			*B*	*B*		** Thickness may vary from vehicle to an other*
*FRONT: **1/2** of rod rotation = 0.75mm of Rod length = **2.0mm** toe to the wheel.*							
*Camber/ Toe incidence: **- 0°30'** of camber variation = **+ 2.0mm** toe to the wheel.*							
*REAR: **1** Shim step = **1mm** to the wheel*							
*Camber/ Toe incidence: **- 0°07'** of camber variation = **- 0.4 mm** toe at the wheel*							
Wheelbase	mm	2553 (+/-10)					*Homologated value*

SUSPENSION

Minimum weight	Kg	W/o crew		1080		With Crew		1240		*Category RC4 values*
WHISHBONE	E1 Position	Low								*Low position = Mandatory*
MAIN SPRINGS	N/mm	40				36				
Helper springs	N/mm	5				5				
DAMPERS Setting (clicks)	Version	FG010				RG018				
	Ways	c	C	R	PDS	c	C	R	PDS	*Fully screw out of the number of clicks indicated*
	Clicks	30	30	30	2	30	30	30	2	
c= low speed compression / **C**= high speed compression / **R**= Rebound/ **PDS**= Progressive damping System (hydraulic)										
ANTIROLL BAR	mm	Ø	15			Ø	22			
ARB rod length	mm		*80*				*80*			

STEER

Steering rack height	mm	0,0	0,0		*Recommended default Shims heights*
M-POINT SPACER (HA)	mm	*1,0*	*1,0*		
M-POINT SPACER (BA)	mm	*5,0*	*5,0*		
Steering Pump nozzle	mm	Ø	4 mm		

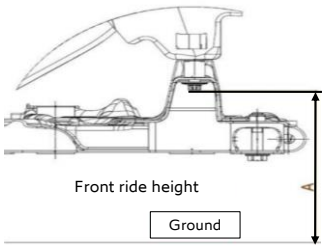
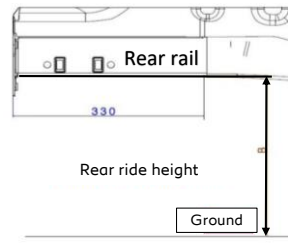
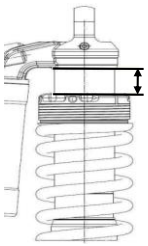
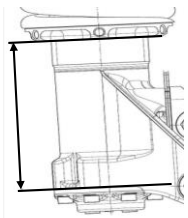
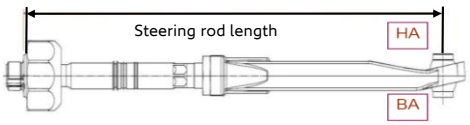
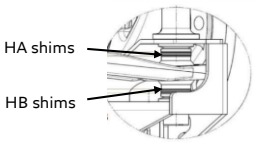
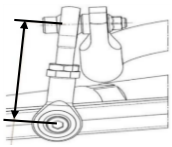
BRAKES

Main master cylinder	mm	Ø 22,22		
BRAKE PADS	Brand/model	TM / Mix 1	TM / Mix 1	
BRAKE BALANCE	bar	30	16	
Handbrake MC	mm		Ø 15mm	

TRANS

Gearbox Ratio	Gears	1	2	3	4	5	Final drive
	EVO Ratio	12x29	17x31	17x25	22x26	21x20	12x54
DIFFERENTIAL	Friction Faces	12 F	Ramps (°)	42/63	Preload	120 N.m	*Hot*

FLUID

Recommendations

	Type	Reference	Volume
Engine Oil :	0 W 30	PS97727A10	3.5 L (+1.5 L radia)
GearBox Oil :	75 W 140	904895438A	1 L (+0.1 L radia)
Steering Fluid :	LDS	1615099680	2 L
Coolant :	PSA -35°C	1637756480	6.5 L
Brake / Clutch Fluid :	BREMBO HTC64	PS97633A10