

Ferrari 308 Competition Engine Parts and Processes

by DTM Power Ltd.

Description	quantity	price ea	price qty
Machining to donor crankcase;			
line bore for billet mains caps	1	280.00	280.00
re-thread to M16x1.5 for head stud upgrade	20	80.00	1,600.00
face top and bottom	2	60.00	120.00
align cam drive bearing housing	1	250.00	250.00
bore liners to suit new pistons, cross hatch and plateau hone	8	55.00	440.00
re-thread for bell housing stud upgrade	6	80.00	480.00
machine crankcase for larger inner cam drive bearings	2	245.00	490.00
machine front cover for larger outer cam drive bearings	2	175.00	350.00
outer cam drive bearing retaining clamps	2	105.00	210.00
nb *not all specifications of engine need all parts and processes*			
Processes to components;			
crack testing throughout	1	500.00	500.00
remove old liners, if corroded into crankcase	8	250.00	2,000.00
fit new liners	8	125.00	1,000.00
full engine balance	1 set	325.00	325.00
gas flow cylinder heads	2	1,200.00	2,400.00
fit new valve seats	16	25.00	400.00
profile cut valve seats	16	32.00	512.00
fit new guides	16	20.00	320.00
upgrade mods to carburettors (power jet and aux vent mod)	4	120.00	480.00
cap and hone conrods	8	80.00	640.00
shot peen conrods	8	80.00	640.00
Components (modified);			
pistons, any bore size up to 87mm, crowns CNC machined to reqd CR	8	425.00	3,400.00
cams, any profile or our own DTM02 profile	4	725.00	2,900.00
cam followers, shim under type	16	35.00	560.00
shims, to suit above	16	5.75	92.00
valves	16	38.00	608.00
valve guides	16	27.90	446.40
valve seats	16	23.00	368.00
valve springs	16	32.00	512.00
valve spring caps, titanium	16	45.00	720.00
valve spring seats	16	21.00	336.00
cam pulleys, adjustable	4	220.00	880.00
cam belt tensioner bracket, billet	2	125.00	250.00
cam belt tensioner bearing, uprated	2	58.00	116.00
billet mains caps, L168 alloy	1 set	975.00	975.00
thread rolled M16 /M12 head studs (requires m/c to crankcase)	20	42.00	840.00
M12 head nuts and hard faced washers	20	8.50	170.00
dry sump pump	1	1,200.00	1,200.00
dry sump plumbing and fittings and mount plate	1 set	1,000.00	1,000.00
crank pulley and pump pulley for dry sump drive inc toothed belt	1 set	380.00	380.00
poly vee water pump pulley set inc belt	1 set	350.00	350.00
crank triggered mapped ignition system, incl ECU	1	2,500.00	2,500.00
billet distributor housing	2	730.00	1,460.00
lightweight steel flywheel EN24 integral ring gear for 7" or 5.5" clutch	1	575.00	575.00
thread rolled clutch housing studs (requires m/c to crankcase)	5	48.00	240.00
Components (non modified)			
shell bearings, big ends, mains, thrusts (std sizes, o/s are additional)	1 set	425.00	425.00
gasket and oil seal set, full set	1 set	615.00	615.00
cam drive bearings, inner, outer, left and right	1 set	56.00	56.00
cam belt	2	12.00	24.00
Gearbox;			
low ratio drop gear set	1 set	2,500.00	2,500.00
diff bearings	2	75.00	150.00
Chassis components;			
modified rear uprights with billet shafts uprated wheel bearings (exch)	2	2,100.00	4,200.00
360 upright modification set with tubular wishbones	car set	circa	10,500.00

big brake kit to suit 3600 upright kit	car set	circa	5,500.00
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Engine build options;

full competition engine build including dyno run-in and power runs	job	circa	9,950.00
standard spec engine rebuild with no load bench run and final checks	job	circa	5,500.00
standard spec engine rebuild including dyno run-in and power runs	job	circa	7,350.00
development engine (400 bhp plus) build additional hrs to above	per hr		55.00

Bodywork options;

308 GTB full body in component form, material polyester GRP		circa	12,000.00
308 GTB full body in clamshell form, material polyester GRP		circa	13,500.00
308 GTB full body in component form, material kevlar type aramide		circa	20,000.00

nb composite prices can vary with the cost of materials at the time of order

All prices are GBP, subject to VAT at 20%, and are FOB Burcot UK.