JU4H & JU6H ENGINE MODELS
ENGINE MATERIALS AND CONSTRUCTION

Air Cleaner
Type…….…….. ..Indoor Usage Only
Oiled Fabric Pleats
Material…….…..…… Surgical Cotton
Aluminum Mesh

Air Cleaner - Optional
Type……Canister
Material……Pleated Paper
Housing……..……Enclosed

Camshaft
Material…….……Cast Iron
Chill Hardened
Location……..……In Block
Drive……..Gear, Spur
Type of Cam……..…... Ground

Charge Air Cooler (JU6H-60,62,68,74,84, ADK0, AD58, ADNG, ADN0, ADQ0, ADR0, AAQ8, AARG, ADP8, ADP0, ADT0, AD88, ADR8, AD98, ADS0, ADW8, ADX8, AD98 only)
Type…….Raw Water Cooled

Materials (in contact with raw water)
Tubes…… …… 90/10 CU/NI
Headers …… 36500 Muntz
Covers …… 83600 Red Brass
Plumbing …… 316 Stainless Steel/ Brass
90/10 Silicone

Coolant Pump
Type……Centrifugal
Drive…… …… …… Poly Vee Belt

Coolant Thermostat
Type……Non Blocking
Qty……1

Connecting Rod
Type……I-Beam Taper
Material……Forged Steel Alloy

Crank Pin Bearings
Type……Precision Half Shell
Number……1 Pair Per Cylinder
Material……Wear-Guard

Crankshaft
Material……Forged Steel
Type of Balance……Dynamic

Cylinder Block
Type……One Piece with
Non-Siamese Cylinders
Material……Annealed Gray Iron

Cylinder Head
Type…….. …… Slab 2 Valve
Material…… Annealed Gray Iron

Cylinder Liners
Type…….. …… Centrifugal Cast, Wet Liner
Material……..…… Alloy Iron Plateau, Honed

Valves
Type…….. ……Poppet
Arrangement…… …..Overhead Valve
Number/Cylinder…… 1 intake
1 exhaust
Operating Mechanism….. Mechanical Rocker Arm
Type of Lifter…….. Large Head
Valve Seat Insert……Replaceable

Fuel Pump
Type…… ……Diaphragm
Drive…… Cam Lobe

Heat Exchanger (USA)
Type……Tube & Shell
Materials
Tube& Headers…… Copper
Shell…… ……Copper
Electrode……Zinc

Heat Exchanger (UK)
Type……Tube & Bundle
Materials
Tube& Headers…… Copper
Shell…… Aluminum

Injection Pump
Type……Rotary
Drive…… Gear

Lubrication Cooler
Type……Plate

Lubrication Pump
Type……Gear
Drive…… Gear

Main Bearings
Type……Precision Half Shells
Material……Steel Backed-Aluminum Lined

Piston
Type and Material…… Aluminum Alloy with Reinforced
Top Ring Groove
Cooling…… Oil Jet Spray

Piston Pin
Type……Full Floating - Offset

Piston Rings
Number/Piston……3
Top…… Keystone Barrel Faced -
Plasma Coated
Second…… Tapered Cast Iron
Third……Double Rail Type
w/Expander Spring