



# **SUBJECT CROSS-INDEX OF OCTAGON HEAVEN J2 TECHNICAL ARTICLES**

## **ACCELERATOR LINKAGE**

107 Location on bulkhead

## **AXLE, FRONT**

13 Specifications  
35 Steering angles  
36 Toe-in  
62 Heat treatment  
134 Axle stop (buffer)  
201 King pin repair  
242 Axle eye repair

## **AXLE, REAR**

27 Adjusting pinion/ring gears  
49 Ratios; interchanges  
51 Expansion on No. 27  
64 Removal of half-shaft  
71 Fit of half-shaft/hub  
92 Oil leak modifications  
134 Axle stop (buffer)  
185 Pinion oil seal  
262 Problems/solutions; disassembly;  
assembly

## **BAKELITE**

171 Repair

## **BATTERY**

13 Size  
48 Size  
114 Cables  
125 Compartment lid and catches  
130 Rear body mount  
151 Carrier dimensions  
169 Cables  
173 Negative ground  
238 Carrier dimensions

## **BOLTS & NUTS**

4 BSF/BSW history  
9 Tap/drill chart

## **BONNET**

2 Finish of attachments  
7 Underside finish  
197 Hold downs  
199 Ho1d downs  
223 Blueprint; louvres; buttons  
265 Alignment

## **BRAKES**

2 Finish of drums  
43 Finish of cables  
52 Cam lever greasers  
56 Size/finish of drums  
75 Cable casing  
80 Pedal  
88 Turning drums  
89 Finish of pedal  
90 Description; linings  
117 Installing cables  
118 Converting back to mechanical  
124 Cross-shaft return springs  
131 Adjustment instruction plate  
150 Pedal installation; cam greasers  
186 Adjustment instruction plate  
187 Adjustment instruction plate  
195 Cable routing  
236 Cable blocks  
258 Cable end boots - installation  
259 Cable end boots - care; attachment  
260 Cable length; attachment; modifications

## **BULKHEAD (FIREWALL) See also Fume Seals**

8 Items mounted thereon  
54 Data plate location  
95 Finish  
106 General layout  
107 Accelerator linkage  
110 Slow running/starter switch  
111 Finish of metal skin  
119 Fusebox and coil  
127 Sparkplug holder  
133 Supports  
220 Fuel pump  
221 Position of coil, junction box, fuse box

## **CAMSHAFT**

3 Adjusting rockers  
13 Rocker clearance  
16 Rocker clearance  
23 Auxiliary oil pressure gauge  
32 Rocker clearance  
213 Valves; rockers  
232 End float specs  
237 End float specs  
239 Timing  
240 Be11eville washer

### **CARBURETTORS**

- 37 Components, Type H (Not J2)
- 38 Needles
- 110 Slow running control bracket (bulkhead)
- 132 Choke/slow running controls
- 143 Types; pistons
- 217 Pump to carbs fuel line
- 234 Clarification of No. 37
- 249 General description
- 250 Maintenance; adjustments

### **CARPETS**

- 42 Design; components

### **CHANGES, ENGINEERING**

- 15 1933 model
- 22 Headlamp brackets (mud protection)
- 161 Production changes

### **CHASSIS**

- 138 Undershield
- 151 Battery carrier
- 161 Side rails
- 236 Brake cable blocks
- 238 Battery carrier
- 256 Undershie1d

### **CHROME**

- 1 Facia; instruments
- 2 Miscellaneous item\$
- 15 Lights (1933 model)
- 65 Hand brake lever
- 102 Engine/gearbox
- 103 Steering column

### **CLUB(S)**

- 7 Color information, MMM Register
- 87 Color information, MMM Register
- 122 MGCC (MMM Register)

### **CLUTCH**

- 19 Inspection cover
- 63 Adjustment
- 102 Finish
- 164 Adjustment
- 182 Stop
- 231 Lining material

### **COACHWORK**

- 31 Body restoration
- 82 Removing paint
- 101 Door handles
- 113 Carbodies plate
- 125 Battery compartment lid
- 130 Body to chassis mounts
- 158 Repairs, wood parts
- 170 Wood repair
- 172 Cowl repair
- 188 Installing new skin
- 189 Wood frame drawings
- 190 Another drawing
- 202 Aluminum door

### **COACHWORK (Contd.)**

- 203 Second design of wood frame
- 257 Wood rot
- 265 Bonnet, body, radiator alignment

### **CRANKSHAFT**

- 3 Bearings and dimensions
- 7 Blueprint (J4)
- 17 Cleaning oilways (Laystall)
- 20 Fatigue
- 33 Second front bearing
- 39 Front bearing
- 72 Oil duct plugs
- 74 Front bearing
- 105 Repairing
- 180 Drawing (J4)
- 185 Front oil flinger
- 245 End float specs

### **DE LUXE MODEL**

- 1 Instrument bezels
- 6 Deluxe equipment

### **DISTRIBUTOR**

- 77 Shaft end play
- 195 Types

### **DOORS**

- 101 Handles
- 202 Skinning doors

### **DYNAMO**

- 46 Oil leak; alignment; fitting
- 176 Vertical drive oil seal
- 194 Voltage check
- 210 Alignment of forks
- 211 Alignment
- 254 Conversion of third brush dynamo

### **ELECTRICAL *See also Lamps***

- 1 Facia instruments; switches
- 2 Finish of lights
- 6 Stop/tail/reverse lamp
- 8 Bulkhead items; harness routing
- 99 Petrolift superceded
- 106 Bulkhead wiring holes
- 110 Bulkhead starter switch
- 114 Routing of battery cables
- 126 Tail lamp
- 127 Head lamps
- 128 Horn
- 169 Brake lamp; horn; wiring
- 173 Wiring diagram from Blower manual
- 174 Wiring diagram from Rotax
- 175 Wiring colors
- 178 Wiring trough (bulkhead)
- 191 Running light position
- 192 Wiring harness supplier
- 220 Fuel pump (bulkhead)
- 221 Position of coil, junction box, Fuse box
- 227 Petrolift "repair"
- 234 Wiring color clarification
- 247 Magneto

**ENGINE** *See also Paint & Finish;*  
**Crankshaft, Camshaft, Carburetors**

- 7 Pistons; block
- 13 Specification
- 30 Balancing
- 47 Tuning
- 55 Removal
- 60 Service piston sizes
- 67 Front mount
- 73 Fitting piston rings
- 77 Reboring
- 136 Oil sump
- 137 Oil pump
- 139 Gaskets and seals
- 153 Rear mount
- 185 Oil flinger
- 205 Flywheel lightening
- 214 Cracked head
- 215 Oil control; end float
- 216 Engine break-in
- 228 Tuning theory: thermal efficiency,
- 229 Flywheel lightening
- 244 Big end bolt
- 247 Oil sump; water manifold
- 263 Water manifold

**EXCLUDERS**

- 95 Bell housing
- 96 Propellor shaft tunnel
- 104 Bottom of bulkhead
- 106 Top of bulkhead
- 115 Split pins
- 127 Steering column

**EXHAUST SYSTEM**

- 66 Description
- 256 Relationship with undershield

**FACIA**

- 1 Description; instruments; switches
- 6 De Luxe equipment

**FINISH** *See Paint & Finish*

**FLOORBOARDS**

- 42 Carpets
- 112 Fitting to propellor tunnel
- 187 Footbrake adjustment door

**FUEL SYSTEM**

- 13 Tank capacity
- 21 Quick filler cap; finish of tank straps
- 43 Finish of lines
- 57 Quick filler cap
- 61 Preventing "drying up"
- 84 Routing of lines
- 86 Components; routing of lines
- 99 Petrolift superseded
- 152 Tank straps
- 217 Fuel line, pump to carbs
- 220 Pump location
- 224 Blueprint of tank; supplier
- 227 Petrolift help

**FUME SEALS**

- 104 Bulkhead bottom
- 106 Bulkhead top
- 248 Bulkhead top
- 268 Bulkhead top

**GEARBOX**

- 2 Finish of bellhousing
- 25 J4 E.N.V. gearbox
- 58 Layshaft oil leakage
- 59 Shift lever rattle
- 102 Paint scheme
- 108 Change housing felt
- 116 Change housing box paint
- 144 Description/disassembly/assembly
- 146 Disassembly/assembly
- 147 Typical problems
- 148 Gear ratios
- 206 Numbering
- 207 Gear oil
- 212 Bearings
- 251 Bearings

**GEARS**

- 181 Source

**GENERATOR** *See Dynamo*

**HANDBRAKE** *See also Brakes*

- 65 Finish
- 124 Return springs

**HARNESS, WIRING** *See Wiring*

**HOOD (TOP)**

- 6 Color, 1932 model
- 15 Colors, 1933 model
- 65 Storage
- 78 Colors
- 196 Side Screen positioning
- 198 Frame details
- 218 Rear window size
- 219 Frame positioning
- 222 Layout; seams
- 252 Frame positioning; attachment; straps

**HORN**

- 1 Switch
- 128 Description
- 169 Klaxon

**IGNITION**

- 1 Switch
- 3 Timing
- 13 Specifications
- 44 Manual advance
- 103 Manual advance
- 193 Specifications
- 194 Switch
- 195 Tuning
- 241 Timing

**INSTRUMENTS See also Speedometer**

- 1 Identification: description: location
- 6 De Luxe equipment
- 233 Fitting a tachometer

**INTERIOR**

- 6 Colors, 1932 model
- 10 Seat design, dimensions
- 15 Colors, 1933 model
- 41 Components, materials
- 42 Carpets
- 45 Seat adjustment
- 65 Sidescreen/hood storage
- 125 Battery compartment lid
- 157 Door/facia piping
- 159 Door panels/pockets

**LICENSE PLATE**

- 126 Description, dimensions (rear)
- 163 English license letter system

**LAMPS (LIGHTS)**

- 22 Headlamp bracket modification (mud protection)
- 126 Taillamp description
- 127 Headlamp description
- 174 Headlamp operation
- 191 Side (wing) lamp position
- 264 Head lamp reflector resilvering

**LUBRICATION SYSTEM**

- 18 Rear spring rear trunnions
- 24 Diagram
- 43 Finish, paint
- 68 Lubrication chart
- 69 Nipple types
- 76 Gear oil
- 81 Nipple/grease cup repair
- 83 Cleaning/preserving brass
- 84 System routing, right side
- 85 System routing, left side
- 133 Bulkhead supports
- 140 Rear spring rear trunnions
- 141 Steering gearbox
- 230 Tubing details; routing

**NUMBERS**

- 44 Engine to chassis
- 94 Chassis
- 109 Locations on chassis/body
- 120 Chassis parts
- 121 North American owners
- 129 Engine
- 162 English license letter system
- 184 Engine
- 235 Firewall data plate
- 246 Engine

**OIL FILTER**

- 136 Sump filter
- 165 Add-on external filter

**OIL PUMP**

- 137 Description

**OWNERS**

- 11 Survey of values
- 121 North America
- 225 Unconfirmed cars
- 226 Non-participating
- 253 Participating

**PAINT & FINISH**

- 1 Facia; instruments
- 2 Major components
- 6 Standard colors, 1932 model
- 7 Engine; wings, bonnet
- 15 Standard colors, 1933 model
- 21 Fuel tank straps
- 43 Engine; fuel lines; brake cables; 1ube system
- 78 Standard colors
- 87 Discussion of colors
- 89 Pedals
- 96 Propellor shaft tunnel
- 102 Engine components
- 103 Steering column: steering gearbox
- 116 Remote "gear change 'box'
- 125 Battery compartment latches
- 128 Horn
- 135 Radiator support rods
- 167 Valance brackets
- 168 Spare tyre top bracket
- 223 Bonnet buttons
- 234 Wings

**PLATES, I.D.**

- 8 Firewall data plate
- 43 Lubrication
- 98 List
- 113 Carbodies
- 116 Non-standard
- 129 Rocker cover
- 131 Foot brake
- 132 Choke/slow running
- 133 Lubrication
- 157 Rocker cover
- 186 Foot brake
- 187 Foot brake
- 235 Firewall data plate

**PRODUCTION DATA**

- 15 Changes for 1933
- 34 All MG through 1938
- 94 J types
- 109 J2
- 121 North American owners
- 161 Production changes
- 162 Build dates

**PROPELLOR SHAFT**

- 70 High performance
- 96 Tunnel front excluder
- 112 Mounting tunnel
- 113 Rear tunnel
- 138 Under shield
- 246 Tunnel plug

**RADIATOR**

- 13 Capacity
- 21 Quick filler cap
- 57 Quick filler cap
- 79 Description
- 93 Source for reproduction
- 100 Hoses and clamps
- 135 Support rods

**RAIN CHANNEL**

- 8 Attachment
- 106 Attachment
- 177 Dimensions
- 178 Wiring trough

**RESTORATION** *See also Coachwork*

- 82 Removing paint
- 83 Cleaning/preserving brass
- 115 Split pins
- 171 Bakelite repair
- 185 Miscellaneous tips
- 266 Steering wheel

**SEATS**

- 10 Mounting; dimensions; adjustment
- 45 Adjustment

**SHOCK ABSORBERS**

- 29 Rebuilding (Not J2)
- 160 Description

**SIDESCREENS**

- 65 Storage
- 158 Frames
- 196 "Second" Side curtain
- 222 "Second" Side curtain
- 240 "Second" Side curtain
- 252 "Second" Side curtain

**SPARES**

- 5 Sources (dealers)
- 14 Sources (dealers)
- 40 Deletion of sources
- 93 Radiator
- 97 Sources
- 123 Tyre source
- 142 Bone Brothers
- 145 Sources
- 155 Factory parts list
- 200 Dealer cartoon
- 224 Fuel tank source
- 231 Clutch lining source
- 233 Tachometer
- 255 Sources (England)

**SPARKING PLUGS**

- 13 Type, gap
- 57 Gap
- 127 Spare plug holder
- 193 Type, gap

**SPECIFICATIONS** *See also Camshaft; Crankshaft*

- 3 Engine
- 4 Torque
- 7 Block
- 13 Front axle; engine; fluids
- 28 Bored engines
- 35 Steering angles
- 39 Timing
- 60 Service piston sizes
- 251 Gearbox roller bearings

**SPEEDOMETER**

- 116 Cable (description/routing)
- 157 Description
- 233 Drive gear; reduction box

**SPRINGS, ROAD**

- 18 Rear spring rear trunnion
- 140 Description; installation
- 234 Rear spring rear trunnion
- 243 Rear spring rear trunnion

**STEERING COLUMN**

- 106 Bulkhead hole location
- 111 Bulkhead hole location
- 127 Excluder

**STEERING GEARBOX**

- 26 Removal, repairs
- 103 Column/box finish
- 141 Description; reassembly

**STEERING WHEEL**

- 89 Ashby and Brooklands wheels
- 116 Ashby wheel
- 266 Restoration

**TECHNICAL INFORMATION SOURCES**

- 50 List
- 166 Blower manual
- 269 Instruction Manual for J Series

**TIMING**

- 3 Ignition
- 13 Specifications
- 21 Service information
- 39 Increased compression ratio
- 44 Manual advance
- 239 Camshaft (valve) timing
- 241 Ignition timing
- 261 Valve timing

**TOOLS**

- 8 Handcrank mounting
- 88 Accessory toolbox
- 91 List
- 154 Australian source
- 267 JI tool box

**TOP See Hood****TRUNNIONS**

- 18 Lubrication
- 140 Description, covers

**TYRES (TIRES)**

- 12 Description
- 13 Size, pressure
- 123 Sources
- 246 Problems

**TYRE (SPARE) CARRIER**

- 21 Finish
- 152 Description/dimensions of tank straps
- 156 Description/dimensions of carrier straps
- 168 Top bracket

**UNDERSHIELD**

- 8 Description/diagram
- 256 Dimensions; diagrams

**VALANCES (UNDER-BONNET)**

- 130 Rear mount
- 167 Attaching
- 199 Bonnet hold-downs

**VALUE**

- 11 Owner survey

**VALVES**

- 3 Adjusting rockers
- 13 Rocker clearance
- 16 Rocker clearance
- 32 Rocker clearance
- 213 Rockers, clearances
- 261 Valve timing

**WHEELS**

- 6 Colors for 1932 model
- 15 Colors for 1933 model
- 149 Size, description, repairs

**WINDSCREEN**

- 203 Side supports
- 204 Types
- 208 Description
- 252 Hood attachment

**WIPERS**

- 7 Vacuum operated
- 53 Vacuum lines
- 179 Vacuum operated
- 183 Vacuum line from manifold
- 204 Change from vacuum to electric
- 208 Vacuum line/electric wire routing
- 209 Description
- 240 Vacuum line from manifold

**WIRING**

- 169 Color coding
- 175 Color coding
- 192 Source
- 208 Wiper
- 234 Clarification of color code

Prepared by Windom L. Estes  
1047 San Carlos Road  
Pebble Beach, CA 93953  
408/375-2311  
Revised 10/86