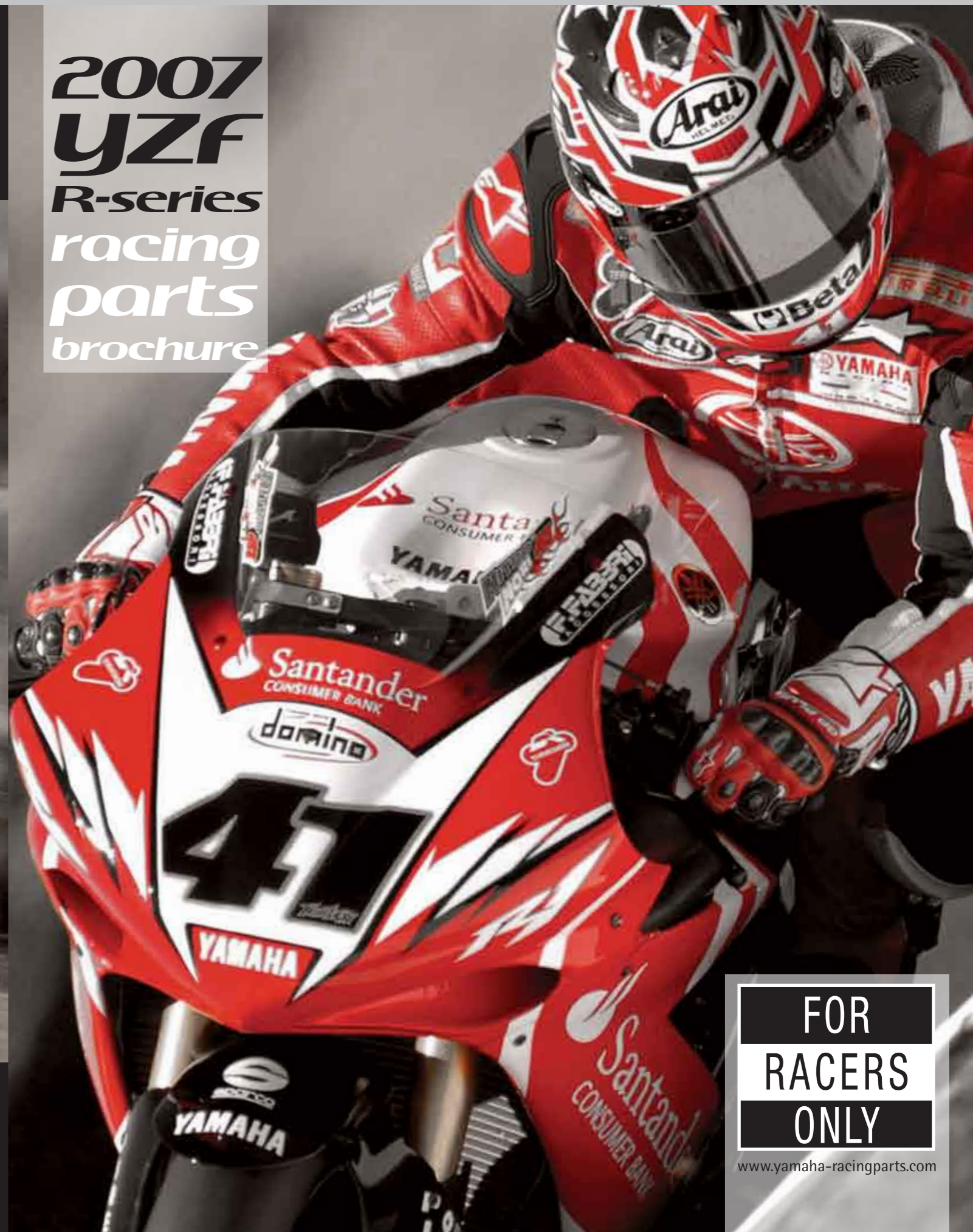


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2007
YZF
R-series
racing
parts
brochure



FOR
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www.yamaha-racingparts.com

YEC racing parts are made in accordance with FIM technical race regulations and are not street legal.
YEC racing parts may only be used on a closed circuit and are sold without warranty.
Errors and omissions excepted. Prices and specifications are subject to change without notice.

Before fitting any YEC parts customers should check the technical regulations of their race class to ensure conformity.

YEC Kitparts ***Ride with the best***



Featuring the new 2007 YZF-R1

With 180ps as standard, the fifth-generation YZF-R1 is undoubtedly the most impressive and powerful R-series motorcycle ever produced. With its technology transferred directly from our MotoGP programme, the 2007 R1 is already well honed for life on the race track. Featuring the first ever 16-valve R1 engine, the new power unit has been designed to be as user friendly as it is powerful. Advanced electronics include Yamaha's YCC-T (Yamaha Chip Controlled Throttle), which appeared for the first time on the 2006 YZF-R6, and YCC-I (Yamaha Chip Controlled Intake) – the latest innovation designed to take performance to a new level.

The Deltabox chassis is all-new as well, offering better handling and traction than previous models. The new hybrid design swingarm is another MotoGP developed item aimed at improving R1 performance on the race track. Manufactured from three different types of aluminium, the standard arm enhances handling in the initial turn-in to a corner and increases rear wheel downforce under acceleration. With a standard equipment like this, and a full range of YEC racing parts available to take the R1 up to full superbike level, you can expect to see R1 riders gracing the grid, and podiums, of racetracks around the world in 2007.

The YZF-R6

Yamaha's YZF-R6 was the 600cc bike to have in 2006, producing championship winning performances around the globe in its debut season and powering Kevin Curtain to world supersport success. With the production bike featuring factory levels of equipment as standard, it was easy to see why the Yamaha was the most popular bike on the 2006 Supersport World Championship grid.

Based on feedback from our top teams and riders, the YEC engineers have been working to produce an updated range of parts for the YZF-R6 to give our racing customers an even better chance of tasting the champagne in 2007.



Advanced air management

New 43 mm forks with large diameter damping pistons

All new Deltabox frame

Improved air intake system

UPSD truss high rigidity swingarm and revised rear suspension damping



Slipper clutch fitted as standard

Improved braking system with new six pot calipers

YCC-T, YCC-I, new 16 valve short stroke engine with titanium intake valves



Factory **Race Parts** straight from the production line

Yamaha Engineering Corporation (YEC) is a wholly-owned subsidiary of Yamaha dedicated to the development and production of racing parts for the YZF R-series range of machines.

YEC parts transform the YZF-R1 and YZF-R6 from class-leading street bikes to machines capable of winning at the highest level as proven by our official superbike, supersport, superstock and endurance teams, who have all used YEC parts on their way to championship success over the past years.

Testing and development of YEC kit parts is carried out in collaboration with MG Competition, the team that runs Yamaha Motor France's road racing activities, with the input from our top world superbike and world supersport teams used to develop our customer parts.

Kit part development for new models takes place well before the machine actually hits the showroom, so you can be sure that all YEC parts have been thoroughly tested and developed before going on sale, MG Competition has world class testing facilities and three dedicated development engineers on duty. Testing is done not only in the workshop but also on the racetrack, in private testing and the white-hot environment of racing. Most on-track testing is carried out by experienced riders, such as Norick Abe and David Checa.

YEC kitparts are produced in Japan and by European top suppliers while all YEC components meet Yamaha's rigorous corporate standards, so be assured that with YEC you only get the highest quality products for your YZF R-series machine.



Kevin Curtain in Yamaha Motor Germany workshop



YZF-R6 parts development



2007 YZF-R1 engine cam timing



2007 YZF-R1 engine on Dyno

Ordering & YRT

For further information on specifications and ordering please contact your Yamaha dealer or national distributor

Italy	Yamaha Motor Italia SpA	Alberto Barozzi	alberto.barozzi@yamaha-motor.it
Germany	Yamaha Motor Deutschland GmbH	Ilona Jaeger	ilona.jaeger@yamaha-motor.de
France	Yamaha Motor France S.A.	Pierrick Hodebert	pierrick.hodebert@yamaha-motor.fr
Spain	Yamaha Motor Espana S.A.	Juan Carlos Gutierrez	jc.gutierrez@yamaha-motor.es
U.K.	Yamaha Motor UK Ltd	Jason Griffiths	jason.griffiths@yamahamotor.co.uk
Switzerland	Hostettler AG	Pascal Buergy	pascal.buergy@hostettler.com
Netherlands	Yamaha Motor Nederland BV	Anthony van Oudheusden	anthony.vanoudheusden@yamaha-motor.nl
Belgium	D'Ieteren Sport NV	Wilfried Paridaens	wilfried.paridaens@dieteren.be
Sweden	Yamaha Motor Sweden	Mats Bejbom	mats.bejbom@yamaha-motor.se
Greece	Motodynamics SA	Andreas Koskinas	a.koskinas@yamaha-motor.gr
Austria	Yamaha Motor Austria GmbH	Christian Schroll	christian.schroll@yamaha-motor.co.at
Portugal	Yamaha Motor Portugal Lda	Francisco Ramos	francisco.ramos@yamaha-motor.pt
Hungary	Yamaha Motor Hungary Ltd	Balazs Bognár	balazs.bognar@yamaha-motor.hu
Norway	Yamaha Motor Norway	Stein Larsen	stein.larsen@yamaha-motor.no
Denmark	Yamaha Motor Denmark	Lars Kløcker	lars.kloecker@yamaha-motor.dk
Finland	Konekesko Oy	Ola Carlas	ola.carlas@kesko.fi
Poland	Mitsui Motor Polska Sp.	Piotr Piszcz	piotr.piszcz@yamaha-motor.pl
Ireland	Danfay Distributors Ltd	Colin Martin	colin.martin@danfay.ie
Slovenia	Delta Team d.o.o.	Adolf Ivacic	delta.team_service@siol.net
Turkey	Beldeyama A.S.	Osman Lav	olav@beldeyama.com.tr
Czech Republic	Yamaha Motor Czech spol. s.r.o.	Bohumil Burda	bohumil.burda@yamaha-motor.cz
Ukraine	DC Panavto	Oleg Ovechkin	sp_acces@yamaha.ua

Order deadlines: YEC operates three ordering rounds for its racing parts:

November 8, 2006 – delivery for mid February 2007

January 15, 2007 – delivery for late April 2007

May 7, 2007 – delivery in mid August 2007

In all cases customers should contact their dealer or national distributor to confirm final delivery dates.



Yamaha Race Training Race, Tune and Learn

YEC customers can take advantage of Yamaha's free annual Yamaha Race Training (YRT), which gives R-series mounted competitors the perfect opportunity to get their season off to a flying start.

The 2006 event took place over three days in March, at the Ricardo Tormo circuit close to Valencia, Spain. Arranged by Yamaha Motor Europe, the event was attended by 83 riders from 11 countries, with a similar programme being planned for the 2007 racing season, scheduled to take place again at the Ricardo Tormo circuit of Valencia on 28, 29 and 30 March 2007 (dates to be confirmed)

In addition to generous amount of track time for the riders, participating teams also attend seminars where Yamaha engineers from Europe and Japan explain best practices and give race set-up advice for the R1 and R6. Those engineers are also on hand to help teams get the best out of their advice throughout the event.

Customers wishing to attend YRT 2007 should contact their local Yamaha distributor or visit www.yamaha-racingparts.com - where further information can be found.



YZF-R6 parts

BASIC ENGINE KIT

Each part should be ordered individually
N=New 2007 part, M=Modified part

Part number	Description	Price*
5FL-R045Q-70	SPARK PLUG SET NGK R0045Q-10	€ 164.77
2CO-11181-75	GASKET, CYLINDER HEAD t=0.45mm	€ 67.-
M 2CO-12171-71	CAMSHAFT, 1 modified duration, standard lift	€ 525.10
M 2CO-12181-71	CAMSHAFT, 2 modified duration, standard lift	€ 525.10
2CO-12176-70	SPROCKET, CAM 1	€ 153.02
2CO-12177-70	SPROCKET, CAM 2	€ 153.02
N 2CO-A2110-70	VALVE SPRING SET fits the kit camshaft profile	€ 329.22
N 2CO-A4460-70	AIR FUNNEL SET for air flow improvement	€ 329.22
5SL-A4890-70	AIS PLUG SET closes the AIS system on the cylinderhead	€ 54.32
2CO-A6330-70	CLUTCH SPRING SET higher spring rate	€ 28.97
M 2CO-F1400-71	ACM SET smaller inner rotor, including COVER	€ 2138.44
M 2CO-15411-71	COVER with improved ground clearance (INCLUDED IN ACM SET)	€ 224.46
M 2CO-F2590-80	WIRE HARNESS SET light weight racing wire harness (INCLUDING SWITCH ASSYS AND PIT LIMITER SWITCH)	€ 213.99
N 5FL-83976-70	SWITCH ASSEMBLY main switch (INCLUDED IN WIRE HARNESS SET)	€ 36.21
M 2CO-8591A-71	ECU modified ignition and fuel base map including CD-ROM and software manual. The R6 2007 kit manual is downloadable on www.yamaha-racingparts.com	€ 393.83
2CO-8533A-70	CABLE INTERFACE cable for connecting ECU with PC	€ 143.29

OPTIONAL ENGINE PARTS

Part number	Description	Price*
2CO-MAINT-70	MAINTENANCE SET for 3 engine revisions	€ 401.98
2CO-11181-70	GASKET, CYLINDER HEAD t=0.40mm	€ 67.-
2CO-11181-80	GASKET, CYLINDER HEAD t=0.50mm	€ 67.-
2CO-11181-85	GASKET, CYLINDER HEAD t=0.55mm	€ 67.-
2CO-A2460-70	BIG RADIATOR SET by MB MOTORSPORTS	€ 2222.22
N 2CO-13300-70	OIL PUMP ASSY to create higher oil pressure	€ 197.07
2CO-1351A-70	THROTTLE BODY CLAMP ASSEMBLY for easy fixation of the throttle body	€ 132.18
M 2CO-A4600-80	EXHAUST SET by AKRAPOVIC	€ 1590.-
N 4B1-A6377-70	SLIPPER CLUTCH SETTING SET adjusting set for the standard slipper clutch	€ 41.56
N 2CO-A6321-70	FRICTION PLATE SET	€ 74.24
N 2CO-A7400-71	MISSION SET A* Complete gear set	€ 3292.18
N 2CO-A7400-80	MISSION SET B* Complete gear set	€ 3292.18
N 2CO-A7400-90	MISSION SET C* Complete gear set <i>*Ratios are mentioned on the right. The gears can also be ordered individually. More info including part numbers and prices on yamaha-racingparts.com</i>	€ 3292.18
2CO-17460-74	SPROCKET, DRIVE 14T fits 520 chain	€ 24.69
2CO-17460-75	SPROCKET, DRIVE 15T fits 520 chain	€ 24.69
2CO-17460-76	SPROCKET, DRIVE 16T fits 520 chain	€ 24.69
2CO-A7463-70	SPROCKET NUT SET to be used with a kit drive sprocket	€ 14.49
N 2CO-EG007-70	SPARE ENGINE ASSEMBLY 2007 engine incl. throttle body	€ 4936.63
N 4C8-F37L0-2D	2D DATA LOGGING BASIC SET by 2D Including A/F SENSOR SET	€ 2499.-
5VY-F37T0-2D	OPTIONAL TRANSMITTER UNIT by 2D	€ 92.18
M 4C8-F37M0-2D	STEP3 MEMORY UNIT SET by 2D	€ 971.19
5VY-F37S0-2D	STEP4 SUSPENSION & BRAKE SENSOR SET by 2D	€ 971.19
5VY-F37G0-2D	STEP5 GPS SENSOR SET by 2D	€ 788.48
N 4C8-F37D0-2D	BIG DIGITAL DASHBOARD by 2D	€ 1497.94



TOOLS

Part number	Description	Price*
MGC-A3589-70	ADJUSTMENT TOOL for valve timing basic kit by MGC to be used with attachment tools	€ 460.91
2CO-28116-70	ATTACHMENT TOOL for camshaft by MGC	€ 172.84

CHASSIS PARTS

Part number	Description	Price*
2CO-A5491-70	ENGINE PROTECTOR SET	€ 90.53
2CO-C117G-70	CHASSIS PROTECTOR SET	€ 82.30
2CO-C1707-70	OIL CATCH TANK SET	€ 127.51
2CO-C3151-70	FRONT FORK SPRING SET 8.33N/mm	€ 128.40
2CO-C3151-75	FRONT FORK SPRING SET 9.31N/mm	€ 128.40
2CO-C3151-80	FRONT FORK SPRING SET 9.80N/mm	€ 128.40
2CO-C3151-85	FRONT FORK SPRING SET 10.29N/mm	€ 128.40
N 2CO-C3495-80	STEERING DAMPER STAY SET excluding steering damper	€ 352.26
2CO-C6300-70	THROTTLE SET quick release and short stroke type (including TUBE, GUIDE)	€ 534.16
5SL-26243-71	TUBE, GUIDE included in THROTTLE SET	€ 101.40
2CO-C8350-70	FRONT STAY SET	€ 832.16
2CO-25100-70	FRONT SPARE WHEEL ASSEMBLY with bearing and spacer	€ 400.16
2CO-25300-70	REAR SPARE WHEEL ASSEMBLY with bearing and spacer	€ 443.62
2CO-YA606-70	REAR SHOCK by Öhlins	€ 1039.-
N 2CO-SD121-70	STEERING DAMPER by Öhlins, 68mm stroke	€ 286.-
2CO-GK127-70	FRONT FORK CARTRIDGE by Öhlins	€ 1324.-

MISSION SET A	MISSION SET B	MISSION SET C
Gear/ ratio	Gear/ ratio	Gear/ ratio
1ST/2.313	1ST/2.471	1ST/ 2.583
(same as 2006 kit)	2ND/1.950	(same as standard gearbox)
2ND/1.857	3RD/1.611	2ND/ 2.000
(same as 2006 kit)	(same as 2006 kit)	(same as standard gearbox)
3RD/1.565	4TH/1.444	3RD/1.667
4TH/1.389	(same as 2006 kit)	4TH/1.474
5TH/1.269	5TH/1.304	5TH/1.350
6TH/1.136	6TH/1.150	6TH/1.182
(same as 2006 kit)	(same as stand. gearbox)	

FOR CLOSED-CIRCUIT USE ONLY

*Pan-European recommended retail price excluding VAT



<p>Basic Engine Kit, each part to be ordered individually.</p>		<p>2CO-A4600-80 Exhaust set by Akrapovic</p>	<p>2CO-13300-70 Oil Pump, for higher oil pressure</p>
<p>2CO-A4460-70 Air Funnel Set, for air flow improvement</p>	<p>2CO-28116-70 Attachment tool for Cam by MGC</p>	<p>2CO-12171-71 / 12181-71 Camshaft 1 and 2 with modified duration and standard lift</p>	<p>2CO-A2460-70 Full size curved MB radiator with increased capacity over standard</p>
<p>2CO-A7400-71 / 80 / 90 Various mission sets available</p>	<p>2CO-EG007-70 Spare Engine Assembly Including throttle body</p>	<p>2CO-C6300-70 Throttle set, quick release and short stroke. Including tube and guide</p>	

Go to www.yamaha-racingparts.com

YZF-R1 parts

BASIC ENGINE KIT Each part should be ordered individually
N = New 2007 part, M = Modified part

Part number	Description	Price*
5FL-R045Q-70	SPARK PLUG SET NGK R0045Q-10	€ 164.77
N 4C8-11181-70	CYLINDER HEAD GASKET t=0.30mm	€ 60.91
N 4C8-12171-70	CAMSHAFT 1 high lift	€ 526.75
N 4C8-12181-70	CAMSHAFT 2 high lift	€ 526.75
N 4C8-A2110-70	VALVE SPRING SET for high lift camshaft	€ 329.22
N 4C8-A4460-70	AIR FUNNEL SET for air flow improvement (no variable intake function)	€ 493.83
N 4C8-1351A-70	THROTTLE BODY CLAMP ASSEMBLY for easy fixation of the throttle body	€ 127.57
5VY-A4890-70	AIS PLUG SET closes the AIS system on the cylinderhead	€ 49.38
4B1-A6330-70	CLUTCH SPRING SET higher spring rate	€ 16.46
M 5VY-81450-71	ROTOR ASSEMBLY light weight rotor	€ 493.83
N 4C8-F2590-70	WIRE HARNESS SET light weight racing wire harness (INCLUDED ARE 2 SWITCH ASSYS)	€ 222.22
5FL-83976-70	SWITCH ASSEMBLY main switch (INCLUDED IN WIRE HARNESS SET)	€ 36.21
N 4C8-8591A-70	ECU to adjust through PC, including CD-ROM and software manual. The R1 2007 kit manual is downloadable on www.yamaha-racingparts.com	€ 393.83
N 2C0-8533A-70	CABLE INTERFACE cable for connecting ECU with PC	€ 143.29



TOOLS

Part number	Description	Price*
MGC-A3589-70	ADJUSTMENT TOOL for valve timing, basic kit by MGC - to be used with the below tools	€ 460.91
5VY-28116-80	ATTACHMENT TOOL for camshaft for R1 up to 2006 by MGC	€ 172.84
N 4C8-28116-70	ATTACHMENT TOOL for camshaft for 2007 R1 by MGC	€ 172.84



CHASSIS PARTS

Part number	Description	Price*
N 4C8-C1707-70	OIL CATCH TANK SET	€ 139.11
N 4C8-C3141-70	FRONT FORK SPRING SET Spring rate: 9.31N/mm	€ 120.16
N 4C8-C3141-80	FRONT FORK SPRING SET Spring rate: 9.80N/mm	€ 120.16
M 4C8-C6300-70	THROTTLE SET short stroke type, incl. TUBE, GUIDE	€ 549.96
5SL-26243-71	TUBE, GUIDE included in THROTTLE SET (linear type)	€ 101.40
5VY-26243-80	TUBE, GUIDE optional (progressive type)	€ 117.27
N 4C8-C8350-70	FRONT STAY SET upper fairing stay and meter bracket	€ 363.79
N 4C8-25100-70	FRONT SPARE WHEEL ASSEMBLY with bearing and spacer	€ 362.14
N 4C8-25300-70	REAR SPARE WHEEL ASSEMBLY with bearing and spacer	€ 419.75
N 4C8-YA743-70	REAR SHOCK by Öhlins	€ 1012.-
4C8-SD174-70	STEERING DAMPER SET by Öhlins	€ 286.-
N 4C8-FG349-70	FRONT FORK by Öhlins	€ 2246.-
4C8-GK120-70	FRONT FORK CARTRIDGE by Öhlins	€ 1324.-

OPTIONAL ENGINE PARTS

Part number	Description	Price*
N 4C8-MAINT-70	MAINTENANCE SET for 3 engine revisions	€ 378.60
N 4C8-11181-70	CYLINDER HEAD GASKET t=0.30mm	€ 60.91
N 4C8-11181-80	GASKET, CYLINDER HEAD t=0.35mm	€ 60.91
5VY-11351-70	GASKET, CYLINDER t=0.10mm	€ 42.80
5VY-11351-80	GASKET, CYLINDER t=0.15mm	€ 42.80
N 4C8-A1631-70	PISTON SET high combustion efficiency	€ 1646.09
N 4C8-A4600-70	EXHAUST SET by AKRAPOVIC	€ 1810.-
N 4C8-A2460-70	BIG RADIATOR SET by MB MOTORSPORTS (full size)	€ 2222.22
4B1-A6377-70	SLIPPER CLUTCH SETTING SET adjusting set for the standard slipper clutch	€ 41.56
4XV-17460-75	SPROCKET, DRIVE 15T, fits 520 chain	€ 37.86
4XV-17460-76	SPROCKET, DRIVE 16T, fits 520 chain	€ 37.86
4XV-17460-77	SPROCKET, DRIVE 17T, fits 520 chain	€ 37.86
N 4C8-A7463-70	SPROCKET NUT SET to be used with a kit drive sprocket	€ 23.05
N 4C8-A7400-70	MISSION SET A* Complete gear set	€ 3448.56
N 4C8-A7400-80	MISSION SET B* Complete gear set	€ 3448.56
N 4C8-A7400-90	MISSION SET C* Complete gear set *Ratios are mentioned on the right. The gears can also be ordered individually. More info including part numbers and prices on yamaha-racingparts.com	€ 3448.56
N 4B1-17411-80	AXLE MAIN only to be used in combination with 4C8 crankcase and 5VY kit transmission set	€ 463.69
N 4C8-F4350-70	HEAD LIGHT HARNESS SET for endurance racing (fits on kit harness)	€ 52.67
N 4C8-EG001-70	SPARE ENGINE ASSEMBLY 2007 engine including throttle body	€ 5083.13
N 5VY-F37L0-2D	2D DATA LOGGING BASIC SET by 2D including A/F SENSOR SET	€ 2499.-
5VY-F37T0-2D	OPTIONAL TRANSMITTER UNIT by 2D	€ 92.18
M 4C8-F37M0-2D	STEP3 MEMORY UNIT SET by 2D	€ 971.19
5VY-F37S0-2D	STEP4 SUSPENSION & BRAKE SENSOR SET by 2D	€ 971.19
5VY-F37G0-2D	STEP5 GPS SENSOR SET by 2D	€ 788.48
N 4C8-F37D0-2D	BIG DIGITAL DASHBOARD by 2D	€ 1497.94

MISSION SET A	MISSION SET B	MISSION SET C
Gear/ ratio	Gear/ ratio	Gear/ ratio
1ST/2.429	1ST/2.357	1ST/2.313
2ND/2.133	2ND/2.000	2ND/1.938
3RD/1.824	3RD/1.737	3RD/1.611
4TH/1.600	4TH/1.522	4TH/1.476
5TH/1.474	5TH/1.409	5TH/1.364
6TH/1.333	6TH/1.320	6TH/1.269

FOR CLOSED-CIRCUIT USE ONLY

*Pan-European recommended retail price excluding VAT

<p>Basic Engine Kit, each part to be ordered individually.</p>		<p>4C8-A4600-70 Exhaust set by Akrapovic</p>	<p>4C8-A1631-70 Piston set, high combustion efficiency</p>
<p>4C8-8591A-70 Fl matching set; ECU incl. CD-Rom</p>	<p>4C8-YA743-70 Rear shock by Öhlins</p>	<p>4C8-A7400-70 / 80 / 90 Various mission sets available</p>	
<p>5VY-81450-71 Rotor assembly, light weight rotor</p>	<p>4C8-12171-70 / 12181-70 Camshaft with high lift</p>	<p>4C8-EG001-70 Spare engine assembly, 2007 engine including throttle body</p>	<p>4C8-A2460-70 Full size curved MB radiator with increased capacity over standard</p>

Go to www.yamaha-racingparts.com