

SUZUKI ROTARY ENGINE SERVICE BULLETIN

Bulletin No. RE-10
August 22, 1975
Date _____

SUBJECT: RE5 SPARK PLUG INSTALLATION

Read & Initial
Manager _____
Parts _____
Service _____

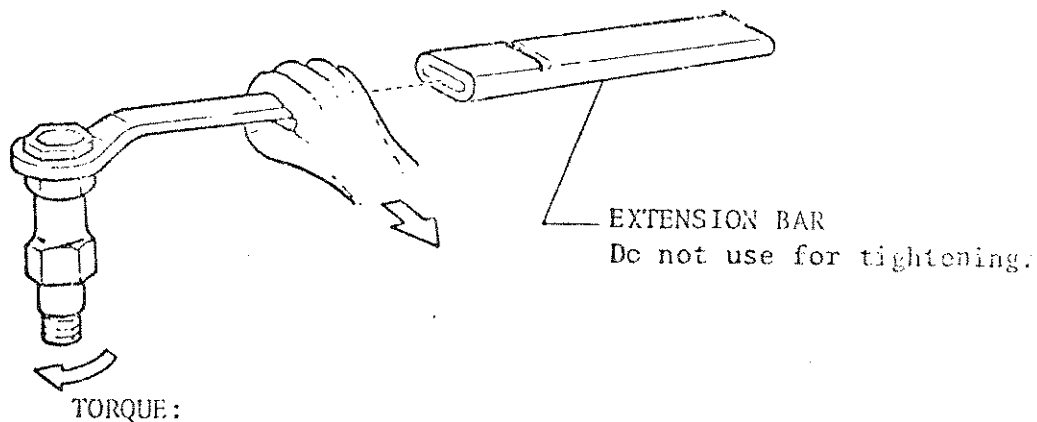
NOTICE:

The RE5 spark plug is a taper seat design and does not require a gasket. Taper seat spark plugs require extra care when they are installed, to be sure they are not over tightened.

If the RE5 spark plug should be over tightened in the rotor housing, the copper inserts threads can be damaged or the insert may loosen and separate from the housing. Therefore, it is always recommended to use a torque wrench when tightening the spark plug.

TORQUE TO: 18 ft-lb

Always encourage RE5 owners to use a torque wrench when they install their own spark plugs. If a torque wrench is not available, advise the RE5 owner to use the spark plug wrench supplied in the tool kit without the extension bar. The spark plug can be torque adequately using this method.



CAUTION: When the engine is hot the spark plug may be difficult to remove. DO NOT use the extension bar or use force to loosen the spark plug. Allowing the engine to cool will ease removal of the spark plug.

U. S. SUZUKI
TECHNICAL SERVICE DEPARTMENT





SUZUKI ROTARY ENGINE SERVICE BULLETIN

Bulletin No. RE-11
September 5, 1975
Date _____

SUBJECT: ADDITIONAL RE5 OIL RECOMMENDATION
REFERENCE: Service Bulletin #RE-1

Read & Initial
Manager _____
Parts _____
Service _____

As stated on page 1 of Service Bulletin #RE-1, the recommended oils for use in the RE5's sump and metering tank are Suzuki Rotary Engine Motor Oil and Shell Super X 10W-20W-50.

In addition to the above, U. S. Suzuki is now also recommending Mobil Super Motor Oil 10W-40 as an acceptable oil for use in the RE5.

These three oils have been found to provide excellent lubrication of the apex seals and internal engine cooling. Therefore, the use of only the recommended oils should be emphasized to the RE5 owner.

U. S. SUZUKI
TECHNICAL SERVICE DEPARTMENT





SUZUKI ROTARY ENGINE SERVICE BULLETIN

Bulletin No. RE-12
Date Sept. 19, 1975

SUBJECT: RE5 DRIVE CHAIN

Read & Initial

Manager _____
Parts _____
Service _____

NOTICE:

To increase the durability of the RE5 drive chain, a new style is now available from the Parts Department of U. S. Suzuki.

Its Part Number is 27600-37021.

The new style drive chain is manufactured with grease applied internally between the chain roller bushings and pins. The grease is sealed in with the use of rubber o-rings positioned on the pins between the two link plates.

Maintenance: The following should be recommended to the RE5 customer.

1. The new style drive chain should be cleaned with a parts cleaning brush and a light weight oil every 300 miles.

CAUTION: Under no circumstances are solvents, gasoline, parts cleaners, etc. to be used to clean the new style chain. Not only are some of these dangerous and should never be used in any case, but they also will damage the chain's rubber o-rings. Thus causing it to lose the sealed grease and shortening the life of the drive chain.

2. The new style drive chain should also be manually lubricated as often as necessary with a heavy weight motor oil. After washing the motorcycle or riding in the rain, be sure to lubricate the chain.

Automatic chain oiler: It is also recommended that the use of the chain oiler be discontinued. This can be done by:

1. Remove the chain oiler union bolt (top union bolt) and nylon washer from the metering oil pump. Discard chain oil line.
2. Replace the above with the following parts:
 - a. Bolt (09360-06007)
 - b. Bolt Gasket (09168-06004), Quantity: 1 required

Use of the automatic chain oiler has been discontinued and the new style drive chain has been installed on and after Engine Number: RE-13346.





SUZUKI ROTARY ENGINE SERVICE BULLETIN

Bulletin No. RE-13
Date Nov. 21, 1975

SUBJECT: RE5 SECOND DRIVE & DRIVEN GEARS
REFERENCE: Service Bulletin #GT-29

Read & Initial
Manager _____
Parts _____
Service _____

NOTICE:

To increase reliability of the second drive gear, the second drive and driven gears have been strengthened by decreasing their number of teeth by one. At the same time, third drive and driven gears have been strengthened by the same method.

NUMBER OF TEETH

	<u>OLD STYLE</u>	<u>NEW STYLE</u>
2nd drive gear	19	18
2nd driven gear	33	32
3rd drive gear	22	21
3rd driven gear	30	29

PARTS:

The new style 2nd drive and driven gears must be replaced as a set. The same applies for 3rd drive and driven gears. The new style parts are used according to the following table:

(cont.)



DESCRIPTION	OLD PART NO.	NEW PART NO.	RELATED PARTS WHICH MUST ALSO BE REPLACED WHEN THE NEW STYLE PART IS USED
2nd drive gear	24221-31000	24221-37000	2nd driven gear 24320-37000
2nd driven gear	24321-31000	24320-37000	2nd drive gear 24221-37000
3rd drive gear	24231-31000	24231-37000	3rd driven gear 24330-37000
3rd driven gear	24331-31000	24330 37000	3rd drive gear 24231-37000
Countershaft Ass'y	24120-37003	*24120-37990	2nd driven gear 24320-37000 3rd driven gear 24330-37000

Only, the new style parts are now available from U. S. Suzuki's Parts Department.

Although it is not absolutely necessary, we strongly recommend that if new style 2nd gears are being installed, new style 3rd gears should also be installed at the same time, and vice-versa.

U. S. SUZUKI
 TECHNICAL SERVICE DEPARTMENT

*Revised: 1/16/76

SUZUKI ROTARY ENGINE SERVICE BULLETIN

Bulletin No. RE-14
Date Nov. 21, 1975

SUBJECT: RE5 OIL COOLER

Read & Initial
Manager _____
Parts _____
Service _____

NOTICE:

For better flexibility, the RE5 oil cooler line material has been changed from metal to rubber. At the same time, the position of the oil inlet was changed from the left side of the oil cooler to the right side, beneath the outlet connection.

APPLICABILITY:

The new style oil lines and cooler have been installed on and after the following Frame number:

RE5-12081

PARTS:

When an old style oil cooler is replaced with a new style, the oil lines must also be replaced with new style lines. At the same time, the oil pressure regulator union connections must also be removed and replaced with 2 union bolts and 4 gaskets. The part numbers are listed below.

<u>DESCRIPTION</u>	<u>OLD PART NO.</u>	<u>INTERCHANGE- ABILITY</u>	<u>NEW PART NO.</u>	<u>QT'Y</u>
Oil Cooler	16600-37010		16600-37011	1
Oil Cooler Line No. 1	16460-37011		16460-37012	1
Oil Cooler Line No. 2	16470-37011		16470-37012	1
Union Bolt	-----		09360-14001	2
Union Bolt Gasket	-----		09168-14007	4

The old and new style parts are interchangeable when replaced as a set as indicated above.

U. S. SUZUKI
TECHNICAL SERVICE DEPARTMENT





SUZUKI ROTARY ENGINE SERVICE BULLETIN

RE-15
Bulletin No. Nov. 21, 1975
Date _____

SUBJECT: CONSTANT 'ON' HEADLIGHT SWITCH

Read & Initial
Manager _____
Parts _____
Service _____

NOTICE:

To comply with certain government regulations, motorcycles manufactured after January 1, 1975 must incorporate a headlight on feature when the engine is operating.

This has been accomplished on the RE5 by locking the headlight switch in the 'on' position. The headlight then becomes operative when the ignition switch is turned to the 'on' position.

PARTS:

The above change has required the modification of the light switch knob. This modification also changes the part number for the left hand switch assembly as listed below:

<u>DESCRIPTION</u>	<u>OLD PART NO.</u>	<u>NEW PART NO.</u>
Light switch knob	57712-33011	57718-36630
Left hand switch ass'y.	57700-31603	57700-31622

APPLICABILITY:

The headlight switch has been locked in the 'on' position on and from the following frame number: RE5-11727.

U. S. SUZUKI
TECHNICAL SERVICE DEPARTMENT





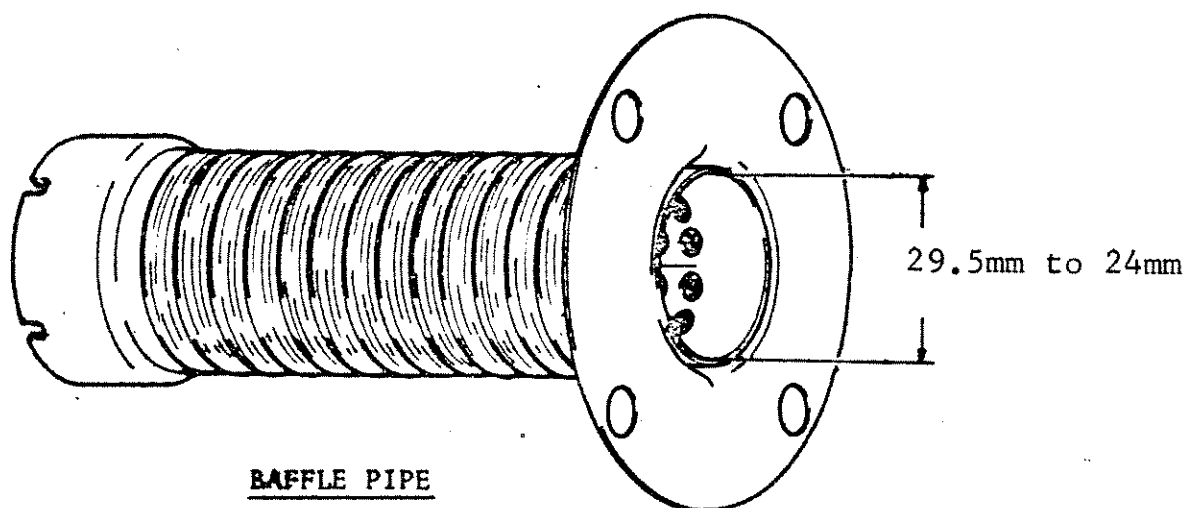
SUZUKI ROTARY ENGINE SERVICE BULLETIN

Bulletin No.	RE-16
Date	Dec. 19, 1975
Read & Initial	
Manager	_____
Parts	_____
Service	_____

SUBJECT: RE5 BAFFLE INSIDE DIAMETER CHANGE

NOTICE:

To reduce the RE5's exhaust noise level, the muffler baffles inner diameter has been decreased 5.5mm from 29.5mm to 24mm.



APPLICABILITY:

The new style baffles have been installed on and from Frame Number RE5-11901.

PARTS:

Only the new style parts are now available from U. S. Suzuki's Parts Department. The part numbers are listed below.

DESCRIPTION	OLD PART NO.	NEW PART NO.
Right Muffler Ass'y.	14301-37000	14301-37001
Left Muffler Ass'y.	14302-37000	14302-37001
Baffle	N/A	14610-37001



