3. 4 ENGINE INSTALLATION

Generally, the engine installation is performed in the reverse order of removal.

1. Set the engine on a block and slide it under the frame.

   Route the engine wire harness up into the battery box where the engine and frame, and temporarily insert a screwdriver or a rod of appropriate diameter to suspend the engine.
2. Insert the engine mounting bolts from the left side, also replace the screwdriver and install and torque the nuts. Hook the brake arm return spring on the lower mounting bolt.
3. Connect all electrical leads to the wire harness.
4. Connect the battery leads to the battery terminals, push the wire bundle up into the top of the battery box where it will not interfere with battery installation. Install battery and check to make sure that the wires are not being pinched.
5. Route the battery vent tube through the floor of the battery compartment and make sure that the tube is not pinched or kinked, preventing proper venting.
6. Reconnect the clutch cable to the clutch lever.
7. Install the inlet pipe on the carburetor and bolt to the cylinder head. Install the high tension cable hold down clip under the right inlet pipe mounting bolt. Make sure that the O ring is installed between the cylinder head and inlet pipe.
8. Install the muffler.
9. Loop the drive chain over the drive sprocket and connect the chain. The open end of the chain joint clip must be installed facing in the opposite direction of the chain movement. **(Fig. 3. 8)**
10. Install the chain case, the rear crankcase cover and the footrest bar.
11. Adjust the chain with the chain adjuster nuts on both sides of the rear wheel so that there is a slack of 1～2 cm (0.4～0.8 in) when checked with fingers on the bottom loop at mid-point between the sprockets. **(Fig. 3. 9)**

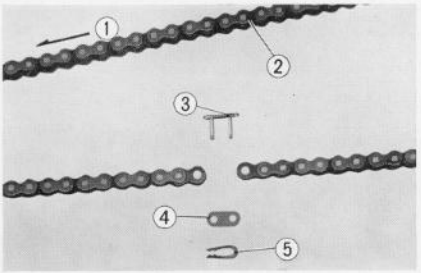

Fig. 3. 8 Setting direction of chain clip
① Direction of rotation
② Drive chain
③ Chain joint
④ Chain joint ring plate
⑤ Chain joint clip

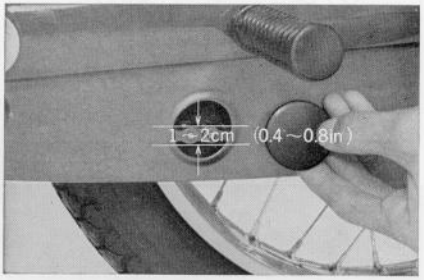

Fig. 3. 9 Adjusting the chain