



## GYTR ACCESSORIES - SUPERSPORT



**GYTR<sup>®</sup>**  
GENUINE YAMAHA TECHNOLOGY RACING  
PERFORMANCE PRODUCTS





# 2021 YZF-R1 Racing Kit Parts

## 1. Basic engine parts

### Interchangeability

Part number	Part name	2015	2016	2017	2018	2019	2020	2021	Details
14B-R465B-70	SPARK PLUG SET	○	○	○	○	○	○	○	Set of spark plugs R0465B-10 of NGK.(Semi-surface discharge) The set contains 4 plugs.
B3L-12170-70	SHAFT CAM 1	×	×	×	×	×	○	○	Valve timing, Working angle, and Cam-profile have been changed to improve output. Use this together with original valve springs of YZF-R1. [IMPORTANT] Check the R1 PARTS COMBINATION TABLE for the combination. No other combination is allowed to use.
B3L-12180-70	SHAFT CAM 2	×	×	×	×	×	○	○	
B3L-12176-70	SPROCKET, CAM	○	○	○	○	○	○	○	This part is a sprocket for 2CR-12170/12180-70, B3L-12170/12180-70 SHAFT CAM. *Each shaft cam needs dedicated sprocket. Strength is increased from 2019 KIT.
B3L-1440B-70	AIR FUNNEL SET	×	×	×	×	×	○	○	This part is a set consists of a primary funnel and variable secondary funnel. [IMPORTANT] Check the R1 PARTS COMBINATION TABLE for the combination. No other combination is allowed to use.
2CR-A4890-70	AIS PLUG SET	○	○	○	○	○	○	○	These plugs need to be used when the AIS (Air Induction System) is removed.
B3L-F2590-70	WIRE HARNESS SET	×	×	×	×	×	○	○	This wire harness is designed for racing use, which is lighter weight than STD one. [IMPORTANT] Check the R1 PARTS COMBINATION TABLE for the combination. No other combination is allowed to use.
B3L-82386-70	WIRE, SUB-LEAD for TH INJECTOR	×	×	×	×	×	○	○	This part is for repair B3L-F2590-70 WIRE HARNESS SET.
B3L-82318-70	WIRE, SUB-LEAD for AC INJECTOR	×	×	×	×	×	○	○	This part is for repair B3L-F2590-70 WIRE HARNESS SET.
B3L-82309-70	WIRE, SUB-LEAD for IG.COIL	×	×	×	×	×	○	○	This part is for repair B3L-F2590-70 WIRE HARNESS SET.
2CR-8231Y-70	WIRE, LEAD for FUEL PUMP	○	○	○	○	○	○	○	This part is for repair B3L-F2590-70 WIRE HARNESS SET.
B3L-83553-70	WIRE, LEAD for METER	×	×	×	×	×	○	○	This part is for repair B3L-F2590-70 WIRE HARNESS SET.
B3L-2331W-70	BRKT, UPPER	×	×	×	×	×	○	○	This part is for repair B3L-F2590-70 WIRE HARNESS SET. For mounting the ECU to the frame.
B3L-2331X-70	BRKT, UNDER	×	×	×	×	×	○	○	This part is for repair B3L-F2590-70 WIRE HARNESS SET. For mounting the ECU to the frame.
B3L-8591A-71	ECU SET (2020-2021 KIT version ECU)	×	×	×	×	×	○	○	"By using this ECU with kit wire harness, it is possible to adjust the amount of fuel injection, ignition timing and etc. This ECU has two different mode and the mode can be switched ; SB (Superbike) and ST (SuperStock). CD-ROM, software manual and kit manual are included in this set. From 2019 kit , The manual is only for English and Japanese. [IMPORTANT] For SB:Check the R1 PARTS COMBINATION TABLE for the combination. No other combination is allowed to use. For ST:All the specs related to the engine need to be STANDARD spec. Software update from *-70"
2CR-8533A-70	CABLE INTERFACE	○	○	○	○	○	○	○	The cable for connecting ECU to PC which is USB type. The device driver of the cable interface is Windows 10 correspond

## 2. Optional engine Parts

### Interchangeability

Part number	Part name	2015	2016	2017	2018	2019	2020	2021	Details
B3L-100E0-00-RC	SPARE ENGINE, INCL TROTTLE BODIES	×	×	×	×	×	○	○	Spare engine for racing purpose only
B3L-MAINT-70	MAINTENANCE SET	×	×	×	×	×	○	○	"This set includes the anti stick cover gaskets and standard head gasket, base gasket, oil-seal and other parts for engine maintenance. With these parts you can rebuild 3 engines. The piston ring in this SET is modified from "-70." There is no interchangeability between "-70"and "-71". [CHANGE FROM 2020 3rd order round] Change the CYLINDER HEAD GSKT. 2CR-11181-00 > B3L-11181-00 Add the cylinder head bolt."
2CR-15451-70	GSKT COVER 1 (for repair)	○	○	○	○	○	○	○	This part is for repair
2CR-15461-70	GSKT COVER 2 (for repair)	○	○	○	○	○	○	○	This part is for repair
2CR-15456-70	GSKT 1 (for repair)	○	○	○	○	○	○	○	This part is for repair
2CR-15462-70	GSKT COVER 3 (for repair)	○	○	○	○	○	○	○	This part is for repair

Part number	Part name	2015	2016	2017	2018	2019	2020	2021	Details
2CR-116A0-71	PISTON SET(STD)	○	○	○	○	○	○	○	This piston set is uniform weight of four production pistons. Piston ring set, piston pin and circlip are included in this set. The piston and piston ring in this SET are modified from -70. There is no interchangeability between -70and-71. [IMPORTANT] Check the R1 PARTS COMBINATION TABLE for the combination. No other combination is allowed to use.
2CR-1165B-70	CONNECTING ROD SET(STD)	○	○	○	○	○	○	○	
B3L-11400-70	CRANK SHAFT (STD)	×	×	×	×	×	○	○	This crank shaft is optimum selected well balanced of the production crank shaft. [IMPORTANT] Check the R1 PARTS COMBINATION TABLE for the combination. No other combination is allowed to use.
2CR-13400-70	STRAINER COVER ASSY.	○	○	○	○	○	○	○	This part decreases the loss horsepower of an engine by deepening the bottom to lower the oil level, compare to the STD oil pan. This part requires the dedicated muffler, which will be sold by KRAPOVIC.
2CR-13410-71	STRAINER HSG.ASSY.	○	○	○	○	○	○	○	This part is for repair 2CR-13400-70 STRAINER COVER ASSY.
2CR-13576-70	SPACER	○	○	○	○	○	○	○	This part is for repair 2CR-13400-70 STRAINER COVER ASSY.
2CR-13418-70	PIPE,OIL 2	○	○	○	○	○	○	○	This part is for repair 2CR-13400-70 STRAINER COVER ASSY.
2CR-13416-71	PIPE,OIL 1	○	○	○	○	○	○	○	This part is for repair 2CR-13400-70 STRAINER COVER ASSY.
2CR-13161-70	PIPE,DELIVERY 1	○	○	○	○	○	○	○	This part is for repair 2CR-13400-70 STRAINER COVER ASSY.
2CR-1310A-70	PAN,OIL	○	○	○	○	○	○	○	This part is for repair 2CR-13400-70 STRAINER COVER ASSY.
2CR-13414-70	GASKET, STRAINER	○	○	○	○	○	○	○	This part is for repair 2CR-13400-70 STRAINER COVER ASSY.
2CR-13317-70	BAFFLE, PLATE	○	○	○	○	○	○	○	This part is for repair 2CR-13400-70 STRAINER COVER ASSY.
2CR-13428-70	BRKT.,STRAINER 1	○	○	○	○	○	○	○	This part is for repair 2CR-13400-70 STRAINER COVER ASSY.
B3L-16332-70	SPACER, CLUTCH SPRG.	○	○	○	○	○	○	○	This spacer is intended to reduce rear tire hopping during deceleration.  Please refer Kit R1 Mission Ratio sheet for details You can order each gear individually.
2CR-17401-70	MAIN AXLE ASSY.	○	○	○	○	○	○	○	
2CR-17121-70	GEAR 2ND PINION	○	○	○	○	○	○	○	
2CR-17131-70	GEAR 3RD PINION	○	○	○	○	○	○	○	
2CR-17151-70	GEAR 5TH PINION A	○	○	○	○	○	○	○	
2CR-17151-80	GEAR 5TH PINION B	○	○	○	○	○	○	○	
2CR-17161-70	GEAR 6TH PINION A	○	○	○	○	○	○	○	
2CR-17161-80	GEAR 6TH PINION B	○	○	○	○	○	○	○	
2CR-17402-00	DRIVE AXLE ASSY.(STD)	○	○	○	○	○	○	○	This drive axle is assembled bearings. (STD spec)  Please refer Kit R1 Mission Ratio sheet for details You can order each gear individually.
2CR-17211-70	GEAR 1ST WHEEL	○	○	○	○	○	○	○	
2CR-17221-70	GEAR 2ND WHEEL	○	○	○	○	○	○	○	
2CR-17231-70	GEAR 3RD WHEEL	○	○	○	○	○	○	○	
2CR-17241-70	GEAR 4TH WHEEL	○	○	○	○	○	○	○	
2CR-17251-70	GEAR 5TH WHEEL A	○	○	○	○	○	○	○	
2CR-17251-80	GEAR 5TH WHEEL B	○	○	○	○	○	○	○	
2CR-17261-70	GEAR 6TH WHEEL A	○	○	○	○	○	○	○	
2CR-17261-80	GEAR 6TH WHEEL B	○	○	○	○	○	○	○	
2CR-A7000-70	MISSION MAINTENANCE SET	○	○	○	○	○	○	○	This set includes 5 sets of circlip and 3 sets of collar, washer and bearings. This is a lightweight drive sprocket. There are 3 types of sprockets (14,15 and 16) for size 520 drive chain.
2CR-17460-74	SPROCKET DRIVE, 14T fits 520 chain	○	○	○	○	○	○	○	
2CR-17460-75	SPROCKET DRIVE, 15T fits 520 chain	○	○	○	○	○	○	○	
2CR-17460-76	SPROCKET DRIVE, 16T fits 520 chain	○	○	○	○	○	○	○	
2CR-A7463-70	SPROCKET NUT SET, to be used with kit sprocket drive	○	○	○	○	○	○	○	This part is for the drive sprocket of the kit. This set includes 3sets of nut and washer.







Part number	Part name	2015	2016	2017	2018	2019	2020	2021	Details
BX4-F4350-71	HEAD LIGHT HARNESS SET	○	○	○	○	○	○	○	This set is for endurance racing. It has two circuits in the system. And it has an independent switch to turn on the taillight in case of emergency. Use this set together with the kit wire-harness. The branch of the battery connection lead has been changed from 2019 KIT.
5GF-83976-00	SPARE SWITCH HANDLE, ON/OFF	○	○	○	○	○	○	○	
									Extra spare on/off switch for power or light

3. Optional chassis parts

Interchangeability

Part number	Part name	2015	2016	2017	2018	2019	2020	2021	Details
BN6-23141-75	SPRING, FR. FORK (9.5N/mm)	×	×	×	×	×	○	○	This spring is for standard type front fork setting parts. There is 2 different spring rate setting.
BN6-23141-80	SPRING, FR. FORK (10.0N/mm)	×	×	×	×	×	○	○	
13S-24713-70	CUSHION SEAT	○	○	○	○	○	○	○	This cushion seat is nonslip type sponge with dimples.
B3L-26243-70	TUBE, GUIDE	×	×	×	×	×	○	○	This part is for making short stroke throttle. Use this together with standard type cap grip.
2CR-22222-A0	SPRING REAR SHOCK (83N/mm)	○	○	○	○	○	○	○	This spring is for standart type rear shock absorber setting parts. There is 5 different spring rate setting.
2CR-22222-70	SPRING REAR SHOCK (93N/mm)	○	○	○	○	○	○	○	
2CR-22222-75	SPRING REAR SHOCK (98N/mm)	○	○	○	○	○	○	○	
2CR-22222-80	SPRING REAR SHOCK (103N/mm)	○	○	○	○	○	○	○	
2CR-22222-85	SPRING REAR SHOCK (108N/mm)	○	○	○	○	○	○	○	
2CR-25100-70	Fr SPARE WHEEL ASSY	○	○	○	○	○	○	○	This is standard type front wheel assembly which is assembled the bearings. The brake discs are not included. The rotor sensor are included.
B3L-25300-70	Rr SPARE WHEEL ASSY	○	○	○	○	○	○	○	This is standard type rear wheel assembly which is assembled the bearings. The brake discs and the rotor sensor are included. Strength is increased from 2019 KIT.
2CR-25438-70	Rr. SPROCKET 38T	○	○	○	○	○	○	○	#520 38T
2CR-25439-70	Rr. SPROCKET 39T	○	○	○	○	○	○	○	#520 39T
2CR-25440-70	Rr. SPROCKET 40T	○	○	○	○	○	○	○	#520 40T
2CR-25441-70	Rr. SPROCKET 41T	○	○	○	○	○	○	○	#520 41T
2CR-25442-70	Rr. SPROCKET 42T	○	○	○	○	○	○	○	#520 42T
2CR-25443-70	Rr. SPROCKET 43T	○	○	○	○	○	○	○	#520 43T
2CR-25444-70	Rr. SPROCKET 44T	○	○	○	○	○	○	○	#520 44T
2CR-25445-70	Rr. SPROCKET 45T	○	○	○	○	○	○	○	#520 45T
2CR-25446-70	Rr. SPROCKET 46T	○	○	○	○	○	○	○	#520 46T
2CR-25447-70	Rr. SPROCKET 47T	○	○	○	○	○	○	○	#520 47T
2CR-25448-70	Rr. SPROCKET 48T	○	○	○	○	○	○	○	#520 48T
2CR-25449-70	Rr. SPROCKET 49T	○	○	○	○	○	○	○	#520 49T
2CR-28130-70	REPAIR SET for 2015~2017 YZF-R1	○	○	○	×	×	×	×	Meter, Sw.Handle, Rotor Sensor and Fr. Wheel Sensor Assy are included. (STD spec) FOR 2015~2017 YZF-R1.
BX4-28130-80	REPAIR SET for 2018-2019 YZF-R1	×	×	×	○	○	×	×	Meter, Sw.Handle, Rotor Sensor and Fr. Wheel Sensor Assy are included. (STD spec) FOR 2018~2019 YZF-R1.
B3L-28130-70	REPAIR SET for 2020 YZF-R1	×	×	×	×	×	○	○	Meter, Sw.Handle, Rotor Sensor and Fr. Wheel Sensor Assy are included. (STD spec) FOR 2020 YZF-R1.
2KS-28130-70	REPAIR SET for 2015~2017 YZF-R1M	○	○	○	×	×	×	×	Meter, Sw.Handle, Rotor Sensor and Fr. Wheel Sensor Assy are included. (STD spec) FOR 2015~2017 YZF-R1M.
2KS-28130-80	REPAIR SET for 2018~2019(YZF-R1M	×	×	×	○	○	×	×	Meter, Sw.Handle, Rotor Sensor and Fr. Wheel Sensor Assy are included. (STD spec) FOR 2018~2019 YZF-R1M.
B4S-28130-70	REPAIR SET for 2020(YZF-R1M	×	×	×	×	×	○	○	Meter, Sw.Handle, Rotor Sensor and Fr. Wheel Sensor Assy are included. (STD spec) FOR 2020 YZF-R1M.
2KS-82509-70	WIRE, SUB LEAD for 2KS	○	○	○	○	○	○	○	This part is for connecting Electric Racing Suspension (STD).
2KS-88107-00	SPARE GPS UNIT	○	○	○	○	○	○	○	Spare GPS Antenna
2KS-85800-72	CCU (Communication Control Unit) SET	○	○	○	○	○	○	○	A KIT that has a function of analogue channel (2 channels) added to the CCU of 2KS (YZF-R1M). This can be used to measure air-fuel ratio or suspension stroke amount, etc. (Sensors nesecary for the measure- ment have to be purchased separately) An analog channel connector (2 PIN female) is added from -71.





Revs Your Heart



YAMAHA

YZF-R1

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CP4

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Part number	Part name	2015	2016	2017	2018	2019	2020	2021	Details
<b>4. Old model parts</b>		<b>Interchangeability</b>							
Part number	Part name	2015	2016	2017	2018	2019	2020	2021	Details
2CR-F2590-70	WIRE HARNESS SET for 2015-2017 YZF-R1	○	○	○	×	×	×	×	This is kit wire harness set for 2015~2017 YZF-R1
2CR-8591A-72	ECU SET for 2015-2017 YZF-R1	○	○	○	×	×	×	×	This is kit ECU set for 2015~2017 YZF-R1
BX4-F2590-70	WIRE HARNESS SET for 2018-2019 YZF-R1	×	×	×	○	○	×	×	This is kit wire harness set for 2018~2019 YZF-R1
BX4-8591A-70	ECU SET for 2018-2019 YZF-R1	×	×	×	○	○	×	×	This is kit ECU set for 2018~2019 YZF-R1

<b>5. Additional Racing parts</b>		<b>Interchangeability</b>							
Part number	Part name	2015	2016	2017	2018	2019	2020	2021	Details
B3LFRACF1000	GYTR RACE COWLING YZF-R1 (MY20-)	○	○	○	○	○	○	○	Glass fiber carbon reinforced Race Cowling / fits my 2020, and fits my 2015-2019 when using 2020 air intake and cowling brackets
B3LFRACFTF00	GYTR RACE COWL R1 TOP FAIRING	○	○	○	○	○	○	○	Spare part
B3LFRACFLP00	GYTR R1 COWL SPARE LEFT PANEL	○	○	○	○	○	○	○	Spare part
B3LFRACFRP00	GYTR R1 COWL SPARE RIGHT PANEL	○	○	○	○	○	○	○	Spare part
B3LFRACFRR00	GYTR COWL LEFT SIDE SEAT PANEL	○	○	○	○	○	○	○	Spare part
B3LFRACFLR00	GYTR COWL RIGHT SIDE SEATPANEL	○	○	○	○	○	○	○	Spare part
B3LFRACFLF00	GYTR R1 COWL R1 LOWER FAIRING	○	○	○	○	○	○	○	Spare part
B3LFRACFTP00	GYTR R1 COWL TOP SEAT PANEL	○	○	○	○	○	○	○	Spare part
B3LFRACFLS00	GYTR R1 COWL LOWER SEAT PANEL	○	○	○	○	○	○	○	Spare part
B3LFRACFSS00	GYTR R1 SEAT SUPPORT BRACKET	○	○	○	○	○	○	○	Spare part
B3LFRACFSP00	GYTR SEAT CUSHION	○	○	○	○	○	○	○	Spare part
TBC	SET FIXING BRACKETS + DZUS	○	○	○	○	○	○	○	Spare part
907983332200	YZF-R1 Trackday Muffler set below 100Db noise level	○	○	○	○	○	○	○	Akrapovic Titanium muffler, incl fitting kit Needs additional linkpipe
907983332020	R1 Linkpipe for Racing, EVO2 & EVO3 headers	○	○	○	○	○	○	○	Akrapovic Titanium Linkpipe to fit Racing, EVO2 & EVO3 headers
907983332030	R1 Linkpipe for OEM/STD headers	○	○	○	○	○	○	○	Akrapovic Titanium Linkpipe to fit OEM/STD headers
907983332040	R1 Link pipe for OEM/STD header and Muffler	○	○	○	○	○	○	○	Akrapovic Titanium Linkpipe for Stock sytem for Catalysor removal
907983332000	YZF-R1 FULL EVO3 SYSTEM TI MUFFLER	○	○	○	○	○	○	○	Akrapovic Full EVO 3 Race system / Titanium
907983331300	YZF-R1 FULL RACE SYSTEM TI MUFFLER	○	○	○	○	○	○	○	Akrapovic Stainless steel Race system
907983331200	YZF-R1 FULL EVO 2 SYSTEM	○	○	○	○	○	○	○	Akrapovic Full EVO 2 Race system / Titanium
FGRT21000000	Ohlins Front Fork FGRT 200	○	○	○	○	○	○	○	Racing frontfork
YA4680000000	Ohlins Rear shock TTX36GP for R1 and R1/M	○	○	○	○	○	○	○	for R1 and R1/M (non Electronic) V2
FKR102000000	Ohlins Cart. Kit Spring pressurised for KYB fork	○	○	○	○	○	○	○	Model Year 2015 -2020 / 3 x spring set included 95/10/05
FKR103000000	Ohlins Cart. Kit Spring pressurised for R1M	○	○	○	○	○	×	×	Model year 2015 - 2019 (non Electronic) / 3 x spring set included 95/10/05
FKR126000000	Ohlins Cart. Kit Spring pressurised for R1M	×	×	×	×	×	○	○	Model year 2020 - (non Electronic) / 3 x spring set included 95/10/05
FGK234000000	Ohlins Cart. Kit NIX 30, see note below for R1M	○	○	○	○	○	×	×	Model Year 2015 -2019 (non Electronic)





Part number	Part name	2015	2016	2017	2018	2019	2020	2021	Details
FGK235000000	Ohlins Cart. Kit NIX 30, see note below for R1	○	○	○	○	○	×	×	Model Year 2015 -2019
FGK2390000000	Ohlins Cart. Kit NIX 30, see note below for R1	×	×	×	×	×	○	○	Model year 2020 -
SPR087908500	Ohlins FF spring kit 8,5N/mm for NIX 30	○	○	○	○	○	○	○	
SPR087909000	Ohlins FF spring kit 9N/mm for NIX 30	○	○	○	○	○	○	○	
SPR087909500	Ohlins FF spring kit 9,5N/mm for NIX 30	○	○	○	○	○	○	○	
SPR087901000	Ohlins FF spring kit 10N/mm for NIX 30	○	○	○	○	○	○	○	
SD0470000000	Ohlins Steering damper	○	○	○	○	○	○	○	
SD0430000000	Ohlins Steering damper electronic for R1/M	○	○	○	○	○	○	○	
2CRFFRST0000	Paddock stand Front	○	○	○	○	○	○	○	New black coating / new wheels / R-series plate
2CRFFRST1000	Paddock Stand Rear	○	○	○	○	○	○	○	need paddock stand hooks 2CRF71A00000
2CRF71A00000	Paddock Stand hooks	○	○	○	○	○	○	○	
BN6FSFIN0000	Rear Sprocket Guard / Shark Fin	○	○	○	○	○	○	○	
BN6FFBRP0000	Front Brake Lever Guard	○	○	○	○	○	○	○	for OEM Handlebars
GYTRBRGU0000	GYTR BRAKE LEVER GUARD R SERIE	○	○	○	○	○	○	○	for GYTR R1 Handlebars
2CRFFBRL2000	Foldable fully adjustable Front Brake Lever	○	○	○	○	○	○	○	Blue detail
BN6FCLLV0000	Foldable fully adjustable Clutch Lever	○	○	○	○	○	○	○	Blue detail
2CRFFBRL1000	Foldable fully adjustable Front Brake Lever	○	○	○	○	○	○	○	Titanium detail
BN6FCLLV0001	Foldable fully adjustable Clutch Lever	○	○	○	○	○	○	○	Titanium detail
2CRFRMCT1000	Front Brake Lever Remote Control Kit	○	○	○	○	○	○	○	
2CRFFAXP0000	Front Axle Protection Kit	○	○	○	○	○	○	○	
BN6FRAXP0000	Rear Axle Protection Kit	○	○	○	○	○	○	○	
2CRFCRCP0000	Billet L/H Crankcase Protector	○	○	○	○	○	○	○	
2CRFRCCP1000	Billet R/H Crankcase Protector	○	○	○	○	○	○	○	
2CRFGRIP0000	SIDE TANK GRIP YZF-R1	○	○	○	○	○	○	○	Helps rider under hard braking
BX4RRSET1000	GYTR YZF-R1 Race Rear Set	○	○	○	○	○	○	○	High Quality race focussed easy adjustable rear set, incl EVO2 Bracket
<i>BX4RSSPLS100</i>	<i>Race Rear Set / Spare left side Assy</i>	○	○	○	○	○	○	○	
<i>BX4RSSPRS100</i>	<i>Race Rear Set / Spare right side Assy</i>	○	○	○	○	○	○	○	
<i>BX4RSSPL0100</i>	<i>Race Rear Set / Spare footpeg Assy Left</i>	○	○	○	○	○	○	○	(peg, bolt, cap)
<i>BX4RSSPR0100</i>	<i>Race Rear Set / Spare footpeg Assy Right</i>	○	○	○	○	○	○	○	(peg, bolt, cap)
<i>BX4EVO2BRK00</i>	<i>Race Rear Set Muffler bracket Akra EVO2 syst</i>	○	○	○	○	○	○	○	
<i>B3LEV03BRK00</i>	<i>Race Rear Set Muffler bracket Akra EVO3 syst</i>	○	○	○	○	○	○	○	
GYTRHDLBR100	GYTR YZF-R1 Race Handlebars (Set)	○	○	○	○	○	○	○	GYTR black coated High performance handlebar set
GYTRHDLBRL00	GYTR Race Handlebar Left	○	○	○	○	○	○	○	Spare part
GYTRHDLBRR00	GYTR Race Handlebar Right	○	○	○	○	○	○	○	Spare part
GYTRSTSPR100	GYTR Steering stopper / limiter	○	○	○	○	○	○	○	limits steering angle (3 settings possible)
GYTTOPYOKE00	GYTR Top Yoke (without key hole)	○	○	○	○	○	○	○	
GYTFUELCAPO0	GYTR keyless fuel cap	○	○	○	○	○	○	○	
GYTSPACRRF00	GYTR Fixed wheels spacer set Front	○	○	○	○	○	○	○	Fixed wheel spacers for easy wheel change
GYTSPACR1R00	GYTR Fixed wheels spacer set Rear	○	○	○	○	○	○	○	Fixed wheel spacers for easy wheel change
GYTUNDERSL00	GYTR underslung bracket rear caliper set	○	○	○	○	○	○	○	incl left & right chain adjusters, underslung for oem rear caliper, 3 x fixed wheel spacers, rear brakeline, chain holder
GYTABSEMR100	YZF-R1 ABS EMULATOR 2015-2019	○	○	○	○	○	○	○	Allows removal ABS system
GYTABSEMR110	YZF-R1 ABS EMULATOR 2020 -	○	○	○	○	○	○	○	Allows removal ABS system
GYTRHBSWLR10	GYTR Handlebar Switch Left (2015-2020)	○	○	○	○	○	○	○	Race Handlebar switch
GYTRHBSWRR10	GYTR Handlebar Switch Right (2015-2019)	○	○	○	○	○	○	○	Race Handlebar switch
GYTRHBSWR100	GYTR Handlebar Switch Right (2020)	○	○	○	○	○	○	○	Under development
TBC	GYTR YZF-R1 RACE RADIATOR								For improved cooling
TBC	GYTR/GB RACING Crankcase cover protector set								Set of 3 covers for crankcase







R1 PARTS COMBINATION TABLE

MODEL	SHAFT CAM 1 (INT)	SHAFT CAM 2 (EXT)	VALVE SPRING SET	AIR FUNNEL SET	ECU SET	WIRE HARNESS SET	METER(REPAIR SET)
2015	2CR-12170-70	2CR-12180-70	2CR-A2110-70 2CR-A2110-71	MGC-191114-00	2CR-8591A-70	2CR-F2590-70	R1:2CR-83500-00
2016				2CR-1440B-70	2CR-8591A-71		(SET No.2CR-28130-70)
2017					2CR-8591A-72		R1M:2KS-83500-00 (2KS-28130-70)
2018	2CR-12170-70	2CR-12180-70	2CR-A2110-71	2CR-1440B-70	BX4-8591A-70	BX4-F2590-70	R1:BX4-83500-30
2019					BX4-8591A-71		(SET No.B3L-28130-70)
R1M:2KS-83500-60 (SET No.2KS-28130-80)							
2020	B3L-12170-70	B3L-12180-70	Use with original valve springs of YZF-R1. BX4-12113-00 BX4-12114-00 BX4-12123-00 BX4-12124-00	B3L-1440B-70	B3L-8591A-70	B3L-F2590-70	R1:B3L-83500-00
2021							(SET No.B3L-28130-70)
R1M:B4S-83500-00 (SET No.B4S-28130-70)							

MODEL	PISTON SET	CONNECTING ROD SET	CRANK SHAFT
2015	2CR-116A0-70	2CR-1165B-70	2CR-11400-70
2016	2CR-116A0-71		2CR-11400-71
2017			
2018			
2019			
2020 - 2021			B3L-11400-70

R1 MISSION RATIO

GEAR	Ratio	Pinion			Wheel		
		Parts No.	Teeth	Stamp	Parts No.	Teeth	Stamp
1st	2,438	2CR-17401-70	16	U7-1PC-0	2CR-17211-70	39	U7-1WC-0
2nd	2,059	2CR-17121-70	17	U7-2PD-0	2CR-17221-70	35	U7-2WD-0
3rd	1,789	2CR-17131-70	19	U7-3PC-0	2CR-17231-70	34	U7-3WC-0
4th	1,571		21	U7-4PC-0	2CR-17241-70	33	U7-4WC-0
5th (A)	1,455	2CR-17151-70	22	U7-5PCX-0	2CR-17251-70	32	U7-5WCX-0
5th (B)	1,409	2CR-17151-80	22	U7-5PH-0	2CR-17251-80	31	U7-5WH-0
6th (A)	1,364	2CR-17161-70	22	U7-6PCX-0	2CR-17261-70	30	U7-6WCX-0
6th (B)	1,320	2CR-17161-80	25	U7-6PI-0	2CR-17261-80	33	U7-6WI-0

R1 GEAR RATIO

	STD	KIT
1st	39 / 15 (2,600)	39 / 16 (2,438)
2nd	37 / 17 (2,176)	35 / 17 (2,059)
3rd	35 / 19 (1,842)	34 / 19 (1,789)
4th	30 / 19 (1,579)	33 / 21 (1,571)
5th (A)	29 / 21 (1,381)	32 / 22 (1,455)
5th (B)		31 / 22 (1,409)
6th (A)	30 / 24 (1,250)	30 / 22 (1,364)
6th (B)		33 / 25 (1,320)





# 2021 YZF-R6 Racing Kit Parts

## 1. Basic engine parts

## Interchangeability

Part number	Part name	2016	2017~2021	Details
5FL-R045Q-70	SPARK PLUG SET	○	○	Set of spark plugs R0045Q-10 of NGK.(Semi-surface discharge) The set contains 4 plugs.
13S-R373A-70	SPARK PLUG SET	○	○	Set of spark plugs R0373A-10 of NGK.(Angled ground strap type) The set contains 4 plugs.
2C0-11181-76	GASKET CYLINDER HEAD, t=0.45mm	○	○	This gasket is made to adjust the squish height. t =0.45 mm (Standard: t =0.60 mm)
2C0-12171-73	CAMSHAFT 1 (intake), modified duration, standard lift	○	○	Working angle , lift and Cam-profile have been changed to improve output. [IMPORTANT] Check the R6 PARTS COMBINATION TABLE for the combination. No other combination is allowed to use.
2C0-12181-71	CAMSHAFT 2 (exhaust), modified duration, standard lift	○	○	
2C0-12176-80	SPROCKET CAM 1	○	○	This is used to adjust intake and exhaust valve timing. This part is a sprocket for 2C0-12171-73/2C0-12181-71 CAMSHAFT. *Each shaft cam needs dedicated sprocket.
2C0-12177-80	SPROCKET CAM 2	○	○	
2C0-A2110-70	VALVE SPRING SET	○	○	Use this set together with 2C0-12171-73/2C0-12181-71 CAMSHAFT. [IMPORTANT] Check the R6 PARTS COMBINATION TABLE for the combination. No other combination is allowed to use.
BN6-1440B-70	AIR FUNNEL SET	○	○	This part is a set consists of a primary funnel and variable secondary funnel. The shape of primary funnel is same as MGC-A300908-10, shape of secondary funnel is same as MGC-A300912-00. Manufacturing method is different from the above two products. [IMPORTANT] Check the R6 PARTS COMBINATION TABLE for the combination. No other combination is allowed to use.
13S-A4890-70	AIS PLUG SET	○	○	These plugs need to be used when the AIS (Air Induction System) is removed.
2C0-A6330-70	CLUTCH SPRING SET	○	○	This parts is higher spring rate than standard springs.
2C0-F1400-71	ACM SET	○	○	This is a small inner rotor type generator. ACM cover is included.
2C0-15411-71	COVER, with improved ground clearance (included in ACM SET)	○	○	<i>This part is for repair (included in ACM set)</i>
BN6-F2590-70	WIRE HARNESS SET	×	○	This wire harness is designed for racing use, which is lighter weight than STD one. [IMPORTANT] Check the R6 PARTS COMBINATION TABLE for the combination. No other combination is allowed to use.
BN6-82386-70	WIRE, SUBLEAD for TH INJECTOR	×	○	<i>This part is for repair of wire harness set BN6-F2590-70</i>
BN6-83553-70	WIRE, LEAD for METER	×	○	<i>This part is for repair of wire harness set BN6-F2590-71</i>
2CR-8231Y-70	WIRE, LEAD for FUEL PUMP	×	○	<i>This part is for repair of wire harness set BN6-F2590-72</i>
BN6-8591A-71	ECU SET for SS (Following WSS rule)	×	○	By using this ECU with kit wire harness, it is possible to adjust the amount of fuel injection, ignition timing and etc. This ECU is for SS (SuperSport). TCS / LIF function can not be used. CD-ROM, software manual and kit manual are included in this set. From 2019 kit , The manual is only For English and Japanese. [CHANGE FROM 2018] Improved SPEED SHIFT. [IMPORTANT] For SS:Check the R6 PARTS COMBINATION TABLE for the combination. No other combination is allowed to use.



Part number	Part name	2016	2017~2021	Details
BN6-8591A-A1	ECU SET for STK	×	○	By using this ECU with kit wire harness, it is possible to adjust the amount of fuel injection, ignition timing and etc. This ECU is for STK (SuperStock). TCS / LIF function can be used. CD-ROM, software manual and kit manual are included in this set. From 2019 kit , The manual is only for English and Japanese. [CHANGE FROM 2018] Improved SPEED SHIFT. [IMPORTANT] For STK:All the specs related to the engine need to be STANDARD spec.
BN6-8591A-B0	ECU SET for STK (TCS/LIF off)	×	○	By using this ECU with kit wire harness, it is possible to adjust the amount of fuel injection, ignition timing and etc. This ECU is for STK (SuperStock). TCS / LIF function can not be used. CD-ROM, software manual and kit manual are included in this set. From 2019 kit , The manual is only for English and Japanese. [CHANGE FROM 2018] Improved SPEED SHIFT. [IMPORTANT] For STK:All the specs related to the engine need to be STANDARD spec.
2CR-8533A-70	CABLE INTERFACE	○	○	The cable for connecting ECU to PC which is USB type. The device driver of the cable interface is Windows 8 correspond

## 2. Optional engine parts Interchangeability

Part number	Part name	2016	2017~2021	Details
BN6-A00E0-00-RC	SPARE ENGINE YZF-R6 2017-2020	×	○	Spare Engine for Racing use only (incl Injection System)
2C0-MAINT-71	MAINTENANCE SET	○	○	This set includes the kit head-gasket (t =0.45mm), anti stick cover gaskets, oil-seal and other parts for engine maintenance. With this material you should be able to rebuild 3 engines.
2C0-15451-70	GASKET, C/C COVER 1 (for repair)	○	○	This part is for repair
2C0-15461-70	GASKET, C/C COVER 2 (for repair)	○	○	This part is for repair
2C0-15456-70	GASKET 1 (for repair)	○	○	This part is for repair
2C0-13414-70	GASKET, STRAINER (for repair)	○	○	This part is for repair
2C0-11181-71	GASKET, CYLINDER HEAD t=0.40mm	○	○	These parts are used to adjust the squish height.
2C0-11181-81	GASKET, CYLINDER HEAD t=0.50mm	○	○	
2C0-11181-86	GASKET, CYLINDER HEAD t=0.55mm	○	○	
13S-116A0-70	PISTON SET (STD)	○	○	This piston set is uniform weight of four production pistons.
13S-1165B-70	CONNECTING ROD SET (STD)	○	○	This connecting rod set is uniform weight of four production connecting rod.
2C0-11411-70	CRANK SHAFT (STD)	○	○	This crank shaft is optimum selected well balanced of the production crank shaft.
2C0-13300-70	OIL PUMP ASSY	○	○	This oil pump creates high oil pressure.
2C0-1351A-70	THROTTLE BODY CLAMP ASSY	○	○	This part is used for easy disassembly of the throttle body from the engine.
4B1-A6377-70	SLIPPER CLUTCH SETTING SET	○	○	This set includes the nut lock and shim (3pcs). To adjust setting for OEM Back torque limiter
4B1-16377-70	NUT LOCK (for repair)	○	○	This part is for repair
4B1-16391-70	SHIM (for repair)	○	○	This part is for repair
2C0-A6321-70	FRICTION PLATE SET	○	○	This plate is designed to improve clutch feeling and durability. 1 set has 9plates.
2C0-17411-80-A	AXLE MAIN A	○	○	Please refer Kit R6 Mission Ratio sheet for details You can order each gear individually.
2C0-17411-90-B	AXLE MAIN B	○	○	
2C0-17121-80-A	GEAR 2ND PINION A	○	○	
2C0-17121-90-B	GEAR 2ND PINION B	○	○	
2C0-17131-80-A	GEAR 3RD PINION A	○	○	
2C0-17131-71-B	GEAR 3RD PINION B	○	○	
2C0-17131-90-C	GEAR 3RD PINION C	○	○	
2C0-17151-71-A	GEAR 5TH PINION A	○	○	
2C0-17151-80-B	GEAR 5TH PINION B	○	○	
2C0-17151-90-C	GEAR 5TH PINION C	○	○	
2C0-17161-70-A	GEAR 6TH PINION A	○	○	
2C0-17161-90-C	GEAR 6TH PINION C	○	○	

Part number	Part name	2016	2017~2021	Details
2C0-17402-70	DRIVE AXLE ASSY	○	○	This drive axle is assembled bearings. (STD spec)
2C0-17211-80-A	GEAR 1ST WHEEL A	○	○	Please refer Kit R6 Mission Ratio sheet for details You can order each gear individually.
2C0-17211-90-B	GEAR 1ST WHEEL B	○	○	
2C0-17221-81-A	GEAR 2ND WHEEL A	○	○	
2C0-17221-90-B	GEAR 2ND WHEEL B	○	○	
2C0-17231-80-A	GEAR 3RD WHEEL A	○	○	Please refer Kit R6 Mission Ratio sheet for details You can order each gear individually.
2C0-17231-70-B	GEAR 3RD WHEEL B	○	○	
2C0-17231-90-C	GEAR 3RD WHEEL C	○	○	
2C0-17241-80-A	GEAR 4TH WHEEL A	○	○	
2C0-17241-70-B	GEAR 4TH WHEEL B	○	○	
2C0-17241-90-C	GEAR 4TH WHEEL C	○	○	
2C0-17251-71-A	GEAR 5TH WHEEL A	○	○	
2C0-17251-80-B	GEAR 5TH WHEEL B	○	○	
2C0-17251-90-C	GEAR 5TH WHEEL C	○	○	
2C0-17261-71-A	GEAR 6TH WHEEL A	○	○	
2C0-17261-80-B	GEAR 6TH WHEEL B	○	○	
2C0-17261-90-C	GEAR 6TH WHEEL C	○	○	
2C0-A7000-70	MISSION MAINTENANCE SET	○	○	This set includes 5sets of circlip and 3sets of collar, washer and bearings.
2C0-17460-74	SPROCKET DRIVE, 14T fits 520 chain	○	○	This is a lightweight drive sprocket. There are 3 types of sprockets (14, 15 and 16T) for size 520 drive chain.
2C0-17460-75	SPROCKET DRIVE, 15T fits 520 chain	○	○	
2C0-17460-76	SPROCKET DRIVE, 16T fits 520 chain	○	○	This part is for the drive sprocket of the kit with lock washer.
2C0-A7463-70	SPROCKET NUT SET, to be used with kit SPROCKET DRIVE	○	○	

3. Optional chassis parts		Interchangeability		
Part number	Part name	2016	2017~2021	Details
2C0-C1707-81	OIL CATCH TANK SET, aluminium	○	○	This is a catch tank made of aluminum. Possible to use for 2008 to 2020 model
BN6-23151-75	SPRING, Fr. FORK(9.5N/mm)	×	○	This spring is for standard type front fork setting parts.
BN6-23151-80	SPRING, Fr. FORK(10.0N/mm)	×	○	
13S-24713-70	CUSHION SEAT	×	○	This cushion seat is nonslip type sponge with dimples.
2CR-26243-70	TUBE, GUIDE	○	○	This part is for making short stroke throttle. Use this together with standard type wire throttle and cap grip, etc.
BN6-22222-75	SPRING RR. SHOCK(108N/mm)	×	○	This spring is for standart type rear shock absorber setting parts.  *BN6-22222-70 (103N/mm STD) has been discontinued.
BN6-22222-80	SPRING RR. SHOCK(113N/mm)	×	○	
BN6-22222-85	SPRING RR. SHOCK(118N/mm)	×	○	
BN6-25100-70	Fr SPARE WHEEL ASSY for BN6	×	○	This is standard type front wheel assembly which is assembled the bearings. The brake discs are not included. The rotor sensor are included.
BN6-25300-70	Rr SPARE WHEEL ASSY for BN6	×	○	This is standard type rear wheel assembly which is assembled the bearings. The brake discs and the rotor sensor are included.
4C8-25441-71	Rr. SPROCKET 41T	○	○	#520 41T
4C8-25442-71	Rr. SPROCKET 42T	○	○	#520 42T
4C8-25443-71	Rr. SPROCKET 43T	○	○	#520 43T
4C8-25444-71	Rr. SPROCKET 44T	○	○	#520 44T
4C8-25445-71	Rr. SPROCKET 45T	○	○	#520 45T
4C8-25446-71	Rr. SPROCKET 46T	○	○	#520 46T
4C8-25447-71	Rr. SPROCKET 47T	○	○	#520 47T
4C8-25448-71	Rr. SPROCKET 48T	○	○	#520 48T
4C8-25449-71	Rr. SPROCKET 49T	○	○	#520 49T
4C8-25450-71	Rr. SPROCKET 50T	○	○	#520 50T
4C8-25451-71	Rr. SPROCKET 51T	○	○	#520 51T





Part number	Part name	2016	2017~2021	Details
4C8-25452-71	Rr. SPROCKET 52T	○	○	#520 52T
2KS-85800-72	CCU (Communication Control Unit) SET	×	○	A KIT that has a function of analogue channel (2 channels) added to the CCU of 2KS (YZF-R1M). This can be used to measure air-fuel ratio or suspension stroke amount, etc. (Sensors necessary for the measurement have to be purchased separately) An analog channel connector (2 PIN female) is added from -71.
2KS-88107-00	SPARE GPS UNIT	×	○	Spare GPS Antenna
5GF-83976-00	SPARE SWITCH HANDLE, ON/OFF	○	○	Extra spare on/off switch for power or light

#### 4. Old model parts

#### Interchangeability

Part number	Part name	2016	2017~2021	Details
13S-23151-70	SPRING, Fr. FORK (10.5N/mm)	×	×	This spring can be mounted to Fr. Fork(STD) of 2008 to 2015 YZF-R6.
13S-23151-75	SPRING, Fr. FORK (10.0N/mm)	×	×	
13S-23151-80	SPRING, Fr. FORK (9.5N/mm)	×	×	
13S-23151-85	SPRING, Fr. FORK (9.0N/mm) (Standard)	×	×	
13S-22222-70	SPRING RR. SHOCK (103N/mm)	×	×	This spring can be mounted to Rr. SHOCK ABSORBER(STD) of 2008 to 2015 YZF-R6.
13S-22222-75	SPRING RR. SHOCK (98N/mm)	×	×	
13S-22222-80	SPRING RR. SHOCK (93N/mm)	×	×	
13S-22222-85	SPRING RR. SHOCK (118N/mm)	×	×	
13S-22222-90	SPRING RR. SHOCK (113N/mm)	×	×	*13S-22222-80 (93N/mm) has been discontinued.
13S-22222-95	SPRING RR. SHOCK (108N/mm) (Standard)	×	×	
13S-F2590-71	WIRE HARNESS SET	○	×	This is kit wire harness set for 2008~2016 YZF-R6
2C0-8591A-94	ECU SET	○	×	This is kit ECU set for 2008~2016 YZF-R6
2CX-23151-70	SPRING, Fr. FORK (9.0N/mm)(Standard)	○	×	This spring can be mounted to Fr. Fork(STD) of 2013 to 2016 YZF-R6.
2CX-23151-75	SPRING, Fr. FORK (9.5N/mm)	○	×	
2CX-23151-80	SPRING, Fr. FORK (10.0N/mm)	○	×	
2CX-23151-85	SPRING, Fr. FORK (10.5N/mm)	○	×	
2CX-22222-7B	SPRING RR. SHOCK (93N/mm)	○	×	This spring can be mounted to Rr. SHOCK ABSORBER(STD) of 2013 to 2016 YZF-R6.
2CX-22222-7A	SPRING RR. SHOCK (98N/mm)	○	×	
2CX-22222-70	SPRING RR. SHOCK (103N/mm) (Standard)	○	×	
2CX-22222-75	SPRING RR. SHOCK (108N/mm)	○	×	
2CX-22222-80	SPRING RR. SHOCK (113N/mm)	○	×	
2CX-22222-85	SPRING RR. SHOCK (118N/mm)	○	×	

#### 5. Additional parts

#### Interchangeability

Part number	Part name	2016	2017~2021	Details
BN6FRACF0000	YZFR6 RACE COWLING KIT COMPLETE	×	○	Glass fiber carbon reinforced Race Cowling
BN6FTPFA0000	TOP FAIRING	×	○	Spare part
BN6FRIGF0000	RIGHT FAIRING SIDE PANEL	×	○	Spare part
BN6FLEFF0000	LEFT FAIRING SIDE PANEL	×	○	Spare part
BN6FRFRA0000	REAR FRAME COVER (LOWER SEAT)	×	○	Spare part
BN6FLSEA0000	LEFT SEAT SIDE PANEL	×	○	Spare part
BN6FRSEA0000	RIGHT SEAT SIDE PANEL	×	○	Spare part
BN6FSEAT0000	SEAT UNIT UPPER	×	○	Spare part
BN6FLWRF0000	BOTTOM FAIRING	×	○	Spare part
BN6FRAFE0000	FRONT FENDER	×	○	Spare part
BN6FDZUF0000	DZUS FASTNER KIT (RACE COWL)	×	○	Spare part
BN6FRACFSP00	GYTR R6 branded RACE SEAT	×	○	to be released soon
907983021200	YZFR6 (2017) FULL RACE SYSTEM AKRAPOVIC	×	○	Full Titanium Race system
FGRT21000000	Front Fork FGRT 200	×	○	FGRT219 Racing front fork
YA4690000000	Rear shock TTX36GP V2	×	○	
SD0550000000	Ohlins YZF-R6 Steering damper 2016-2019	×	○	



Part number	Part name	2016	2017~2021	Details
FKR102000000	Cart. Kit Spring pressurised	x	○	Incl 3 x spring set 95/10/05
FGK235000000	Cart. Kit NIX 30, see note below	x	○	
SPR087908500	FF spring kit 8,5N/mm for NIX 30	x	○	
SPR087909000	FF spring kit 9N/mm for NIX 30	x	○	
SPR087909500	FF spring kit 9,5N/mm for NIX 30	x	○	
SPR087901000	FF spring kit 10N/mm for NIX 30	x	○	
2CRFFRST0000	Paddock stand Front	○	○	New black coating / new wheels / R-series plate
2CRFRRST1000	Paddock Stand Rear	○	○	need paddock stand hooks 2CRF71A00000
2CRF71A00000	Paddock Stand hooks	x	○	
BN6FSFIN0000	Rear Sprocket Guard / Shark Fin	x	○	
BN6FFBRP0000	Front Brake Lever Guard	○	○	For OEM handlebars
GYTRBRGU0000	GYTR BRAKE LEVER GUARD R SERIE	○	○	For GYTR handlebars
2CRFFBRL2000	Foldable fully adjustable Front Brake Lever	x	○	Blue detail
BN6FCLLV0000	Foldable fully adjustable Clutch Lever	○	○	Blue detail
2CRFFBRL1000	Foldable fully adjustable Front Brake Lever	x	○	Titanium detail
BN6FCLLV0001	Foldable fully adjustable Clutch Lever	○	○	Titanium detail
2CRFRMCT1000	Front Brake Lever Remote Control Kit	x	○	
2CRFFAXP0000	Front Axle Protection Kit	x	○	
BN6FRAXP0000	Rear Axle Protection Kit	x	○	
BN6FRSET0000	Race rear set	x	○	
BN6FREVS0000	Reverse shifting kit for BN6FRSET0000 rear set	x	○	
BN6FRCCP1000	BILLET R/H CRANKCASE PROTECTOR	x	○	
BN6FCRCP0000	BILLET L/H CRANKCASE PROTECTOR	x	○	
GYTRHDLBR600	GYTR Race Handlebars (Set)	x	○	GYTR black coated High performance handlebar set
GYTRHDLBR6ST	GYTR R6/R3 SPARE HANDLEBAR TUBE	x	○	Spare part
GYTRSTSPR600	GYTR Steering stopper / limiter	x	○	limits steering angle (3 settings possible)
GYTFUELCAPO0	GYTR keyless fuel cap	○	○	
GYTSPACRRF00	GYTR Fixed wheels spacer set Front	x	○	Fixed wheel spacers for easy wheel change
GYTSPACR6R00	GYTR Fixed wheels spacer set Rear	x	○	Fixed wheel spacers for easy wheel change
GYTRAEMUR630	YZF-R6 ABS EMULATOR	x	○	Allows ABS unit removal
GYTRHBSWLR60	GYTR Handlebar Switch Left (2017-2020)	x	○	Race Handlebar switch
GYTRHBSWRR60	GYTR Handlebar Switch Right (2017-2020)	x	○	Race Handlebar switch
TBC	GYTR YZF-R Additional RADIATOR	x	○	UNDER DEVELOPMENT
TBC	GYTR / GB RACING Crankcase cover protector set	x	○	UNDER DEVELOPMENT





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YZF-R6



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R6 PARTS COMBINATION TABLE

MODEL	SHAFT CAM 1(INT)	SHAFT CAM 2(EXT)	VALVE SPRING SET	AIR FUNNEL SET	ECU SET	WIRE HARNESS SET
2008	2C0-12171-71	2C0-12181-71	2C0-A2110-70	2C0-8591A-80	2C0-8591A-80	13S-F82590-70 13S-F82590-71
2009				MGC-A300908-00	2C0-8591A-90 2C0-8591A-91	
2010	2C0-12171-72					
2011	2C0-12171-73			MGC-A300908-10 (MGC-A300912-00)	2C0-8591A-92 2C0-8591A-93 2C0-8591A-94	
2012						
2013						
2014						
2015						
2016						

FOR SS

MODEL	SHAFT CAM 1(INT)	SHAFT CAM 2(EXT)	VALVE SPRING SET	AIR FUNNEL SET	ECU SET	WIRE HARNESS SET
2017 2018 2019 2020 2021	2C0-12171-73	2C0-12181-71	2C0-A2110-70	BN6-1440B-70  MGC-A300908-10 with MGC-A300912-00	BN6-8591A-70 BN6-8591A-71	BN6-F2590-70

FOR STK

MODEL	SHAFT CAM 1(INT)	SHAFT CAM 2(EXT)	VALVE SPRING SET	AIR FUNNEL SET	ECU SET	WIRE HARNESS SET
2017 2018 2019 2020 2021	-	-	-	-	BN6-8591A-A0 BN6-8591A-A1 BN6-8591A-B0	BN6-F2590-70

R6 MISSION RATIO

GEAR	PLAN	RATIO	PINION GEAR			WHEEL GEAR		
			Part number	Teeth	Stamp	Part number	Teeth	Stamp
1st	A	2,313	2C0-17411-80-A	16	A	2C0-17211-80-A	37	A
	B	2,471	2C0-17411-90-B	17	B	2C0-17211-90-B	42	B
	C	2,583	2C0-17411-00	12		2C0-17211-00	31	
2nd	A	1,857	2C0-17121-80-A	21	A	2C0-17221-81-A	39	A
	B	1,950	2C0-17121-90-B	20	B	2C0-17221-90-B	39	B
	C	2,000	2C0-17121-00	16		2C0-17221-00	32	
3rd	A	1,565	2C0-17131-80-A	23	A	2C0-17231-80-A	36	A
	B	1,611	2C0-17131-71-B	18	B	2C0-17231-70-B	29	B
	C	1,667	2C0-17131-90-C	18	C	2C0-17231-90-C	30	C
4th	A	1,389	2C0-17131-80-A	18	A	2C0-17241-80-A	25	A
	B	1,444	2C0-17131-71-B	18	B	2C0-17241-70-B	26	B
	C	1,474	2C0-17131-90-C	19	C	2C0-17241-90-C	28	C
5th	A	1,269	2C0-17151-71-A	26	A	2C0-17251-71-A	33	A
	B	1,304	2C0-17151-80-B	23	B	2C0-17251-80-B	30	B
	C	1,350	2C0-17151-90-C	20	C	2C0-17251-90-C	27	C
6th	A	1,136	2C0-17161-70-A	22	A	2C0-17261-71-A	25	A
	B	1,150	2C0-17161-00	20		2C0-17261-80-B	23	B
	C	1,182	2C0-17161-90-C	22	C	2C0-17261-90-C	26	C

R6 GEAR RATIO

	STD		A		B		C	
1st	31 / 12	(2,583)	37 / 16	(2,313)	42 / 17	(2,471)	31 / 12	(2,583)
2nd	32 / 16	(2,000)	39 / 21	(1,857)	39 / 20	(1,950)	32 / 16	(2,000)
3rd	30 / 18	(1,667)	36 / 23	(1,565)	29 / 18	(1,611)	30 / 18	(1,667)
4th	26 / 18	(1,444)	25 / 18	(1,389)	26 / 18	(1,444)	28 / 19	(1,474)
5th	27 / 21	(1,286)	33 / 26	(1,269)	30 / 23	(1,304)	27 / 20	(1,350)
6th	23 / 20	(1,150)	25 / 22	(1,136)	23 / 20	(1,150)	26 / 22	(1,182)
6th (A)	30 / 24	(1,250)	30 / 22	(1,364)				
6th (B)			33 / 25	(1,320)				



R3





# 2021 YZF-R3 Racing Kit Parts

## 1. Basic engine parts

### Interchangeability

Part number	Part name	2018	2019~2021	Details
B7PE2180RC00	R3 GYTR CAMSHAFT EX	○	○	Adjusted cams for best performance
B7PE2170RC00	R3 GYTR CAMSHAFT IN	○	○	Adjusted cams for best performance
B7PE2176RC00	R3 GYTR CAMSHAFT SPROCKET SET	○	○	To fit kit sprocket set
B7PE2160RC00	R3 GYTR SEAT VALVE INTAKE	○	○	For improved valve tension
B7PE3750RC00	R3 GYTR AIRFUNNEL 2PC	○	○	For improved airflow
B7PE1631RC00	PISTON	○	○	Low friction / Improved compression ratio
B7PE1181RC00	R3 GYTR GASKET 1 CYLINDER HEAD	○	○	Thinner gasket for increased compression
B7PE1351RC00	R3 GYTR GASKET 2 CYLINDER BASE	○	○	Thinner gasket for increased compression
B7PRACE31900	Full Engine kit YZF-R3 2020-2021 available for Euro 3 and Euro 4 Engine	○	○	Full Engine kit
B7PD900130RC	SPARE ENGINE R3 MY 2020-2021 for Racing purpose	○	○	Spare engine for racing use only

## 2. Additional parts

Part number	Part name	2018	2019~2021	Details
B7PFRACF0000	YZF-R3 RACE COWLING KIT	x	○	Glassfiber Race Cowling
B7PFTPFA0000	TOP FAIRING	x	○	Spare part
B7PFLEFF0000	LEFT FAIRING SIDE PANEL	x	○	Spare part
B7PFRIGF0000	RIGHT FAIRING SIDE PANEL	x	○	Spare part
B7PFSLEF0000	SMALL LEFT FAIRING SIDE PANEL	x	○	Spare part
B7PSFRIF0000	SMALL RIGHT FAIRING SIDE PANEL	x	○	Spare part
B7PFLWRF0000	BOTTOM FAIRING	x	○	Spare part
B7PFSEAS0000	SEAT UNIT WITH SUPPORT	x	○	Spare part
B7PFTANK0000	TANK COVER	x	○	Spare part
B7PFDZUF0000	SET FIXING BRACKETS INCL DZUS	x	○	Spare part
USD219440100	YZF-R3 OHLINS NIX Cartridge Kit	x	○	Spare part
SPR084286000	FF spring kit 6N/mm for NIX 22 USD	x	○	
SPR084286500	FF spring kit 6,5N/mm for NIX 22 USD	x	○	
SPR084287000	FF spring kit 7N/mm for NIX 22 USD	x	○	
SPR084287500	FF spring kit 7,5N/mm for NIX 22 USD	x	○	
SPR084288000	FF spring kit 8N/mm for NIX 22 USD	x	○	
SPR084289000	FF spring kit 9N/mm for NIX 22 USD	x	○	
YA4670000000	YZF-R3 Ohlins Rear shock STX46	○	○	
907983220300	Akrapovic 2020 Race exhaust	○	○	Full race system Titanium Muffler
GYTRAEMUR630	YZF-R3 ABS EMULATOR	x	○	Allows ABS pump removal
GYTRSTSPR300	GYTR Steering stopper / limiter	x	○	Limits steering angle
GYTRHDLBR300	GYTR Race Handlebars (Set)	x	○	GYTR black coated High performance handlebar set
GYTRBRGU0000	GYTR BRAKE LEVER GUARD R SERIE	x	○	For GYTR handlebars
GYTRHDLBR6ST	GYTR R6/R3 SPARE HANDLEBAR TUBE	x	○	Spare part
GYTRFRAXR300	GYTR YZF-R3 FRONT AXLE SLIDER	x	○	Front axle protector / Slider
GYTRRRAXR300	GYTR YZF-R3 REAR AXLE SLIDER	x	○	Rear axle protector / Slider
TBC	RACE REAR SET	x	○	Under Development
TBC	GYTR Race Seat	x	○	Under Development
TBC	GYTR / GB RACING Crankcase cover protector set	x	○	Under Development





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