

2023GT
ENGINE

Morgan's



The Original Speed Shop

MORGAN'S RACING ENGINES



1285 Parkside Dr. Walnut Creek, CA 94596

Phone (925) 939-7346 Fax (925) 939-6353

Morgan's ALL PRO

AUTO PARTS & PERFORMANCE



Parts Pro

1285 Parkside Dr. * Walnut Creek, CA 94596
HOURS: MON-FRI 8-6, SAT 8-5



Date: 7.21.18

P.O. #: _____ Name: _____

JOB #023

925-939-7346

Inspect
BLOCK
CRANK
RODS
PISTON

Ord. Rec. Amt. Make: FERRARI
year: 1960'S

Model: _____
Eng. Size: 250 V-12 010534

Parts	List	Net	Special Price	Labor
Gaskets				<input type="checkbox"/> CLEAN & PREP BLOCK
Paint Color				<input type="checkbox"/> Boil <input type="checkbox"/> Jet Tank
Sealer				<input type="checkbox"/> Wire Brush <input type="checkbox"/> Acid Dip
Lubes				<input type="checkbox"/> Remove Rust
Pistons				<input type="checkbox"/> Clean & Prep For
<input type="checkbox"/> Pins <input type="checkbox"/> Pin Bushings				<input type="checkbox"/> TEST & INSPECT BLOCK
Rings				<input type="checkbox"/> Pressure Test PSI.
Main Brg.				<input type="checkbox"/> Magnaflux Block
Rod Brg.				<input type="checkbox"/> Visual Inspect for Cracks
Cam Brg.				<input type="checkbox"/> DEBURE & TAP BLOCK
Cam Shaft				<input type="checkbox"/> Debure Block
Lifters				<input type="checkbox"/> Retap <input type="checkbox"/> Head <input type="checkbox"/> Main-Bolt Holes
Timing Chain				<input type="checkbox"/> Chamfer <input type="checkbox"/> Cyl <input type="checkbox"/> Bolt Holes
Cam Gear				<input type="checkbox"/> Radius & Shot Peen Main Caps
Crank Gear				<input type="checkbox"/> Paint Inside Top of Block
Oil Pump <input type="checkbox"/> H.D. <input type="checkbox"/> H.P. <input type="checkbox"/> H.V.				<input type="checkbox"/> MACHINE BLOCK
Oil Pump Drive <input type="checkbox"/> H.D. <input type="checkbox"/> H.P.				<input type="checkbox"/> Align Hone Mains LBS
Oil Pump Screen				<input type="checkbox"/> Deck Block
Oil Pan				<input type="checkbox"/> Machine Block for Cam Thrust
Rod Bolts <input type="checkbox"/> Moly <input type="checkbox"/> SPS				<input type="checkbox"/> Bore Block
Rod Nuts				<input type="checkbox"/> Power Hone
Main Bolts <input type="checkbox"/> Std. <input type="checkbox"/> Tower				<input type="checkbox"/> SPL. Finish
Head Bolts				<input type="checkbox"/> Torque Plate LBS
Head Bolt Washers				<input type="checkbox"/> Modify Oil System
Main Studs <input type="checkbox"/> Std. <input type="checkbox"/> Tower				<input type="checkbox"/> Install Cam Bearings & Fit
Head Studs				<input checked="" type="checkbox"/> Install Freeze & Oil Plugs
Oil Pump Stud				<i>Remove 1.0 Rear</i> <input type="checkbox"/> CRANK WORK
Dist. Drive Bushing				<input type="checkbox"/> Boil <input type="checkbox"/> Jet Tank
Cam Thrust Plate				<input type="checkbox"/> Debure <input type="checkbox"/> Glass Peen <input type="checkbox"/> Shot Peen
Freeze Plugs <input type="checkbox"/> Steel <input type="checkbox"/> Brass				<input type="checkbox"/> Magnaflux Crank
Oil Plugs				<input type="checkbox"/> Chamfer Oil Holes <input type="checkbox"/> Rods <input type="checkbox"/> Mains
Cam Plug				<input type="checkbox"/> Align Crank <input type="checkbox"/> Micro Finish
Block Dowels				<input type="checkbox"/> Turn Crank Mains Rods
Oil Restrictors				<input type="checkbox"/> Index Turn <input type="checkbox"/> Radius Turn
				<input type="checkbox"/> Polish <input type="checkbox"/> Snout <input type="checkbox"/> Seal <input type="checkbox"/> Thrust
				<input type="checkbox"/> Balance Assemble <input type="checkbox"/> Comp. Less
				<input type="checkbox"/> R&R Pilot Bushing <input type="checkbox"/> Keys
				<input type="checkbox"/> ROD WORK

Labor

ASSEMBLE

<input type="checkbox"/> Short <input type="checkbox"/> Long Block				<input type="checkbox"/> Magnaflux Rods <input type="checkbox"/> Mag Bolts
<input type="checkbox"/> Set Up Oil Pump				<input type="checkbox"/> Polish <input type="checkbox"/> Glas Peen <input type="checkbox"/> Shot Peen
<input type="checkbox"/> Set <input type="checkbox"/> Check Ring But Gap				<input type="checkbox"/> Recondition <input type="checkbox"/> Side CL.
<input type="checkbox"/> Set Deck				<input type="checkbox"/> Bore & Bush <input type="checkbox"/> Set CC. <input type="checkbox"/> Drill Oil Hole
<input type="checkbox"/> Deg. In Cam				<input type="checkbox"/> Install Bushing <input type="checkbox"/> Rollin Bushing
<input type="checkbox"/> Check P/V CL. <input type="checkbox"/> Int. <input type="checkbox"/> Ex.				<input type="checkbox"/> Fit Pins <input type="checkbox"/> Align Rods
<input type="checkbox"/> Paint Inside Top of Block				<input type="checkbox"/> PISTON WORK
<input type="checkbox"/> Paint <input type="checkbox"/> Short <input type="checkbox"/> Long Block				<input type="checkbox"/> Mike & Check Size
<i>Disassemble Rods & Hstons</i> X	PART			<input type="checkbox"/> Fly Cut <input type="checkbox"/> Radius & Satin Finish
<i>Remove Misc Block Studs</i> X	LABOR		39000	<input type="checkbox"/> Mach. Dome <input type="checkbox"/> Set Pin/Deck
<i>Valley, Front, Rear, of Block</i> X	SUBTOTAL			<input type="checkbox"/> Mach. Oil Grooves
<i>Remove All Pins Oil & Hstons</i> X	TAX			<input type="checkbox"/> Clean <input type="checkbox"/> Bring to Size
<i>Drivels Restrictors, Small Parts</i> X	TOTAL		39000	<input type="checkbox"/> DISASSEMBLE & INSPECT
<i>8 Deck Drivels</i> X				<input type="checkbox"/> DISASSEMBLE <input type="checkbox"/> SHORT <input type="checkbox"/> LONG
				<input type="checkbox"/> DISASSEMBLE <input type="checkbox"/> COMP. <input type="checkbox"/> W/ACC.
				<input checked="" type="checkbox"/> Inspect & Check Out All Parts

Block, Crank, Rods, Hstons X

Morgan's ALL PRO



Parts Pro



AUTO PARTS & PERFORMANCE

1285 Parkside Dr. * Walnut Creek, CA 94596
HOURS: MON-FRI 8-6, SAT 8-5

Date: 7-21-88

P.O. #: _____ Name: _____

JOB #023

Ord. Rec. Amt. Make: FERRARI
year: 1960S

Model: _____
Eng. Size: 250 V-12

925-939-7346

Clean BLOCK
CRANK
RODS
PISTON

Parts	List	Net	Special Price	Labor
Gaskets				<input type="checkbox"/> CLEAN & PREP BLOCK
Paint Color				<input checked="" type="checkbox"/> Boil Soak <input type="checkbox"/> Jet Tank
Sealer				<input checked="" type="checkbox"/> Wire Brush <input type="checkbox"/> Acid Dip <i>Etch</i>
Lubes				<input checked="" type="checkbox"/> Remove Rust <i>Paint & Zinc Chromate</i>
Pistons				<input checked="" type="checkbox"/> Clean & Prep-For <i>Add to wheel</i>
<input type="checkbox"/> Pins <input type="checkbox"/> Pin Bushings				<input type="checkbox"/> TEST & INSPECT BLOCK
Rings				<input type="checkbox"/> Pressure Test PSI.
Main Brg.				<input type="checkbox"/> Magnaflux Block
Rod Brg.				<input checked="" type="checkbox"/> Visual Inspect for Cracks <i>OK</i>
Cam Brg.				<input type="checkbox"/> DEBURE & TAP BLOCK
Cam Shaft				<input type="checkbox"/> Debure Block
Lifters				<input type="checkbox"/> Retap <input type="checkbox"/> Head <input type="checkbox"/> Main-Bolt Holes
Timing Chain				<input type="checkbox"/> Chamfer <input type="checkbox"/> Cyl <input type="checkbox"/> Bolt Holes
Cam Gear				<input type="checkbox"/> Radius & Shot Peen Main Caps
Crank Gear				<input type="checkbox"/> Paint Inside Top of Block
Oil Pump <input type="checkbox"/> H.D. <input type="checkbox"/> H.P. <input type="checkbox"/> H.V.				<input type="checkbox"/> Align Hone Mains <input type="checkbox"/> MACHINE BLOCK
Oil Pump Drive <input type="checkbox"/> H.D. <input type="checkbox"/> H.P.				<input type="checkbox"/> Deck Block
Oil Pump Screen				<input type="checkbox"/> Machine Block for Cam Thrust
Oil Pan				<input type="checkbox"/> Bore Block
Rod Bolts <input type="checkbox"/> Moly <input type="checkbox"/> SPS				<input type="checkbox"/> Power Hone
Rod Nuts				<input type="checkbox"/> SPL. Finish
Main Bolts <input type="checkbox"/> Std. <input type="checkbox"/> Tower				<input type="checkbox"/> Torque Plate LBS
Head Bolts				<input type="checkbox"/> Modify Oil System
Head Bolt Washers				<input type="checkbox"/> Install Cam Bearings & Fit
Main Studs <input type="checkbox"/> Std. <input type="checkbox"/> Tower				<input type="checkbox"/> Install Freeze & Oil Plugs
Head Studs				<input type="checkbox"/> CRANK WORK
Oil Pump Stud				<input type="checkbox"/> Boil <input type="checkbox"/> Jet Tank
Dist. Drive Bushing				<input type="checkbox"/> Debure <input type="checkbox"/> Glass Peen <input type="checkbox"/> Shot Peen
Cam Thrust Plate				<input type="checkbox"/> Magnaflux Crank
Freeze Plugs <input type="checkbox"/> Steel <input type="checkbox"/> Brass				<input type="checkbox"/> Chamfer Oil Holes <input type="checkbox"/> Rods <input type="checkbox"/> Mains
6 Oil Plugs <i>Acid Etch</i> 8.00 48.00				<input type="checkbox"/> Align Crank <input type="checkbox"/> Micro Finish
2 Cam Plug <i>B-D</i> 5.00 10.00				<input type="checkbox"/> Turn Crank Mains Rods
4 Block Dowels <i>CRC</i> 4.00 16.00				<input type="checkbox"/> Index Turn <input type="checkbox"/> Radius Turn
2 Oil Restrictors <i>Epoxy Remover</i> 12.00 24.00				<input type="checkbox"/> Polish <input type="checkbox"/> Snout <input type="checkbox"/> Seal <input type="checkbox"/> Thrust
6 1/4 3H Pins 4.00 24.00				<input type="checkbox"/> Balance Assemble <input type="checkbox"/> Comp. Less
				<input type="checkbox"/> R&R Pilot Bushing <input type="checkbox"/> Keys
				<input type="checkbox"/> ROD WORK
				<input type="checkbox"/> Magnaflux Rods <input type="checkbox"/> Mag Bolts
				<input type="checkbox"/> Polish <input type="checkbox"/> Glas Peen <input type="checkbox"/> Shot Peen
				<input type="checkbox"/> Recondition <input type="checkbox"/> Side CL.
				<input type="checkbox"/> Bore & Bush <input type="checkbox"/> Set CC. <input type="checkbox"/> Drill Oil Hole
				<input type="checkbox"/> Install Bushing <input type="checkbox"/> Rollin Bushing
				<input type="checkbox"/> Fit Pins <input type="checkbox"/> Align Rods
				<input type="checkbox"/> PISTON WORK
				<input type="checkbox"/> Mike & Check Size
				<input type="checkbox"/> Fly Cut <input type="checkbox"/> Radius & Satin Finish
				<input type="checkbox"/> Mach. Dome <input type="checkbox"/> Set Pin/Deck
				<input type="checkbox"/> Mach. Oil Grooves
				<input type="checkbox"/> Clean <input type="checkbox"/> Bring to Size
				<input type="checkbox"/> DISASSEMBLE & INSPECT
				<input type="checkbox"/> DISASSEMBLE <input type="checkbox"/> SHORT <input type="checkbox"/> LONG
				<input type="checkbox"/> DISASSEMBLE <input type="checkbox"/> COMP. <input type="checkbox"/> W/ACC.
				<input type="checkbox"/> Inspect & Check Out All Parts
Labor Haz Mat Waste 24.00				
<input type="checkbox"/> ASSEMBLE				
<input type="checkbox"/> Short <input type="checkbox"/> Long Block				
<input type="checkbox"/> Set Up Oil Pump				
<input type="checkbox"/> Set <input type="checkbox"/> Check Ring But Gap				
<input type="checkbox"/> Set Deck				
<input checked="" type="checkbox"/> Deg. in Cam <i>clean-Remove Acid Etch</i>				
<input type="checkbox"/> Check P/V CL. <input type="checkbox"/> Int. <input type="checkbox"/> Ex.				
<input type="checkbox"/> Paint Inside Top of Block				
<input type="checkbox"/> Paint <input type="checkbox"/> Short <input type="checkbox"/> Long Block				
<i>Clean</i>				
<i>6 Rod Main Caps</i>				
<i>1 Bol Housing Main Cap</i>				
<i>2 Acid Spray Cone Spots</i>				
	PART		146.00	
	LABOR		840.00	
	SUBTOTAL		986.00	
	TAX		12.05	
	TOTAL		998.05	

Morgan's ALL PRO



Parts Pro



AUTO PARTS & PERFORMANCE

1285 Parkside Dr. * Walnut Creek, CA 94596
HOURS: MON-FRI 8-6, SAT 8-5

Date: 7-21-18

P.O. #: _____ Name: _____

503 #023

925-939-7346

Ord. Rec. Amt. Make: FERRARI
year: 1960'S

Model: _____
Eng. Size: 250

V-12 010533

BLOCK
CRANK
RODS
PISTON

Parts	List	Net	Special Price	Labor
Gaskets				<input type="checkbox"/> CLEAN & PREP BLOCK
Paint Color				<input type="checkbox"/> Boil <input type="checkbox"/> Jet Tank
Sealer				<input type="checkbox"/> Wire Brush <input type="checkbox"/> Acid Dip
Lubes				<input type="checkbox"/> Remove Rust
Pistons				<input type="checkbox"/> Clean & Prep For
<input type="checkbox"/> Pins <input type="checkbox"/> Pin Bushings				<input type="checkbox"/> TEST & INSPECT BLOCK
Rings				<input type="checkbox"/> Pressure Test PSI.
Main Brg.				<input type="checkbox"/> Magnaflux Block
Rod Brg.				<input type="checkbox"/> Visual Inspect for Cracks
Cam Brg.				<input type="checkbox"/> DEBURE & TAP BLOCK
Cam Shaft				<input type="checkbox"/> Debure Block
Lifters				<input type="checkbox"/> Retap <input type="checkbox"/> Head <input type="checkbox"/> Main-Bolt Holes
Timing Chain				<input type="checkbox"/> Chamfer <input type="checkbox"/> Cyl <input type="checkbox"/> Bolt Holes
Cam Gear				<input type="checkbox"/> Radius & Shot Peen Main Caps
Crank Gear				<input type="checkbox"/> Paint Inside Top of Block
Oil Pump <input type="checkbox"/> H.D. <input type="checkbox"/> H.P. <input type="checkbox"/> H.V.				<input type="checkbox"/> MACHINE BLOCK
Oil Pump Drive <input type="checkbox"/> H.D. <input type="checkbox"/> H.P.				<input type="checkbox"/> Align Hone Mains LBS
Oil Pump Screen				<input type="checkbox"/> Deck Block
Oil Pan				<input type="checkbox"/> Machine Block for Cam Thrust
Rod Bolts <input type="checkbox"/> Moly <input type="checkbox"/> SPS				<input type="checkbox"/> Bore Block
Rod Nuts				<input type="checkbox"/> Power Hone
Main Bolts <input type="checkbox"/> Std. <input type="checkbox"/> Tower				<input type="checkbox"/> SPL. Finish
Head Bolts				<input type="checkbox"/> Torque Plate LBS
Head Bolt Washers				<input type="checkbox"/> Modify Oil System
Main Studs <input type="checkbox"/> Std. <input type="checkbox"/> Tower				<input type="checkbox"/> Install Cam Bearings & Fit
Head Studs				<input type="checkbox"/> Install Freeze & Oil Plugs
Oil Pump Stud				<input type="checkbox"/> CRANK WORK
Dist. Drive Bushing				<input type="checkbox"/> Boil <input type="checkbox"/> Jet Tank
Cam Thrust Plate				<input type="checkbox"/> Debure <input type="checkbox"/> Glass Peen <input type="checkbox"/> Shot Peen
Freeze Plugs <input type="checkbox"/> Steel <input type="checkbox"/> Brass				<input type="checkbox"/> Magnaflux Crank
Oil Plugs				<input type="checkbox"/> Chamfer Oil Holes <input type="checkbox"/> Rods <input type="checkbox"/> Mains
Cam Plug				<input type="checkbox"/> Align Crank <input type="checkbox"/> Micro Finish
Block Dowels				<input type="checkbox"/> Turn Crank Mains Rods
Oil Restrictors				<input type="checkbox"/> Index Turn <input type="checkbox"/> Radius Turn
				<input type="checkbox"/> Polish <input type="checkbox"/> Snout <input type="checkbox"/> Seal <input type="checkbox"/> Thrust
				<input type="checkbox"/> Balance Assemble <input type="checkbox"/> Comp. Less
				<input type="checkbox"/> R&R Pilot Bushing <input type="checkbox"/> Keys
				<input type="checkbox"/> ROD WORK
				<input type="checkbox"/> Magnaflux Rods <input type="checkbox"/> Mag Bolts
				<input type="checkbox"/> Polish <input type="checkbox"/> Glas Peen <input type="checkbox"/> Shot Peen
				<input type="checkbox"/> Recondition <input type="checkbox"/> Side CL.
				<input type="checkbox"/> Bore & Bush <input type="checkbox"/> Set CC. <input type="checkbox"/> Drill Oil Hole
				<input type="checkbox"/> Install Bushing <input type="checkbox"/> Rollin Bushing
				<input type="checkbox"/> Fit Pins <input type="checkbox"/> Align Rods
				<input type="checkbox"/> PISTON WORK
				<input type="checkbox"/> Mike & Check Size
				<input type="checkbox"/> Fly Cut <input type="checkbox"/> Radius & Satin Finish
				<input type="checkbox"/> Mach. Dome <input type="checkbox"/> Set Pin/Deck
				<input type="checkbox"/> Mach. Oil Grooves
				<input type="checkbox"/> Clean <input type="checkbox"/> Bring to Size
				<input type="checkbox"/> DISASSEMBLE & INSPECT
				<input type="checkbox"/> DISASSEMBLE <input type="checkbox"/> SHORT <input type="checkbox"/> LONG
				<input type="checkbox"/> DISASSEMBLE <input type="checkbox"/> COMP. <input type="checkbox"/> W/ACC.
				<input type="checkbox"/> Inspect & Check Out All Parts
Labor				
<input type="checkbox"/> ASSEMBLE				
<input type="checkbox"/> Short <input type="checkbox"/> Long Block				
<input type="checkbox"/> Set Up Oil Pump				
<input type="checkbox"/> Set <input type="checkbox"/> Check Ring But Gap				
<input type="checkbox"/> Set Deck				
<input type="checkbox"/> Deg. In Cam				
<input type="checkbox"/> Check P/V CL. <input type="checkbox"/> Int. <input type="checkbox"/> Ex.				
<input type="checkbox"/> Paint Inside Top of Block				
<input type="checkbox"/> Paint <input type="checkbox"/> Short <input type="checkbox"/> Long Block				
	PART			
	LABOR			
	SUBTOTAL			
	TAX			
	TOTAL			

234 Hours Labor @ 160 per Hr
 330°
 330°
 330°

Labor
 Steam water jackets
 Use high pressure Blow
 Blow out again

330°

Morgan's ALL PRO



Parts Pro



AUTO PARTS & PERFORMANCE

1285 Parkside Dr. * Walnut Creek, CA 94596
HOURS: MON-FRI 8-6, SAT 8-5

Date: 7-21-18

P.O. #: _____ Name: _____

JOB #023

925-939-7346

BLOCK
CRANK
RODS
PISTON

Ord. Rec. Amt. Make: FERRARI
year: 1960'S

Model: _____
Eng. Size: 250 V-12 010535

Parts	List	Net	Special Price	Labor
Gaskets				<input type="checkbox"/> CLEAN & PREP BLOCK
Paint Color				<input type="checkbox"/> Boil <input type="checkbox"/> Jet Tank
Sealer				<input type="checkbox"/> Wire Brush <input type="checkbox"/> Acid Dip
Lubes				<input type="checkbox"/> Remove Rust
Pistons				<input type="checkbox"/> Clean & Prep For
<input type="checkbox"/> Pins <input type="checkbox"/> Pin Bushings				<input type="checkbox"/> TEST & INSPECT BLOCK
Rings				<input type="checkbox"/> Pressure Test PSI.
Main Brg.				<input type="checkbox"/> Magnaflux Block
Rod Brg.				<input type="checkbox"/> Visual Inspect for Cracks
Cam Brg.				<input type="checkbox"/> DEBURE & TAP BLOCK
Cam Shaft				<input type="checkbox"/> Debure Block
Lifters				<input type="checkbox"/> Retap <input type="checkbox"/> Head <input type="checkbox"/> Main-Bolt Holes
Timing Chain				<input type="checkbox"/> Chamfer <input type="checkbox"/> Cyl <input type="checkbox"/> Bolt Holes
Cam Gear				<input type="checkbox"/> Radius & Shot Peen Main Caps
Crank Gear				<input type="checkbox"/> Paint Inside Top of Block
Oil Pump <input type="checkbox"/> H.D. <input type="checkbox"/> H.P. <input type="checkbox"/> H.V.				<input type="checkbox"/> MACHINE BLOCK
Oil Pump Drive <input type="checkbox"/> H.D. <input type="checkbox"/> H.P.				<input type="checkbox"/> Align Hone Mains 48/14 LBS
Oil Pump Screen				<input type="checkbox"/> Deck Block
Oil Pan				<input type="checkbox"/> Machine Block for Cam Thrust
Rod Bolts <input type="checkbox"/> Moly <input type="checkbox"/> SPS				<input type="checkbox"/> Bore Block 3 set ups
Rod Nuts				<input type="checkbox"/> Power Hone Setting Bearings
Main Bolts <input type="checkbox"/> Std. <input type="checkbox"/> Tower				<input type="checkbox"/> SPL. Finish LBS
Head Bolts				<input type="checkbox"/> Torque Plate
Head Bolt Washers				<input type="checkbox"/> Modify Oil System
Main Studs <input type="checkbox"/> Std. <input type="checkbox"/> Tower				<input type="checkbox"/> Install Cam Bearings & Fit
Head Studs				<input type="checkbox"/> Install Freeze & Oil Plugs
Oil Pump Stud				<input type="checkbox"/> CRANK WORK
Dist. Drive Bushing				<input type="checkbox"/> Boil <input type="checkbox"/> Jet Tank
Cam Thrust Plate				<input type="checkbox"/> Debure <input type="checkbox"/> Glass Peen <input type="checkbox"/> Shot Peen
Freeze Plugs <input type="checkbox"/> Steel <input type="checkbox"/> Brass				<input type="checkbox"/> Magnaflux Crank
Oil Plugs				<input type="checkbox"/> Chamfer Oil Holes <input type="checkbox"/> Rods <input type="checkbox"/> Mains
Cam Plug				<input type="checkbox"/> Align Crank <input type="checkbox"/> Micro Finish
Block Dowels				<input type="checkbox"/> Turn Crank Mains Rods
Oil Restrictors				<input type="checkbox"/> Index Turn <input type="checkbox"/> Radius Turn
				<input type="checkbox"/> Polish <input type="checkbox"/> Snout <input type="checkbox"/> Seal <input type="checkbox"/> Thrust
				<input type="checkbox"/> Balance Assemble <input type="checkbox"/> Comp. Less
				<input type="checkbox"/> R&R Pilot Bushing <input type="checkbox"/> Keys
				<input type="checkbox"/> ROD WORK
				<input type="checkbox"/> Magnaflux Rods <input type="checkbox"/> Mag Bolts
				<input type="checkbox"/> Polish <input type="checkbox"/> Glas Peen <input type="checkbox"/> Shot Peen
				<input type="checkbox"/> Recondition <input type="checkbox"/> Side CL.
				<input type="checkbox"/> Bore & Bush <input type="checkbox"/> Set CC. <input type="checkbox"/> Drill Oil Hole
				<input type="checkbox"/> Install Bushing <input type="checkbox"/> Rollin Bushing
				<input type="checkbox"/> Fit Pins <input type="checkbox"/> Align Rods
				<input type="checkbox"/> PISTON WORK
				<input type="checkbox"/> Mike & Check Size
				<input type="checkbox"/> Fly Cut <input type="checkbox"/> Radius & Satin Finish
				<input type="checkbox"/> Mach. Dome <input type="checkbox"/> Set Pin/Deck
				<input type="checkbox"/> Mach. Oil Grooves
				<input type="checkbox"/> Clean <input type="checkbox"/> Bring to Size
				<input type="checkbox"/> DISASSEMBLE & INSPECT
				<input type="checkbox"/> DISASSEMBLE <input type="checkbox"/> SHORT <input type="checkbox"/> LONG
				<input type="checkbox"/> DISASSEMBLE <input type="checkbox"/> COMP. <input type="checkbox"/> W/ACC.
				<input type="checkbox"/> Inspect & Check Out All Parts
				Machine rear seal fm Org
				cock & new Aagen

Ques

Spent 9 hours

Used 8 hours labor @ 90.00/hr

Machine large Bellhousing
Bear main cap #7 Flycut
Final Clean other Tag

960.00
960.00

X

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AUTO PARTS & PERFORMANCE

1285 Parkside Dr. * Walnut Creek, CA 94596
HOURS: MON-FRI 8-6, SAT 8-5

Date: 7-21-18

P.O. #: _____ Name: _____

Job #023

925-939-7346

Deck
BLOCK
CRANK
RODS
PISTON

Ord. Rec. Amt. Make: FERRARI year: 1960'S

Model: Eng. Size: 250 V-12 010536

Parts	List	Net	Special Price	Labor
Gaskets				<input type="checkbox"/> CLEAN & PREP BLOCK
Paint Color				<input type="checkbox"/> Boil <input type="checkbox"/> Jet Tank
Sealer				<input type="checkbox"/> Wire Brush <input type="checkbox"/> Acid Dip
Lubes				<input type="checkbox"/> Remove Rust
Pistons				<input type="checkbox"/> Clean & Prep For
<input type="checkbox"/> Pins <input type="checkbox"/> Pin Bushings				<input type="checkbox"/> TEST & INSPECT BLOCK
Rings				<input type="checkbox"/> Pressure Test PSI.
Main Brg.				<input type="checkbox"/> Magnaflux Block
Rod Brg.				<input type="checkbox"/> Visual Inspect for Cracks
Cam Brg.				<input type="checkbox"/> DEBURE & TAP BLOCK
Cam Shaft				<input type="checkbox"/> Debure Block
Lifters				<input type="checkbox"/> Retap <input type="checkbox"/> Head <input type="checkbox"/> Main-Bolt Holes
Timing Chain				<input type="checkbox"/> Chamfer <input type="checkbox"/> Cyl <input type="checkbox"/> Bolt Holes
Cam Gear				<input type="checkbox"/> Radius & Shot Peen Main Caps
Crank Gear				<input type="checkbox"/> Paint Inside Top of Block
Oil Pump <input type="checkbox"/> H.D. <input type="checkbox"/> H.P. <input type="checkbox"/> H.V.				<input type="checkbox"/> MACHINE BLOCK
Oil Pump Drive <input type="checkbox"/> H.D. <input type="checkbox"/> H.P.				<input type="checkbox"/> Align Hone Mains LBS
Oil Pump Screen				<input type="checkbox"/> Deck Block .007
Oil Pan				<input type="checkbox"/> Machine Block for Cam Thrust
Rod Bolts <input type="checkbox"/> Moly <input type="checkbox"/> SPS				<input type="checkbox"/> Bore Block
Rod Nuts				<input type="checkbox"/> Power Hone
Main Bolts <input type="checkbox"/> Std. <input type="checkbox"/> Tower				<input type="checkbox"/> SPL. Finish
Head Bolts				<input type="checkbox"/> Torque Plate LBS
Head Bolt Washers				<input type="checkbox"/> Modify Oil System
Main Studs <input type="checkbox"/> Std. <input type="checkbox"/> Tower				<input type="checkbox"/> Install Cam Bearings & Fit
Head Studs				<input type="checkbox"/> Install Freeze & Oil Plugs
Oil Pump Stud				<input type="checkbox"/> CRANK WORK
Dist. Drive Bushing				<input type="checkbox"/> Boil <input type="checkbox"/> Jet Tank
Cam Thrust Plate				<input type="checkbox"/> Debure <input type="checkbox"/> Glass Peen <input type="checkbox"/> Shot Peen
Freeze Plugs <input type="checkbox"/> Steel <input type="checkbox"/> Brass				<input type="checkbox"/> Magnaflux Crank
Oil Plugs				<input type="checkbox"/> Chamfer Oil Holes <input type="checkbox"/> Rods <input type="checkbox"/> Mains
Cam Plug				<input type="checkbox"/> Align Crank <input type="checkbox"/> Micro Finish
Block Dowels				<input type="checkbox"/> Turn Crank Mains Rods
Oil Restrictors				<input type="checkbox"/> Index Turn <input type="checkbox"/> Radius Turn
Face off mic sleeve				<input type="checkbox"/> Polish <input type="checkbox"/> Snout <input type="checkbox"/> Seal <input type="checkbox"/> Thrust
Need Deck				<input type="checkbox"/> Balance Assemble <input type="checkbox"/> Comp. Less
Lots of problems				<input type="checkbox"/> R&R Pilot Bushing <input type="checkbox"/> Keys
				<input type="checkbox"/> ROD WORK
				<input type="checkbox"/> Magnaflux Rods <input type="checkbox"/> Mag Bolts
				<input type="checkbox"/> Polish <input type="checkbox"/> Glas Peen <input type="checkbox"/> Shot Peen
				<input type="checkbox"/> Recondition <input type="checkbox"/> Side CL.
				<input type="checkbox"/> Bore & Bush <input type="checkbox"/> Set CC. <input type="checkbox"/> Drill Oil Hole
				<input type="checkbox"/> Install Bushing <input type="checkbox"/> Rollin Bushing
				<input type="checkbox"/> Fit Pins <input type="checkbox"/> Align Rods
				<input type="checkbox"/> PISTON WORK
				<input type="checkbox"/> Mike & Check Size
				<input type="checkbox"/> Fly Cut <input type="checkbox"/> Radius & Satin Finish
				<input type="checkbox"/> Mach. Dome <input type="checkbox"/> Set Pin/Deck
				<input type="checkbox"/> Mach. Oil Grooves
				<input type="checkbox"/> Clean <input type="checkbox"/> Bring to Size
				<input type="checkbox"/> DISASSEMBLE & INSPECT
				<input type="checkbox"/> DISASSEMBLE <input type="checkbox"/> SHORT <input type="checkbox"/> LONG
				<input type="checkbox"/> DISASSEMBLE <input type="checkbox"/> COMP. <input type="checkbox"/> W/ACC.
				<input type="checkbox"/> Inspect & Check Out All Parts

80% labor

Blue Print System

Part

labor

check out deck
Face off mic sleeve
Need Deck
Lots of problems

ASSEMBLE

PART

LABOR

SUBTOTAL

TAX

TOTAL

990.00

990.00

- Short Long Block
- Set Up Oil Pump
- Set Check Ring But Gap
- Set Deck

- Deg. In Cam
- Check P/V CL. Int. Ex.
- Paint Inside Top of Block
- Paint Short Long Block

R&R Dowels (8) X

Remove rings on O.D. of sleeves X

Morgan's ALL PRO



Parts Pro



AUTO PARTS & PERFORMANCE

1285 Parkside Dr. * Walnut Creek, CA 94596
HOURS: MON-FRI 8-6, SAT 8-5

925-939-7346

Date: 7-21-18

P.O. #: _____ Name: _____

JOB #023

Ord. Rec. Amt. Make: FERRARI
year: 1960'S

Model: _____
Eng. Size: 250 V-12

010537 Head Studs GEN. SHOP

Parts	List	Net	Special Price	Labor
Gaskets				<input type="checkbox"/> CLEAN & PREP
Paint Color				<input type="checkbox"/> Boil <input type="checkbox"/> Jet Tank
Sealer				<input type="checkbox"/> Glass Peen <input type="checkbox"/> Shot Peen
Lubes				<input type="checkbox"/> Wire Brush <input type="checkbox"/> Acid Dip
				<input type="checkbox"/> Tumble <input type="checkbox"/> Remove Rust
				<input type="checkbox"/> Clean & Prep For
Clutch Cover - Pressure Plate				<input type="checkbox"/> TEST & INSPECT
Disk				<input type="checkbox"/> Magnaflux
Throw Out Bearing				<input type="checkbox"/> Visual Inspect for Cracks
Pilot Bearing				<input type="checkbox"/> FLYWHEEL SURFACING
Flywheel Bolts				<input type="checkbox"/> Remove Pilot Bearing
Clutch Bolts				<input type="checkbox"/> Flat
Ring Gear				<input type="checkbox"/> Step
Brake Shoes				<input type="checkbox"/> Dial
Brake Pads				<input type="checkbox"/> R & R <input type="checkbox"/> Pins <input type="checkbox"/> Drill Out
Brake Inst. Kit				<input type="checkbox"/> R & R Timing Markers
				<input type="checkbox"/> Hold From O.D. Type
				<input type="checkbox"/> Truck Type
				<input type="checkbox"/> Large Truck Type
				<input type="checkbox"/> Damper Type
				<input type="checkbox"/> R & R Ring Gear
Balancer Sleeve				<input type="checkbox"/> other Tag of need surface
Face off mic Sleeve Height				<input type="checkbox"/> BRAKE WORK
Set Sleeves				<input type="checkbox"/> Turn Brake Drums
check out Head Studs				<input type="checkbox"/> other Tag ok
Need to Remove for Deck Surface				<input type="checkbox"/> Turn Brake Rotors
will need new				<input type="checkbox"/> SURFACING
				<input type="checkbox"/> Surf. - Milling Mach.
				<input type="checkbox"/> Surf. - Grinding
				<input type="checkbox"/> Surf. - Surfacing
				<input type="checkbox"/> INT. MANIFOLD
				<input type="checkbox"/> Boil & Peen
				<input type="checkbox"/> R & R Tin Plate
				<input type="checkbox"/> SHOP TIME
				<input type="checkbox"/> Check & Align Push Rods
				<input type="checkbox"/> Check Rockers <input type="checkbox"/> Rocker Studs
				<input type="checkbox"/> Deg. In T.D.C. - Marker
				<input type="checkbox"/> Install Balancer Sleeve
				<input type="checkbox"/> Hone & Fit Balancer
				<input type="checkbox"/> Set Oil Pump Screen
				<input type="checkbox"/> Install Tin Parts On long Block
				<input type="checkbox"/> Install Acc. On Long Block
Remove Head Studs	X	PART	1200	
Machine install 1 Helicoil	X	LABOR	1200.00	
Install Studs - 25 lbs with copper Antisize	X	SUBTOTAL	1212.00	
		TAX	.99	
		TOTAL	1212.99	

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Parts Pro



AUTO PARTS & PERFORMANCE

1285 Parkside Dr. * Walnut Creek, CA 94596
HOURS: MON-FRI 8-6, SAT 8-5

Date: 7-21-18

P.O. #: _____ Name: _____

925-939-7346

Bore BLOCK CRANK RODS PISTON

Make: FERRARI
year: 1960's

Model: _____
Eng. Size: 250 V-12 10538

Ord.	Rec.	Amt.	Parts	List	Net	Special Price	Labor	
			Gaskets				<input type="checkbox"/> CLEAN & PREP BLOCK	
			Paint Color				<input type="checkbox"/> Boil <input type="checkbox"/> Jet Tank	
			Sealer				<input type="checkbox"/> Wire Brush <input type="checkbox"/> Acid Dip	
			Lubes				<input type="checkbox"/> Remove Rust	
			Pistons				<input type="checkbox"/> Clean & Prep For	
			<input type="checkbox"/> Pins <input type="checkbox"/> Pin Bushings				<input type="checkbox"/> TEST & INSPECT BLOCK	
			Rings				<input type="checkbox"/> Pressure Test PSI.	
			Main Brg.				<input type="checkbox"/> Magnaflux Block	
			Rod Brg.				<input type="checkbox"/> Visual Inspect for Cracks	
			Cam Brg.				<input type="checkbox"/> DEBURE & TAP BLOCK	
			Cam Shaft				<input type="checkbox"/> Debure Block	
			Lifters				<input type="checkbox"/> Retap <input type="checkbox"/> Head <input type="checkbox"/> Main-Bolt Holes	
			Timing Chain				<input checked="" type="checkbox"/> Chamfer <input type="checkbox"/> Cyl <input type="checkbox"/> Bolt Holes X	
			Cam Gear				<input type="checkbox"/> Radius & Shot Peen Main Caps	
			Crank Gear				<input type="checkbox"/> Paint Inside Top of Block	
			Oil Pump <input type="checkbox"/> H.D. <input type="checkbox"/> H.P. <input type="checkbox"/> H.V.				<input type="checkbox"/> Align Hone Mains 48/14 LBS	
			Oil Pump Drive <input type="checkbox"/> H.D. <input type="checkbox"/> H.P.				<input type="checkbox"/> Deck Block X	
			Oil Pump Screen				<input type="checkbox"/> Machine Block for Cam Thrust	
			Oil Pan				<input checked="" type="checkbox"/> Bore Block Pre Bore .015 X	
			Rod Bolts <input type="checkbox"/> Moly <input type="checkbox"/> SPS				<input checked="" type="checkbox"/> Power Hone .020 X	
			Rod Nuts				<input checked="" type="checkbox"/> SPL. Finish 625 #0 2894 5/16 X	
			Main Bolts <input type="checkbox"/> Std. <input type="checkbox"/> Tower				<input checked="" type="checkbox"/> Torque Plate 60 LBS X	
			Head Bolts				<input type="checkbox"/> Modify Oil System	
			Head Bolt Washers				<input type="checkbox"/> Install Cam Bearings & Fit	
			Main Studs <input type="checkbox"/> Std. <input type="checkbox"/> Tower				<input type="checkbox"/> Install Freeze & Oil Plugs	
			Head Studs				<input type="checkbox"/> CRANK WORK	
			Oil Pump Stud				<input type="checkbox"/> Boil <input type="checkbox"/> Jet Tank	
			Dist. Drive Bushing				<input type="checkbox"/> Debure <input type="checkbox"/> Glass Peen <input type="checkbox"/> Shot Peen	
			Cam Thrust Plate				<input type="checkbox"/> Magnaflux Crank	
			Freeze Plugs <input type="checkbox"/> Steel <input type="checkbox"/> Brass				<input type="checkbox"/> Chamfer Oil Holes <input type="checkbox"/> Rods <input type="checkbox"/> Mains	
			Oil Plugs				<input type="checkbox"/> Align Crank <input type="checkbox"/> Micro Finish	
			Cam Plug				<input type="checkbox"/> Turn Crank Mains Rods	
			Block Dowels				<input type="checkbox"/> Index Turn <input type="checkbox"/> Radius Turn	
			Oil Restrictors				<input type="checkbox"/> Polish <input type="checkbox"/> Snout <input type="checkbox"/> Seal <input type="checkbox"/> Thrust	
			Pair Stone Make up			15.00	<input type="checkbox"/> Balance Assemble <input type="checkbox"/> Comp. Less	
			2 Shoe Length			21.00	<input type="checkbox"/> R&R Pilot Bushing <input type="checkbox"/> Keys	
			1/2 alignment Guide Bronze			12.00	<input type="checkbox"/> ROD WORK	
			Labor					<input type="checkbox"/> Magnaflux Rods <input type="checkbox"/> Mag Bolts
			<input type="checkbox"/> ASSEMBLE					<input type="checkbox"/> Polish <input type="checkbox"/> Glas Peen <input type="checkbox"/> Shot Peen
			<input type="checkbox"/> Short <input type="checkbox"/> Long Block					<input type="checkbox"/> Recondition <input type="checkbox"/> Side CL.
			<input type="checkbox"/> Set Up Oil Pump					<input type="checkbox"/> Bore & Bush <input type="checkbox"/> Set CC. <input type="checkbox"/> Drill Oil Hole
			<input checked="" type="checkbox"/> Set <input checked="" type="checkbox"/> Check Ring But Gap					<input type="checkbox"/> Install Bushing <input type="checkbox"/> Rollin Bushing
			<input type="checkbox"/> Set Deck .019-.021-.019					<input type="checkbox"/> Fit Pins <input checked="" type="checkbox"/> Align Rods X
			<input type="checkbox"/> Deg. In Cam					<input type="checkbox"/> Mike & Check Size X
			<input type="checkbox"/> Check P/V CL. <input type="checkbox"/> Int. <input type="checkbox"/> Ex.				48.00	<input type="checkbox"/> Fly Cut <input type="checkbox"/> Radius & Satin Finish
			<input type="checkbox"/> Paint Inside Top of Block					<input type="checkbox"/> Mach. Dome <input type="checkbox"/> Set Pin/Deck
			<input type="checkbox"/> Paint <input type="checkbox"/> Short <input type="checkbox"/> Long Block				1,740.00	<input type="checkbox"/> Mach. Oil Grooves
			Blend Sharp Edge Oil Groove X					<input checked="" type="checkbox"/> Clean Final <input type="checkbox"/> Bring to Size X
			Final Clean Pistons & Rods X				1,788.00	<input type="checkbox"/> DISASSEMBLE & INSPECT
			Final Clean Block X					<input type="checkbox"/> DISASSEMBLE <input type="checkbox"/> SHORT <input type="checkbox"/> LONG
			Final Clean all other parts X					<input type="checkbox"/> DISASSEMBLE <input type="checkbox"/> COMP. <input type="checkbox"/> W/ACC.
			Install Misc. Block Studs X					<input type="checkbox"/> Inspect & Check Out All Parts
			Valve Front and Timing Chain X					
			2 of PR block					
			TOTAL				1,791.96	

Morgan's ALL PRO



Parts Pro



AUTO PARTS & PERFORMANCE

1285 Parkside Dr. * Walnut Creek, CA 94596
 HOURS: MON-FRI 8-6, SAT 8-5

Date: 7.21.18

P.O. #: _____ Name: _____

103 #023

Ord. Rec. Amt.

Make: FERRARI
 year: 1960'S

Model:

Eng. Size: 250 V-12

925-939-7346

010533

BLOCK
 CRANK
 RODS
 PISTON

Parts	List	Net	Special Price	Labor
Gaskets				<input type="checkbox"/> CLEAN & PREP BLOCK
Paint Color				<input type="checkbox"/> Boil <input type="checkbox"/> Jet Tank
Sealer				<input type="checkbox"/> Wire Brush <input type="checkbox"/> Acid Dip
Lubes				<input type="checkbox"/> Remove Rust
Pistons				<input type="checkbox"/> Clean & Prep For
<input type="checkbox"/> Pins <input type="checkbox"/> Pin Bushings				<input type="checkbox"/> TEST & INSPECT BLOCK
Rings				<input type="checkbox"/> Pressure Test PSI.
Main Brg.				<input type="checkbox"/> Magnaflux Block
Rod Brg.				<input type="checkbox"/> Visual Inspect for Cracks
Cam Brg.				<input type="checkbox"/> DEBURE & TAP BLOCK
Cam Shaft				<input type="checkbox"/> Debure Block
Lifters				<input type="checkbox"/> Retap <input type="checkbox"/> Head <input type="checkbox"/> Main-Bolt Holes
Timing Chain				<input type="checkbox"/> Chamfer <input type="checkbox"/> Cyl <input type="checkbox"/> Bolt Holes
Cam Gear				<input type="checkbox"/> Radius & Shot Peen Main Caps
Crank Gear				<input type="checkbox"/> Paint Inside Top of Block
Oil Pump <input type="checkbox"/> H.D. <input type="checkbox"/> H.P. <input type="checkbox"/> H.V.				<input type="checkbox"/> MACHINE BLOCK
Oil Pump Drive <input type="checkbox"/> H.D. <input type="checkbox"/> H.P.				<input type="checkbox"/> Align Hone Mains LBS
Oil Pump Screen				<input type="checkbox"/> Deck Block
Oil Pan				<input type="checkbox"/> Machine Block for Cam Thrust
Rod Bolts <input type="checkbox"/> Moly <input type="checkbox"/> SPS				<input type="checkbox"/> Bore Block
Rod Nuts				<input type="checkbox"/> Power Hone
Main Bolts <input type="checkbox"/> Std. <input type="checkbox"/> Tower				<input type="checkbox"/> SPL. Finish
Head Bolts				<input type="checkbox"/> Torque Plate LBS
Head Bolt Washers				<input type="checkbox"/> Modify Oil System
Main Studs <input type="checkbox"/> Std. <input type="checkbox"/> Tower				<input type="checkbox"/> Install Cam Bearings & Fit
Head Studs				<input type="checkbox"/> Install Freeze & Oil Plugs
Oil Pump Stud				<input type="checkbox"/> CRANK WORK
Dist. Drive Bushing				<input type="checkbox"/> Boil <input type="checkbox"/> Jet Tank
Cam Thrust Plate				<input type="checkbox"/> Debure <input type="checkbox"/> Glass Peen <input type="checkbox"/> Shot Peen
Freeze Plugs <input type="checkbox"/> Steel <input type="checkbox"/> Brass				<input type="checkbox"/> Magnaflux Crank
Oil Plugs <i>Pilot Brg. Spaces Alum</i>				<input type="checkbox"/> Chamfer Oil Holes <input type="checkbox"/> Rods <input type="checkbox"/> Mains
Cam Plug			\$15.00	<input type="checkbox"/> Align Crank <input type="checkbox"/> Micro Finish
Block Dowels				<input type="checkbox"/> Turn Crank Mains Rods
Oil Restrictors				<input type="checkbox"/> Index Turn <input type="checkbox"/> Radius Turn
<i>1 Tube Hooge for Polish</i>			\$16.00	<input type="checkbox"/> Polish <input type="checkbox"/> Snout <input type="checkbox"/> Seal <input type="checkbox"/> Thrust
<i>1/2 Spl. Oil Plugs</i>			\$15.00	<input type="checkbox"/> Balance Assemble <input type="checkbox"/> Comp. Less
<i>1/2 5MM 2- 19MM Steel Allm.</i>				<input type="checkbox"/> R&R Pilot Bushing <i>Bar</i> <input type="checkbox"/> Keys <i>Alone</i>
				<input type="checkbox"/> ROD WORK
				<input type="checkbox"/> Magnaflux Rods <input type="checkbox"/> Mag Bolts

Labor

ASSEMBLE

- Short Long Block
- Set Up Oil Pump
- Set Check Ring But Gap
- Set Deck

- Deg. In Cam
- Check P/V CL. Int. Ex.
- Paint Inside Top of Block
- Paint Short Long Block

Mic Crank-check Size

R&R Spl Oil Plugs

Final Clean Crank

Mach Crank Oil Plugs

Mach Spaces for Pilot

PART 191.00
 LABOR 1200.00
 SUBTOTAL 1391.00
 TAX 15.76
 TOTAL 1406.76

- ASSEMBLE
- Recondition Side CL.
- Bore & Bush Set CC. Drill Oil Hole
- Install Bushing Rollin Bushing
- Fit Pins Align Rods
- PISTON WORK
- Mike & Check Size
- Fly Cut Radius & Satin Finish
- Mach. Dome Set Pin/Deck
- Mach. Oil Grooves
- Clean Bring to Size
- DISASSEMBLE & INSPECT
- DISASSEMBLE SHORT LONG
- DISASSEMBLE COMP. W/ACC.
- Inspect & Check Out All Parts

Morgan's ALL PRO



Parts Pro



AUTO PARTS & PERFORMANCE

1285 Parkside Dr. * Walnut Creek, CA 94596
HOURS: MON-FRI 8-6, SAT 8-5

Date: 7.21.18

P.O. #: _____ Name: _____

JOB #023

925-939-7346

BLOCK
CRANK
RODS
PISTON

Ord. Rec. Amt.

Make: FERRARI
year: 1960'S

Model:

Eng. Size: 250 V-12 10540

Parts	List	Net	Special Price	Labor
Gaskets				<input type="checkbox"/> CLEAN & PREP BLOCK
Paint Color				<input type="checkbox"/> Boil <input type="checkbox"/> Jet Tank
Sealer				<input type="checkbox"/> Wire Brush <input type="checkbox"/> Acid Dip
Lubes				<input type="checkbox"/> Remove Rust
Pistons				<input type="checkbox"/> Clean & Prep For
<input type="checkbox"/> Pins <input type="checkbox"/> Pin Bushings				<input type="checkbox"/> TEST & INSPECT BLOCK
Rings				<input type="checkbox"/> Pressure Test PSI.
Main Brg.				<input type="checkbox"/> Magnaflux Block
Rod Brg.				<input type="checkbox"/> Visual Inspect for Cracks
Cam Brg.				<input type="checkbox"/> DEBURE & TAP BLOCK
Cam Shaft				<input type="checkbox"/> Debure Block
Lifters				<input type="checkbox"/> Retap <input type="checkbox"/> Head <input type="checkbox"/> Main-Bolt Holes
Timing Chain				<input type="checkbox"/> Chamfer <input type="checkbox"/> Cyl <input type="checkbox"/> Bolt Holes
Cam Gear				<input type="checkbox"/> Radius & Shot Peen Main Caps
Crank Gear				<input type="checkbox"/> Paint Inside Top of Block
Oil Pump <input type="checkbox"/> H.D. <input type="checkbox"/> H.P. <input type="checkbox"/> H.V.				<input type="checkbox"/> MACHINE BLOCK
Oil Pump Drive <input type="checkbox"/> H.D. <input type="checkbox"/> H.P.				<input type="checkbox"/> Align Hone Mains LBS
Oil Pump Screen				<input type="checkbox"/> Deck Block
Oil Pan				<input type="checkbox"/> Machine Block for Cam Thrust
Rod Bolts <input type="checkbox"/> Moly <input type="checkbox"/> SPS				<input type="checkbox"/> Bore Block
Rod Nuts				<input type="checkbox"/> Power Hone
Main Bolts <input type="checkbox"/> Std. <input type="checkbox"/> Tower				<input type="checkbox"/> SPL. Finish
Head Bolts				<input type="checkbox"/> Torque Plate LBS
Head Bolt Washers				<input type="checkbox"/> Modify Oil System
Main Studs <input type="checkbox"/> Std. <input type="checkbox"/> Tower				<input type="checkbox"/> Install Cam Bearings & Fit
Head Studs				<input type="checkbox"/> Install Freeze & Oil Plugs
Oil Pump Stud				<input type="checkbox"/> CRANK WORK
Dist. Drive Bushing				<input type="checkbox"/> Boil <input type="checkbox"/> Jet Tank
Cam Thrust Plate				<input type="checkbox"/> Debure <input type="checkbox"/> Glass Peen <input type="checkbox"/> Shot Peen
Freeze Plugs <input type="checkbox"/> Steel <input type="checkbox"/> Brass				<input type="checkbox"/> Magnaflux Crank
Oil Plugs				<input type="checkbox"/> Chamfer Oil Holes <input type="checkbox"/> Rods <input type="checkbox"/> Mains
Cam Plug				<input type="checkbox"/> Align Crank <input type="checkbox"/> Micro Finish
Block Dowels				<input type="checkbox"/> Turn Crank Mains Rods
Oil Restrictors				<input type="checkbox"/> Index Turn <input type="checkbox"/> Radius Turn
				<input type="checkbox"/> Polish <input type="checkbox"/> Snout <input type="checkbox"/> Seal <input type="checkbox"/> Thrust
				<input type="checkbox"/> Balance Assemble <input type="checkbox"/> Comp. Less
				<input type="checkbox"/> R&R Pilot Bushing <input type="checkbox"/> Keys
				<input type="checkbox"/> MAGNIFLUX RODS <input type="checkbox"/> MAG BOLTS
				<input type="checkbox"/> POLISH <input type="checkbox"/> GLAS PEEN <input type="checkbox"/> SHOT PEEN
				<input type="checkbox"/> RECONDITION <input type="checkbox"/> SIDE CL.
				<input type="checkbox"/> BORE & BUSH <input type="checkbox"/> SET CC. <input type="checkbox"/> DRILL OIL HOLE
				<input type="checkbox"/> INSTALL BUSHING <input type="checkbox"/> ROLLIN BUSHING
				<input type="checkbox"/> FIT PINS <input type="checkbox"/> ALIGN RODS
				<input type="checkbox"/> MIKE & CHECK SIZE
				<input type="checkbox"/> FLY CUT <input type="checkbox"/> RADIUS & SATIN FINISH
				<input type="checkbox"/> MACH. DOME <input type="checkbox"/> SET PIN/DECK
				<input type="checkbox"/> MACH. OIL GROOVES
				<input type="checkbox"/> CLEAN FINAL <input type="checkbox"/> BRING TO SIZE
				<input type="checkbox"/> DISASSEMBLE & INSPECT
				<input type="checkbox"/> DISASSEMBLE <input type="checkbox"/> SHORT <input type="checkbox"/> LONG
				<input type="checkbox"/> DISASSEMBLE <input type="checkbox"/> COMP. <input type="checkbox"/> W/ACC.
				<input type="checkbox"/> INSPECT & CHECK OUT ALL PARTS
				Assemble Bore & Pistons

Labor

ASSEMBLE

- Short Long Block
- Set Up Oil Pump
- Set Check Ring But Gap
- Set Deck

- Deg. In Cam
- Check P/V CL Int. Ex.
- Paint Inside Top of Block
- Paint Short Long Block

Machine Spl Rod Eye X
Rushing X
pre Bal & work on Bods X
machine Rod nuts X

PART
LABOR
SUBTOTAL
TAX
TOTAL

1,980.00
1,980.00

Home
Piston's 3/10 Bods 1/10
 Bore & Bush Set CC. Drill Oil Hole
 Install Bushing Rollin Bushing
 Fit Pins Align Rods
 Mike & Check Size
 Fly Cut Radius & Satin Finish
 Mach. Dome Set Pin/Deck
 Mach. Oil Grooves
 Clean Final Bring to Size
 DISASSEMBLE & INSPECT
 DISASSEMBLE SHORT LONG
 DISASSEMBLE COMP. W/ACC.
 Inspect & Check Out All Parts

Morgan's ALL PRO



Parts Pro



AUTO PARTS & PERFORMANCE

1285 Parkside Dr. * Walnut Creek, CA 94596
HOURS: MON-FRI 8-6, SAT 8-5

Date: 7-21-18

P.O. #: Name: [Redacted]

Job #023

925-939-7346

Balance BLOCK CRANK RODS PISTON ETC

Ord. Rec. Amt. Make: FERRARI year: 1960's

Model: Eng. Size: 250 V-12

Parts	List	Net	Special Price	Labor
Gaskets				<input type="checkbox"/> CLEAN & PREP BLOCK
Paint Color				<input type="checkbox"/> Boil <input type="checkbox"/> Jet Tank
Sealer				<input type="checkbox"/> Wire Brush <input type="checkbox"/> Acid Dip
Lubes				<input type="checkbox"/> Remove Rust
Pistons				<input type="checkbox"/> Clean & Prep For
<input type="checkbox"/> Pins <input type="checkbox"/> Pin Bushings				<input type="checkbox"/> TEST & INSPECT BLOCK
Rings				<input type="checkbox"/> Pressure Test PSI
Main Brg.				<input type="checkbox"/> Magnaflux Block
Rod Brg.				<input type="checkbox"/> Visual Inspect for Cracks
Cam Brg.				<input type="checkbox"/> DEBURE & TAP BLOCK
Cam Shaft				<input type="checkbox"/> Debure Block
Lifters				<input type="checkbox"/> Retap <input type="checkbox"/> Head <input type="checkbox"/> Main-Bolt Holes
Timing Chain				<input type="checkbox"/> Chamfer <input type="checkbox"/> Cyl <input type="checkbox"/> Bolt Holes
Cam Gear				<input type="checkbox"/> Radius & Shot Peen Main Caps
Crank Gear				<input type="checkbox"/> Paint Inside Top of Block
Oil Pump <input type="checkbox"/> H.D. <input type="checkbox"/> H.P. <input type="checkbox"/> H.V.				<input type="checkbox"/> MACHINE BLOCK
Oil Pump Drive <input type="checkbox"/> H.D. <input type="checkbox"/> H.P.				<input type="checkbox"/> Align Hone Mains LBS
Oil Pump Screen				<input type="checkbox"/> Deck Block
Oil Pan				<input type="checkbox"/> Machine Block for Cam Thrust
Rod Bolts <input type="checkbox"/> Moly <input type="checkbox"/> SPS				<input type="checkbox"/> Bore Block
Rod Nuts				<input type="checkbox"/> Power Hone
Main Bolts <input type="checkbox"/> Std. <input type="checkbox"/> Tower				<input type="checkbox"/> SPL. Finish
Head Bolts				<input type="checkbox"/> Torque Plate LBS
Head Bolt Washers				<input type="checkbox"/> Modify Oil System
Main Studs <input type="checkbox"/> Std. <input type="checkbox"/> Tower				<input type="checkbox"/> Install Cam Bearings & Fit
Head Studs				<input type="checkbox"/> Install Freeze & Oil Plugs
Oil Pump Stud				<input type="checkbox"/> CRANK WORK
Dist. Drive Bushing				<input type="checkbox"/> Boil <input type="checkbox"/> Jet Tank
Cam Thrust Plate				<input type="checkbox"/> Debure <input type="checkbox"/> Glass Peen <input type="checkbox"/> Shot Peen
Freeze Plugs <input type="checkbox"/> Steel <input type="checkbox"/> Brass				<input type="checkbox"/> Magnaflux Crank
Oil Plugs				<input type="checkbox"/> Chamfer Oil Holes <input type="checkbox"/> Rods <input type="checkbox"/> Mains
Cam Plug				<input type="checkbox"/> Align Crank <input type="checkbox"/> Micro Finish
Block Dowels				<input type="checkbox"/> Turn Crank Mains Rods
Oil Restrictors				<input type="checkbox"/> Index Turn <input type="checkbox"/> Radius Turn
Flywheel clutch				<input type="checkbox"/> Polish <input type="checkbox"/> Snout <input type="checkbox"/> Seal <input type="checkbox"/> Thrust
Crank				<input type="checkbox"/> Balance Assemble <input type="checkbox"/> Comp. Less
Keys & Gears				<input type="checkbox"/> R&R Pilot Bushing <input type="checkbox"/> Keys NO
Balancer				<input type="checkbox"/> ROD WORK
Bolts Labor				<input type="checkbox"/> Magnaflux Rods <input type="checkbox"/> Mag Bolts

ASSEMBLE

<input type="checkbox"/> Short <input type="checkbox"/> Long Block				<input type="checkbox"/> Polish <input type="checkbox"/> Glas Peen <input type="checkbox"/> Shot Peen
<input type="checkbox"/> Set Up Oil Pump				<input type="checkbox"/> Recondition <input type="checkbox"/> Side CL.
<input type="checkbox"/> Set <input type="checkbox"/> Check Ring But Gap				<input type="checkbox"/> Bore & Bush <input type="checkbox"/> Set CC. <input type="checkbox"/> Drill Oil Hole
<input type="checkbox"/> Set Deck				<input type="checkbox"/> Install Bushing <input type="checkbox"/> Rollin Bushing
<input type="checkbox"/> Deg. In Cam				<input type="checkbox"/> Fit Pins <input type="checkbox"/> Align Rods
<input type="checkbox"/> Check P/V CL. <input type="checkbox"/> Int. <input type="checkbox"/> Ex.				<input type="checkbox"/> PISTON WORK
<input type="checkbox"/> Paint Inside Top of Block				<input type="checkbox"/> Mike & Check Size
<input type="checkbox"/> Paint <input type="checkbox"/> Short <input type="checkbox"/> Long Block				<input type="checkbox"/> Fly Cut <input type="checkbox"/> Radius & Satin Finish
Pistons - Pins - Rings - Locks	X			<input type="checkbox"/> Mach. Dome <input type="checkbox"/> Set Pin/Deck
Prob Big end small End To	X			<input type="checkbox"/> Mach. Oil Grooves
Touch up all parts for Bal	X			<input type="checkbox"/> Clean <input type="checkbox"/> Bring to Size
EP on Balancer Seal area	X			<input type="checkbox"/> DISASSEMBLE & INSPECT
Crank - Done & St	X			<input type="checkbox"/> DISASSEMBLE <input type="checkbox"/> SHORT <input type="checkbox"/> LONG
				<input type="checkbox"/> DISASSEMBLE <input type="checkbox"/> COMP. <input type="checkbox"/> W/ACC.
				<input type="checkbox"/> Inspect & Check Out All Parts
				for Balancer X
			1140.00	
			1140.00	

Morgan's ALL PRO



Parts Pro



AUTO PARTS & PERFORMANCE

1285 Parkside Dr. * Walnut Creek, CA 94596
HOURS: MON-FRI 8-6, SAT 8-5

925-939-7346

Date: 7-21-18

P.O. #: _____ Name: _____

JOB # 023

Ord. Rec. Amt. Make: FERRARI
year: 1960'S

Model: _____ Eng. Size: 250 V-12 010543
GEN. SHOP

Parts	List	Net	Special Price	Labor
Gaskets				<input type="checkbox"/> CLEAN & PREP
Paint Color				<input type="checkbox"/> Boil <input type="checkbox"/> Jet Tank
Sealer				<input type="checkbox"/> Glass Peen <input type="checkbox"/> Shot Peen
Lubes				<input type="checkbox"/> Wire Brush <input type="checkbox"/> Acid Dip
				<input type="checkbox"/> Tumble <input type="checkbox"/> Remove Rust
				<input type="checkbox"/> Clean & Prep For
Clutch Cover - Pressure Plate				<input type="checkbox"/> TEST & INSPECT
Disk				<input type="checkbox"/> Magnaflux
Throw Out Bearing				<input type="checkbox"/> Visual Inspect for Cracks
Pilot Bearing				<input type="checkbox"/> FLYWHEEL SURFACING
				<input type="checkbox"/> Remove Pilot Bearing
Flywheel Bolts				<input type="checkbox"/> Flat
Clutch Bolts				<input type="checkbox"/> Step
Ring Gear				<input type="checkbox"/> Dial
				<input type="checkbox"/> R & R <input type="checkbox"/> Pins <input type="checkbox"/> Drill Out
Brake Shoes				<input type="checkbox"/> R & R Timing Markers
Brake Pads				<input type="checkbox"/> Hold From O.D. Type
Brake Inst. Kit				<input type="checkbox"/> Truck Type
				<input type="checkbox"/> Large Truck Type
				<input type="checkbox"/> Damper Type
				<input type="checkbox"/> R & R Ring Gear
Balancer Sleeve				<input type="checkbox"/> BRAKE WORK
Ball micall Brg. Rod & Mains				<input type="checkbox"/> Turn Brake Drums
Workout cranksize Rods & Mains				<input type="checkbox"/> Turn Brake Rotors
Adj. main Brg. Housing Bore Size in Block				
Set Bear. Butt Gap Ch when Required Rods yes Mains No				<input type="checkbox"/> SURFACING
				<input type="checkbox"/> Surf. - Milling Mach.
Install crank - Test fit main Brg ch				<input type="checkbox"/> Surf. - Grinding
Install connecting Rod Test Fit Rod Brg. Ch Nice Free				<input type="checkbox"/> Surf. - Surfacing
Polish main & Rod Brg				<input type="checkbox"/> INT. MANIFOLD
				<input type="checkbox"/> Boil & Peen
				<input type="checkbox"/> R & R Tin Plate
				<input type="checkbox"/> SHOP TIME
				<input type="checkbox"/> Check & Align Push Rods
				<input type="checkbox"/> Check Rockers <input type="checkbox"/> Rocker Studs
				<input type="checkbox"/> Deg. In T.D.C. - Marker
				<input type="checkbox"/> Install Balancer Sleeve
				<input type="checkbox"/> Hone & Fit Balancer
				<input type="checkbox"/> Set Oil Pump Screen
				<input type="checkbox"/> Install Tin Parts On long Block
				<input type="checkbox"/> Install Acc. On Long Block

Spent 6 3/4 Hours

labor

Paid

Labor		PART	
		LABOR	810 ⁰⁰
		SUBTOTAL	
		TAX	
		TOTAL	810 ⁰⁰

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AUTO PARTS & PERFORMANCE

1285 Parkside Dr. * Walnut Creek, CA 94596
HOURS: MON-FRI 8-6, SAT 8-5

925-939-7346

Date: 7-21-18

P.O. #: _____ Name: _____

JOB #023

Ord. Rec. Amt.

Make: FERRARI
year: 1960'S

Model: _____
Eng. Size: 250 V-12 " 010544 GEN. SHOP

Parts	List	Net	Special Price	Labor
Gaskets				<input type="checkbox"/> CLEAN & PREP
Paint Color				<input type="checkbox"/> Boil <input type="checkbox"/> Jet Tank
Sealer				<input type="checkbox"/> Glass Peen <input type="checkbox"/> Shot Peen
Lubes				<input type="checkbox"/> Wire Brush <input type="checkbox"/> Acid Dip
				<input type="checkbox"/> Tumble <input type="checkbox"/> Remove Rust
				<input type="checkbox"/> Clean & Prep For
Clutch Cover - Pressure Plate				<input type="checkbox"/> TEST & INSPECT
Disk				<input type="checkbox"/> Magnaflux
Throw Out Bearing				<input type="checkbox"/> Visual Inspect for Cracks
Pilot Bearing				<input type="checkbox"/> FLYWHEEL SURFACING
				<input type="checkbox"/> Remove Pilot Bearing
Flywheel Bolts				<input type="checkbox"/> Flat
Clutch Bolts				<input type="checkbox"/> Step
Ring Gear				<input type="checkbox"/> Dial
				<input type="checkbox"/> R & R <input type="checkbox"/> Pins <input type="checkbox"/> Drill Out
Brake Shoes				<input type="checkbox"/> R & R Timing Markers
Brake Pads				<input type="checkbox"/> Hold From O.D. Type
Brake Inst. Kit				<input type="checkbox"/> Truck Type
				<input type="checkbox"/> Large Truck Type
				<input type="checkbox"/> Damper Type
Balancer Sleeve				<input type="checkbox"/> R & R Ring Gear
Evaluate the job & procedures needed to complete machine work.				<input type="checkbox"/> BRAKE WORK
Setup labor outline for machine work				<input type="checkbox"/> Turn Brake Drums
Over see and work with machinist from beginning to end.				<input type="checkbox"/> Turn Brake Rotors
check out finished machine work				<input type="checkbox"/> SURFACING
				<input type="checkbox"/> Surf. - Milling Mach.
				<input type="checkbox"/> Surf. - Grinding
				<input type="checkbox"/> Surf. - Surfacing
				<input type="checkbox"/> INT. MANIFOLD
				<input type="checkbox"/> Boil & Peen
				<input type="checkbox"/> R & R Tin Plate
				<input type="checkbox"/> SHOP TIME
				<input type="checkbox"/> Check & Align Push Rods
				<input type="checkbox"/> Check Rockers <input type="checkbox"/> Rocker Studs
				<input type="checkbox"/> Deg. In T.D.C. - Marker
				<input type="checkbox"/> Install Balancer Sleeve
				<input type="checkbox"/> Hone & Fit Balancer
				<input type="checkbox"/> Set Oil Pump Screen
				<input type="checkbox"/> Install Tin Parts On long Block
				<input type="checkbox"/> Install Acc. On Long Block
8:30 AM / 11:30 AM Labor				
PART				
LABOR				1,320 ⁰⁰
SUBTOTAL				
TAX				
TOTAL				1,320 ⁰⁰

VAC Labor @ 120.00

Tim's labor

Paul

Earl
Finish all small checks
& Do's. put all part in bags
3 hours @ 120⁰⁰ per hr
N.C.

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AUTO PARTS & PERFORMANCE

1285 Parkside Dr. * Walnut Creek, CA 94596
HOURS: MON-FRI 8-6, SAT 8-5

Date: 7-21-18

P.O. #: _____ Name: _____

Job #023

10546 925-939-7346

Ord. Rec. Amt. Make: FERRARI
year: 1960'S

Model: _____ Eng. Size: 250 V-12 Flywheel GEN. SHOP

Parts	List	Net	Special Price	Labor
Gaskets				<input type="checkbox"/> CLEAN & PREP
Paint Color				<input checked="" type="checkbox"/> Boil <input checked="" type="checkbox"/> Jet Tank
Sealer				<input checked="" type="checkbox"/> Glass Peen <input type="checkbox"/> Shot Peen
Lubes				<input checked="" type="checkbox"/> Wire Brush <input type="checkbox"/> Acid Dip
				<input type="checkbox"/> Tumble <input checked="" type="checkbox"/> Remove Rust
				<input checked="" type="checkbox"/> Clean & Prep For Machine Work
Clutch Cover - Pressure Plate				<input type="checkbox"/> TEST & INSPECT
Disk				<input type="checkbox"/> Magnaflux
Throw Out Bearing				<input checked="" type="checkbox"/> Visual Inspect for Cracks <u>OK</u>
Pilot Bearing				<input type="checkbox"/> FLYWHEEL SURFACING
Flywheel Bolts				<input type="checkbox"/> Remove Pilot Bearing
Clutch Bolts				<input checked="" type="checkbox"/> Flat <u>Steel .010</u>
Ring Gear				<input type="checkbox"/> Step
3 Pressure Plat S.P. Washers E Bolts			<u>3.00</u>	<input checked="" type="checkbox"/> Dial <u>100 Pins used</u>
Brake Shoes				<input checked="" type="checkbox"/> R & R <input type="checkbox"/> Pins <input type="checkbox"/> Drill Out
Brake Pads				<input type="checkbox"/> R & R Timing Markers
Brake Inst. Kit				<input type="checkbox"/> Hold From O.D. Type
3 Helicoils 1/2 dia 8mm 1.0 Pitch			<u>6.00</u>	<input type="checkbox"/> Truck Type
Balancer Sleeve				<input type="checkbox"/> Large Truck Type
				<input type="checkbox"/> Damper Type
				<input checked="" type="checkbox"/> R & R Ring Gear <u>check OK</u>
Labor				<input type="checkbox"/> BRAKE WORK
Install (3) Helicoils				<input type="checkbox"/> Turn Brake Drums
Machine Flywheel Bolts (3) .020				<input type="checkbox"/> Turn Brake Rotors
Machine Socket For Flywheel Bolts				<input type="checkbox"/> SURFACING
Work on 3 New Pressure Plate Bolts .050				<input type="checkbox"/> Surf. - Milling Mach.
Has .060 CLR				<input type="checkbox"/> Surf. - Grinding
Retap All Bolt Holes				<input type="checkbox"/> Surf. - Surfacing
				<input type="checkbox"/> INT. MANIFOLD
				<input type="checkbox"/> Boil & Peen
				<input type="checkbox"/> R & R Tin Plate
				<input type="checkbox"/> SHOP TIME
				<input type="checkbox"/> Check & Align Push Rods
				<input type="checkbox"/> Check Rockers <input type="checkbox"/> Rocker Studs
				<input type="checkbox"/> Deg. In T.D.C. - Marker
				<input type="checkbox"/> Install Balancer Sleeve
				<input type="checkbox"/> Hone & Fit Balancer
				<input type="checkbox"/> Set Oil Pump Screen
				<input type="checkbox"/> Install Tin Parts On long Block
				<input type="checkbox"/> Install Acc. On Long Block

Labor		PART	9.00
		LABOR	360.00
		SUBTOTAL	369.00
		TAX	.74
		TOTAL	369.74

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AUTO PARTS & PERFORMANCE

1285 Parkside Dr. * Walnut Creek, CA 94596
HOURS: MON-FRI 8-6, SAT 8-5

925-939-7346

Date: 7-21-18

P.O. #: _____ Name: _____

Job #023

Ord. Rec. Amt.

Make: Ferrari
year: 1960's

Model: _____
Eng. Size: 250 V-12

010547 Parts GEN. SHOP

Parts	List	Net	Special Price	Labor
Gaskets				<input type="checkbox"/> CLEAN & PREP
Paint Color				<input type="checkbox"/> Boil <input type="checkbox"/> Jet Tank
Sealer				<input type="checkbox"/> Glass Peen <input type="checkbox"/> Shot Peen
Lubes				<input type="checkbox"/> Wire Brush <input type="checkbox"/> Acid Dip
				<input type="checkbox"/> Tumble <input type="checkbox"/> Remove Rust
				<input type="checkbox"/> Clean & Prep For
Clutch Cover - Pressure Plate				<input type="checkbox"/> TEST & INSPECT
Disk				<input type="checkbox"/> Magnaflux
Throw Out Bearing				<input type="checkbox"/> Visual Inspect for Cracks
Pilot Bearing				<input type="checkbox"/> FLYWHEEL SURFACING
				<input type="checkbox"/> Remove Pilot Bearing
Flywheel Bolts				<input type="checkbox"/> Flat
Clutch Bolts				<input type="checkbox"/> Step
Ring Gear				<input type="checkbox"/> Dial
				<input type="checkbox"/> R & R <input type="checkbox"/> Pins <input type="checkbox"/> Drill Out
Brake Shoes				<input type="checkbox"/> R & R Timing Markers
Brake Pads				<input type="checkbox"/> Hold From O.D. Type
Brake Inst. Kit				<input type="checkbox"/> Truck Type
				<input type="checkbox"/> Large Truck Type
				<input type="checkbox"/> Damper Type
				<input type="checkbox"/> R & R Ring Gear
6 Balancer Sleeve			900	<input type="checkbox"/> BRAKE WORK
6 ARP 8mm Special purpose washers			900	<input type="checkbox"/> Turn Brake Drums
1 1/4 MM CR-V Socket			800	<input type="checkbox"/> Turn Brake Rotors
1 W38414			900	
1 W30987			900	
12 Custom Rod Eye Bushings			300.00	<input type="checkbox"/> SURFACING
Crower Semi 25.00 each				<input type="checkbox"/> Surf. - Milling Mach.
				<input type="checkbox"/> Surf. - Grinding
				<input type="checkbox"/> Surf. - Surfacing
Freight on Semi Bushings			1600	<input type="checkbox"/> INT. MANIFOLD
Small Rails From OST #51780			2600	<input type="checkbox"/> SHOP TIME
				<input type="checkbox"/> Check & Align Push Rods
				<input type="checkbox"/> Check Rockers <input type="checkbox"/> Rocker Studs
				<input type="checkbox"/> Deg. In T.D.C. - Marker
				<input type="checkbox"/> Install Balancer Sleeve
				<input type="checkbox"/> Hone & Fit Balancer
				<input type="checkbox"/> Set Oil Pump Screen
				<input type="checkbox"/> Install Tin Parts On long Block
				<input type="checkbox"/> Install Acc. On Long Block

Labor		PART	377.00
		LABOR	
		SUBTOTAL	
		TAX	3.10
		TOTAL	408.10

CUSTOMER SPECIFICATIONS

** SAVE FOR REORDERING **

** JOB # 1062520 **

This Job # is laser etched on pistons supplied for 2023 GT

JE PISTONS
10800 VALLEY VIEW STREET
CYPRESS, CA 90630

DATE 05/23/18
(714)898-9763

Yellow 2618

GT CAR PARTS

PO # 289384 R UPD

ACC # 2347
623/780-2200

516 W LONE CACTUS DR
PHOENIX AZ 85027

PISTON PART # 359694 quantity

MOTOR TYPE FERRARI 12 CYL
HEAD DESC. FERRARI

DISPLACEMENT

PISTON TYPE DOME

NET PISTON VOLUME 8.4
BORE 2.895 (73.53mm)

STROKE

ROD LENGTH
DOME HEIGHT .165 (4.19mm)
COMP. DIST 1.140 (28.96mm)
Int .082 (2.08mm) 30 Deg
Exh .082 (2.08mm) 30 Deg
Valve Pocket depth measured from Deck

IMPORTANT
CLEARANCE INFORMATION
GUIDELINES ONLY
Set Clearance to .0030 (.0762mm)
Some applications may require more clearance. Measure piston diameter .500 (13mm) up from bottom of skirt.

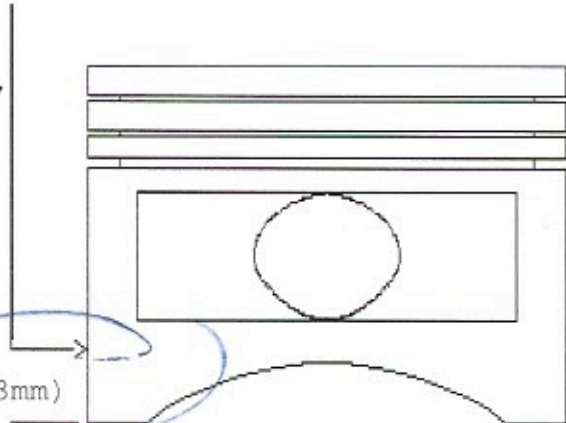
CORRECT PISTON INSTALLATION IS THE RESPONSIBILITY OF THE CUSTOMER

Groove Width Land Width
TOP .040 (1.02mm) .190 (4.83mm)
2ND .048 (1.22mm) .135 (3.43mm)
OIL .111 (2.82mm) .080 (2.03mm)

Radial Depths
Top .12 (3.05mm)
2nd .137 (3.48mm)
Oil .126 (3.20mm)

*Stock Is 16.5 mm
.649 Inch*

PIN DIA 17mm .669 (16.99mm)
PIN LENGTH 2.250 (57.15mm) .500 (13mm)
JE .050 Wire Locks



ACTUAL WEIGHT 231 GRAMS

ALL SPECIFICATIONS ARE SUBJECT TO MANUFACTURERS TOLERANCES

Ferrari

43
Tim Morgan
3.31.18
~10A-12

Job # 023

25K
depart
class
cash

250 V-12
Head Gasket For Torque Plate

Set Pistons, Pins, Rings ^{Needs Pre} Bore First
+.020 or 3 mm

Set Rod Eye Bushings Semi

Set Rod Nuts Spl. Sample

Set Rod Brq STD Need To Fit

Set Main Brq STD Need To Fit

28 Head Studs Surface Thread Type
94255?, 94256? ~~94256~~ ^{inside} ~~corrosion~~

? Crank Gears Fit on nose of crank
(oil PP drive)

Pilot Bear Seal, Wip Ring

Job# 023

V-12 250 Ferrari

Ring Gap Info

		Math Factor
Top	.014 steel	.013
2nd	.020 / .021 ^{Twin .016 / .020} Napier	.014
Oil	.019	Min .015 Max .040

2.894 Bore

2618 Aerospace Alloy
Sport Compact Type Piston
& Rings



Job #
023

Auto Parts & Performance

Torque We Used

Adj. From This
Hand Torque

Rods	10 mm	42 LBS	With Oil
Main's	10 mm	48 LBS	With Oil
	8 mm	14 LBS	With Oil
Heads	10 mm	60 LBS	With Oil

Install Head Studs
25 LBS with Copper
Anti-sieze

MORGAN'S MACHINE & MARINE
(925) 939-7346
1285 Parkside Drive Walnut Creek CA 94596

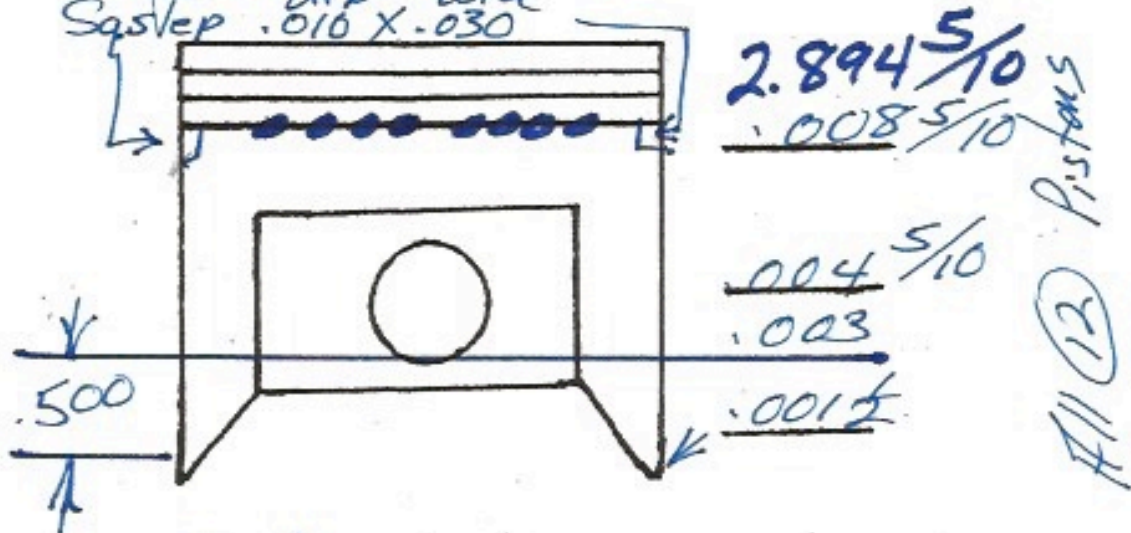
PISTON CHART

NAME Job # 023

Manufactures Recommended Bore Size 73.5^{mm} 2.895
 Finish Bore Size 2.894 $\frac{5}{10}$

Rings Top steel Nitrided
 2nd Cast Napier
 Oil Light Flex Vent Type
 with 4 off set Oil Holes, Below Oil Rings

Sq Step $.010 \times .030$



Pistons Are J.E
 Cyl Are Nice for $-.000 \frac{3}{10}$

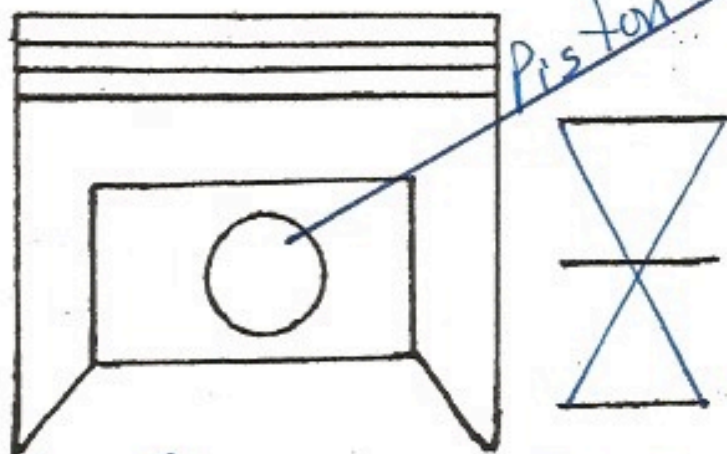
Cam Grind .025
 Ring Pack Area .031
 .026

PISTON CHART

NAME Job # 023
250 Ferrari V-12

Manufactures Recommended Bore Size _____

Finish Bore Size _____



Piston Pin Ch. To Piston
Pin Bore: In
Piston
.0005/10

Piston Pin Ch. To Rod Eye Bushing
Size

.0007/10

Job # 023

Bal InFu Weights

Pistons	230.7	
Pins	66.2	
Rings	15.2	Per Cyl Set.
Clips	.9	Per Cyl Pr.
Rod Brq	37.9	Per Pr.

Rods

Big End	375.2
Pin End	123.3
Total Rod	498.5

FLYWHEELS

Job # 023

250 V-12 Ferrari

1147 GT

2023 GT

Step, Surface
To Flywheel Bolt Area

.204

.214

Thick At Bolt Area

.239

.248

Over All Thick

1.423

1.417



Job # 023

Auto Parts & Performance

Brq. Ch.

Rod Brq Ch. .002 $\frac{4}{10}$ Final
We Like .002/.002 $\frac{1}{2}$

Main Brq Ch. .001 $\frac{5}{10}$ /.002 Final
We Like .001 $\frac{5}{10}$ /.002

Huger Type Rear Main Seal
.003 $\frac{1}{2}$ Nice
We Go For .002/.003
.003 $\frac{1}{2}$ Final To Crank Center Line

MORGAN'S MACHINE & MARINE

(925) 939-7346

1285 Parkside Drive Walnut Creek CA 94596

NAME:

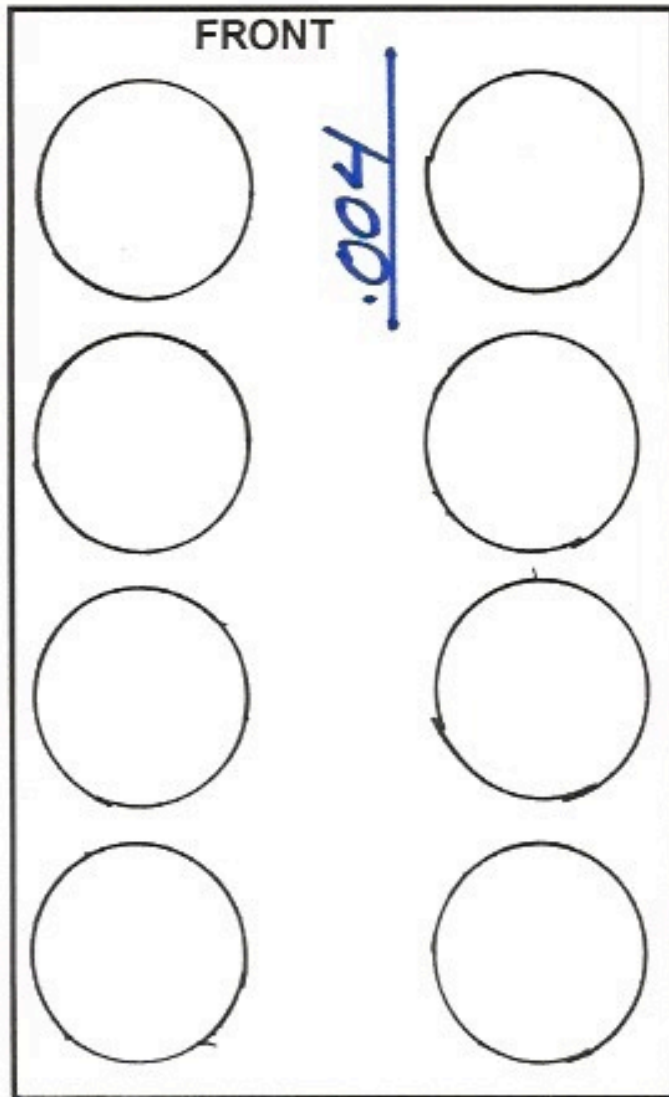
Job # 023

DECK CHART

V-12 Ferrari

CITY

.006



.007

Block Height 6.608

.003

.006

We are still open and available to support our customers amid the COVID-19 pandemic. Prefer our old website? [CLICK HERE!](#)



[HOME](#) [SEARCH PRODUCTS](#) - JE Pistons, 669-050-MW Wrist Pin Lock

JE PISTONS, 669-050-MW WRIST PIN LOCK

JE PISTONS, 669-050-MW WRIST PIN LOCK

Retail Price: \$2.98

BACK ORDERED, WILL SHIP IN 7-10 BUSINESS DAYS SKU 669-050-MW

Product Type:

Wrist Pin Lock

Description:

Wrist Pin Lock, Wire Lock, Chrome Silicon, 0.669 in. Diameter, 0.050 in. Lock Thickness, Each,



2 669-050-MW



LOT# 1118-3621



PRODUCT
COMING
SOON

[DESCRIPTION](#)

[SPECIFICATIONS](#)



2618 INSTALLATION TIPS

THESE GUIDELINES CAN ASSIST IN THE INSTALLATION PROCESS TO HELP ENSURE CORRECT OPERATION AND MAXIMUM PERFORMANCE BUT ARE NOT INTENDED AS COMPLETE INSTALLATION INSTRUCTIONS.



BEFORE BALANCING, installing pins, rods, or locks, please check the part number and description on box label to be sure you have the correct components. Shelf pistons that are altered, scratched or damaged are not returnable. Custom Pistons are returnable only for manufacturing defects.

Piston to cylinder wall clearance

1. Piston diameter must be measured at gauge point which, in most cases, is .500" up from the bottom of skirt. (See fig. 1).
2. Dimensions listed are gauged at a temperature of 68 degrees fahrenheit. Note: aluminum expands and contracts with temperature variations.
3. Your pistons are manufactured from 2618 low-silicon aerospace aluminum alloy.
4. Clearance is built into piston based upon finished bore for normal operating conditions. (See Table. 1).
5. Clearances listed below are minimum. Some applications such as supercharged, turbo, nitrous and endurance applications may require .001-.003" to be added to the minimum clearances in Table 1. Cold water pickup marine applications may require an additional .002"-.004" clearance.

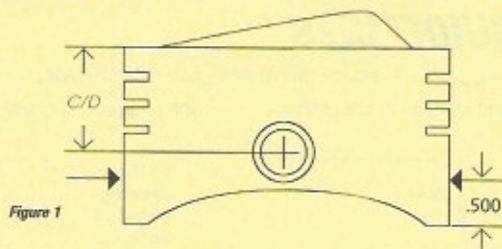


Table 1

	Bore Range	Min. Clearance
Sport compact	2.500 to 3.625"	.0030 to .0035"
Sport compact	3.626 to 3.999"	.0035 to .0040"
SB applications	4.000 to 4.200"	.0035 to .0045"
BB applications	4.200 to 4.600"	.0040 to .0050"

Piston to valve clearance

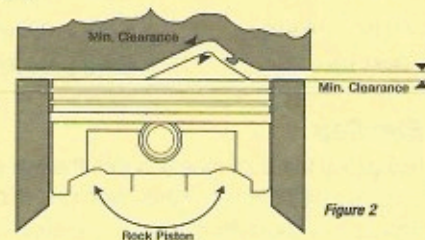
Piston to valve clearance is determined by cam lift, lobe separation, duration, valve margin, head design, and aftermarket milling of cylinder head. Minimum recommended clearance for intake & exhaust valve would be 0.100" deep and .050" radially. Check by using clay or follow cam manufacturers recommendations for checking clearance, making sure the cam is degreed exactly as it will be during operation.

Cylinder/Liner/Block preparation

We strongly recommend that you chamfer or slightly relieve the bottom edges of your cylinders/liners/blocks. If a sharp edge is present it will cause excessive piston skirt wear. This is very important in stroker applications where the piston skirt travels past the bottom of the cylinder.

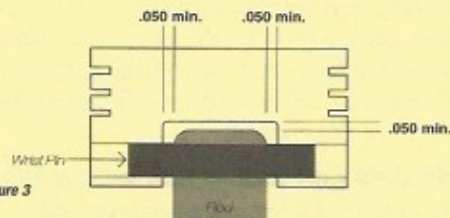
Piston/dome to head and spark plug clearance

Due to the large selection of aftermarket cylinder heads available, and wide variety of combustion chambers, you should always check piston/dome to head and spark plug clearance to assure proper clearance (See fig.2). Minimum clearance for steel rod = .040", aluminum = .060". Check using clay with piston installed on rod at TDC, rock piston to get minimum clearance.



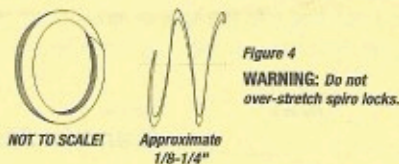
Crank counterweight to piston clearance

Always check counterweight to piston clearance at BDC. Recommended minimum is .060"



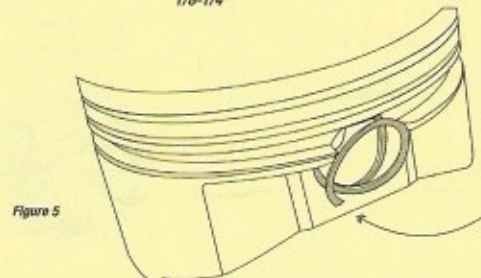
Connecting rod to piston clearance

Due to the large variation in rod widths and material thickness above pin, always check for proper piston to connecting rod pin end clearance. Recommended clearance is .050" min per side and .050" min from top of rod to piston. With the piston installed on the rod, rock the piston side to side and rotate forward and backward to ensure proper clearance. (fig. 3)



Spiro locks

For installing Spiro locks, grip each end of the lock and pull apart (approx. 3/8" - 7/16"). The lock will resemble a small coil (fig.4). The lock can then be spiraled into place almost as if you were screwing them into a groove (fig. 5). When the locks are properly seated, only half of the lock will be visible above the groove. **Most** SRP pistons that require spiral locks will need 4 locks per piston, 2 at each end of the pin. **WARNING:** It is important that the correct number of locks are installed in each piston or severe engine damage may occur. **WARNING:** Do not over stretch spiro locks and do not reuse spiro locks!



Wire locks

Install the end of one lock at 90 degrees from the pick lock groove. Use a stiff small bladed screwdriver and insert the tip into the pick lock groove while you wedge the lock into the groove without kinking or deforming the lock. After the first lock is in place, seat the lock by solidly hitting the wrist pin with a brass drift pin. Now install the connecting rod and the second lock. Seat the 2nd lock in the same manner as the first. Just as a precaution, we recommend hitting each side of the wrist pin with the brass drift pin an additional time. Perform these functions on a cloth towel or soft rubber pad so no damage to the piston occurs.

Cleaning

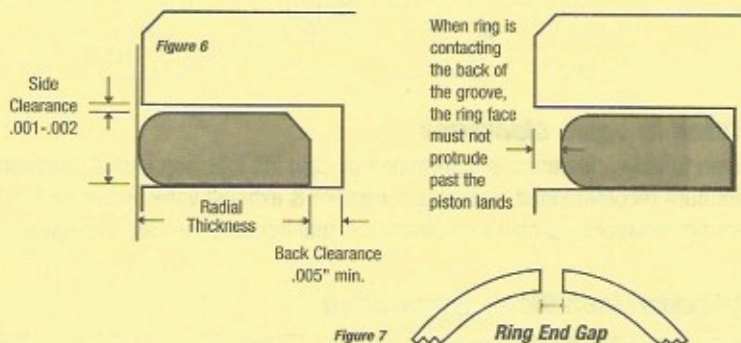
Thoroughly scrub pistons and cylinder walls with an automotive parts type cleaning solvent or hot water and soap before installation. JE recommends a light coat of assembly oil (Marvel Mystery Oil or similar) on the pistons' skirt, rings and cylinder walls for initial installation and start up. **WE DO NOT RECOMMEND USING SYNTHETIC OIL OR ANY AFTERMARKET OIL ADDITIVES** until the rings have properly seated. Be sure to thoroughly lubricate wrist pins and piston pin bores with an assembly oil to prevent galling on initial fire-up. It is also a very good idea to double check forced piston pin oiler holes for foreign matter or debris before ring installation. During trial assembly or mock-up, verify the dome and valve pockets on the pistons match the combustion chamber and valve diameters of your cylinder heads. As a rule, four-valve piston exhaust pockets are located above the JE logo on the underside of the piston. Many JE/SRP piston designs have special offset domes and /or specific valve pocket "left" or "right" hand positions. It is the responsibility of the engine builder to ensure non-symmetrical (left or right designed pistons) valve pocket pistons are installed in the correct cylinder location.

RING INSTALLATION GUIDELINES

IMPORTANT: BEFORE FILING RINGS – Check each individual ring in its corresponding piston ring groove to ensure proper ring groove depth (radial back clearance) and side clearance (thickness)(fig. 6). Proper cylinder finish (honing), ring end-gap, and lubrication are critical to achieving optimum ring seal.

Ring End Gap Table (Use as a guideline only.)

	Top Ring	2nd Ring	Oil Ring Rails
Application	Min. Gap Per Inch of Bore		Minimum Gap
High-Perf. Street-Strip	Bore x .0045"	Bore x .0050"	min .015"
Street Moderate Turbo/Nitrous	Bore x .0050"	Bore x .0055"	min .015"
Late Model Stock	Bore x .0050"	Bore x .0053"	min .015"
Circle Track / Drag Race	Bore x .0055"	Bore x .0057"	min .015"
Nitrous Race Only	Bore x .0070"	Bore x .0073"	min .015"
Blown Race Only	Bore x .0060"	Bore x .0063"	min .015"



End Gap

End gap is the clearance between the two ends of a piston ring as it is installed in a cylinder (fig. 7). Most high performance and racing engine builders purchase piston rings slightly oversized in order to file fit them to very precise end gaps. Testing has shown measurable increases in horsepower and decreases in blow-by as a result of properly fitting the ring end gap to the operating conditions. Factors such as supercharging, turbocharging, nitrous oxide, endurance racing and different fuels determine proper ring end gap. Proper ring end gap can more than double from one engine to the next depending upon the above factors.

Precise machining of the cylinder bores is critical, and is the reason why rings should be fitted to the cylinder in which they are to be installed. A diameter variance from one cylinder to the next changes the end gap of the rings in that cylinder by a factor of pi (3.1416). For example, a cylinder .001" larger in diameter will increase the ring end gap by $.001 \times 3.1416 = .003$ ", rounding off. The second ring end gap should always be larger than the top ring end gap.

Ring Sets Containing Rail with a Tab

When installed in a horizontally opposed engine, oil rail gaps should be installed as shown at below (fig. 9). The tab rail must be installed below the oil ring expander with the tab facing toward the bottom of the ring groove extending into the split oil drain back holes (fig. 8). Use caution not to install the rail tab into the wrist pin oil hole.

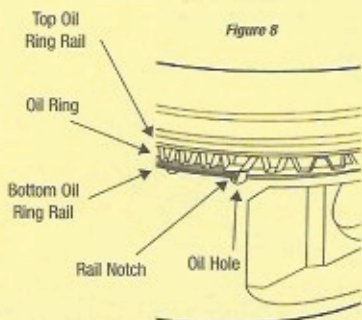
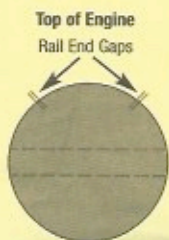
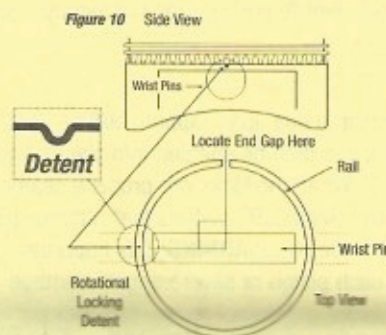


Figure 9 Example: Subaru

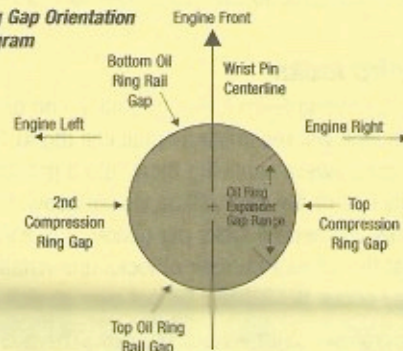


Oil Ring Support Rail Installation

1. Install oil ring support rails on the bottom of the oil ring groove with the antirotational locking detent facing downward.
2. Rotate the oil ring support rail until antirotational locking detent falls between the opening at intersection of ring groove and wrist pin hole. (fig. 10)
3. Install oil ring assembly as usual.



Ring Gap Orientation Diagram



NOT FOR SALE OR USE IN POLLUTION CONTROLLED VEHICLES.

2023GT

Pistons ~~Rings~~

$\frac{1}{2}$
Rings

bought + installed

GT CAR PARTS
PO #289384 R UPD
FERRARI 12 CYL FERRARI

ACCT #2347
CUSTOM ORDER

BORE	2.895	DOME	.165
COMP HEIGHT	1.140	TOP RING	1.0mm
FORGING	73M	2ND RING	1.2mm
PIN DIA	.669	OIL RING	2.8mm
PIN LENGTH	2.250	ACTUAL WEIGHT	231

JE .050 Wire Locks

PART # 359694
BOX 2 OF 9

JOB # 1062520



1062520



JG1004-2894

Bore 2.894 Nitrite 1.0 x 1.2 x 2.8

LOT# 060418-049-M052918-160121

Precision Made Ring Set
(Top Ring, 2nd Ring and Oil Ring)

PRO SEAL
DESIGN RINGS

Distributor Test Report (2023GT)

October 2018, Motor Rebuild

Left Distributor

Contact points:

Dwell of each set of points = 23 degrees
Cumulative dwell = 42

Dwell variation through RPM range = 1 degree (Acceptable: 2 degrees or less)
Cam lobe accuracy = 120, 241, 360 degrees (should be 120, 240, 360)

Condenser:

Capacitance = 0.23 uF (nameplate rating is 0.18 uF)
Leakage Test: Passed
Resistance Test: Passed

Right Distributor

Contact points:

Dwell of each set of points = 23 degrees
Cumulative dwell = 42

Dwell variation through RPM range = 1 degree (Acceptable: 2 degrees or less)
Cam lobe accuracy = 120, 241, 360 degrees (should be 120, 240, 360)

Condenser:

Capacitance = 0.23 uF (nameplate rating is 0.18 uF)
Leakage Test: Passed
Resistance Test: Passed

Advance Curves

Distributor RPM	500	750	1000	1250	1500	1750	2000	2250	2500	500
Factory Spec	0	5.0	10.0	11.5	13.5	14.2	15.0	15.0	15.0	0
Left Distributor	0	5.5	10.5	12.0	14.0	14.5	15.0	15.0	15.0	0
Right Distributor	0	6.5	10.5	12.0	14.0	14.5	15.0	15.0	15.0	0

