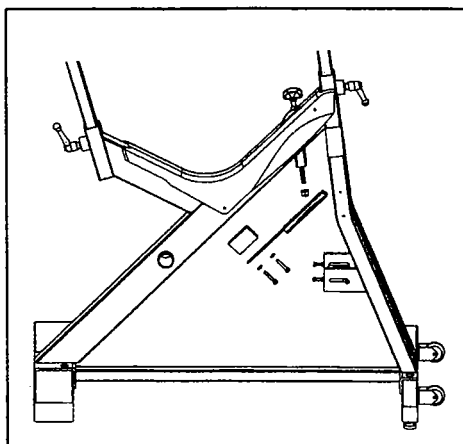




Part Replacement

Brake Pad Replacement:



Diag. C

Procedure

1. Remove tension from the brake pad by turning the Brake Knob counter-clockwise, until completely loose.

2. Using the Multi-Purpose Wrench remove the two bolts supporting the brake pad onto the frame, see diagram C.

Installation

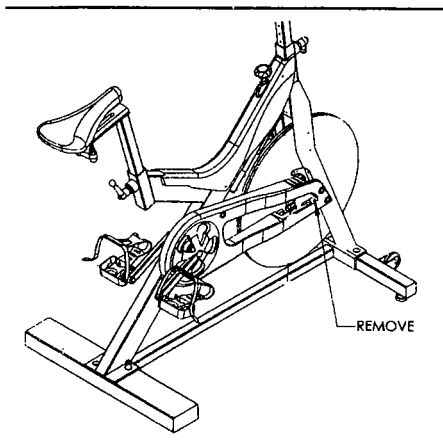
1. Carefully re-install the two bolts through the brake pad bracket onto the frame. Tighten by using the Multi-Purpose Wrench.

Note: The flywheel and crank assembly have been removed from diagram C to better illustrate the brake pad assembly. This is not required when replacing the break pad.

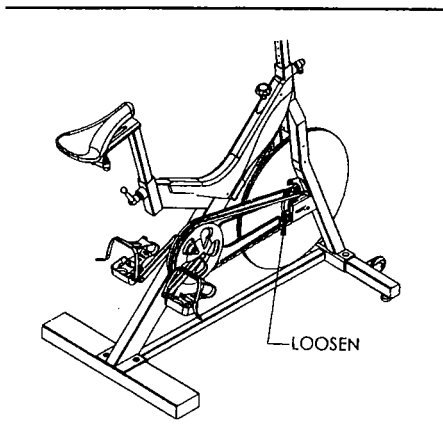
Part Replacement

STAR
TRAC

Chain Replacement:



Diag. D



Diag. E

Procedure

1. Using a 3mm Allen Wrench, remove the three screws supporting the plastic chain shrouding.
2. Using the 5mm Allen Wrench remove the flywheel axle bolts, see diagram D.

3. Loosen the chain tension bolts, see diagram E. slide the flywheel off the frame by pulling it towards the back of the bike. This will allow you to slide the flywheel back and drop down, then carefully pull the flywheel out from the back frame brackets. Next gently remove the chain from crank sprocket and flywheel cog.

Installation

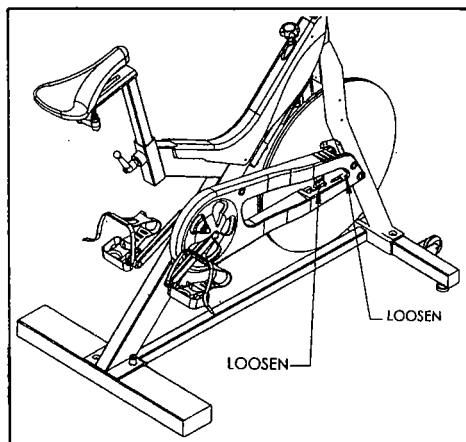
1. Install the new chain on the crank sprocket and on the cog attached to the flywheel.
2. Insert flywheel into the back brackets of the frame, sliding in, then up and in.
3. Tighten the chain tension bolts until chain has about $\frac{3}{16}$ " of slack. Verify the flywheel is straight within the frame of the bike. Tighten lock nuts. Insert and tighten flywheel axle bolts and re-install the plastic chain shroud.



Part Replacement

Bottom Bracket Replacement:

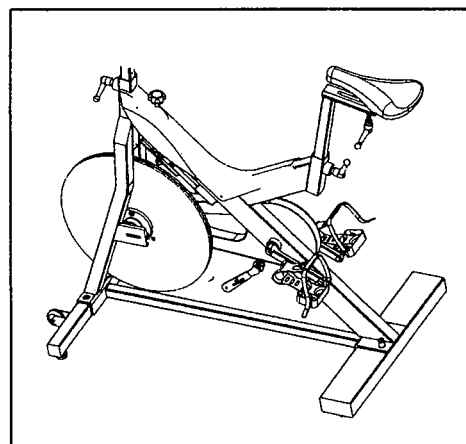
Procedure



Diag. F

1. Using a 5 mm Allen Wrench loosen the chain by loosening the flywheel axle bolts and chain tension bolts, see diagram F.

2. Using a flat screwdriver pop off the black crank bolt cover located on the side of the crank arms. Using a 14mm Socket Wrench remove the crank bolt. Next remove the crank by using a crank puller. Thread outer section of puller into crank, spin crank puller handle until crank comes off the bottom bracket. See diagram G and repeat this on the opposite side.



Diag. G

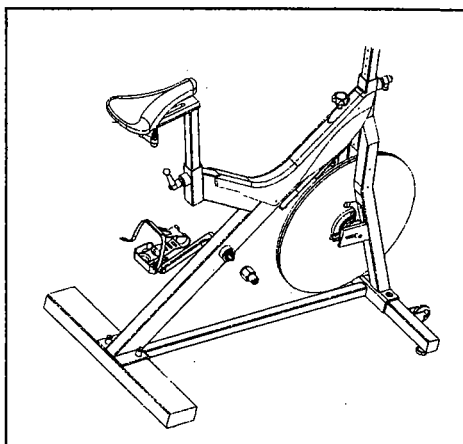
3. Remove the left cup of the bottom bracket first, with a Shimano compatible bottom bracket tool see diagram H. (This cup has standard threads)

4. Next remove the bottom bracket by loosening the right side threads using the bottom bracket tool, these threads are reversed (clockwise to loosen).

Part Replacement



Bottom Bracket Replacement: (Continued)



Diag. H

Installation

1. Wheel bearing grease should be applied to both the right and left side threads of the bottom bracket, including the inside and outside bottom bracket cup.
2. Insert cartridge from right side bracket and tighten (counter-clockwise) using the bottom bracket tool.
3. Insert cup on the left side of the bottom bracket and tighten (clockwise).
4. Install cranks with crank bolts.
5. Tighten chain with chain tension bolts, lock nuts, and then tighten the flywheel axle bolts.