

CONRAD STEVENSON Restorations

1523 4th Street, Berkeley, CA, 94710-1706 phone: (510) 526-4516

TIPO 56 spider

Lic#: 641 YRD mi:46961

date 05/19/2004

Labor

Door weld and adjust

Remove drivers door and weld up cracks around lower hinge. Install and adjust as best as possible, shaping rubber stop. Rework window crank retaining screw point.

3.0 hours

Top frame repair and fabric re-installation

Remove front bow from convertible top and take off upholstery and remove wood and previous repair attempt, prep for welding. Make patterns for missing metal and weld in place. Cut wood insert as original for fabric attachment.

4.0 hours





New wood and steel pieces for top bow. Welded in steel repair.

Note top bow is still too flexible. Extract hook latches using heat and impact screwdriver, smoky and difficult but successful.

Make reinforcement strip and weld along the inside of front bow.

Make (7) correct top frame bolts on lathe to replace loose fitting bolts. Each of these has a precise length shank and thread that is needed. Glue on fabric to front bow and install new chrome latches, making special screws as needed.

4.5 hours

4.5 hours

Attempt to fit top onto clasps behind door, misaligned, remove top from rear bow and center so that it lines up correctly with clasps, re-glue rear bow. Attach front fabric to new wood using screws, glue and nails. Install front latches and front rubber seal. Unbolt top frame and adjust for and aft for best fit.

3.0 hours





Installed top

Steering wheel restoration

Assemble original wheel with supplied horn ring and center button parts. Locate missing center contact ring, copper spring and special horn ring screws.

Cut and grind off old broken white plastic off of original horn ring. File and sand old plastic and reattach to newly plated horn ring using clamps and plastic epoxy. Shape plastic with files, prime, sand and paint in original ivory color.

Wet sand steering wheel and center button parts to remove over spray paint and deep scratches, buff and machine polish. De-rust center section and treat corrosion on springs.

Piece together wire connections and missing center contacts, constructing a working light flasher and horn mechanism.

6.25hours



Horn assembly



New and old wheel

Trunk latch

In order to fit a key cover for trunk latch, remove chrome latch and Alfa emblem (note: entire piece is hand fabricated non-original slightly misshapen and pieced together) Find newly chromed key cover, make stainless pivot attachment rivet, tig welding down with special made cover return spring. Make rubber edge gasket and install.

3.25 hours

Carb swap and air filter mods.

Remove Solex carb and install Weber. Modify air box to clear hood, weld to carb top part, metal work, filler and repaint semi flat black.

3.5 hours



Carb and modified air filter for hood clearance.

Complete carb installation, modify support clamp, make special clamp bolt and collar, extend carb link (weld and tap additional length).

Start car and adjust carb, install secondary return spring between carb and bell crank to bring back idle.

Adjust clutch link and note need rubber drive shaft coupling, loose rear u-joint, and clutch bell crank bushing.

Change rear brake shoes.

Test drive car and note oil leak from breather tube, perhaps overfilled, loud metallic sound from bell housing area.

3.0 hours

Remove starter motor and redo wires that have cracked and reinstall starter. Trace loud noise to contact with throw out bearing, pressure plate was out of adjustment. Screw in adjustment, test run and stake set screws.

Lube all grease fittings, cleaning old caked on grease, replace broken fittings on drive shafts and suspension bushings.

Note: front right center tie rod end contacts lower frame cross member at grease nipple. This is do to damage at the idler box which has bent the frame and been ad hock repaired, wrong bolts, shims and some cracking around mounting point.

Remove damaged grease nipple insert good nipple and replace with plug to keep dirt out.

4.0 hours

Remove drive shaft and replace noisy center support bearing and cracked rubber coupling.

3.25 hours

Parts

1 Weber down draft carb	\$480.00
1 upper a-arm grease fitting	\$12.00
1 rubber drive shaft coupling	\$48.00
1 center support bearing	\$32.80
2 new chromed top latches	\$250.00
4 early style re-chromed top turn clasps	\$64.00
1 missing horn center button contact ring	\$20.00
1 missing horn button copper spring	\$20.00
3 horn ring hold down screws, long shanks	\$15.00
1 re-chromed horn ring	\$85.00
Horn plastic, epoxy, ivory paint, sand paper	\$14.00
Total parts	\$1040.80

Invoice totals

Labor	\$3757.50
Gas	\$15.00
Parts	\$1040.80
Tax	\$91.07
Grand total	\$4904.37

Items remaining: Top front bow- needs new/better front section

Front-end alignment

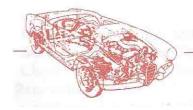
Motor adjustments- Carb and timing Door gap and latch adjustments



I hereby acknowledge receiving the estimate for the repairs requested and the necessary parts and grant permission for the work to be carried out. I will allow additional work to be carried out if notified by phone. I hereby grant permission for the car to be driven on the highway or elsewhere for the purpose of inspection and testing. An express mechanics lien is acknowledged on the car to secure the amount of the repairs. Not responsible for loss or damage to cars or articles left in car in case of fire theft or any other causes beyond my control.

Cinnad	
Signed	

Date	



CONRAD STEVENSON Restorations

#282

1523 4th Street, Berkeley, CA, 94710-1706 phone: (510) 526-4516

TIPO 56 spider Lic#: 641 YRD mi:47363 date 9/12/2005

Labor

Oil pump and oil pan

Remove oil pan and pump.

Inspect #2 & #4 main bearings and rod bearings. Replace #4 scored bearing with better used. Some dirt has run through motor causing some damage to the bearings,

Modify new late model oil pump by cutting and welding pick up. Attempt to modify original steel oil pan, but a better aluminum pan fits with no contact and probably has better baffling than steel type pan.

7.5 hours



Fabricated pump on test motor.



Larger pump, original.

Make steel windage tray fit early series motor. Install oil pump and windage tray, lift motor and install pan with new nuts and bolts.

4.5 hours



Windage tray fitted to early block



Both pans and pumps.

Remove worn motor mounts, lifting motor and extracting. Install new mounts with new hardware.

4.0 hours

Metal fuel line repairs

Flare ends on steel fuel lines to and from mechanical pump to prevent lines from becoming disconnected. Remove copper fuel line from tank to repair poor leaky solder end at tank pick up.

1.25 hours

Clean oil filter canister and change filter and add 6.5 quarts oil.

Start car and set timing. Torque oil pan hot.

Check oil pressure with external gage, car instrument reads 5psi less at 80 psi Rear axle.

Check rear axle ratio-(4.55: 1.0), Locate a (4.10: 1.0) rear axle unit. Clean exterior and disassemble halves, inspect ring and pinion. Note broken ring gear bolt. Clean out housings. Replace ring gear bolts. Scrape and clean rust and dirt from axle tubes. Clean out interior of tubes. Metal work bent trailing arm points and make gussets for additional support, welding in place. Prime and paint tubes and center section. Assemble rear axle sections installing new seals. 10.0 hours

Remove old 4.55 axle and install 4.10 clean up springs, shocks, parking brake pivot parts, and trailing arms. Install axles from previous rear axle and drive shaft, dressing hardware. Connect brake line and e-brake. Fill diff with 80/90w.





Rear axle tubes.

Painted and assembled 4.10 rear axle.

Driver seat repositioning and spare tire refitting

Remove driver seat and modify floor and seat rail attachments to lower seat and allow further reward position. Shape tunnel section to not contact seat. Remove spare tire and modify spare tire cradle to position tire up and to the right, cutting and welding in steel lifts. This does allow the seat to go further back but requires that the driver seat be fully removed order to access spare. 6.5 hours







Sectioned seat track.

Painted weld areas. Spare tire bracket rework. Reinstall interior floor pieces and seats along with belts.

1.25 hours

Exhaust system

Make new exhaust system with Alfa front resonator and stainless main muffler using 2 in stainless straight sections and Alfa hanger assemblies, copying original fabric style hanger at rear. Mock up system and remove for final welding and gussets, painting and 6.5 hours installing.

Fuel tank strap rework.

Remove poorly repaired fuel tank straps that had no felt padding and poorly repaired broken strap with bolts rubbing into tank. Weld in a joiner section to steel tank strap and install with felt padding as original on both straps.

1.5 hours







Poor repair on tank strap.

Better repair.

New exhaust and felts.

Alternator and negative ground conversion.

Start car and test drive, noting generator light now on, system not charging. Remove generator and note bad armature, locate good used alternator. Mock up small Mitsubisshi alternator on test block, cutting off all mounting points and relocating them to suit Alfa. Disassemble and complete Tig weld. Clean, reassemble and install. Test drive, place car on stands, re-torque and set lock tabs on rear axle. Rewire regulator and reverse battery terminals, re-soldering ends to convert car to negative ground. Rewire electric fuel pump and check gage wiring. Trouble shoot horn relay wiring, crimp new end.

6.5 hours

Drill and tap windshield top posts and install chrome caps with stainless finish screws (glued on previously).



Alternator installation

Total labor 56.25 hours x 90\$/hour = \$5062.50

Invoice continued>

Invoice swig57 continued

Parts

Parts	
1 oil pump	\$272.50
1 aluminum oil pan	\$160.00
1 pan gasket	\$32.00
Pump o-ring	\$2.25
Oil filter	\$11.60
Steel windage tray	\$40.00
16 6x1mm nuts, bolts and washers(oil pan)	\$32.00
1 new rubber motor mount	\$105.00
1 good used motor mount	\$40.00
7 quarts 20/50 motor oil	\$21.70
Distributor o-ring	\$2.50
2 rear wheel bearing seals	\$23.00
1 pinion seal	\$15.55
1 4.10 rear axle assembly 1956 series	\$550.00
5.5 feet Stainless 2 inch exhaust tubing	\$54.00
1 front Alfa resonator	\$75.00
1 Stainless main muffler	\$85.00
2 Alfa hanger assemblies	\$76.40
2.8 pints 80-90w gear oil	\$8.60
1 pint brake fluid	\$6.30
Misc electrical connectors	\$4.00
Mitsubishi alternator (good used)	\$80.00
Parts total	\$1697.40

Invoice totals

Labor	\$5062.50
Sub- Solder fuel end (\$30) Gas(\$36)	\$66.00
Parts	\$1697.40
Tax	\$148.52
Grand total	\$6974.42

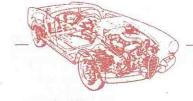
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Signed			



#2004



CONRAD STEVENSON Restorations

1523 4th Street, Berkeley, CA, 94710-1706 phone: (510) 526-4516

TIPO 56 spider Lic#: 641 YRD

mi:47363

#292



date 4/12/2006

Labor

Remove cylinder head, extracting with head puller tools.

Disassemble and clean head and de-carbon valves.

Note: stripping #1 spark plug holes.

failing #4 exhaust valve spring retainer

Remove oil pan, trans and block.

6.0 hours

4.0 hours 2.5 hours

Place motor on stand and fully disassemble. Clean block and front cover. Have front cover seal area and front cover oil seal machined. Dress head studs and paint water jacket area. Install crank, front cover, flywheel pressing on a better ring gear.

9.0 hours

Make front lock tab for castellated front pulley nut, torque and install.

Install #1 piston and liner, plasti gage rod bearing OK. Install mock up head with no head gasket and note contact with piston dome. Pistons will probably need machining, but will check with actual head when service completed.

2.5 hours

Replace trans front and rear seals, removing front and rear sections.

2.0 hours

Mock up piston and check for head and valve clearance. Have pistons machined at Norman Racing. Install piston and liners. Assemble cylinder head, machine 3 shims, and time cams. Fit oil pump, pan and valve cover.

8.0 hours

Install drive train, trouble shoot, rough running.

Replace worn clutch bushing.

12.0 hours

Total labor $46 \text{ hours } \times 90\$/\text{hour} = \$4140.00$

Sub labor

Service head install new guides and valves	\$822.60
Machine pistons to clear head	\$120.00
Sub labor total	\$942.60

Invoice continued

Invoice Swig59 totals

Parts

raris	
1 spark plug heli coil thread repair kit	\$12.00
1 valve spring retainer	\$16.00
1 piston liner set	\$500.00
1 fly wheel ring gear	\$60.00
Upper chain	\$70.66
Rod bearings	\$150.00
Clutch kit	\$616.40
Front and rear transmission seals	\$46.32
Engine gasket set	\$165.00
1 Bosch starter motor	\$365.00
4 intake valves	\$88.00
8 valve guides and Teflon seals	\$128.00
1 Bosch mechanical advance distributor	\$220.00
1 oil filter	\$12.80
7 quarts oil	\$21.70
3.4 pints trans oil	\$16.40
Lower timing chain	\$46.14
750 valve spring set	\$64.00
1 spark plug wire set	\$56.00
4 spark plug	\$14.40
1 clutch bell crank bushing	\$12.89
Parts total	\$2681.71

Invoice totals

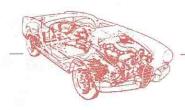
Labor	\$4140.00
Sublabor	\$942.60
Parts	\$2681.71
Tax	\$234.65
Grand total	\$7998.96

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Date _____





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1523 4th Street, Berkeley, CA, 94710-1706 phone: (510) 526-4516

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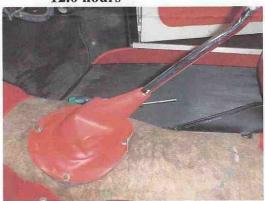
TIPO 56 Alfa Spider date 11/14/2007

Lic#: 641 YRD mi:47363

Labor Transmission Dyno Service for

Remove trans and install rebuilt gearbox from Epifani, allow Epifani to test and adjust unit as needed, remove and reinstall original unit.

12.0 hours





1956 Tunnel boot arraignment.

Trans in test position.

Total labor 12.0 hours x 90\$/hour = \$1080.00

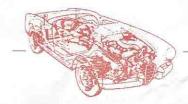
Parts

3.2 pint Dentax gear oil	\$16.00
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Invoice totals

Labor	\$1080.00
Sublabor	\$0
Parts	\$16.00
Tax	\$1.40
Total	\$1097.40
Balance due see note below	\$0

548.70 Pd



CONRAD STEVENSON Restorations

1523 4th Street, Berkeley, CA, 94710-1706 phone: (510) 526-4516

#282 -56 AG

TIPO 56 spider

Lic#: 641 YRD mi:47363

date 12/6/2007

Labor

Remove front brake drums, clean and sand shoe and drum surfaces.

Note starter motor problem. Bypass key switch and jump starter directly- problem still persists. Remove rebuilt starter and have inspected(Alternators Unlimited-a local shop, reported that it works fine). Make new battery hold down and tray, making tray fit existing holes in floor and change battery.

5.0 hours

Remove starter second time(intermittent problem), replace with Martin Lauber's Bosch starter and note that it worked every time. Take original starter to San Francisco to Rite Way where Jack Hunt probably had unit rebuilt. They too told me it was fine but I insisted on a new Solenoid which he did free of labor charge.

2.0 hours Total labor hours x 90\$/hour = \$630.00

Parts

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Battery tray materials	\$12.00
Battery swap -exchange	\$40.00
Starter solenoid	\$57.39
Parts total	\$109.39

Invoice totals

Sublabor Parts	\$0 \$109.39
Tax	\$9.57
Grand total	\$748.96

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Signed		
Cignod		Date



TOTAL GAS - OIL - GREASE

TOTAL AMOUNT

AROCC-664-3 PRINTED IN U.S.A.

with the sale of said products.

L. BUSKIRK COMPANY

ALL PARTS INSTALLED ARE NEW UNLESS SPECIFIED OTHERWISE

JACK UP REAR BAPT REMOVE

REAR AYLE-DISCONNECT BIBRAKE

HUDIBRAKE HOSE-REMOVE DISHAFT

UNDO SHOCKS AT TOPT PISCON.

LIMITING STRAPS-UNDO BALL JOINT

AT TOP OF DIFFTUNDO TRAILING

ARMS + REMOVE AYLE ASSEMBLY

REMOVE UPPER LOCATING ARM +

HAVE BUSHINGS REMOVED + REPLACED

REMOVE TRAILING ARM BUSHINGS+

PEPLACE-REPLACE PINION SEAL AT

DIFF

REINSTALL REAR MOLK - CLKAN

RKAR WHIKLS + INSPECT GREASE SEALS

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REPLACE HOUSING UNITH GOOD USED

PIECK - REMOVE BRAKES - BLEED FRONT

BRAKES + ADJUST ALL BRAKES - BLEED FRONT

BRAKES + ADJUST ALL BRAKES

CHICK SPEKEDO - REMOVE DRIVEAT TRANSMISSAL

+ REMOVE BROKEN CABLE IN DRIVE + REPLACE

SPEEDO CABLE - CHICK TIPLE PRESS 30R

REFILL TRANSMISSION OIL 4 TOV UP

DIFF - TORQUE WHIKELS

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4	DIOTS TASUS OLL		3800		EXT,
3	PIETS DIFF OIL		12:00	HOME PHONE	
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4	NOTE SPARTE PLUGS		20:00	SERVICES REQUESTED/DESCRIPTION OF WORK	AMOUNT
1	I"BORE MUSSIER CYLIN	UDFR	449.00	1) CHEDOLICIO DIL + FILZZIZ + GRESSE ALL	123
1	GT DOT 4 BASTE FLUID		1200	ZEAK FITHINGS.	
1	LIFT ARLE SEAL		14:00	2) REPOSES TRUSKS + DIFF OIL	15
1	CLUTCH PIN.	I.	500	3) IUSTSUS A NEW BATTERY,	1,00
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all the			AUTHORIZED BY IN PERSON PHONE TOTAL SUBLET		
Cra				DATE TIME CALLED BY PHONE GAS, OIL AND GREASE	714-14
I hereby authorize the above repair work to be done along with the necessary materials. You and your		s You and your	REVISED ESTIMATE / ADDITIONAL WORK EPA / WASTE DISPOSAL	1000	
employees may operate vehicle for purposes of testing, inspection, or delivery at my risk. An express mechanics lien is acknowledged on above vehicle to secure the amount of repairs thereto. It is understood		risk. An express	PARTS LABOR TOTAL		
that yo	u will not be held responsible for loss or damage to vehicle or an any other cause beyond your control.	ticles left in vehic	e in case of fire,	AUTHORIZED BY IN PHONE TAX	72.51
SIGNATUR		SAVE OLD PAI	RTS	DATE TIME CALLED BY PHONE TOTAL	01001

5584 To Order by State: 6584C (CT), 6584E (MD)

PRODUCT 6584 To Order by State: 6584C (CT), 6584E (MD)

Order by State: 6584C (CT), 6584E