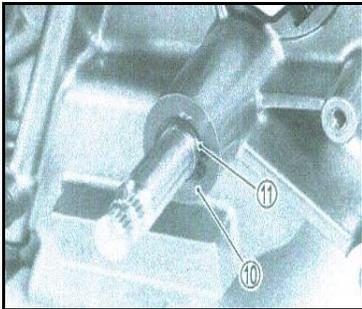




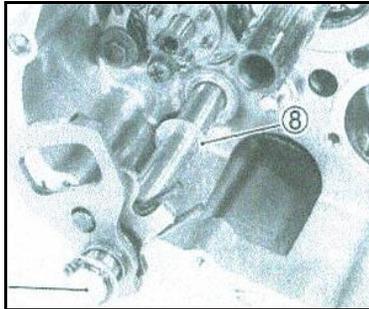
Star Shifter SP650-Star

Thank you for purchasing your Spears Racing's Star Shifter, this kit will allow you to make more positive shifts and keep more tension onto your shifting star. Shift quicker, virtually eliminates missed shifts under all conditions, a must for racing and hard riding.

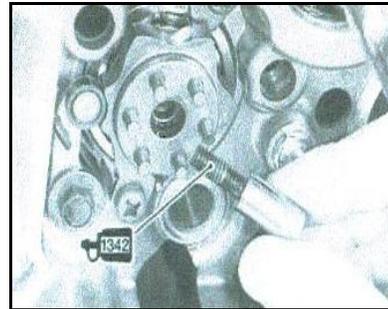
Drain the engine oil and coolant from the engine, remove the two hoses from the right side cover (one to the radiator and one to the thermostat). Remove the right side case from the engine, now you should have the right side of the engine completely opened, at this time you will be needing to remove the clutch assembly (refer to the factory shop manual) once this is completely removed you should locate the gearshift shaft on the left side of the engine (1) remove the cir clip and washer and gently push the shaft towards the right side of the engine, see the gearshift shaft/gearshift arm and washer as shown(2). This will give you full access to the star shift area (3) remove the center bolt as shown in (3) and remove the old star shifter as shown in (4).



(1)



(2)



(3)

Now that the old star shifter is removed, you should be looking at this (5) Remove the 10mm bolt from the center of the cam stopper and lay your old parts out (6) Remove all of the old parts and install the New

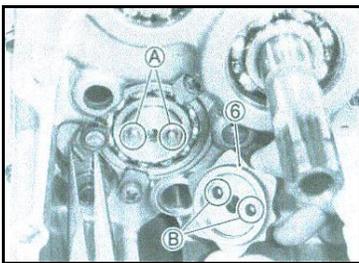
Spears Racing Star shifter, remember to clean all of the old threads on the 10mm bolt and the star center bolt with carburetor cleaner (or equivalent). When you start to assembly, remember to use Thread lock #1342 and torque the cam stopper (arm bolt #2 in Picture #6) to 7.0 lb-ft and use Thread lock #1342 and torque the center star bolt (Picture #3) to 9.5 lb-ft.



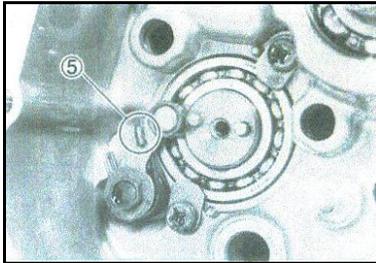
Spears Enterprises/Racing
15253 S Hwy 99 Manteca Ca 95336
(209)923-4684 Fax (209) 923-4685
www.spearsenterprises.com



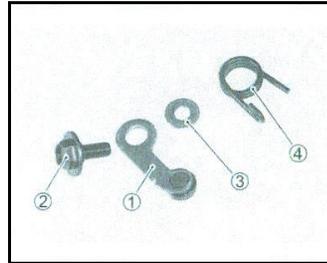
Now you should be able to reverse your disassembly and install all of the new Spears Racing Star parts, remember if you have any questions, please contact us.



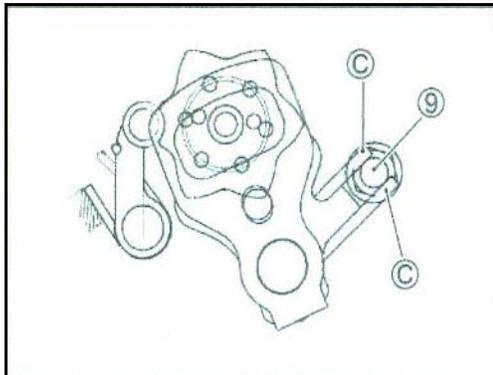
(4)



(5)



(6)



Finial View

Thank you,

Gregg Spears



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