

**1967 JAGUAR SERIES 1 COVERED-HEADLAMP E-TYPE ROADSTER**

**1E13910**

**CLARET/BLACK**

**Jaguars Unlimited three-year restoration.**

**No expense spared.**

Project began with the acquisition of a 1967 Series 1 roadster with 28,435 original miles from a couple in Indiana in September 2003- clean, without rust, and a good driver.

The car then had a thorough restoration by Jaguars Unlimited in Highland Park, IL (David Schaid, owner 847-432-4200) from September 2003 until July 2006. Jaguars Unlimited is among the preeminent Jaguar restoration facilities in the U.S., with considerable experience in E-Type refurbishment and modernization of antiquated technology in these cars. The shop was instructed to spare no expense in the creation of one of the finest, modernized Series 1 cars in existence. During the restoration process, every proposed improvement was authorized. David Schaid advises that a comparable restoration on a good low-mileage Series 1 E-Type beginning in 2009 would cost well in excess of \$200,000.

28,564 original miles upon delivery after restoration. (As of June 2009, there are 29,161 original miles- driven only 600 Sunday miles in approximately three years.)

Following is a summary of work performed:

**Mechanical:**

**Cylinder Head and Related Items-**

Strip and hot tank cylinder head.  
Six new exhaust valves.  
Six new exhaust guides.  
Six new intake valves.  
Six new intake guides.  
Machine to fit new valves and guides.  
Re-surface head gasket surface.  
Port and polish cylinder head.  
Two mild street performance camshafts.  
Twelve new tappets.  
One set exhaust tappet hold-down plates.  
Twelve new valve retainers.  
Twenty-four new valve keepers.  
One set heavy-duty valve springs.  
Twelve custom-ground valve shims.  
New cam bearings.  
Re-assemble cylinder head and adjust valves.

### **Engine Block and Related Items-**

Strip and hot tank engine block.  
Bore cylinders to fit new pistons.  
Machine crankshaft.  
Six late-style connecting rods.  
Twelve new rod bolts and nuts.  
Shot peen and balance six connecting rods and pistons.  
Line bore engine block.  
Balance crankshaft, rods and pistons.  
New main bearings.  
New rod bearings.  
New thrust bearings.  
New AE 9:0 x 1 pistons with rings.  
Two new timing chains- upper and lower.  
Four new timing chain guard rails.  
New lower timing chain tensioner.  
Overhaul upper timing chain tensioner.  
New heavy-duty-style oil pump.  
New Teflon-style front seal with retainer.  
Harmonic balancer- upgrade Team Classic Jaguar.  
Complete new engine gasket set.  
Two front motor mounts.  
Rear engine mount.  
Detail engine block (black).

### **Carburetion-**

Overhaul three SU 2" carburetors.  
New performance carburetor needles- necessary with camshaft upgrades.  
Clean, detail and polish intake manifold.  
Three new-style base plate insulators.  
Detail original-equipment style air filter assembly – trumpet, triangle and base can.  
Polish carburetor tops (suction chambers) for added beauty.

### **Exhaust-**

Standard exhaust manifolds cleaned and Jet Hot coated in satin black.  
New studs, nuts and hardware.  
New stainless steel Original-Equipment style Boral exhaust.

New hangers and gaskets throughout system.

### **Transmission and Related Items-**

New lightweight alloy flywheel.  
New 9 1/2" diaphragm clutch kit.  
New Classic Jaguar five-speed short-throw manual transmission.  
New bell housing.  
New stainless steel slave cylinder.  
New stainless steel slave cylinder hose.  
New clutch master cylinder.  
New custom-fit heavy-duty drive shaft.  
New rear transmission mount.  
New stainless steel clutch lines.

### **Differential and Rear Axle-**

Disassemble rear carrier and suspension.  
Clean, inspect, and reseal differential unit.  
Four new axle shaft joints.  
Two new outer rear wheel bearing kits.  
Two new rear snubbers.  
Four new rear radius arm bushings.  
Four new rear carrier mounts.  
Four new rear fulcrum bearings and seals.  
Four new Classic Jaguar Alden custom alloy adjustable shocks.  
Four new rear springs and collets.  
New rear camber shims.  
Eight new inner control arm bearings.  
Eight new inner control arm seals.  
Four new urethane rear sway bar bushings.  
Two urethane rear sway bar "D" bushings.  
Detail and paint differential assembly and carrier.

### **Brakes-**

#### **Front**

Vented Coopercraft brake kit with cast iron calipers.  
Two new front brake stainless steel hoses.

Two new vented front rotors.  
Two new front wheel bearing kits.

### **Rear-**

Overhaul and re-sleeve four caliper halves- upgraded to 2 1/8" Dunlop.  
Two new rear bridge pipes.  
New stainless steel rear brake hose.  
New Ferrodo rear brake pads.  
Two new rear solid-style rotors.  
Overhaul emergency brake calipers.  
New emergency brake cable.  
New emergency brake pads.  
Two new steel brake lines at rear carrier.  
All new stainless steel brake lines.

### **Brake Hydraulics (Power System)-**

New brake master cylinder.  
Rebuilt brake servo.  
New vacuum check valve.  
New vacuum hoses and clamps.  
Two new reservoir bottle float switches.  
New fluid hoses and clamps.  
New brake bottles and clutch bottles.

### **Ignition System-**

Six new resistor-type spark plugs.  
New spark plug wire loom.  
New custom 8M Taylor wires – special for stereo reception.  
New Mallory electronic ignition distributor assembly.  
New air filter element.  
New fuel filter elements – glass bowl at front; strainer at rear.  
New MSD high-vibration style coil and resistor.

### **Cooling System-**

New alloy radiator with upgraded cooling fan.  
New alloy header tank.

New Kevlar-style hose kit and clamp kit.  
New heater valve and seal.  
New water pump.  
New thermostat.  
New water pump belt.

### **Front Suspension-**

Two new-style lower ball joints.  
Overhaul two upper ball joints.  
Two new tie rod ends.  
Four new urethane upper control arm bushings.  
Four new urethane lower control arm bushings.  
Two new steering rack mounts.  
Two custom Classic Jaguar Alden custom alloy adjustable shocks.  
Two new urethane sway bar "D" bushings.  
Four new urethane sway bar end links bushings.  
Two Classic Jaguar uprated tension bars.  
New camber shims.  
Align front end and adjust ride height.  
Clean and detail front suspension.

### **Wheels and Tires-**

Four 72-spoke 15" x 6" center-laced Dayton wire wheels.  
Four 205/70 R15 Michelin MXV4 V-rated tires.  
Four new chrome knock-offs.  
Five 15" radial tubes.  
One new 72-spoke 15" x 5" standard wheel (spare).  
One 185 15 Avon spare tire.

### **Electrical-**

Ten new wiring harness assemblies.  
New bulbs and connectors at lights.  
Overhaul windshield wiper motor.  
New heater fan motor.  
New gear-reduction style starter motor.  
New 130-amp Delco alternator with internal regulator.  
Overhaul all dash gauges; install quartz movement in clock assembly.  
Clean switches and replace knobs.

New horn contacts and upper steering column bushings.  
New turn signal flasher relay.  
New battery.  
New battery hold-down hooks and screws.  
Three new battery cables.  
New horn relay.  
Two new horns.

### **Fuel System-**

Strip and epoxy coat fuel tank.  
New filler neck hose and clamps.  
New fuel tank mounts.  
New fuel tank base pad.  
New fuel tank drop seal.  
New fuel pick up gasket and filter.  
New fiber washers for all lines.  
New fuel sender and gasket.  
New electronic-style fuel pump.  
New fuel pump mounts.  
New vented-style fuel cap.  
All new boot lines and clamps.

### **Miscellaneous:**

New Mota Lita Original Equipment-style 16" steering wheel.  
New interior rear-view mirror and stainless steel rod and upper trunion.  
Two new exterior gooseneck-style exterior rear-view mirrors.  
New emergency brake switch and spring assembly.  
New bonnet safety catch.  
Three new windshield arms and blades.  
Two new windshield wiper nozzles and hose.  
New stainless steel replacement heater tubes in dash.  
Two new license plate light assemblies.  
Two new tail light lenses.  
Two new front light lenses.  
Provide and install new factory-style tilting front license plate assembly.  
New reverse light assembly.  
New alternator heat shield.  
Four new exhaust pipe and muffler heat shields.  
New choke cable.  
New speedometer cable.

Two new heater cables.  
Clean and lubricate door handles.  
Clean and lubricate door jamb latches and strikers.  
Clean and lubricate window mechanisms.  
Clean and lubricate door opener mechanisms and outside door handles.  
Clean and lubricate pedal box.  
Overhaul and detail heater box.  
Overhaul and detail steering rack assembly.  
Overhaul bonnet and boot hinges with new springs.  
New upgraded headlights- Hella lights with H 4 Xenon bulbs.  
Custom-drilled 3 ½” holes and rubber plugs for easier headlight bulb replacement.  
Two new 3-point Jaguar seat belts with retractors.  
Acid dip and plate door internal hardware – winders and openers.  
Acid dip and powder coat all front and rear suspension parts.  
Acid dip and powder coat convertible top frame.  
Acid dip and powder coat steering column tube and steering shaft.  
Acid dip and powder coat seat frame bases.  
Acid dip and cadmium plate seat slides.  
Fram “Sure Drain” kit.  
New tool roll bag.  
New clutch master cylinder spacer.  
New clutch trunion assembly.  
New clutch fork.  
New lower coolant hose.  
New T/S switch assembly.  
New steering shaft collar.  
New fuel drop cylinder.  
New windshield washer bottle and pump assembly.  
Two new seat mushroom and spacer kits.  
New Grade 8 hardware as necessary.

### **Cosmetics and Body:**

New upper dash pad.  
New dash fascia vinyl.  
New bezels and instrument strip.  
New glove box.  
New BAS, Ltd. Major interior kit in black leather.  
Full insulation installed throughout cockpit.  
New black cloth GAHH convertible top.  
New black cloth convertible top cover.  
New rear wood kit for convertible top.  
New front wood bow for convertible top.

Three new chrome latches for convertible top.  
New hardware kit for convertible top.  
Two new chrome drip rails.  
New major body rubber kit.  
Disassemble body to prep for bead blasting.  
Bead blast entire body and bonnet to bare metal.  
Epoxy wash and prime entire body inside and out.  
Bottom coat underside of body for sound deadening and thermal insulation with black Line/X bedliner material.  
Straighten, align and repair body and bonnet as needed.  
Paint body, bonnet and boot inside and out in claret (dark burgundy) with two-stage base coat/clear coat with Dutch Sikkens paint.

**Chrome replated by Graves Plating to show chrome standards, to include:**

Two bumper blades.  
Front grille center motif and two ends.  
Two front overriders.  
Two front light bodies.  
Two headlight rings.  
Two A post "L" brackets.  
Two window frames.  
Four inside door chrome strips.  
Two outside door caps.  
Two hard top brackets.  
Bonnet rear grille.  
Two rear bumper blades.  
Two rear overriders.  
Reverse light housing.  
Interior light bezel.  
Two rear light bodies.  
Reverse light bezel.  
Emergency brake handle and knob.  
Interior door and window handles and bezels.  
Bonnet pull handles.

**New Chrome:**

Two windshield upper and lower chrome strips.  
New license plate surround chrome strips.  
Three new windshield wiper bezels.  
Three new windshield wiper nuts.  
New bonnet pin heading and clips.  
New convertible top front chrome.  
New convertible top rear chrome strip.  
New outside door handles.

**Stereo:**

200 watt Alpine AM/FM/CD receiver #CDA-9811 (CD/MP3/WMA receiver).  
Alpine boot-mounted juke box #CHA-5634 (Six-disk Ai-Net CD/MP3 changer).  
Dakota digital powered antenna (no mast).  
1,000 watt Sony boot-mounted power amplifier KX 600.4  
Two 6 ½" Blaupunkt console speakers.  
Two 6 ½" Blaupunkt sill-mounted speakers.  
Three Sony 4-way 6"x9" rear bulkhead-mounted speakers.  
Four A-post mounted tweeters.  
iPod interface in console box.  
Three custom sill boxes for speakers.  
Monster cables-  
Hard-wire 4 gauge Monster cables.  
Speaker wire 4 gauge Monster cable.  
Heavy-duty fuse holder.  
Splitters, bass blockers, crossovers.  
Custom boot boards to accommodate stereo system in boot.

**Additional work:**

New thermostat housing.  
Upgrade to silicone hose kit.  
Thirteen 3-watt halogen brighter Australian dash bulbs.  
New front tinted windshield.  
Two new side tinted windows.