

CONTENTS

PART I
(CARBURETOR)

FUEL SYSTEM (Gasoline) (ခေါက်ဆီလောင်စာဆီစနစ်)
Fuel Tank (လောင်စာဆီ(ခေါက်ဆီ) တိုင်ကီ)
Fuel Lines (လောင်စာဆီလိုင်းများ)
Fuel Filter (လောင်စာဆီစစ်)
Fuel Pump (လောင်စာဆီပန့်)
Charcoal Canister (ကျောက်မီးသွေးပူး)
Carburetor (ကာဘရိုက်တာ)
Features Of Each Type Of Carburetor
Air-Fuel Ratio and Air-Fuel Mixture
Air-Fuel Mixture and Power Performance
DOWN - DRAFT DOUBLE - BARREL CARBURETOR
Float System
Primary Low-Speed Circuit
Primary High-Speed Circuit
Secondary Low-Speed Circuit
Secondary High-Speed Circuit
Power Circuit
Acceleration Pump
Automatic Choke System
Fast Idle Mechanism
Unloader Mechanism
Throttle Positioner
Throttle position Switch
Choke Opener
Choke Breaker
Auxiliary Acceleration Pump System
Hot Idle Compensator
"N" TYPE CARBURETOR
Secondary Mechanism
Secondary Throttle Valve Stopper Mechanism
Diaphragm Type Acceleration Pump

CONTENTS

Secondary Acceleration Circuit
Choke Breaker
TROUBLESHOOTING PROCEDURES
Preliminary Inspection
Troubleshooting
Fuel System Problems
INSPECTION & ADJUSTMENT OF CARBURETOR
Initial Conditions of Carburetor Adjustment
Checking Idle Speed
Adjustment of Idle Mixture will CO Meter
Adjustment of Idle speed & Idle Mixture without CO meter
FUEL PUMP
Inspection of Fuel Pump
OVERHAUL
Main Points in Carburetor Overhaul
Inspection Of Carburetor
Assembly Of Carburetor
Adjustment Of Carburetor
PART II
EMISSION CONTROL
ABBREVIATIONS USED IN THIS MANUAL
General
Chemical Symbols
Exhaust Gases
The Atmosphere
Airpollutants
Pollutants Produced by Automobiles

CONTENTS

EMISSION STANDARDS
U.S Emission Standards
EEC Emission Standards
JAPANESE Emission Standards
Principle Methods of Exhaust Gas Analysis
PRINCIPLE OF PRODUCTION OF EXHAUST GASES
Theoretical Air-Fuel Ratio
Carbon Monoxide (CO) Gas
Hydrocarbon (HC) Gas
Oxides of Nitrogen (NOx)
Driving Conditions & Exhaust Gases
EMISSION CONTROL SYSTEMS
Component Layout & Schematic Drawing
Positive Crankcase Ventilation (PCV) System
Fuel Evaporative Emission Control (EVAP) System
Throttle Positioner (TP) System
Spark Control (SC) System
Exhaust Gas Recirculation (EGR) System
Air Suction (AS) System & Air Injection (AI) System
Catalytic Converters
High Altitude Compensation (HAC) System
Automatic Hot Air Intake (HAI) System
Hot Idle Compensation (HIC) System
Choke Breaker (CB) System
Choke Opener System
Auxiliary Acceleration Pump (AAP) System
Dash Pot (DP) System

CONTENTS

Deceleration Fuel Cut - off System
Mixture Control (MC) System
Cold Mixture Heater (CMH) System
Hot Engine Starting Compensation System
TROUBLESHOOTING
Troubleshooting Procedures
Discovering Probable Cause
MEASUREMENT OF IDLE CO CONCENTRATION
Preparations for Measurement
Measuring CO Concentration
INSPECTION OF COMPONENTS
Inspection of TVSV
Carburetor Feedback System
Catalytic Converters
High Altitude Compensation (HAC) System
Automatic Hot Air Intake (HAI) System
Hot Idle Compensation (HIC) System
Auxiliary Acceleration Pump (AAP) System
Deceleration Fuel Cut - Off System
Mixture Control (MC) System
Cold Mixture Heater (CMH) System
Hot Engine Starting Compensation System