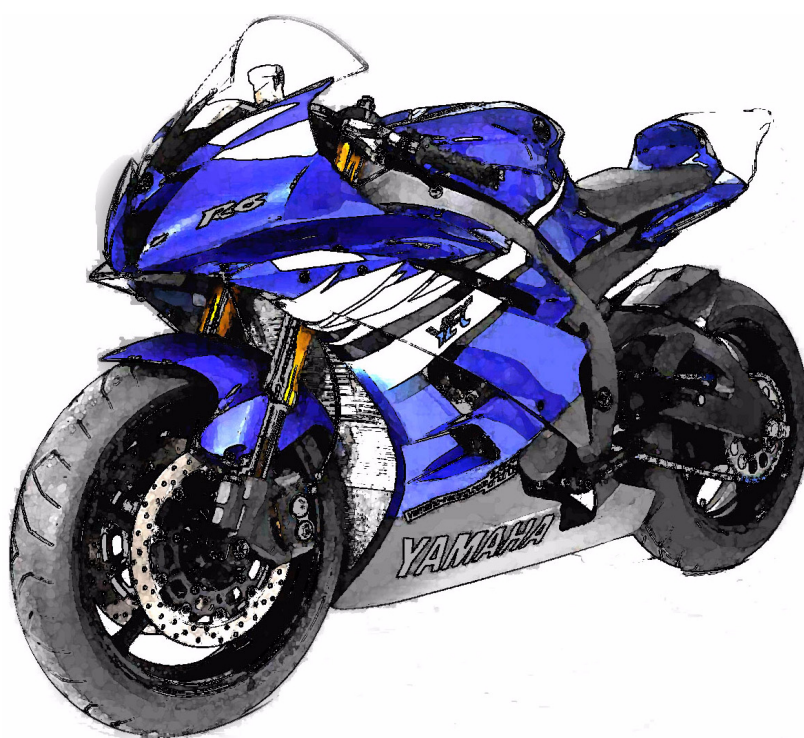


'06 YZF-R6

SS KIT MANUAL



The Performance Edge

for excellent riders



Introduction

- Please understand that these parts are not covered by warranty.
- The manufacturer does not take any responsibility for problems caused by these parts.
- These kit parts are intended exclusively for racing purposes. You are strictly requested not to use them on public roads.
- The specifications and usage methods of these kit parts along with the contents of this manual are subject to change without notice for improvement.
- This manual is intended for persons with knowledge and experience of motorcycles. Please refer to the YZF-R6 service manual, which shall be published from YAMAHA MOTOR CO.LTD., for information on part assembly and maintenance.
- The name of kits and parts are all described in English.
- The YZF-R6 racing kit comprises of the parts allowing the base Machine YZF-R6 to comply with the FIM SUPER SPORT regulations.

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1 Basic Specifications (SS Spec.)

Item	
Engine	Water-cooling type, 4 strokes, parallel 4 cylinders, 16 valves and DOHC
Displacement	599cc
Bore/Stroke	67.0 × 42.5mm
Valve timing (event angle)	
INT.	= 105°
EXT.	= 109°
Squish height	0.60mm
Clearance between the valve and the piston	
INT.	= 1.10 12° ATDC
EXT.	= 1.62 12° BTDC
Clearance of valves (tappet)	
INT.	= 0.12 – 0.19mm
EXT.	= 0.16 – 0.23mm

2 Kit Parts

2-1 Basic Kit Set Contents

Spark plug set
Head gasket (t=0.45mm)
Cam shaft and cam sprocket
AIS plug set
Clutch spring set
ACM set
ECU and wire harness set
FI matching system set
Kit manual

CAUTION:

The parts marked with [*] are included in the kit set, but are individually available at your nearest Yamaha authorized dealers.

2-2 Engine Parts

1. Maintenance Set (2C0-MAINT-70)

Parts List

	No.	PART No.	PART NAME	Q'TY	REMARKS
*	1	2C0-11181-75	GASKET, CYLINDER HEAD	3	t=0.45mm
*	2	2C0-11603-00	PISTON RING SET	12	
*	3	93450-16153	CIRCLIP	24	
	4	2C0-1165A-00	BOLT, CON-ROD	24	
*	5	90179-07001	NUT	24	
*	6	4SV-12119-00	SEAL, VALVE STEM	48	
*	7	2C0-12213-00	GASKET, TENTIONER	3	
	8	2C0-13414-70	GASKET, STRAINER	3	ANTI STICK TYPE
	9	2C0-15451-70	GASKET, COVER 1	3	ANTI STICK TYPE
	10	2C0-15461-70	GASKET, COVER 2	3	ANTI STICK TYPE
	11	2C0-15456-70	GASKET 1	3	ANTI STICK TYPE
*	12	93102-35017	SEAL, OIL	3	FOR DRIVE AXLE
*	13	90151-06024	SCREW	9	FOR BEARING HOUSING

2. Spark plug set (5FL-R045Q-70)

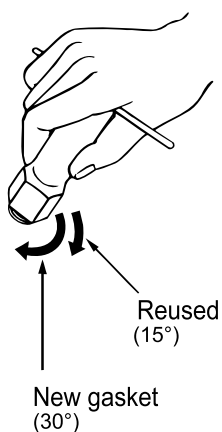
Parts List

	No.	PART No.	PART NAME	Q'TY	REMARKS
	1	5FL-94700-70	PLUG, SPARK	4	NGK R0045Q-10

CAUTION:

Since these spark plugs have a copper gasket, caution is needed during installation on the following points.

1. The tightening torque is 1.0 – 1.2 kg-m.
2. When not checking the torque, tighten by rotating through 30° after manual tightening in the case of new plugs. When reusing plugs, tighten by rotating through 15°.



3. AIS Plug Set (5SL-A4890-70)

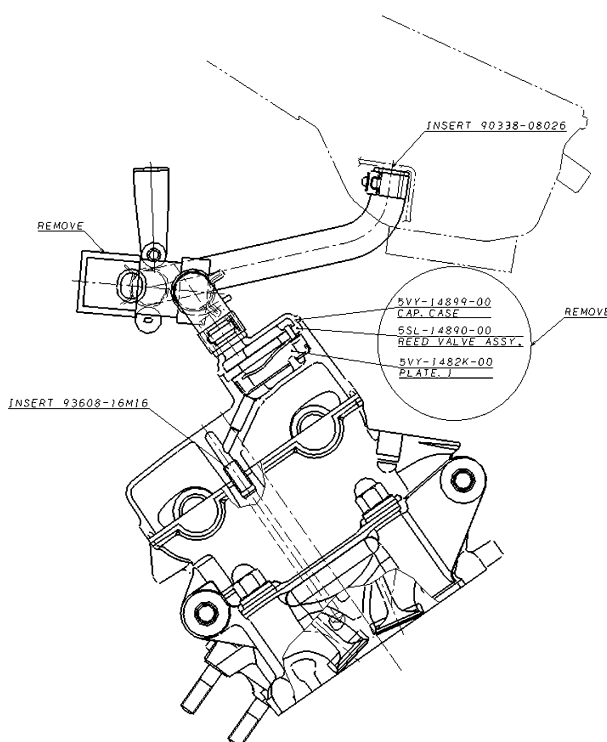
This plug set is used when the AIS (Air Induction System), an exhaust gas purification system, is removed.

Parts List

	No.	PART No.	PART NAME	Q'TY	REMARKS
	1	5SL-1482L-70	PLATE	2	
*	2	93608-16M16	PIN	4	
*	3	90338-08026	PLUG	1	

Installation

1. Remove the hose attached to the cylinder head cover and the air cut-off valve assembly accompanying the hose.
2. Remove the cap fitted to the hose and remove the reed valve and plate from the inside.
3. Install the plate (5SL-1482L-70) in replacement of the cap. Apply liquid gasket to the plate.
4. Remove the cylinder head cover and the four collars fitted to the cover. Install the PIN (93608-16M16).
5. After removing the hose connected to the air cleaner case from the air-cut assembly, insert the PLUG (90338-08026) onto the side of the air cleaner case to close the opening.



4. Head Gasket

Parts List

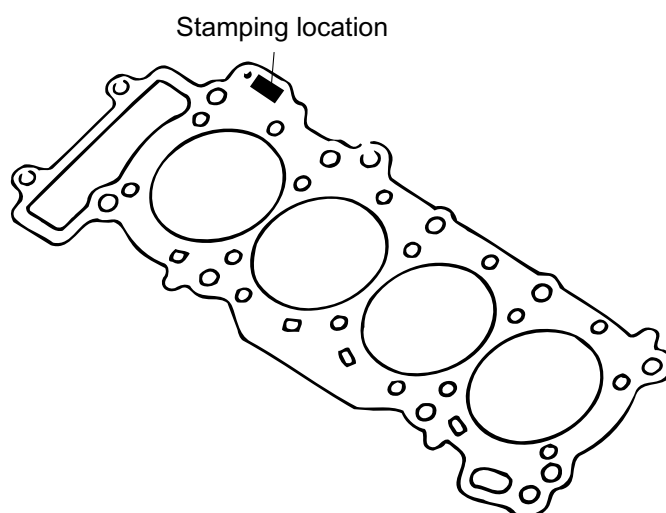
	No.	PART No.	PART NAME	Q'TY	REMARKS
	1	2C0-11181-70	GASKET, HEAD CYL.	1	t=0.40mm
	2	2C0-11181-75	GASKET, HEAD CYL.	1	t=0.45mm
	3	2C0-11181-80	GASKET, HEAD CYL.	1	t=0.50mm
	4	2C0-11181-85	GASKET, HEAD CYL.	1	t=0.55mm

The thickness of the standard parts is 0.60mm.

These parts are used to adjust the squish height. In normal cases, use the one with -75 (0.45mm). After processing the cylinder (upper case), make sure to check the squish height and use the gasket so that the squish height becomes 0.60mm or above.

NOTE:

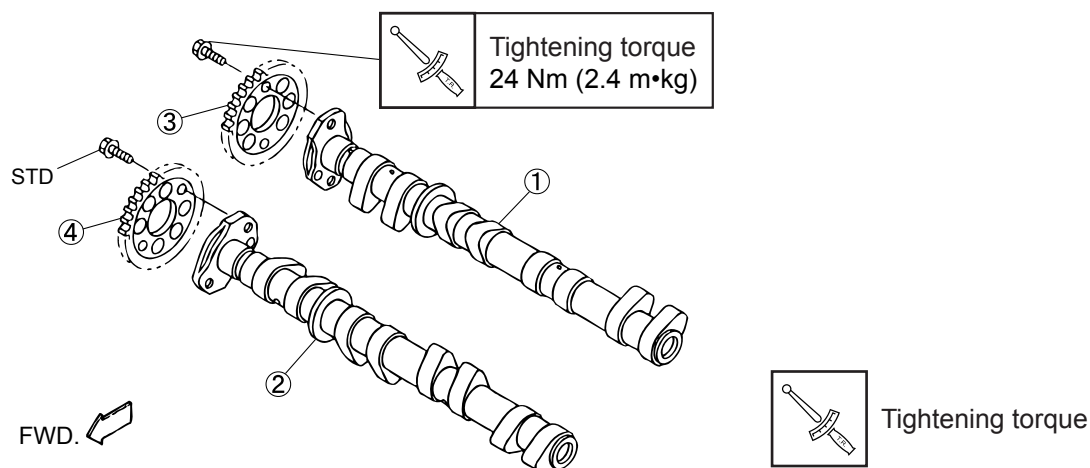
Squish height means the gap between the flat portion of the piston and the head cylinder.



5. Cam Shaft and Cam Sprocket

Parts List

No.	PART No.	PART NAME	Q'TY	REMARKS
1	2C0-12171-70	SHAFT, CAM 1	1	
2	2C0-12181-70	SHAFT, CAM 2	1	
3	2C0-12176-70	SPROCKET, CAM 1	1	
4	2C0-12177-70	SPROCKET, CAM 2	1	



Assembly of Cam Sprocket

For the cam sprocket for racing kit, there are 5 mounting holes at the angle of $\pm 1^\circ$ and $\pm 2^\circ$ against standard mounting. Use of these holes enables regulation of valve timings.

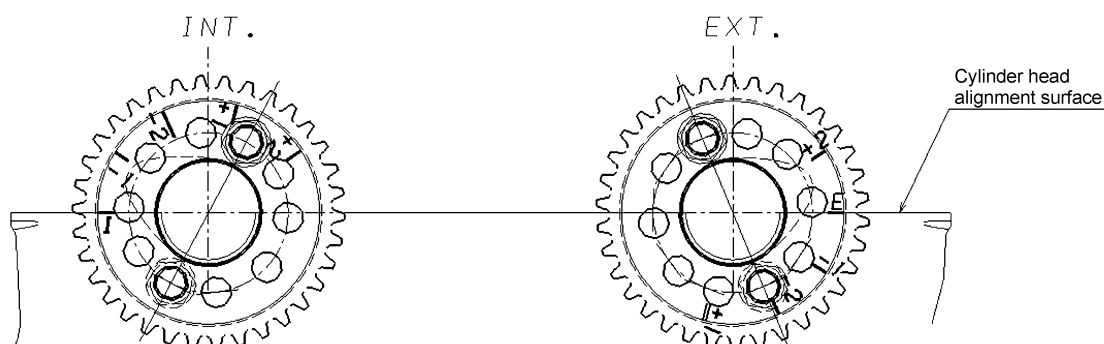
The following figure shows standard positions of the holes.

Align the timing mark of I (intake) and E (exhaust) to the alignment surface of the cylinder head upper surface. To regulate the valve timing, align the timing mark imprinted on the cam sprocket to adjust the angle shown by the timing mark figure against the standard angle.

CAUTION:

Make sure to align the valve timing when the cam shaft is assembled. If otherwise, no intended performance can be expected and more over, the engine may be damaged.

Sprocket assembly position



6. Large-Sized Radiator Set (2C0-A2460-70)

Parts List

	No.	PART No.	PART NAME	Q'TY	REMARKS
	1	2C0-A2460-70	RADIATOR SET	1	

This part is an integrated large-sized radiator set made by MB Motor Sport in Italy. The set includes a pair of radiator, pipe and hose. For the details, please inquire to MB Motor Sport.

Web www.mbmotorsport.it/

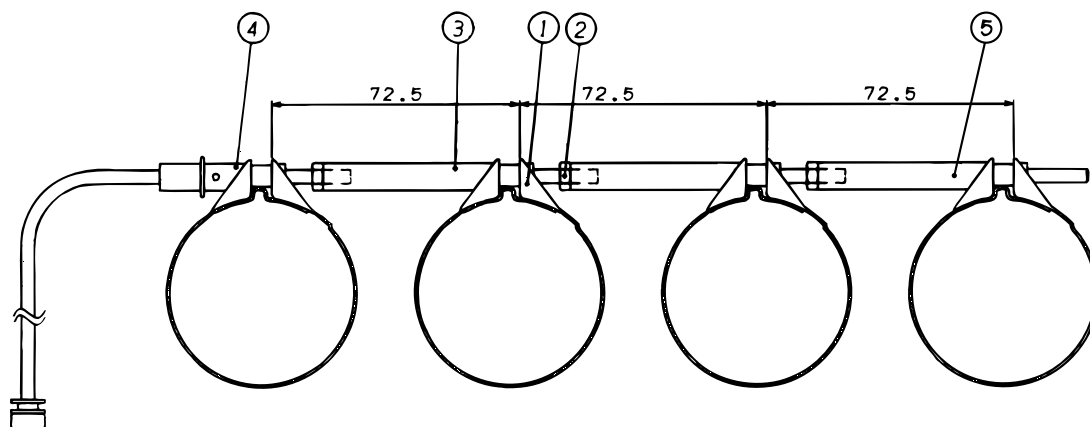
TEL +39(0)525 431593

FAX +39(0)525 431593

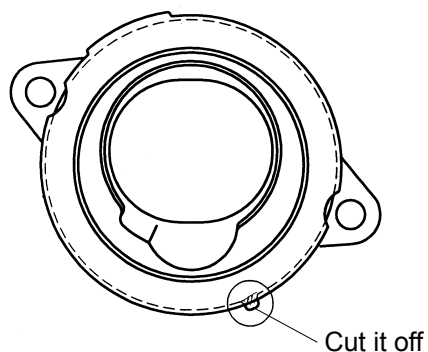
7. Throttle Body Clamp Complete (2C0-1351A-70)

Parts List

	No.	PART No.	PART NAME	Q'TY	REMARKS
*	1	90450-56005	BAND	4	
*	2	95307-04600	NUT	4	
	3	5SL-13573-70	BOLT, 1	2	
	4	5SL-1358A-70	ROD COMP.	1	
	5	2C0-13573-70	BOLT, 1	1	



This part is used to enhance maintenance performance of the carburetor. Before using it, cut off the protrusion for positioning bands at the cabjoint.



The part has a collar to prevent over-tightening. In normal cases, the part will not be tightened till it reaches to the collar. Just manually tighten it.

Make sure to put a new band through a M4 x 0.7 tap before using it.

8. Exhaust Set (2CO-A4600-70)

Parts List

No.	PART No.	PART NAME	Q'TY	REMARKS
1	2CO-A4600-70	EXHAUST SET	1	

This set is made by Akrapovic Company. Please inquire to the company for the details of the specification.

Web www.akrapovic-ai.si/

TEL +386 (0)1-78 78 404

FAX +386 (0)1-78 78 405

9. Clutch Spring Set (2CO-A6330-70)

Parts List

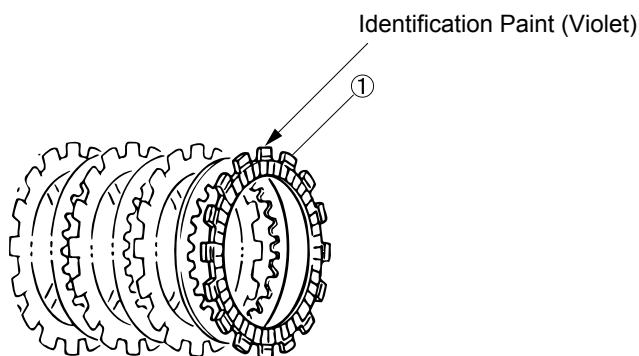
No.	PART No.	PART NAME	Q'TY	REMARKS
1	2CO-16334-70	SPRING, CLUTCH	6	

10. Friction Plate Set (5EB-A6321-72) and Clutch Boss

Parts List

No.	PART No.	PART NAME	Q'TY	REMARKS
1	5EB-16321-72	PLATE, FRICTION	8	

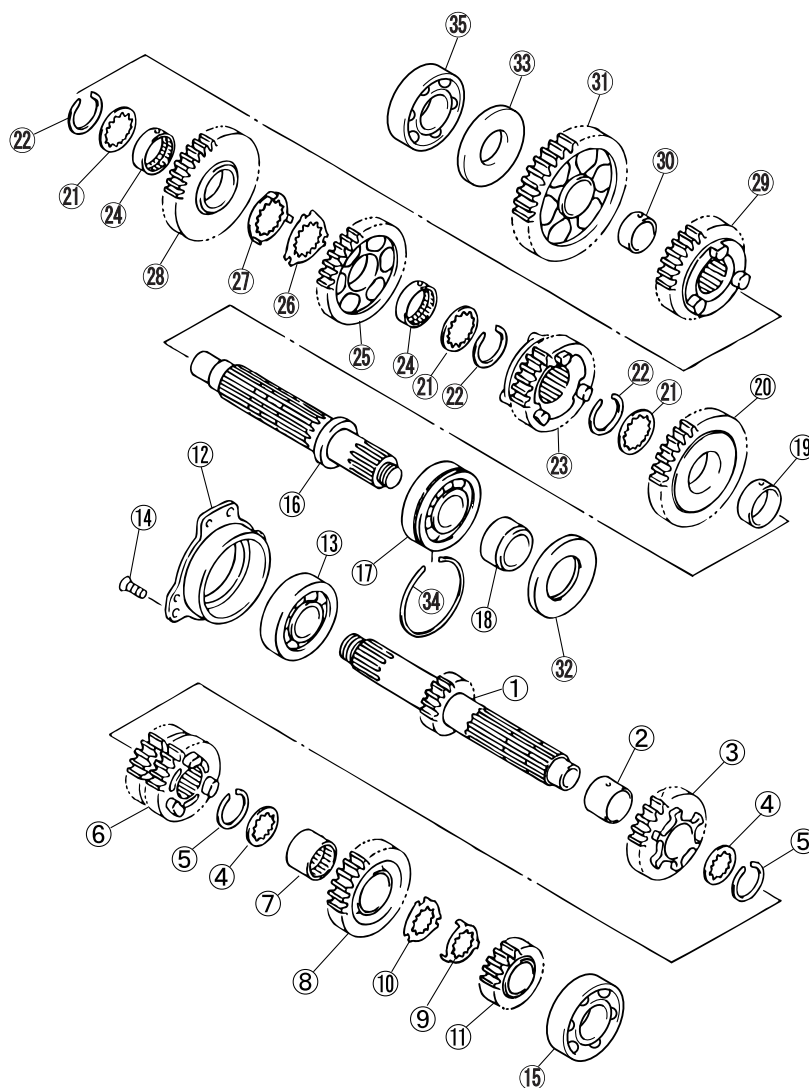
Compared to STD, the friction plate enhances durability and operation.



11. Transmission Set (2CO-A7400-70)

Parts List

	No.	PART No.	PART NAME	Q'TY	REMARKS
	1	2C0-17411-70	AXLE, MAIN	1	
*	2	90387-250R3	COLLAR	1	
	3	2C0-17151-70	GEAR, 5TH PINION	1	
*	4	90209-21332	WASHER	2	
*	5	93440-25186	CIRCLIP	2	
	6	2C0-17131-70	GEAR, 3RD PINION	1	
*	7	90387-21003	COLLAR	1	
	8	2C0-17161-70	GEAR, 6TH PINION	1	
*	9	90209-22352	WASHER	1	
*	10	90209-21351	WASHER	1	
	11	2C0-17121-70	GEAR, 2ND PINION	1	
*	12	2C0-15163-00	HSG., BEARING	1	
*	13	93306-20562	BRG.	1	
*	14	90151-06024	SCREW	3	
*	15	93306-20464	BEARING	1	
*	16	2C0-17421-00	AXLE, DRIVE	1	
*	17	93305-20509	BEARING	1	
*	18	90387-25016	COLLAR	1	
*	19	90387-28011	COLLAR	1	
	20	2C0-17221-70	GEAR, 2ND WHEEL	1	
*	21	90209-25011	WASHER	3	
*	22	93440-28184	CIRCLIP	3	
	23	2C0-17261-70	GEAR, 6TH WHEEL	1	
*	24	90387-25015	COLLAR	2	
*	25	2C0-17241-00	GEAR, 4TH WHEEL	1	
*	26	90214-25004	WASHER	1	
*	27	90214-25003	WASHER	1	
	28	2C0-17231-70	GEAR, 3RD WHEEL	1	
	29	2C0-17251-70	GEAR, 5TH WHEEL	1	
*	30	90387-21004	COLLAR	1	
	31	2C0-17211-70	GEAR, 1ST WHEEL	1	
*	32	93102-35017	SEAL, OIL	1	
*	33	90201-20278	WASHER, PLAIN	1	
*	34	93440-52014	CIRCLIP	1	
*	35	93306-20464	BRG.	1	



- Gear Ratio

	std	Kit comp. (2C0-70)	Kit option (2C0-80)
1st	31/12 (2.583)	41/19 (2.158)	37/16 (2.313)
2nd	32/16 (2.000)	38/21 (1.810)	39/21 (1.857)
3rd	30/18 (1.667)	29/18 (1.611)	
4th	26/18 (1.444)	26/18 (1.444)	
5th	27/21 (1.286)	33/26 (1.269)	
6th	23/20 (1.150)	25/22 (1.136)	
L/T	2.246	1.900	2.036

CAUTION:

Standard gear cannot be used to the kit transmission.

12. Optional Gear Set

1ST GEAR SET B (2C0-A7411-80)

Parts List

	No.	PART No.	PART NAME	Q'TY	REMARKS
	1	2C0-17411-80	AXLE, MAIN, B	1	16T
	2	2C0-17211-80	GEAR, 1 ST WHEEL, B	1	37T
*	3	2C0-15163-00	HOUSING	1	
*	4	93306-20464	BRG.	1	

2nd GEAR SET B (2C0-A7421-80)

Parts List

	No.	PART No.	PART NAME	Q'TY	REMARKS
	1	2C0-17121-80	GEAR, 2 ND PINION, B	1	21T
	2	2C0-17221-80	GEAR, 2 ND WHEEL, B	1	39T

CAUTION:

1. These gear sets allow combination with the transmission gear set of the basic gear set.
2. These gear sets have no compatibility with the standard transmission gears. If they are assembled in the standard set, a failure may result.

13. Drive Sprocket

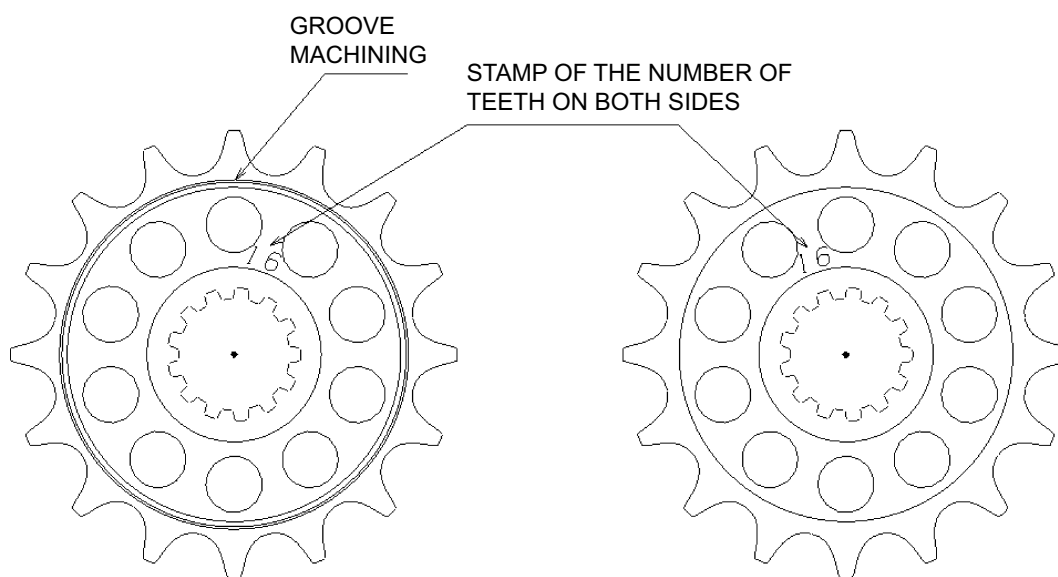
Parts List

	No.	PART No.	PART NAME	Q'TY	REMARKS
	1	2C0-17460-74	SPROCKET, DRIVE	1	14T
	2	2C0-17460-75	SPROCKET, DRIVE	1	15T
	3	2C0-17460-76	SPROCKET, DRIVE	1	16T

These parts are for 520 chains (STD=525 chain).

Use the nuts for the kit to mount the drive sprocket.

These sprockets are manufactured to be compatible with new and old models.



2CO ('06 YZF-R6)

Install with the grooved surface facing outside of the chassis.

5SL ('05 and previous YZF-R6)

Install with the grooved surface facing inside of the chassis.

CAUTION:

Take care not to install the sprocket in the wrong direction. If it is installed in the wrong direction, it will cause the misalignment of the drive and rear sprockets, leading to the loss of power.

14. Sprocket Nut Set (2C0-A7463-70)

Parts List

	No.	PART No.	PART NAME	Q'TY	REMARKS
*	1	90179-20005	NUT, SPROCKET	1	
*	2	90215-21256	WASHER, TONGUED	1	

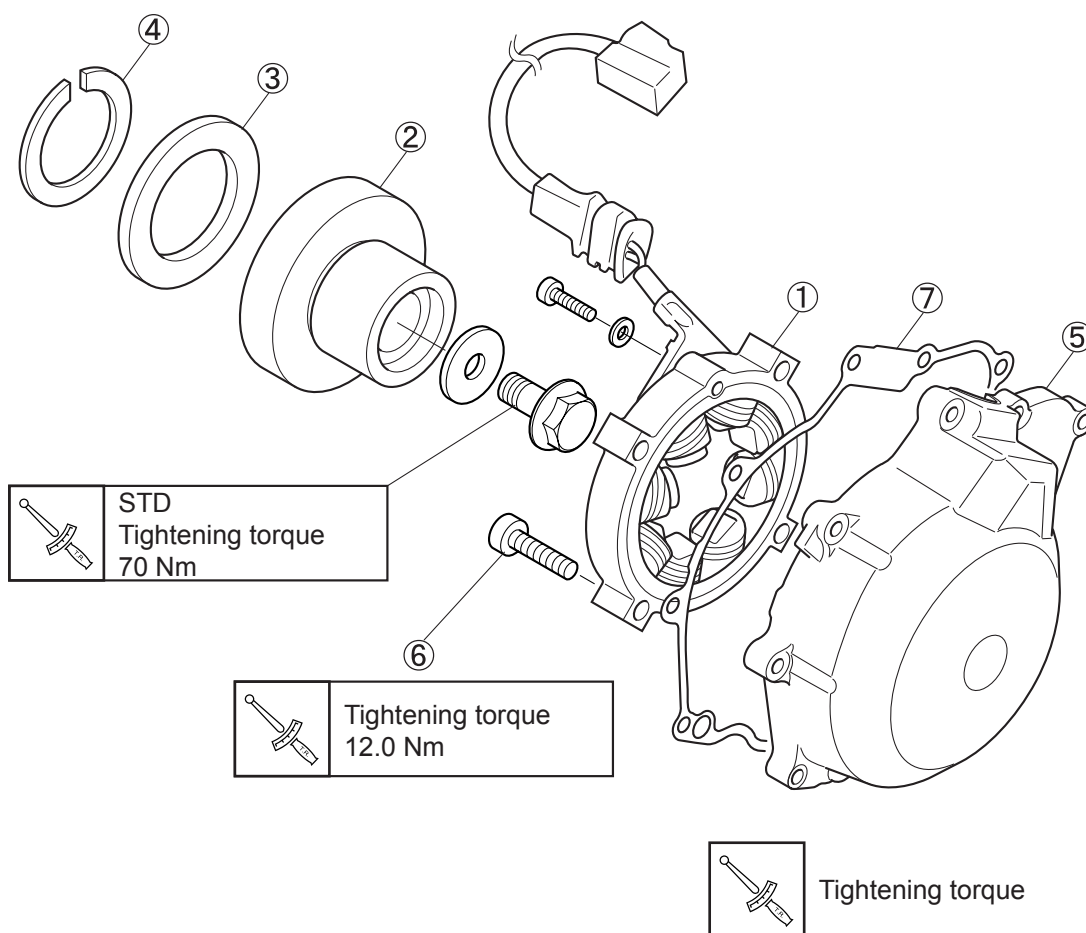
15. ACM Set (2C0-F1400-70)

Parts List

	No.	PART No.	PART NAME	Q'TY	REMARKS
	1	2C0-81410-70	STATOR ASSY.	1	
	2	2C0-81450-70	ROTOR ASSY.	1	
*	3	2C0-15580-00	STARTER CLUTCH ASSY.	1	
*	4	2C0-15536-00	CLIP, STARTER	1	
	5	2C0-15411-70	COVER	1	
*	6	90149-06080	SCREW	4	
	7	2C0-15451-70	GASKET	1	

Caution on Assembly

1. Remove grease from the taper surfaces of both rotor and crank before assembling them.
2. Apply engine oil on the thread and flange of mounting bolts before using them.
3. Apply Loctite® on the bolts before assembling stator coil to the cover.



16. FI Matching System Set (2C0-F533A-70)

Parts List

	No.	PART No.	PART NAME	Q'TY	REMARKS
	1	2C0-8533A-70	CABLE, INTERFACE	1	
	2	2C0-8591A-70	ECU	1	
	3		CD	1	SOFT, MANUAL

- Use of this set and a wire harness included in the kit enables regulation (or setting) of fuel injection and ignition timing, etc.
- For details as to how to regulate (or set) fuel injection and ignition timings, etc., refer to the manual in the CD-ROM that comes with the set.
- There are two types of basic control data for the ECU included in this set: SS (Super Sports) and ST (Stock Sports). They can be switched over and vice versa. To make it in the ST specification, just remove two couplers located at the lower left of the kit harness fuel tank. (See the figure below.)

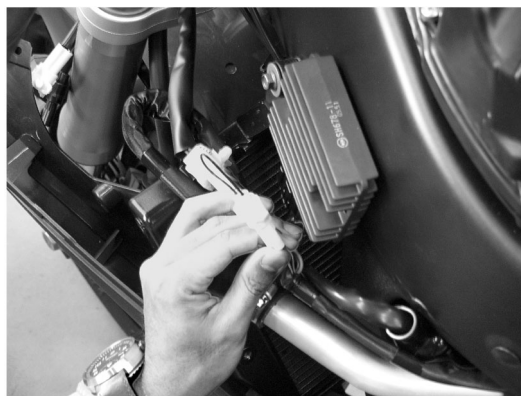
<Setting-up Details>

SS specification: Kit cam shaft and kit exhaust set

ST specification: Kit exhaust

CAUTION:

Make sure to use the ECU in this set in combination with the kit wire harness. Otherwise, it doesn't work.



17. Wire Harness Set (2C0-F2590-70)

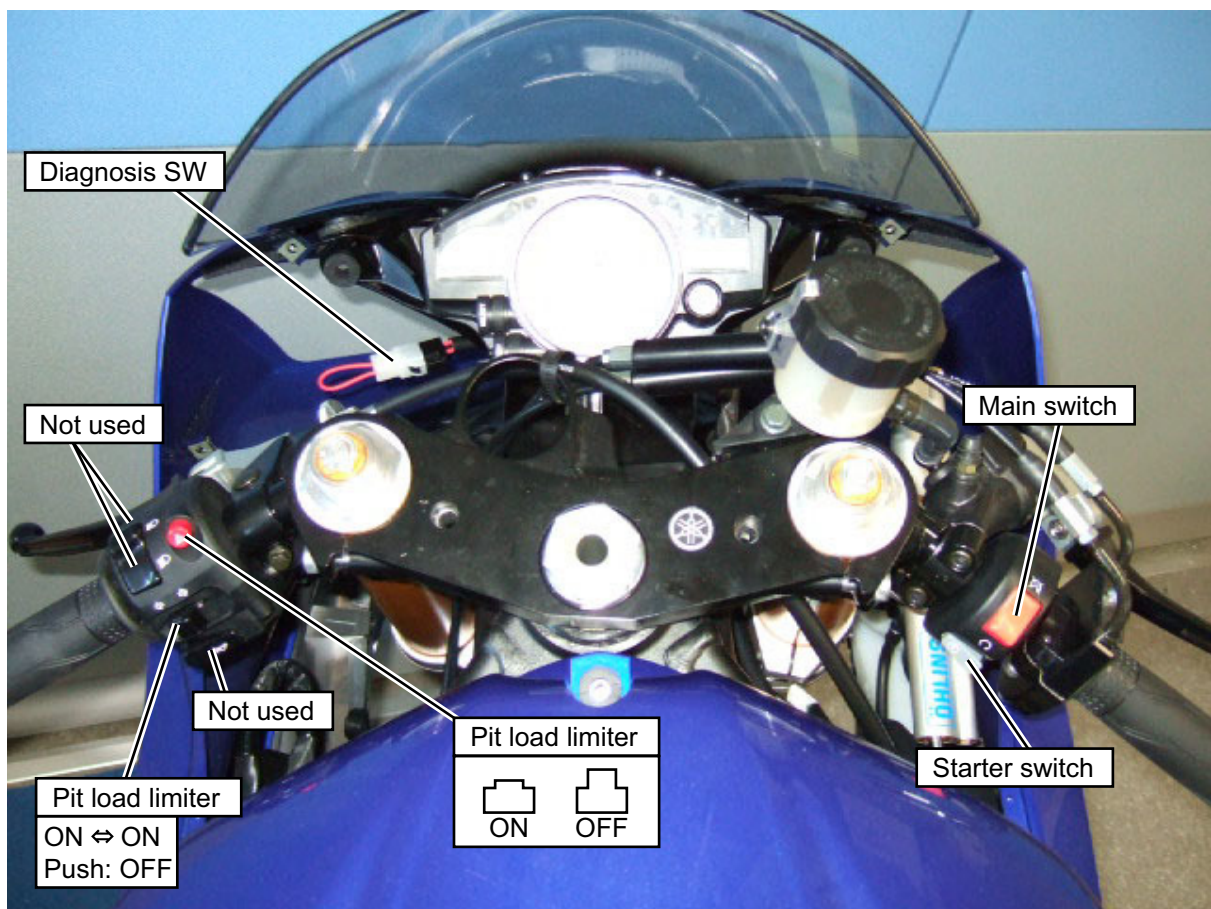
Parts List

	No.	PART No.	PART NAME	Q'TY	REMARKS
	1	2C0-82590-70	HARNESS ASS'Y	1	

- Make sure not to remove the AC GENERATION but keep it in working condition. Use of a single battery without the AC GENERATION will cause complete discharge of the battery in a short period of time and the motorcycle becomes inoperable.
- With the combination of this harness and the ECU in the kit, the engine kill switch (ignition cut) can work.

Mount any type of switch to the black two-pole coupler under the tank, so that when the switch is turned on, the ignition is cut.

- In the kit harness assembly, each switch will be configured in the figure shown below.



- Use of the ECU in the kit and the harness allows functioning of the following codes in the STD diagnosis.

As the kit harness has a diagnosis SW. coupler and not the STD E/G STOP SW function, there is some difference in operating method.

* YMS-Monitor: YEC FI Matching System also allows functioning of the code shown below.

For the details, refer to the operation manual of the YEC FI Matching System.

<Diagnosis Functions>

CODE	Contents	Description	*YMS-Monitor
01	Throttle sensor		TPS 1(deg)
02	Atmospheric pressure sensor		Atmospheric (kPa)
03	Intake pressure sensor 1		Intake Air (kPa)
05	Intake temperature sensor		Air Temp. (°C)
06	Water temperature sensor		Water Temp. (°C)
07	Vehicle speed sensor		Speed Signal (--)
08	Overturn sensor		Lean Angle Signal (V)
09	Monitor voltage	Displayed when DIAGNOSIS SW. Coupler is ON.	System Voltage (V)
13	Throttle sensor 2		TPS 2 (deg)
14	Accelerator sensor 1		APS 1 (deg)
15	Accelerator sensor 2		APS 2 (deg)
21	Neutral switch		Neutral SW
30	Ignition coil #1	Operated when DIAGNOSIS SW. Coupler is turned ON from OFF.	
31	Ignition coil #2	↑	
32	Ignition coil #3	↑	
33	Ignition coil #4	↑	
36	Injector (primary) #1	↑	
37	Injector (primary) #2	↑	
38	Injector (primary) #3	↑	
39	Injector (primary) #4	↑	
40	Injector (secondary) #1	↑	
41	Injector (secondary) #2	↑	
42	Injector (secondary) #3	↑	
43	Injector (secondary) #4	↑	
48	AI solenoid	Display only, no special functions assigned.	
50	Main relay	Operated when DIAGNOSIS SW. Coupler is turned ON from OFF.	

CODE	Contents	Description	*YMS-Monitor
51	Radiator fan relay	Display only, no special functions assigned.	
52	Headlight relay	↑	
70	Program version		

18. 2D Data Logger

Parts List

	No.	PART No.	PART NAME	Q'TY	REMARKS
	1	5VY-F37L0-2D	2D BASIC SET	1	
	2	5VY-F37T0-2D	TRANSMITTER UNIT SET	1	
	3	5VY-F37A0-2D	A/F SENSOR SET	1	
	4	5VY-F37M0-2D	MEMORY UNIT SET	1	
	5	5VY-F37S0-2D	SUSPENSION SENSOR SET	1	
	6	5VY-F37G0-2D	GPS SENSOR SET	1	

These data logging sets are made by 2D Debus & Diebold Meßsysteme GmbH.

The 2D basic sets include a connector that allows one-touch connection of the set with the kit wire harness.

For how to use the 2D basic sets, refer to the manual comes with the sets.

For the details, refer to 2D Debus & Diebold Meßsysteme GmbH.

Web www.2d-datarecording.com/

Tel +49(0)721 944850

Fax +49(0)721 9448529

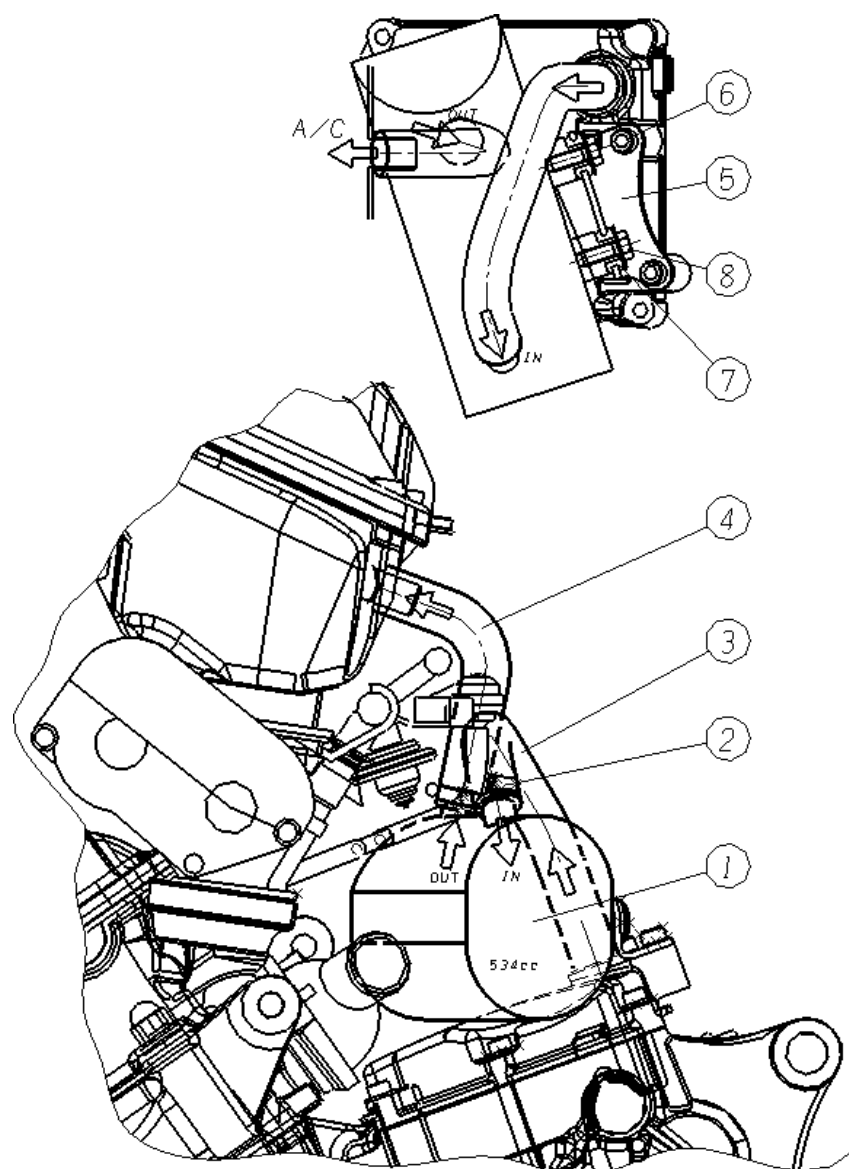
2-3 Vehicle Accessories

19. Oil Catch Tank Set (2C0-C1707-70)

Parts List

	No.	PART No.	PART NAME	Q'TY	REMARKS
	1	2C0-21707-70	CATCH TANK COMP.	1	
*	2	90450-25037	HOSE CLAMP ASS'Y	3	
	3	2C0-15373-70	PIPE, BREATHER	1	
	4	2C0-15393-70	PIPE, BREATHER 2	1	
*	5	2C0-2419F-00	BRKT.	1	
*	6	91317-06020	BOLT, HEX.SOCKET	2	
*	7	90480-13018	GROMMET	2	
*	8	90119-06044	BOLT HEXAGON HEAD W/ WASHER	2	

This oil tank has the effective capacity of 540 cc.

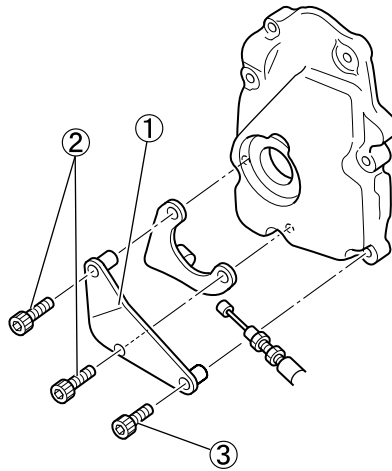


20. Engine Protector Set (2C0-A5491-70)

Parts List

	No.	PART No.	PART NAME	Q'TY	REMARKS
	1	2C0-15491-70	PROTECTOR	1	
*	2	91314-06025	BOLT	2	
*	3	91314-06020	BOLT	1	

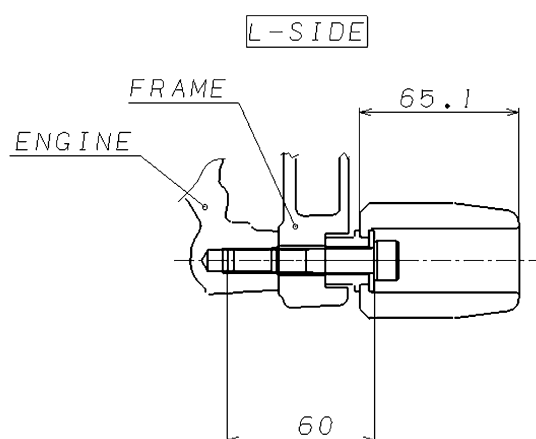
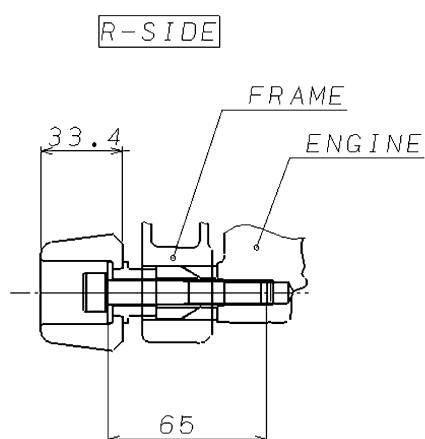
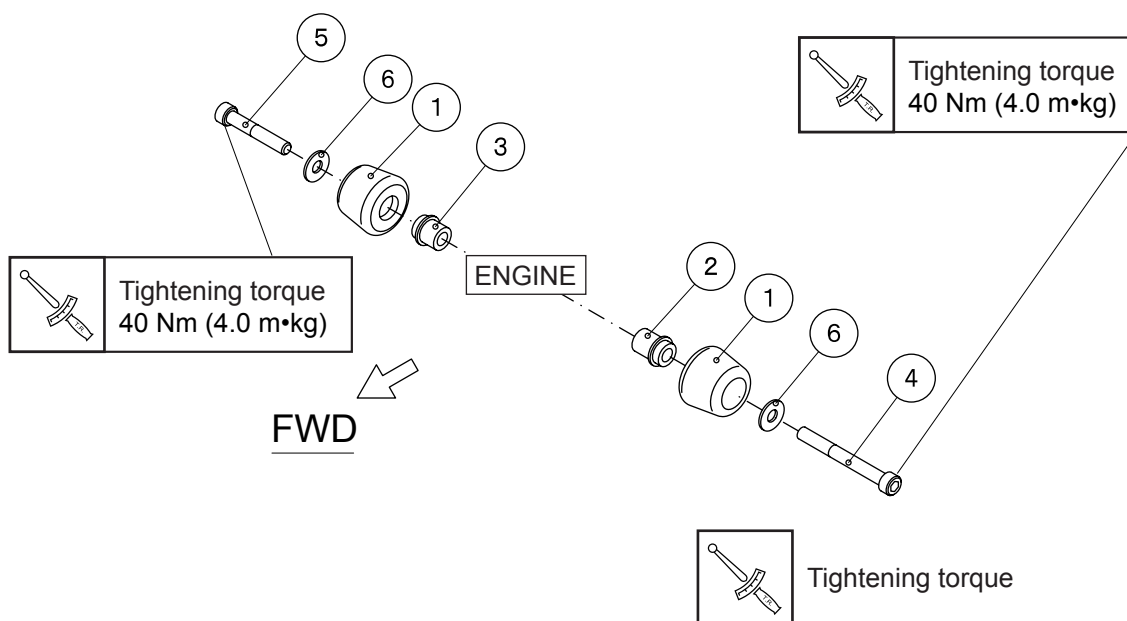
These parts protect the chassis as well as alleviating damage caused by overturning.



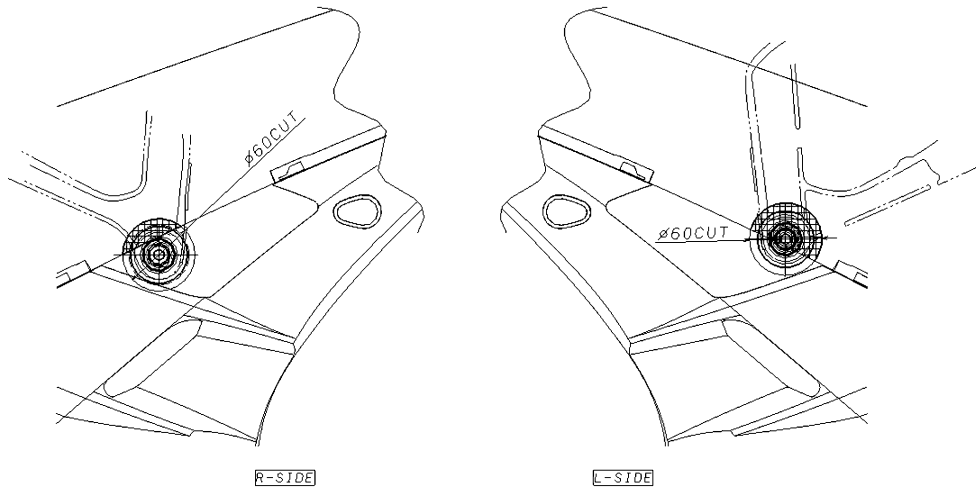
21. Chassis Protector Set

Parts List

	No.	PART No.	PART NAME	Q'TY	REMARKS
	1	2C0-2117G-70	PROTECTOR(LH LONG)	1	
	2	2C0-2117G-90	PROTECTOR(RH SHORT)	1	
	3	2C0-21472-70	COLLAR PROTECTOR	2	
*	4	91317-10060	BOLT SOCKET HEAD M10L60(LH)	1	
*	5	91314-10065	BOLT SOCKET HEAD M10L65(RH)	1	
*	6	90201-10136	WASHER	2	



Before mounting the protector, cut the cowling so that the protector can fit against the chassis.
As a rough guide, cut by $\phi 60$ centered on the engine mount. See the figures below.



22. Front Fork Spring Set

Parts List (2C0-C3151-70)

	No.	PART No.	PART NAME	Q'TY	REMARKS
	1	2C0-23151-70	FR. FORK SPRING	2	0.85 kgf/mm
	2	2C0-2331L-70	SEAT SPRING 2	2	

Parts List (2C0-C3151-75)

	No.	PART No.	PART NAME	Q'TY	REMARKS
	1	2C0-23151-75	FR. FORK SPRING	2	0.95 kgf/mm
	2	2C0-2331L-70	SEAT SPRING 2	2	

Parts List (2C0-C3151-80)

	No.	PART No.	PART NAME	Q'TY	REMARKS
	1	2C0-23151-80	FR. FORK SPRING	2	1.00 kgf/mm
	2	2C0-2331L-70	SEAT SPRING 2	2	

Parts List (2C0-C3151-85)

	No.	PART No.	PART NAME	Q'TY	REMARKS
	1	2C0-23151-85	FR. FORK SPRING	2	1.05 kgf/mm
	2	2C0-2331L-70	SEAT SPRING 2	2	

Standard Setting

	Specifications
Initial height of adjuster	12.5 mm
Oil level	108 mm
Oil	Ohlins R&T43
Click position	Stretching direction: Make 15 notches backward from the fully stretched position Pushing direction: Low speed side: Make 10 notches backward from the fully stretched position High speed side: Make two turns back from the fully stretched position (margin: 10mm)

CAUTION:

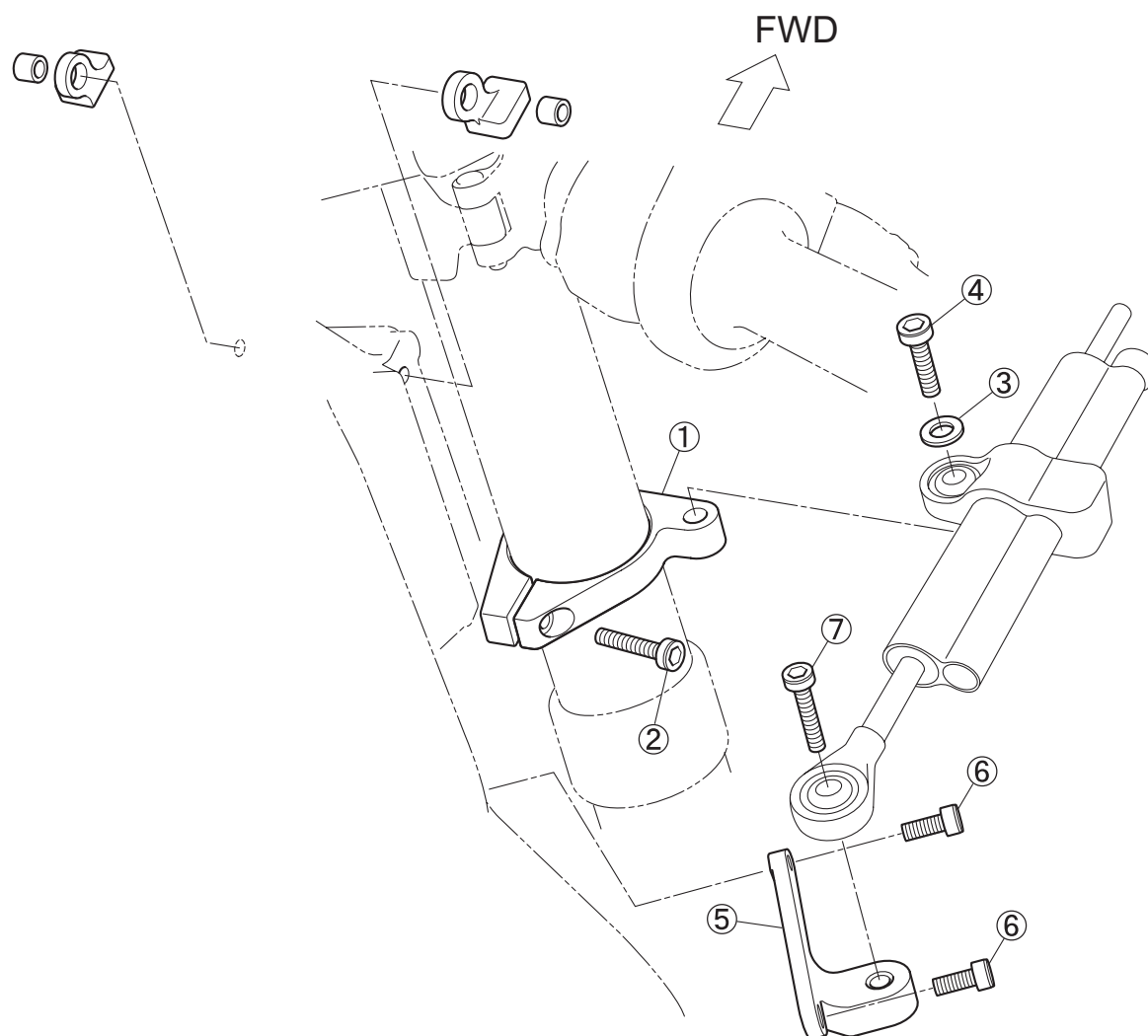
- To set up the kit spring set, remove the standard plastic spacer and assemble the spacer and spring in the kit.

23. Steering Damper Stay Set (2C0-C3495-70)

Parts List

	No.	PART No.	PART NAME	Q'TY	REMARKS
	1	2C0-23495-70	STAY, DAMPER	1	
*	2	91317-06025	BOLT, HEX. SOCKET HEAD	1	
*	3	5VY-26398-00	WASHER SPECIAL	1	
*	4	91317-08030	BOLT, HEX. SOCKET HEAD	1	
	5	2C0-2349T-70	BRKT., DAMPER	1	
*	6	91317-06020	BOLT, HEX. SOCKET HEAD	2	
*	7	91317-08030	BOLT, HEX. SOCKET HEAD	1	
	8	2C0-23432-70	STOPPER, STRG 1	1	
*	9	90387-06084	COLLAR	1	
	10	2C0-23439-70	STOPPER, STRG 2	1	
*	11	90387-06084	COLLAR	1	

Use the following steering damper: OHLINS SD100; STROKE 120mm

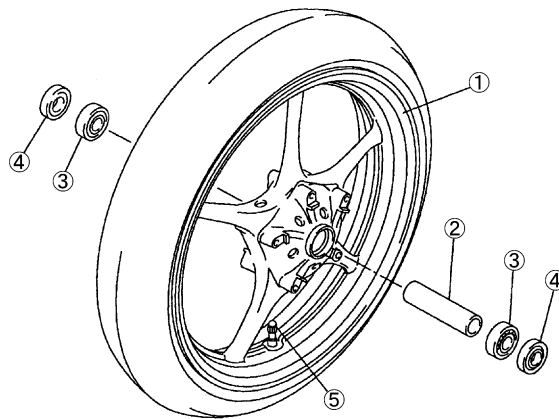


24. Front Spare Wheel Assembly (2C0-25100-70)

Parts List

	No.	PART No.	PART NAME	Q'TY	REMARKS
*	1	5SL-25168-00	WHEEL, Fr	1	MAT BLACK
*	2	4XV-25117-00	SPACER	1	
*	3	93306-07208	BEARING	2	
*	4	93106-28043	SEAL, OIL	2	
*	5	93900-00030	VALVE	1	

This part is an assembly of bearings, spacers and an air valve in a STD wheel.

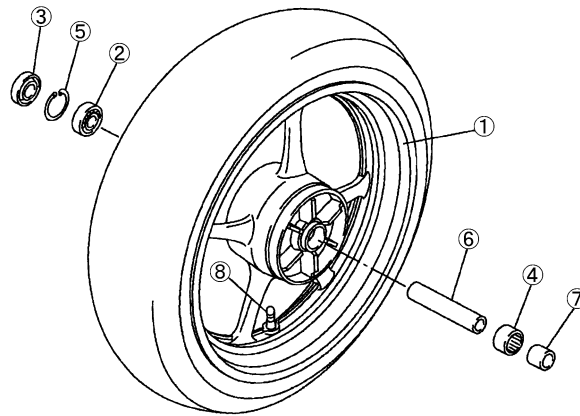


25. Rear Spare Wheel Assembly (2C0-25300-70)

Parts List

	No.	PART No.	PART NAME	Q'TY	REMARKS
*	1	5SL-25338-00	WHEEL, Rr	1	MAT BLACK
*	2	93306-20531	BEARING	1	
*	3	93106-40013	SEAL, OIL	1	
*	4	93317-43580	BEARING	1	
*	5	93420-61M07	CIRCLIP	1	
*	6	4XV-25317-00	SPACER	1	
*	7	5SL-25383-00	COLLAR	1	
*	8	93900-00030	VALVE	1	

This part is an assembly of bearings, spacers and an air valve in a STD wheel.



26. Rear Sprocket

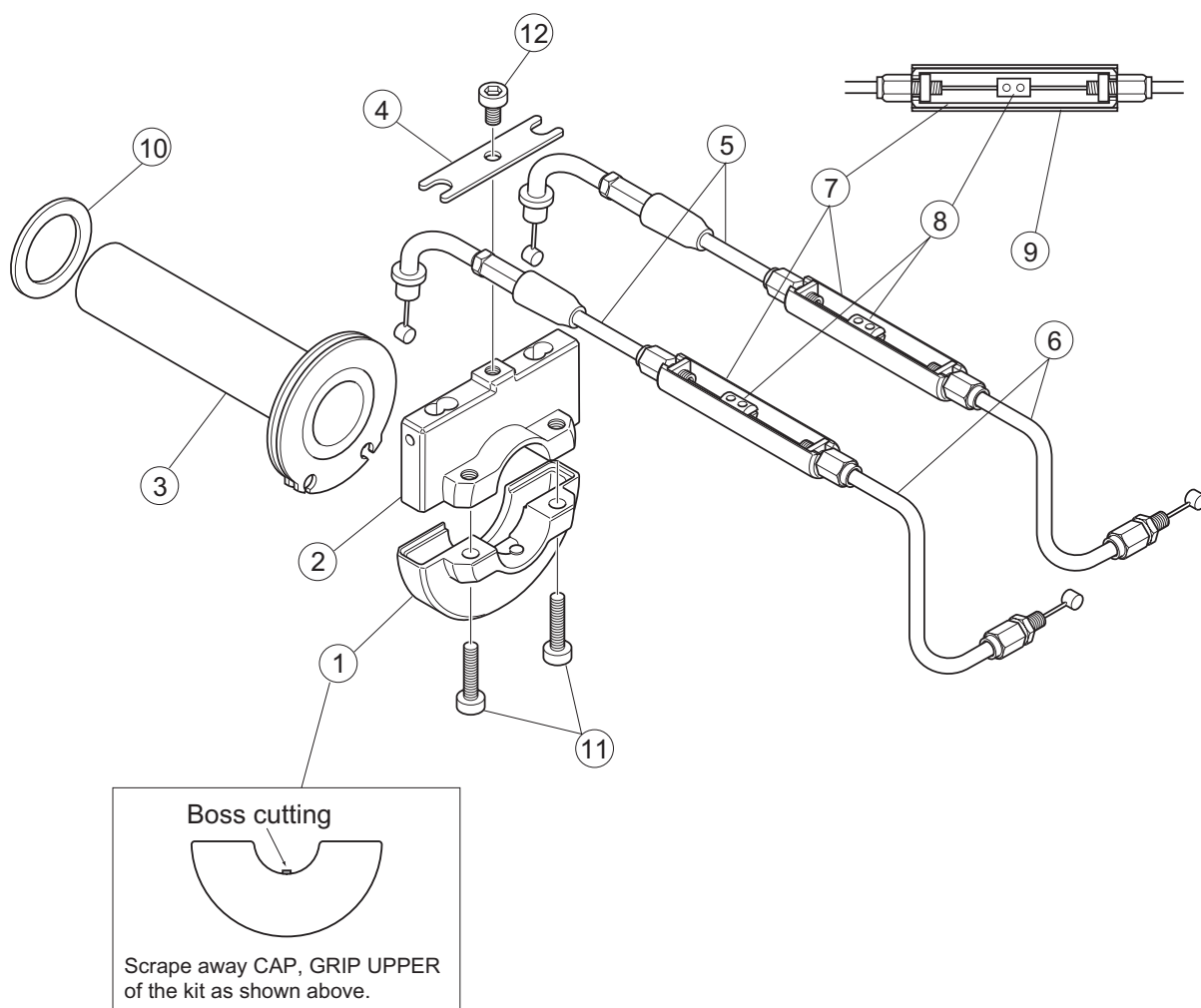
Parts List

	No.	PART No.	PART NAME	Q'TY	REMARKS
	1	5SL-25445-70	SPROCKET, REAR	1	45T, For 520 SIZE CHAIN
	2	5SL-25446-70	SPROCKET, REAR	1	46T, For 520 SIZE CHAIN
	3	5SL-25447-70	SPROCKET, REAR	1	47T, For 520 SIZE CHAIN
	4	5SL-25448-70	SPROCKET, REAR	1	48T, For 520 SIZE CHAIN
	5	5SL-25449-70	SPROCKET, REAR	1	49T, For 520 SIZE CHAIN
	6	5SL-25450-70	SPROCKET, REAR	1	50T, For 520 SIZE CHAIN
	7	5SL-25451-70	SPROCKET, REAR	1	51T, For 520 SIZE CHAIN
	8	5SL-25452-70	SPROCKET, REAR	1	52T, For 520 SIZE CHAIN

27. Throttle Set (2C0-C6300-70)

Parts List

	No.	PART No.	PART NAME	Q'TY	REMARKS
	1	5FL-26281-00	CAP, GRIP UPPER	1	
	2	2C0-26282-70	CAP, GRIP LOWER	1	
	3	5SL-26243-71	TUBE, GUIDE	1	
	4	2C0-26391-70	CLIP, WIRE 1	1	
	5	2C0-26311-70	WIRE, THROTTLE 1	2	Grip side: Retracting sharing
	6	2C0-26313-70	WIRE, THROTTLE 3	2	Engine side: Retracting sharing
	7	2C0-26261-70	CYLINDER	2	
	8	5FL-26244-70	SLIDER	2	
	9	2C0-2639E-70	PROTECTOR	2	
*	10	90201-261L1	WASHER	1	
*	11	91314-05020	BOLT	2	
*	12	91314-05008	BOLT	1	

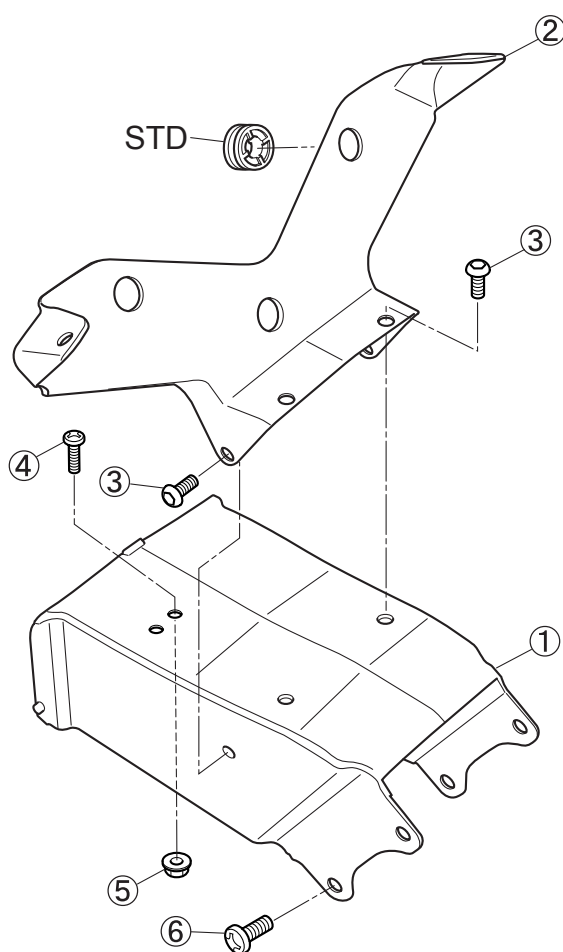


28. Front Stay Set (2C0-C8350-70)

Parts List

	No.	PART No.	PART NAME	Q'TY	REMARKS
	1	2C0-28356-70	STAY, 1	1	
	2	2C0-83519-70	BRKT, METER	1	
*	3	92017-06016	BOLT BUTTON HEAD	4	To set the panel
*	4	98507-05016	SCREW, PAN HEAD	1	To set the intake temperature sensor
*	5	95607-05200	NUT, U FLANGE	1	To set the intake temperature sensor
*	6	90149-06302	SCREW	2	To set the frame

This set doesn't allow mounting of a rear view mirror and a head light unit.



2-4 Others

29. Valve Seat Cutter Set (5VY-M1112-70)

Parts List

	No.	PART No.	PART NAME	Q'TY	REMARKS
	1	5SL-92101-70	SPINDLE	1	
	2	5VY-92101-70	SPINDLE	1	
	3	5SL-92110-70	CUTTER, INT 1	1	60°
	4	5SL-92110-80	CUTTER, INT 2	1	90°
	5	5SL-92110-90	CUTTER, INT 3	1	120°
	6	5SL-92120-70	CUTTER, EXT 1	1	60°
	7	5SL-92120-80	CUTTER, EXT 2	1	90°
	8	5SL-92120-90	CUTTER, EXT 3	1	120°

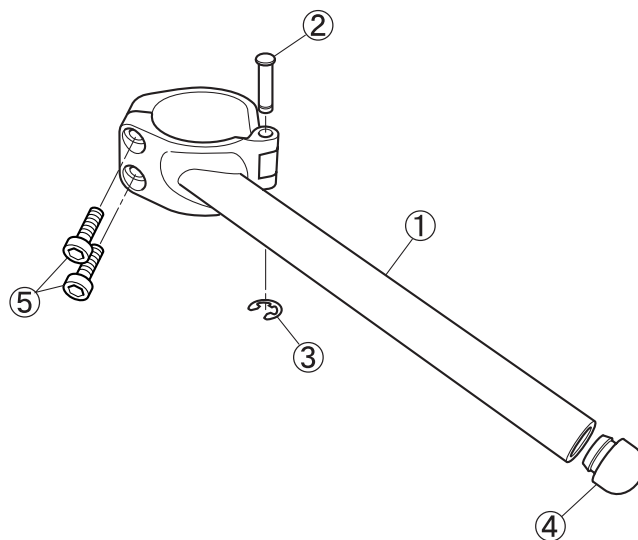
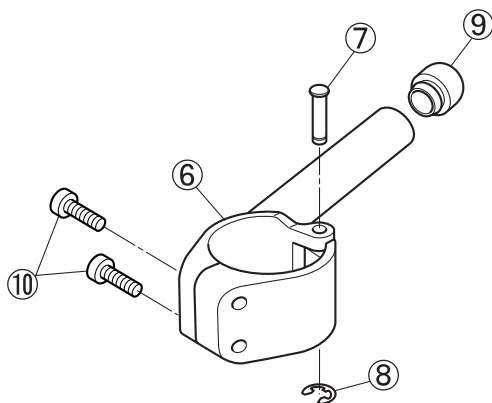
This tool set is used to make a fine adjustment of a contact between valves and valve seat.

- This set has three specification types of diamond cutter for each INT and EXT.
- Make sure to apply engine oil on the cutting surface before starting cutting.
- In the case that there is not sufficient space for the valve, use a 90 degree cutter to cut the seat so that the valve can be seated safely in place.
- Confirm the contact position and width between the valve and the valve seat. There is no need of adjustment if the valve has a contact surface of 1 mm width at the center of its 90-degree surface. If the 90-degree surface is dislocated to either side, or the contact width is 1.1mm or above, adjust them by cutting.

30. Handle Set (2C0-C6100-70)

Parts List

	No.	PART No.	PART NAME	Q'TY	REMARKS
	1	2C0-26121-70	HANDLE, LH	1	
*	2	90249-06220	PIN	1	
*	3	99080-05600	CIRCLIP	1	
*	4	4JT-26246-00	END, GRIP	1	
*	5	91318-06025	BOLT, HEX. SOCKET HEAD	2	
	6	2C0-26122-70	HANDLE, RH	1	
*	7	90249-06220	PIN	1	
*	8	99080-05600	CIRCLIP	1	
*	9	4JT-26246-00	END, GRIP	1	
*	10	91318-06025	BOLT, HEX. SOCKET HEAD	2	

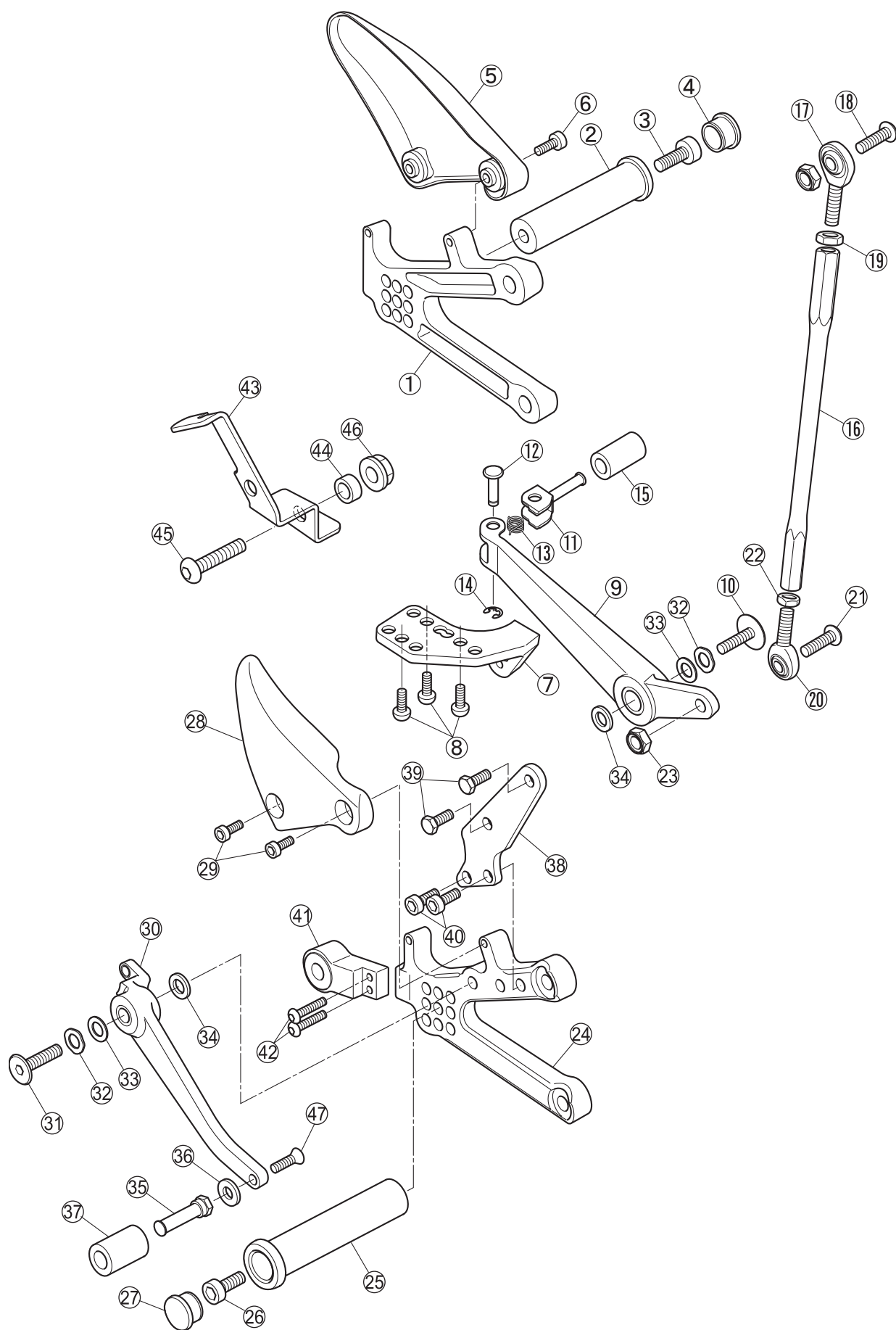


31. Back Step Set (2C0-C7400-70)**Parts List**

	No.	PART No.	PART NAME	Q'TY	REMARKS
	1	2C0-27442-70	BRKT.2	1	
	2	2C0-27451-70	FOOTREST,3	1	
*	3	91317-08030	BOLT, HEX.SOCKET HEAD	1	
*	4	90338-18122	PLUG	1	
	5	2C0-27486-70	COVER 1	1	
*	6	91380-05016	BOLT, HEX.SOCKET HEAD	2	
	7	2C0-27333-70	BRKT.	1	
*	8	92012-08030	BOLT, BUTTON HEAD	3	
	9	2C0-18111-70	PEDAL SHIFT	1	
*	10	4BP-27434-01	BOLT	1	
	11	2C0-27242-70	PEDAL	1	
	12	2C0-27261-70	SHAFT	1	
	13	2C0-27426-70	SPRING RETURN	1	
*	14	99001-06600	CIRCLIP	1	
*	15	3FV-18113-00	COVER SHIFT PEDAL	1	
	16	2C0-18115-70	ROD SHIFT	1	
*	17	3TC-18116-00	JOINT ROD 1	1	
*	18	92017-06025	BOLT BUTTON HEAD	1	
*	19	95304-06700	NUT	1	
*	20	3TC-18117-00	JOINT ROD 2	1	
*	21	92017-06025	BOLT BUTTON HEAD	1	
*	22	90170-06228	NUT	1	
*	23	95607-06100	NUT	1	
	24	2C0-27443-70	BRKT.3	1	
	25	2C0-27451-70	FOOTREST,3	1	
*	26	91317-08030	BOLT, HEX.SOCKET HEAD	1	
*	27	90338-18122	PLUG	1	
*	28	2C0-27487-70	COVER 2	1	
*	29	91380-05016	BOLT, HEX.SOCKET HEAD	2	
	30	2C0-27253-70	ARM, BRAKE PEDAL	1	

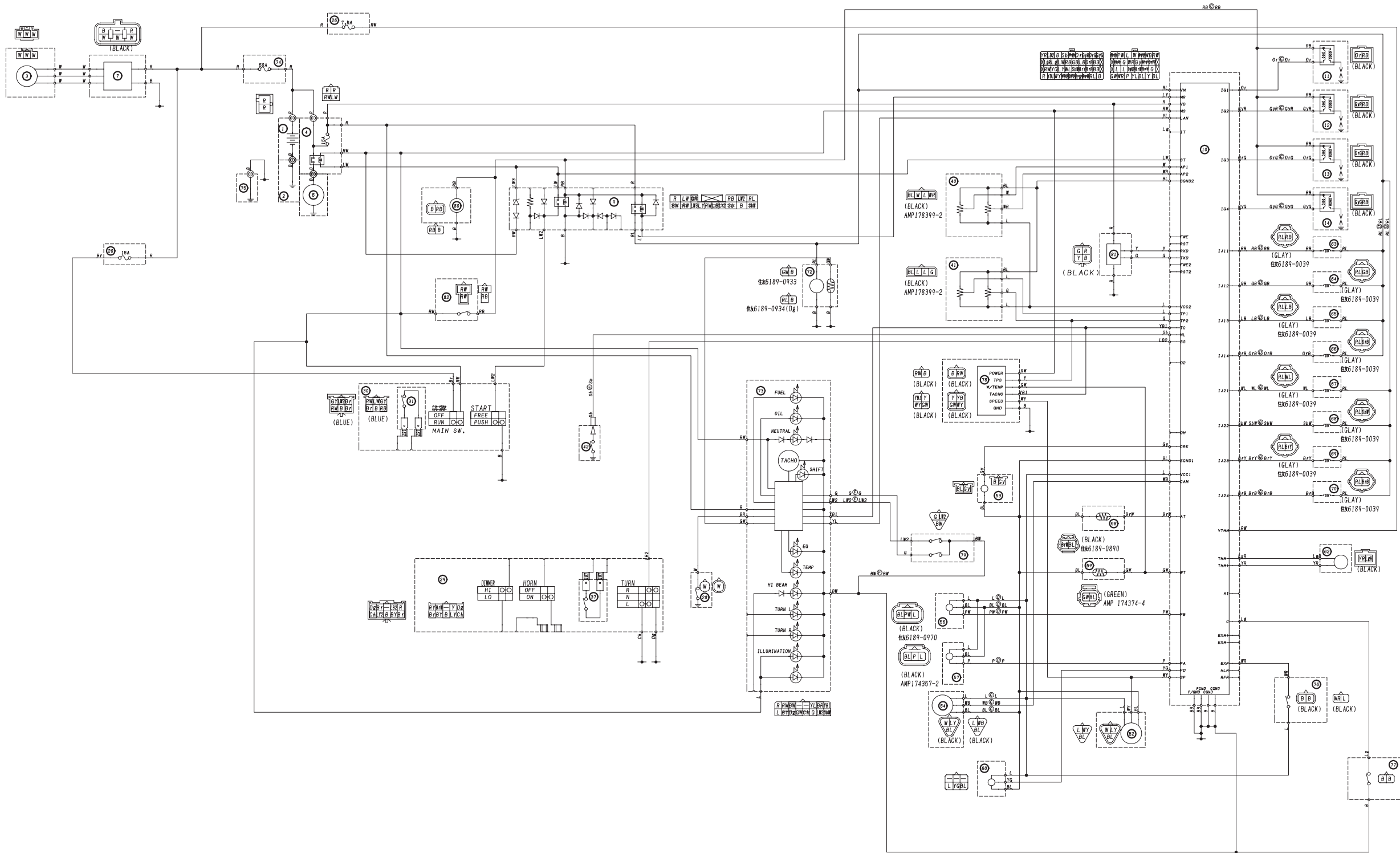
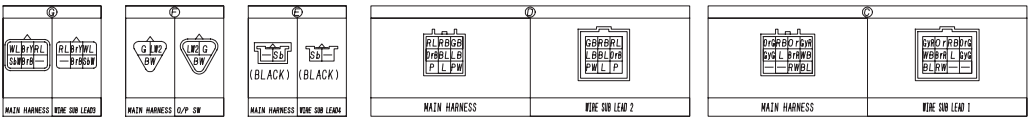
Parts List

	No.	PART No.	PART NAME	Q'TY	REMARKS
*	31	4BP-27434-01	BOLT	1	
*	32	90206-12074	WASHER WAVE	2	
*	33	90201-12013	WASHER PLAIN	2	
*	34	90201-08326	WASHER	2	
	35	2C0-27211-70	PEDAL BRAKE	1	
*	36	92907-06200	WASHER	1	
*	37	3FV-18113-00	COVER SHIFT PEDAL	1	
	38	2C0-25867-70	BRKT MASTER	1	
*	39	92017-06020	BOLT BUTTON HEAD	2	
*	40	90111-06051	BOLT HEX.SOCKET HEAD	2	
	41	2C0-2194J-70	STAY MUFF.	1	
*	42	92017-06025	BOLT BUTTON HEAD	2	
	43	2C0-2134F-70	BRKT RESERVE UNIT	1	
*	44	90387-06022	COLLAR	1	
*	45	92017-06030	BOLT BUTTON HEAD	1	
*	46	95707-06500	NUT	1	
	47	2C0-21317-70	BOLT	1	



YZF-R6 Wire Connecting Diagram

MARK	EXPLANATION
R, BL, B, ...	COLOR (AND, SEE TOP-3-907)
---	CONNECTING WITH GND/GND
---	GND
---	CONNECTOR MARK (BETWEEN MAIN & SUB HARNESS)
---	CONNECTOR SYMBOL (SEE TOP-1-233)



No.	COMPONENTS
1	BTRY
2	WIRE MINUS LEAD
3	ACM
4	STARTER RELAY
5	STARTER MOTOR
6	---
7	REC/REGU
8	---
9	RELAY ASSY
10	ECU
11	IG.COIL 1
12	IG.COIL 2
13	IG.COIL 3
14	IG.COIL 4
15	---
16	---
17	---
18	---
19	---
20	FUSE(IGNITION)
21	---
22	---
23	---
24	---
25	---
26	FUSE(ETV)
27	---
28	OIL LEVEL GAUGE
29	SW.HANDLE L
30	SW.HANDLE R
31	FR.STOP SW.
32	---
33	---
34	---
35	---
36	---
37	CLUTCH SW.
38	---
39	---
40	APS
41	TPS
42	NEUTRAL SW.
43	---
44	---
45	---
46	---
47	---
48	---
49	---
50	---
51	---
52	SPEED SENSOR
53	CRANK SHAFT SENSOR
54	CAM SHAFT SENSOR
55	---
56	PRESSURE SENSOR(Pa)
57	PRESSURE SENSOR(Pa)
58	AIR TEMP SENSOR
59	WATER TEMP SENSOR
60	EG STOP SW.
61	---
62	THROTTLE MOTOR
63	INJECTOR 11
64	INJECTOR 12
65	INJECTOR 13
66	INJECTOR 14
67	INJECTOR 21
68	INJECTOR 22
69	INJECTOR 23
70	INJECTOR 24
71	---
72	FUEL PUMP
73	METER
74	MAIN FUSE
75	E/G EARTH
76	E/G KILL SW.
77	SELECT SW.
78	MEASUREMENT TOOL
79	OPTIONAL SW.
80	POWER SUPPLY
81	P/C I/F
82	DIAGNOSIS SW.

