
Service Bulletin

MOTORCYCLE DIVISION

4-STROKE
BULLETIN GS/GSX/GSX-R NO. 126
DATE: 12/10/2002

SUBJECT: STARTER SYSTEM PARTS INTERCHANGE INFORMATION

MODEL: GSX1300R Hayabusa
1999 through 2002 (X ~ K2) MODELS

REFERENCE: GSX1300R SERVICE MANUAL (PN 99500-39183-03E) &
SERVICE BULLETIN GS/GSX/GSX-R NO. 127 - GSX1300RK3
SUPPLEMENTARY SERVICE MANUAL INFORMATION

NOTICE:

The starter system parts of the 2003 GSX1300RK3 have been changed as compared to earlier Hayabusa motorcycles. The system now incorporates a starter idle gear limiter, similar to the type used on a DR-Z400E.

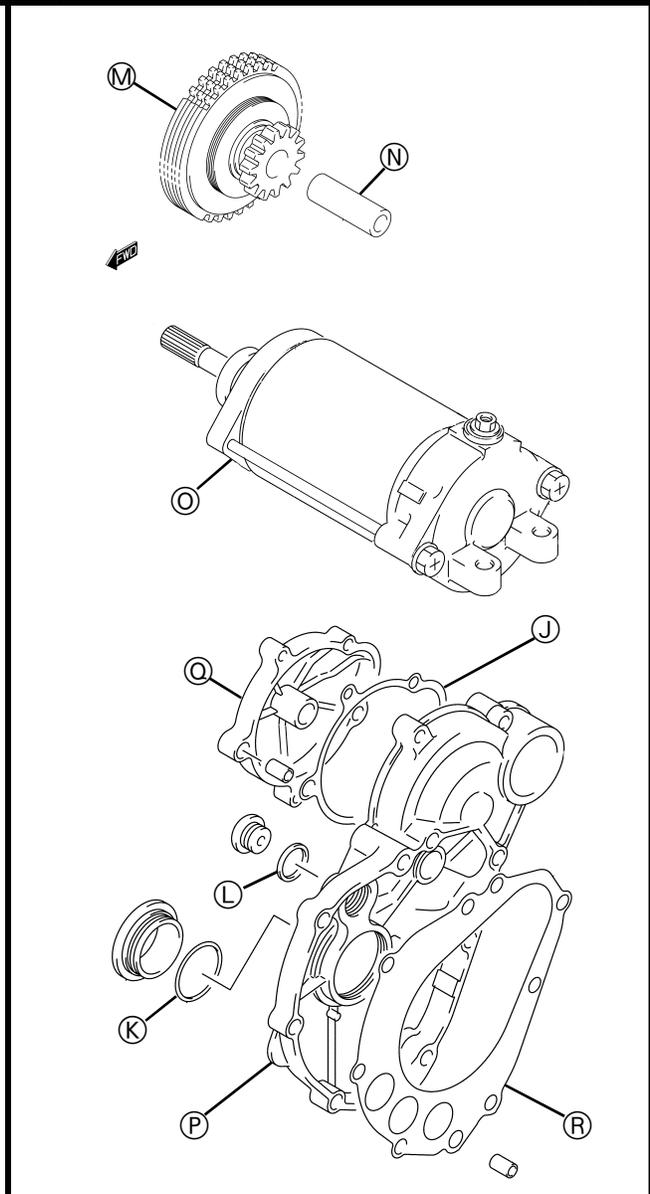
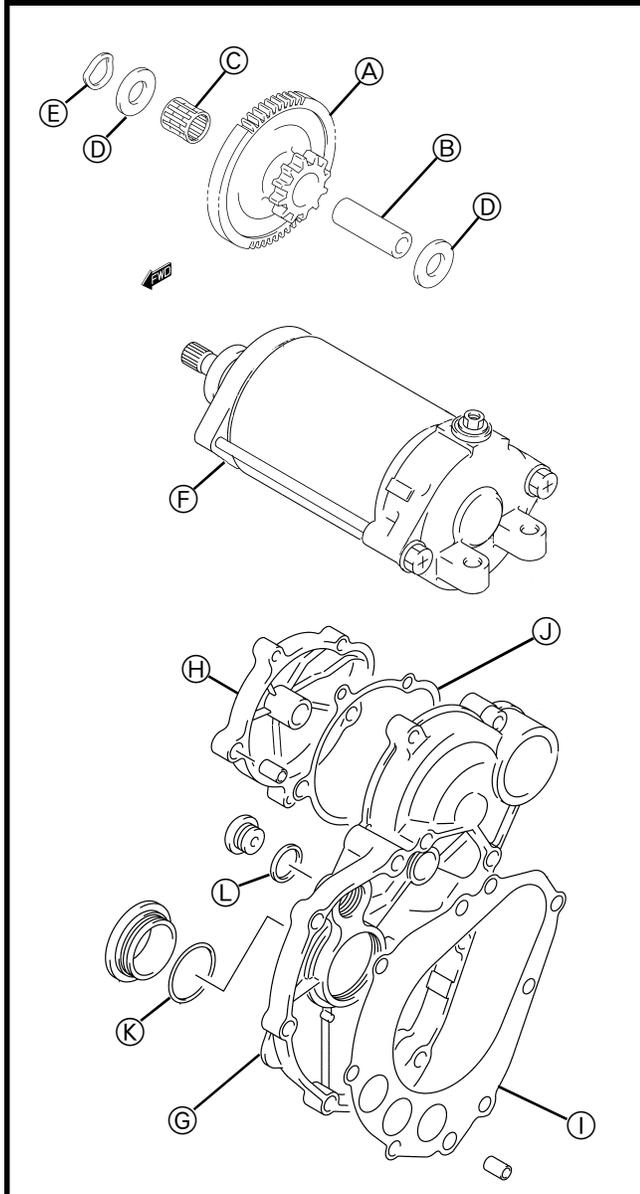
These new parts can be installed in place of the original parts if you need to repair the starter system of a 2002 or earlier model Hayabusa. Please follow the recommendations in this bulletin if you decide to place the new, K3-style starter system parts into an earlier model GSX1300R.

Spare parts for the original starter system components for the 1999 through 2002 model Hayabusa will remain available from the Suzuki Parts Department.

IMPORTANT:

Before installing the new style starter limiter, starter motor and related components, please review section 3 of the GSX1300R Service Manual (99500-39183-03E), Service Bulletin GS/GSX/GSX-R No. 127 and the following pages of this bulletin. This review will aid you in the installation of the starter system components.

GSX1300RX-K2 Starter system components				GSX1300RK3 Starter system components			
#	Part Number	Part Description	Qty	#	Part Number	Part Description	Qty
Ⓐ	12611-24F01	Gear, starter idle No. 1	1	Ⓜ	12600-24F00	Limiter, starter idle gear	1
Ⓑ	12151-09204	Pin	1	Ⓝ	12615-24F00	Pin	1
Ⓒ	09263-12023	Bearing	1	-	- Not used -		
Ⓓ	08211-12241	Washer	2	-	- Not used -		
Ⓔ	09164-12021	Washer	1	-	- Not used -		
Ⓕ	31100-24F01	Starter motor	1	Ⓞ	31100-24F10	Starter motor	1
Ⓖ	11380-24F01	Cover, starter clutch	1	Ⓟ	11380-24F20	Cover, starter clutch	1
Ⓗ	11382-24F00	Cap, starter idle gear	1	Ⓠ	11382-24F20	Cap, starter idle gear	1
Ⓘ	11491-24F00	Gasket, starter cover	1	Ⓡ	11491-24F01	Gasket, starter cover	1
Ⓢ	11492-24F00	Gasket, starter gear cap	1	Ⓣ	11492-24F00	Gasket (same)	1
Ⓚ	09280-33004	O-ring, shaft hole plug	1	Ⓚ	09280-33004	O-ring (same)	1
Ⓛ	09168-16002	Gasket, TDC plug	1	Ⓛ	09168-16002	Gasket (same)	1



INSTALLATION PROCEDURE - K3 STARTER COMPONENTS IN EARLIER MODEL:

NOTE:

The replacement of the starter system components can be done without draining oil from the engine if the motorcycle is placed on the side-stand. Removal of the right fairing cowl is required to access the right side of the engine. Prop up the fuel tank to permit access to the starter motor. Disconnect the battery before beginning this service.

1. Remove the original starter motor, starter idle gear cover, starter idle gear No. 1, the starter clutch cover, starter idle gear No. 2 per the instructions on pages 3-26 and 3-27 of the GSX1300R Service Manual.
2. Remove the starter clutch assembly per the instructions on page 3-35 of the service manual.
3. Inspect the starter clutch following the instructions on page 3-67 of the service manual. If necessary, replace the starter clutch with a new part (12600-24840). **Do not install the K3-style starter clutch in an earlier model GSX1300R.**
4. Install the starter clutch per the instructions on page 3-107 of the service manual.
5. Reinstall the original starter idle gear No. 2 and the associated wave washer and pin. Reuse the original locating dowel pins and install the new starter clutch cover and gasket per the instructions on page 3-120 of the service manual.
6. Install the new starter torque limiter in place of the original starter idle gear No. 1. Refer to the instructions on pages 13 and 14 of Service Bulletin GS/GSX/GSX-R #127.

REMINDER:

When installing the new starter torque limiter, use the new pin (12615-24F00). DO NOT reuse the pin, wave washer, washers or bearing from the original starter idle gear No. 1.

7. Install the new starter idle gear cover and gasket per the instructions on page 14 of Service Bulletin GS/GSX/GSX-R #127.
8. Install the new starter motor per the instructions on page 3-122 of the service manual.
9. Reconnect the battery and test the starting system. Once proper operation of the starter system has been verified, lower and secure the fuel tank and reinstall the removed fairing components.

AFFECTED DEPARTMENTS:

The following departments in your dealership should be notified of this information:

Management **Service** **Warranty** **Sales** **Parts** **Accessories**

American Suzuki Motor Corporation
Technical Service Department
Motorcycle / ATV