

**Rt125 sprag page 1**

**This is a how to on the sprag clutch**

**In the mz rt125cc models**

**The part in front of sprag made of copper or brass**

**Is shown in the parts book as a damper**

**It is really a 2 way slip clutch and it gets galled**

**And does not slip properly**

**It says not field serviceable**

**But take it a part and sand in a lathe till smooth**

**With 1500 or finer emery or sand paper**

**Place the end with gear teeth in a vice**

**And try about 12 foot pounds of tq on it**

**But lube with with motor oil befor you put it together**

**I put my new sprag in the bike and laid it on its side**

**And adjusted on it and it only slipped once in a while**

**At 12 foot pounds the sprag work in only one direction**

**This unit works in both directions**

**When you run the bike backwards never let out the clutch**

**To stop it as you can bust sprag by running the starter backwards**

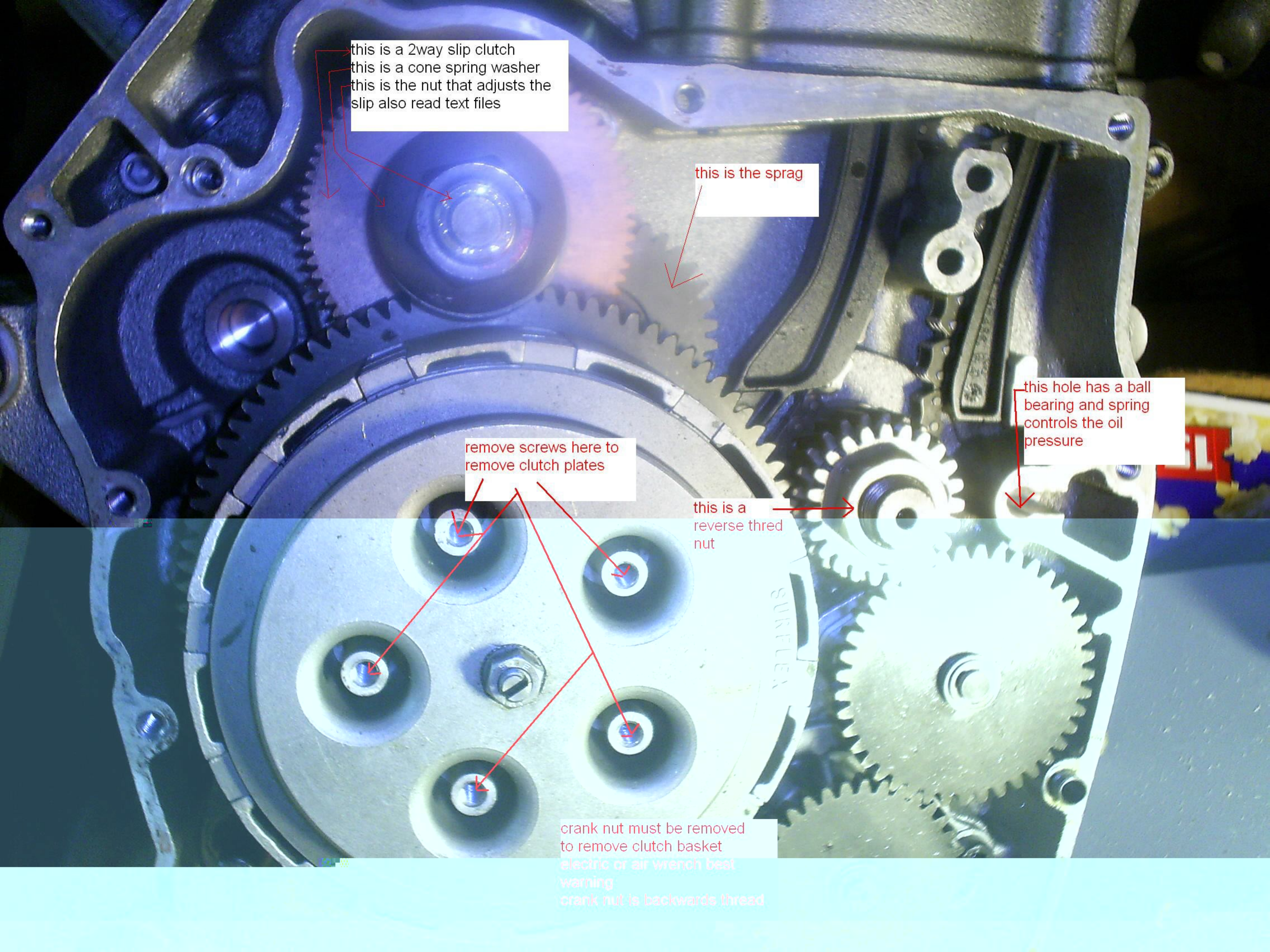
**Against the motor tooo much pressure on sprag**

**Stalling bike on a hill or on a hill wth slick grass will take it out**

**Warning crank nut is reverse thread**

**Attached pictures also included in this pdf**





this is a 2way slip clutch  
this is a cone spring washer  
this is the nut that adjusts the  
slip also read text files

this is the sprag

this hole has a ball  
bearing and spring  
controls the oil  
pressure

remove screws here to  
remove clutch plates

this is a  
reverse thred  
nut

crank nut must be removed  
to remove clutch basket  
electric or air wrench best  
warning  
crank nut is backwards thread





this line is to show that units are same  
one is front side one is back side of item 9

new unit looks like  
this at install pour  
oil into grove here

holes in new unit not in old they let in  
more oil when engine runs  
back side of item 9

bearing item 8

item 6 turns over and is  
fitted in 9  
it will slip into 9 and  
may have to be twisted  
to make it fit  
lock one way and slip  
the other

item 7 is always part of 9 and  
must never be removed  
front of item 9

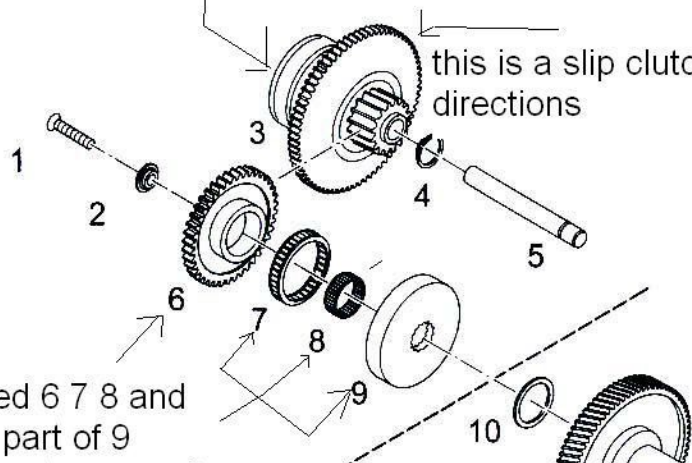
if you use the old item 6 make sure this  
surface is slick and clean with no bad spots



nut located here adjusted to 12 foot pounds

this is a slip clutch it will slip in both directions

you need 6 7 8 and  
9 7 is part of 9



NR NO	TEILNUMMER PART NO	BEZEICHNUNG DESCRIPTION	Nm	Tour	Loctite
<b>M07 Kurbelwelle CRANKSHAFT</b>					
1	9015083000	DIN 7991-M6x35-10.9, Senkschraube DIN 7991-M6x35-10.9 countersunk head screw	8+2	1	243
2	3743027000	Bundscheibe collar washer		1	
3	3743050005	Schwingungsdämpfer vibration damper		1	
4	9015122000	DIN 471-10x1 Sicherungsring DIN 471-10x1 circlip		1	
5	3741012000	Welle Elektrostarter shaft, starter motor		1	
6	3743026005	Freilauftrad free wheel gear		1	
7		gehört zu Teil Nr. 9 integrated in part NO. 9			
8	9015084000	K 17x21x10 0-2 Nadelkranz K 17x21x10 0-2 needle bearing		1	
9	3743065005	Freilauftrommel (m...)			