

# CONTENTS

## I. PROCEDURE OF PERFORMING THE WORK ..... 1

SPECIAL TOOLS ..... 2

## II. MAINTENANCE OPERATIONS ..... 5

1. Tappet adjustment ..... 5
2. Carburetor adjustment ..... 5
3. Breaker point and ignition timing adjustment ..... 6
4. Clutch adjustment ..... 7
5. Spark plug inspection ..... 7
6. Engine oil change ..... 8
7. Oil filter cleaning ..... 8
8. Cam chain adjustment ..... 9
9. Fuel system inspection ..... 9
10. Air cleaner element servicing ..... 9
11. Brake adjustment ..... 10
12. Drive chain adjustment ..... 11
13. Battery electrolyte inspection ..... 11
14. Front fork oil replacement ..... 11
15. Cylinder compression check ..... 12

## III. ENGINE ..... 13

1. Work which can be performed without removing the engine ..... 14
2. Engine removal and installation ..... 14
3. Cylinder, cylinder head and piston ..... 15
4. Valve removal ..... 20
5. Oil pump and oil filter ..... 22

6. Clutch ..... 25
7. Gear shift mechanism ..... 27
8. Cam chain tensioner and A.C. generator ..... 29
9. Crankshaft ..... 30
10. Transmission and primary kick starter ..... 32
11. Carburetor ..... 35

## IV. CHASSIS ..... 37

1. Front brake and front wheel ..... 37
2. Rear brake and rear wheel ..... 40
3. Steering unit ..... 43
4. Front suspension ..... 45
5. Rear suspension ..... 48
6. Frame body ..... 50

## V. ELECTRICAL ..... 53

1. Generating system ..... 53
2. Charging system ..... 54
3. Ignition system ..... 55
4. Battery ..... 56
5. Auxiliary electrical equipment ..... 58

TRUBLE SHOOTING ..... 61

PERIODICAL MAINTENANCE ..... 66

TECHNICAL DATA ..... 67

WIRING DIAGRAM ..... 68

INDEX ..... 71