AC Ace and AC Aceca

Manufacturer: A.C. Class: D
Model: Ace and Aceca

DESCRIPTION:
2-Seater Roadster or Coupe
Aluminum Bodywork
Dry Weight: 1685 lbs

ENGINE:

Type	OHV 6 cyl in line
Bore & stroke	2.56” x 3.94”
Capacity	1991 cc
Comp ratio	8.5:1 or 9.0:1
Head material	Cast Iron
Port size	Intake: 1.375", Exhaust 1.25"
Piston material ...	Aluminum
Piston weight	10.75 oz
Timing data:	
Intake	Open 12-1/2°BTDC, Close 50°ABDC
Exhaust ...	Open 50°BBDC, Close 20°ATDC
Valve lift:	0.375"
Valve head dia:	
Intake	1.375"
Exhaust ...	1.25”
Valve spring	Inner 20 lbs, Outer 55 lbs
Carburation	Three SU #AUG.700

TRANSMISSION AND DRIVE TRAIN:

Ratios:

1	3.4		2.7
2	1.9	or	1.9
3	1.4		1.3
4	1.0		1.0

Final drive ratios: 3.64, 3.91, 4.1, 4.3

CHASSIS

Wheelbase	90”
Track dimension, front	50”
Track dimension, rear	50”
Shock absorber	Armstrong Tubular
Steering ratio	1 7/8 turns
Tire size	16"x5.50"/15"x5.50"

BRAKES LINING AREA

Front:	74.3" sq
Rear:	71.5" sq

APPROVED OPTIONAL EQUIPMENT

- Second ignition coil
- Second petrol pump
- Duplicated fuel line
- Oil cooler
- Disc brakes on front wheels (28.2" sq)
- Air straighteners on carburetors
- Sports exhaust manifold
- Heavy duty clutch
- Aluminum fuel tank
- Larger fuel tank (25 gal)
- Overdrive
- Extra leaf to road springs
  - 9 leaves in front
  - 8 leaves in rear

PCS62 AC Ace-Bristol and AC Aceca Bristol

AC Ace-Bristol and AC Aceca-Bristol

Manufacturer: A.C. Class: C
Model: Ace-Bristol and Aceca-Bristol

DESCRIPTION:

2-Seater Roadster or Coupe
Aluminum Bodywork
Dry Weight: 1685 lbs

ENGINE:

Type	OHV 6 cyl in line
Bore & stroke	2.59” x 3.78”
Capacity	1971 cc
Comp ratio	8.5:1 or 9.5:1
Head material	Aluminum
Port size	Intake: 1.250"±0.010", Exhaust 1.180"±0.010"
Piston material ...	Aluminum
Piston weight	8.5:1=11oz, 9.5:1=12oz
Timing data (engine hot):	
Intake	Open 32°BTDC, Close 42°ABDC
Exhaust ...	Open 42°BBDC, Close 32°ATDC
Valve lift:	0.343"
Valve head dia:	
Intake	1.540"±0.010"
Exhaust ...	1.31”
Valve spring	101.5±8 lbs @ 1.028"
Carburation	Three Solex 32 PBI 6

TRANSMISSION AND DRIVE TRAIN:

Ratios:

1	3.4		2.7
2	1.9	or	1.9
3	1.4		1.3
4	1.0		1.0

Final drive ratios: 3.64, 3.91, 4.1, 4.3

CHASSIS

Wheelbase	90”
Track dimension, front	50”
Track dimension, rear	50”
Shock absorber	Armstrong Tubular
Steering ratio	1 7/8 turns
Tire size	16"x5.50"/15"x5.50"

BRAKES	LINING AREA
Front:	74.3" sq
Rear:	71.5" sq

APPROVED OPTIONAL EQUIPMENT

- Second ignition coil
- Second petrol pump
- Duplicated fuel line
- Oil cooler
- Disc brakes on front wheels (28.2" sq)
- Air straighteners on carburetors
- Sports exhaust manifold
- Heavy duty clutch
- Aluminum fuel tank
- Larger fuel tank (25 gal)
- Overdrive
- Extra leaf to road springs
  - 9 leaves in front
  - 8 leaves in rear

PCS62 Alfa Romeo 2000 Spider

Alfa Romeo 2000 Spider

Manufacturer: Alfa Romeo Class: D
Model: 2000 Spider

DESCRIPTION:
2-Seater Roadster
Dry Weight: 2600 lbs

ENGINE: Type ..... DOHC 4 cyl in line
Bore & stroke ..... 84.5mm x 88mm
Capacity ..... 1975 cc
Comp ratio .....
Head material ..... Aluminum
Port size .....
Piston material ... Aluminum
Piston weight .....
Timing data:
Intake .... Open 31°48' BTDC, Close 78°56' ABDC
Exhaust ... Open 65°36' BBDC, Close 18°28' ATDC
Valve lift: .....
Valve head dia:
Intake ....
Exhaust ...
Valve spring .....
Carburation ..... Two Solex 44 PHH

TRANSMISSION AND DRIVE TRAIN:
Ratios:
1 3.958
2 1.985
3 1.352
4 1.0
5 0.854
Final drive ratios: 43/9

CHASSIS
Wheelbase ..... 98.4"
Track dimension, front ..... 55.1"
Track dimension, rear ..... 53.9"
Shock absorber ..... Telescopic
Steering ratio 16.2:1
Tire size ..... 165 x 40

APPROVED OPTIONAL EQUIPMENT

PCS62 Alfa Romeo Guilietta Sprint and Spider Veloce

Alfa Romeo Guilietta Sprint and Spider Veloce</title>

Manufacturer: Alfa Romeo Class: D
Model: Guilietta Sprint and Spider Veloce

DESCRIPTION:

2-Seater Roadster or Coupe
Dry Weight: 1809 lbs Spider, 1970 lbs Sprint

ENGINE:

Type	DOHC 4 cyl in line
Bore & stroke	74mm x 75mm
Capacity	1290 cc
Comp ratio	10:1
Head material	Aluminum Alloy
Port size	Intake: 32mm, Exhaust 29mm
Piston material ...	Aluminum Alloy
Piston weight	0.35 kg
Timing data:	
Intake	Open 34° BTDC, Close 63° ABDC
Exhaust ...	Open 63° BBDC, Close 30° ATDC
Valve lift:	8.5mm
Valve head dia:	
Intake	37mm
Exhaust ...	34mm
Valve spring	35 kg
Carburation	Two Weber 40 DCOE

TRANSMISSION AND DRIVE TRAIN:

Ratios:

1	3.258
2	1.985
3	1.357
4	1.0
5	0.854 (optional)

Final drive ratios: 4.1 (41/10), 4.55 (41/9), 5.12 (41/8)

CHASSIS

Wheelbase	2380mm (Sprint), 2250mm (Spider)
Track dimension, front	1292mm
Track dimension, rear	1270mm
Shock absorber	Telescopic
Steering ratio	15.5:1
Tire size	155 x 15

APPROVED OPTIONAL EQUIPMENT

Limited-slip differential (1365-32775)
5-speed gearbos(10120-13-001-00)
Front springs (10107-21-505-00)

Rear springs (10107-25-510-00)
Competition fan blades (1315-61003M)
Flywheel (1315-23705M)
Cylinder head (1315-12715)

Alfa Romeo Guilietta Sprint and Spider

Manufacturer: Alfa Romeo Class: G
Model: Guilietta Sprint and Spider

DESCRIPTION:
2-Seater Roadster or Coupe
Dry Weight: 1809 lbs Spider, 1970 lbs Sprint

ENGINE:

Type	DOHC 4 cyl in line
Bore & stroke	74mm x 75mm
Capacity	1290 cc
Comp ratio	9.2:1
Head material	Aluminum Alloy
Port size	Intake: 32mm, Exhaust 29mm
Piston material ...	Aluminum Alloy
Piston weight	
Timing data:	
Intake	Open 25°20' BTDC, Close 68°ABDC
Exhaust ...	Open 61°20' BBDC, Close 18°40' ATDC
Valve lift:	8mm
Valve head dia:	
Intake	37mm
Exhaust ...	34mm
Valve spring	35 kg
Carburation	One Solex 35 APAI-G

TRANSMISSION AND DRIVE TRAIN:

Ratios:

1	3.258
2	1.985
3	1.352
4	1.0

Final drive ratios: 4.1 (41/10), 4.55 (41/9), 5.12 (41/8)

CHASSIS

Wheelbase	2380mm (Sprint), 2250mm (Spider)
Track dimension, front	1292mm
Track dimension, rear	1270mm
Shock absorber	Telescopic
Steering ratio	15.5:1
Tire size	155 x 15

APPROVED OPTIONAL EQUIPMENT
Limited-slip differential (1365-32775)
Front springs (101-07-21-500-00)
Rear springs (101-07-25-510-00)

Competition fan blades (1315-61003-M)
Distributor (1315-55411)
Flywheel (1315-23705M)
Cylinder head (1315-12712)

PCS62 Alfa Romeo Guilietta Sprint Speciale and Sprint Zagato
Alfa Romeo Guilietta Sprint Speciale and Sprint Zagato</title>

Manufacturer: Alfa Romeo Class: C
Model: Guilietta Sprint Speciale and Sprint Zagato

DESCRIPTION:

2-Seater Coupe
Dry Weight: 1892 lbs Speciale, 1710 lbs Zagato

ENGINE:

Type	DOHC 4 cyl in line
Bore & stroke	74mm x 75mm
Capacity	1290 cc
Comp ratio	10:1
Head material	Aluminum Alloy
Port size	Intake: 32mm, Exhaust 29mm
Piston material ...	Aluminum Alloy
Piston weight	0.35 kg
Timing data:	
Intake	Open 46° BTDC, Close 65° ABDC
Exhaust ...	Open 65° BBDC, Close 34° ATDC
Valve lift:	8.5mm
Valve head dia:	
Intake	37mm
Exhaust ...	34mm
Valve spring	35 kg
Carburation	Two Weber 40 DCOE

TRANSMISSION AND DRIVE TRAIN:

Ratios:

1	3.258
2	1.985
3	1.357
4	1.0
5	0.854

Final drive ratios: 41/10, 41/9, 41/8

CHASSIS

Wheelbase	89"
Track dimension, front	51"
Track dimension, rear	50"
Shock absorber	Telescopic
Steering ratio	
Brakes	Finned Aluminum Drums
Tire size	155 x 15

APPROVED OPTIONAL EQUIPMENT

Crankshaft (1315-14701)
Connecting Rods (1315-16710)

PCS62 Alfa Romeo Guilietta Sprint Speciale and Sprint Zagato
Cylinder Block (10120-01-010-03)
Cylinder Head (1315-12715)
Flywheel (1315-23705M)
Limited-slip differential (1365-32775)

PCS62 Arnolt-Bristol Bolide

Arnolt-Bristol Bolide</title>

Manufacturer: Arnolt-Bristol Class: C
Model: Bolide

DESCRIPTION:
2 Seater open roadster
Steel and aluminum bodywork
Dry Weight: 2000 lb

ENGINE: Type ..... OHV 6 cyl in line
Bore & stroke ..... 66mm x 96mm
Capacity ..... 1971 cc
Comp ratio 9.0:1, 9.5:1, 10.0:1
Head material ..... Aluminum Alloy
Port size ..... Intake: 1.25", Exhaust 1.25"
Piston material ... Aluminum Alloy
Piston weight ..... 288.976 grams
Timing data:
Intake .... Open 40° BTDC, Close 80° ABDC
Exhaust ... Open 80° BBDC, Close 40° ATDC
Valve lift: ..... 0.343"
Valve head dia:
Intake .... 1.532"
Exhaust ... 1.308"
Valve spring .....
Carburation ..... Three Solex 32 BI

TRANSMISSION AND DRIVE TRAIN:
Ratios:

1	11.4	
2	7.12	
3	5.04	- Using 3.90:1 rear axle
4	3.90	
5		

Final drive ratios: 3.545=39/11, 3.7:1=37/10, 3.9=39/10, 4.22=38/9

CHASSIS
Wheelbase ..... 96.25"
Track dimension, front ..... 51.86"
Track dimension, rear ..... 54"
Shock absorber ..... Telescopic
Steering ratio 8/25
Brakes .....
Tire size ..... 5.50 x 16

APPROVED OPTIONAL EQUIPMENT
Anti-sway bar for front end

Remote control gear shift
Counter balanced crankshaft
Viscous dampener
Enlarged oil pan
Aluminum-iron brake drums
12" front brake
Knock-off wheels and hubs
Front disc brakes
Micrometer torsion bar adjuster

PCS62 Aston Martin DB2 (1950-1954) DB2-4 Mk I
Aston Martin DB2 (1950-1954) DB2-4 Mk I</title>

Manufacturer: Aston Martin Class: B
Model: DB2 (1950-1954) DB2-4 Mk I

DESCRIPTION:
2-4 Seater Coupe
Dry Weight: (not spec'd)

ENGINE: Type ..... DOHC 6 cyl in line
Bore & stroke ..... 78mm x 90mm
Capacity ..... 2580 cc
Comp ratio 6.5:1, 8.2:1
Head material ..... Cast Iron
Port size ..... Intake: 1.5", Exhaust 1.7"
Piston material ... Aluminum Alloy
Piston weight ..... 14.25 oz
Timing data:
Intake .... Open 18° or 14° BTDC, Close (not spec'd)° ABDC
Exhaust ... Open 8° or 10° BBDC, Close (not spec'd)° ATDC
Valve lift: ..... 0.344"
Valve head dia:
Intake .... 1.515"
Exhaust ... 1.365"
Valve spring ..... Intake: 41.4 lb/in, Exhaust 103.8 lb/in
Carburation ..... Two SU H4 Thermo 556

TRANSMISSION AND DRIVE TRAIN:
Ratios:

1	2.92		2.92
2	1.96		1.87
3	1.33	or	1.26
4	1.00		1.00
5			

Final drive ratios: 3.50:1=35/10, 3.73:1=41/11,
3.77/1=49/13, 4.1:1=37/9

CHASSIS
Wheelbase ..... (not spec'd)
Track dimension, front ..... 54"
Track dimension, rear ..... 54"
Shock absorber ..... Telescopic
Steering ratio 14.5:1
Brakes .....
Tire size ..... 6.00 x 16

APPROVED OPTIONAL EQUIPMENT
Two SU H6 Thermo 571 carburators

PCS62 Aston Martin DB2 (1950-1954) DB2-4 Mk I
Three Weber 35 DCO or 36 DCF carburators

PCS62 Aston Martin DB2-4 Mk I and Mk II

Aston Martin DB2 -4 Mk I and Mk II</title>

Manufacturer: Aston Martin Class: B
Model: DB2-4 Mk I and Mk II

DESCRIPTION:

2-4 Seater Coupe
Dry Weight: 2594 lbs

ENGINE:

Type	DOHC 6 cyl in line
Bore & stroke	83mm x 90mm
Capacity	2922 cc
Comp ratio	8.2:1 or 8.7:1
Head material	Cast Iron
Port size	Intake: 1.5", Exhaust 1.7"
Piston material ...	Aluminum Alloy
Piston weight	14.25 oz
Timing data:	
Intake	Open 10° BTDC, Close (not spec'd)° ABDC
Exhaust ...	Open 10° BBDC, Close (not spec'd)° ATDC
Valve lift:	0.344" or 3.75"
Valve head dia:	
Intake	1.515"
Exhaust ...	1.365"
Valve spring	Intake: 41.4 lb/in, Exhaust 103.8 lb/in
Carburation	Two SU H6 701

TRANSMISSION AND DRIVE TRAIN:

Ratios:

1	2.92		2.92
2	1.96		1.87
3	1.33	or	1.26
4	1.00		1.00
5			

Final drive ratios: 3.31:1=43/13,3.50:1=35/10,3.53:1=46/13,3.73:1=41/11,
3.77:1=49/13,4.09:1=45/11,4.10:1=37/9,4.27:1=47/11

CHASSIS

Wheelbase	(not spec'd)
Track dimension, front	54"
Track dimension, rear	54"
Shock absorber	Telescopic
Steering ratio	14.5:1
Brakes	12 in Drums, Lining area = 174 in sq
Tire size	6.00 x 16

APPROVED OPTIONAL EQUIPMENT

Larger valves (cyl head conversion VB6L/1)
Three Weber 35 DCO carburators

PCS62 Aston Martin DB2-4 Mk III

Aston Martin DB2-4 Mk III</title>

Manufacturer: Aston Martin Class: B
Model: DB2-4 Mk III

DESCRIPTION:

2-4 Seater Coupe or Convertible
Aluminum Bodywork
Dry Weight: 2800 lbs

ENGINE:

Type	DOHC 6 cyl in line
Bore & stroke	83mm x 90mm
Capacity	2922 cc
Comp ratio	8.2:1, 8.7:1, 9.2:1
Head material	Cast Iron
Port size	Intake: 1.5", Exhaust 1.7"
Piston material ...	Aluminum Alloy
Piston weight	14.25 oz
Timing data:	
Intake	Open 10° BTDC, Close (not spec'd)° ABDC
Exhaust ...	Open 10° BBDC, Close (not spec'd)° ATDC
Valve lift:	0.375" or 0.435"
Valve head dia:	
Intake	1.675"
Exhaust ...	1.575"
Valve spring	Intake: 41.4 lb/in, Exhaust 103.8 lb/in
Carburation	Two SU H6 701

TRANSMISSION AND DRIVE TRAIN:

Ratios:

1	2.92		2.92
2	1.96		1.87
3	1.33	or	1.26
4	1.0		1.00
5			

Final drive ratios: 3.31:1=43/13, 3.54:1=46/13,3.77/1=49/13
4.09:1=45/11, 4.27:1=47/11

CHASSIS

Wheelbase	(not spec'd)
Track dimension, front	54"
Track dimension, rear	54"
Shock absorber	Telescopic
Steering ratio	14.5:1
Brakes	Front Disc, Rear Al-fin (12" x 1-1/4")
Tire size	600 x 16

APPROVED OPTIONAL EQUIPMENT

- Oil cooler radiator
- Laycock de Normaanville O.D.
- Larger fuel tank (33.6 U.S. gal)
- Large filler
- Three Weber 35DCO Carburators

Aston Martin DB4 GT

Manufacturer: Aston Martin Class: A
Model: DB4 GT

DESCRIPTION:

2-4 Seater Coupe
Aluminum-Magnesium Bodywork
Dry Weight: 2530 lbs

ENGINE:

Type	DOHC 6 cyl in line
Bore & stroke	92mm x 92mm (3.622" x 3.622")
Capacity	3670 cc (223.8")
Comp ratio	9.0:1
Head material	Aluminum Alloy
Port size	Intake: 1.7", Exhaust 1.65"
Piston material ...	Aluminum Alloy
Piston weight	1.68 lbs with rings and pin
Timing data:	
Intake	Open 47-1/2° BTDC, Close 69-1/2° ABDC
Exhaust ...	Open 66° BBDC, Close 41° ATDC
Valve lift:	0.45"
Valve head dia:	
Intake	2.010"
Exhaust ...	1.875"
Valve spring	Inner: 25.5 lb fitted, Outer: 64 lb fitted
Carburation	Three Weber 45 DCOE 4

TRANSMISSION AND DRIVE TRAIN:

Ratios:

1	2.49
2	1.74
3	1.25
4	1.00
5	

Final drive ratios: 2.93, 3.31, 3.54, 3.77, 4.09

CHASSIS

Wheelbase	(not spec'd)
Track dimension, front	(not spec'd)
Track dimension, rear	(not spec'd)
Shock absorber	Front: Telescopic, Rear: Lever
Steering ratio	14:1
Brakes	Disc (Girling)
Tire size	6.00 x 16

APPROVED OPTIONAL EQUIPMENT

Aston Martin DB4

Manufacturer: Aston Martin Class: B
Model: DB4

DESCRIPTION:
2-4 Seater Coupe
Dry Weight: 2880 lbs

ENGINE: Type ..... DOHC 6 cyl in line
Bore & stroke ..... 92mm x 92mm (3.622" x 3.622")
Capacity ..... 3670 cc (223.8")
Comp ratio 8.25:1
Head material ..... Aluminum Alloy
Port size ..... Intake: 1.325", Exhaust 1.65"
Piston material ... Aluminum Alloy
Piston weight ..... 1.8 lbs
Timing data:
Intake .... Open 28° BTDC, Close 58° ABDC
Exhaust ... Open 62° BBDC, Close 22° ATDC
Valve lift: ..... Intake: 0.45", Exhaust: 0.425"
Valve head dia:
Intake .... 1.875"
Exhaust ... 1.710"
Valve spring ..... Inner: 9.8 lb fitted, Outer: 44.5 lb fitted
Carburation ..... Two SU/HD8

TRANSMISSION AND DRIVE TRAIN:
Ratios:
1 2.49
2 1.74
3 1.25
4 1.00
5
Final drive ratios: 3.31:1=43/13, 3.54:1=46/13,3.77/1=49/13

CHASSIS
Wheelbase ..... 98"
Track dimension, front ..... 54"
Track dimension, rear ..... 53.5"
Shock absorber ..... Telescopic
Steering ratio 14:1
Brakes ..... Brake lining area: 491 in sq
Tire size ..... 6.00 x 16

APPROVED OPTIONAL EQUIPMENT
Power-Loc differential

Oil cooler
Three Weber Dual Horizontal Carburators

Austin Healey 100-6 BN4, BN6

Manufacturer: Austin Healey Class: E
Model: 100-6 BN4, BN6

DESCRIPTION:

2-4 Seater Roadster
Dry Weight: 2435 lbs

ENGINE:

Type	OHV 6 cyl in line
Bore & stroke	3.125" x 3.5"
Capacity	2639 cc
Comp ratio	8.25:1, 9.5:1
Head material	Cast Iron
Port size	Intake: 1.380", Exhaust 1.193"
Piston material ...	Aluminum Alloy
Piston weight	
Timing data:	
Intake	Open 5° BTDC, Close 45° ABDC
Exhaust ...	Open 40° BBDC, Close 10° ATDC
Valve lift:	0.356"
Valve head dia:	
Intake	1.693"
Exhaust ...	1.420"
Valve spring	Inner: 30 lb fitted, Outer: 60.5 fitted
Carburation	Two SU H4

TRANSMISSION AND DRIVE TRAIN:

Ratios:

1	3.077	3.077	
2	1.913	1.913	
3	1.333	1.333	(OD 1.034)
4	1.00	1.00	(OD 0.778)
5			

Final drive ratios: 3.9:1, 4.1:1, 4.3:1, 4.8:1

CHASSIS

Wheelbase	92"
Track dimension, front	48.75"
Track dimension, rear	50"
Shock absorber	Lever
Steering ratio	14.1:1
Brakes	
Tire size	5.90 x 15, 6.00 x 15

APPROVED OPTIONAL EQUIPMENT

6 port head

Disc brakes (H.8249)
High lift camshaft (H.8339)
Competition clutch (H.8255/6)
25 gal or 15 gal gas tank
Cold air box (H.8427)
Large capacity sump (H.8416)
9.5:1 pistons (H.8417)
Lightweight flywheel (H.8257)
Cold air box (H.8427)
Stiff frong spring (H.8422)
Modified exhaust system (H.8251)
Anti-roll bar (H.8275)
Wire Wheels (60 spoke - AHH 8000/8001)
Oil cooler (AJA-5291)
Limited slip differential (HAC-25)

PCS62 Austin Healey 3000 and 3000 Mk II

Austin Healey 3000 and 3000 Mk II

Manufacturer: Austin Healey Class: D
Model: 3000 and 3000 Mk II

DESCRIPTION:

2-4 Seater Roadster
Steel and Aluminum Body
Dry Weight: 2-Seater 2381 lb, 4-Seater 2880 lbs

ENGINE:

Type	OHV 6 cyl in line
Bore & stroke	83.6mm x 88.9mm
Capacity	2912 cc
Comp ratio	9.3:1, 9.6:1
Head material	Cast Iron
Port size	Intake: 1.325", Exhaust 1.65"
Piston material ...	Aluminum Alloy
Piston weight	1 lb 5 oz 11 drams complete
Timing data:	
Intake	Open 5°,16°,5° BTDC, Close 45°,56°,45° ABDC
Exhaust ...	Open 40°,51°,51° BBDC, Close 10°,21°,21° ATDC
Valve lift:	0.314" or 0.356"
Valve head dia:	
Intake	1.75"
Exhaust ...	1.56"
Valve spring	Inner: 26 lb, Outer: 55.7 lb, fitted & closed
Carburation	Two SU/HD6

TRANSMISSION AND DRIVE TRAIN:

Ratios:

1	2.93	2.413
2	2.053	1.722
3	1.039	1.195
4	1.00	1.00
5		

Final drive ratios: 3.545:1, 3.909:1, 4.1:1, 4.3:1, 4.8:1

CHASSIS

Wheelbase	91.23"
Track dimension, front	48.75"
Track dimension, rear	50"
Shock absorber	Lever
Steering ratio	15:1
Brakes	
Tire size	5.90 x 15

APPROVED OPTIONAL EQUIPMENT

Camshafts (AEC865 or (690/1223)
Valve Springs (1G 2887)
SU HD8 Carburators (AUC 938)
3 x SU 2" Carburators and manifold
25 gal or 15 gal gas tank
Cold air box (H.8427)
Large Sump (H.8427)
Front springs (1H.4092) or (1H.4055)
Rear sprints (H.8776)
Anti Roll Bar (H.8275)
Oil Cooler (AJA.5291)
Wire Wheels (60 spoke - AHH 8000/8001)
Overdrive
Flare pipes on carburator
Distributor (LT 17001)
Rear disc brake kit (H.8462)
Additioal front dampers-telescopic (H.8792)
Close ratio gear box (H.8794)
Light-weight seats (Q.2609)
Limited slip differential (HAC-25)

PCS62 Austin Healey BN1, BN2

Austin Healey BN1, BN2

Manufacturer: Austin Healey Class: E
Model: BN1, BN2

DESCRIPTION:
2-Seater Roadster
Dry Weight: 2176 lbs

ENGINE: Type ..... OHV 4 cyl in line
Bore & stroke ..... 3.4375" x 4.375"
Capacity ..... 2660 cc
Comp ratio 7.5:1
Head material ..... Cast Iron
Port size ..... Intake: 1.5", Exhaust 1.25"
Piston material ... Aluminum Alloy
Piston weight ..... 1 lb 8 oz 14 drms, complete
Timing data:
Intake .... Open 5°BTDC or 10°BTDC or 45° BBDC
Close 45°ABDC 50°ABDC 15° ATDC
Exhaust ... Open 40° BBDC, Close 10° ATDC
Valve lift: ..... 0.39"
Valve head dia:
Intake .... 1.725"/1.730"
Exhaust ... 1.415"/1.420"
Valve spring ..... Inner: 22.5 lb fitted, Outer: 6 lb5 fitted
Carburation ..... Two SU H4

TRANSMISSION AND DRIVE TRAIN:

Ratios:	BN1		BN2
1	2.25	2.25	3.077
2	1.47 (od 1.034)	1.42 (od 1.103)	1.913
3	1.00 (od 0.756)	1.00 (od 0.778)	1.333 (od 1.034)
4			1.00 (od 0.778)
5			

Final drive ratios: 3.667:1,3.909:1, 4.10:1, 4.125:1,4.3:1, 4.8:1

CHASSIS
Wheelbase ..... 90"
Track dimension, front ..... 48.75"
Track dimension, rear ..... 50"
Shock absorber ..... Lever
Steering ratio 12.6:1,14.7:1
Brakes .....
Tire size ..... 5.90 x 15

APPROVED OPTIONAL EQUIPMENT
Le mans Kit (P.281)--includes:

HD Valve springs (1B.2814)
HD Valve springs (1B.2813)
1-3/4" Carburetors
Cold air box (7H.1724)
Hi-lift camshaft (1B.2892)
Dist. spec. adv. curve (7H.1727)
HD rear springs (1B.8929)
HD anti-roll bar (7H.1721)
HD front shocks (1B.8935)
HD front springs (H.8422)
25 gal or 15 gal gas tank
Overdrive
Alfin brake drums
Disc brake kit (H.8249)
Competition clutch (H.8255/6)
Wire Wheels (60 spoke - AHH 8000/8001)
Oil cooler (AJA-5291)
Le Mans type hi-comp pistons
Limited slip differential (HAC-25)

Austin Healey Sprite (thru 1961)

Manufacturer: Austin Healey Class: G and H
Model: Sprite (thru 1961)

DESCRIPTION:
2-Seater Roadster
Dry Weight: 1408 lbs

ENGINE: Type ..... BMC Type A OHV 4 cyl in line
Bore & stroke ..... 63mm x 76mm
Capacity ..... 948 cc
Comp ratio 8.3:1
Head material ..... Cast Iron
Port size ..... Intake: 1.125", Exhaust 1-13/16" x 1.0"
Piston material ... Aluminum
Piston weight .....
Timing data:
Intake .... Open 5°BTDC, Close 45°ABDC
Exhaust ... Open 40° BBDC, Close 10° ATDC
Valve lift: ..... 0.28"
Valve head dia:
Intake .... 1-3/32"
Exhaust ... 1.0"
Valve spring ..... 52 lb @ 1.2968", 85 lb @ 1.012"
Carburation ..... Two SU H1

TRANSMISSION AND DRIVE TRAIN:
Ratios:

1	3.628	3.0
2	2.374	1.99
3	1.412	1.35
4	1.0	1.0
5		

Final drive ratios: 3.73:1, 4.22:1, 4.55:1, 5.375

CHASSIS
Wheelbase ..... 80"
Track dimension, front ..... 45-1/4"
Track dimension, rear ..... 44-3/4"
Shock absorber ..... Lever
Steering ratio ..... 2-1/3 turns
Brakes ..... Area 67.5 in sq
Tire size ..... 5.20 x 13

APPROVED OPTIONAL EQUIPMENT (Class G & H - H only allowed this equipment)
Close ratio gear box (Q.2354)

Anti-roll bar (Q.2315)
Large sump (Q.2341)
Front springs (Q.2334)
Rear springs (Q.2335) or (AHA5468)
Fuel tank (Q.2336)
Exhaust mainifold (Q.2345) or (AHA5448)
Electric fuel pump (H.3592)(AUA-56)

APPROVED OPTIONAL EQUIPMENT (Class G only -- prohibited in class H)

Competition exhaust system (Q.234/2347)
Crankshaft-Sebring type (Q.262/2629)
Crankshaft (AEA 440)
Alfin brake drums (Q.2491)
8" front brakes (Q.2353)
Disc brakes (Q.2337, Q.2549, Q.2552)
Pistons (2A.946)
Valve springs (2A.950, AEA401)
2 x 1-1/4" SU carburetors (Q.2343)
2 x 1-1/2" SU carburetors (Q.2504/5)
Manifold (Q.2344)
Cylinder head (Q.2302)
Oil cooler (Q.2342)
Cold air box (Q.2350)
Polished connecting rods (Q.2346)
Flywheel (Q.2348) or (AEA 408)
Clutch (Q.2349) or (AEJ 31)
Distributor (2A.951)
Light weight seats (Q.2609)
Wire wheels (Q.2424/31)
Large inlet valves (Q.2494)
Large exhaust valves (Q.2495)
Exhaust valves (AEA 400)
Camshaft (2A.948) In open 16°BTDC, close 56°ABDC; lift 0.31"
Ex open 51°BBDC, close 21°ATDC; clearance 0.015"
Camshaft (Q.2629) In open 20°BTDC, close 80°ABDC; lift 0.38"
Ex open 50°BBDC, close 50°ATDC; clearance 0.015"
Cylinder head Mk II
Double valve springs (Q.2628)
Limited slip differential (HAC23)
Blanking sleeve (11G176)
Valve spring collars (AEA 402-432)

PCS62 Austin Healey Sprite Mk II

Austin Healey Sprite Mk II

Manufacturer: Austin Healey Class: G
Model: Sprite Mk II

DESCRIPTION:

2-Seater Roadster
Dry Weight: 1280 lbs

ENGINE:

Type	BMC Type A OHV 4 cyl in line
Bore & stroke	63mm x 76mm
Capacity	948 cc
Comp ratio	9:1
Head material	Cast Iron
Port size	Intake: 26mm, Exhaust 25mm
Piston material ...	Aluminum
Piston weight	
Timing data:	
Intake	Open 5°BTDC, Close 45°ABDC
Exhaust ...	Open 51° BBDC, Close 21° ATDC
Valve lift:	7.97mm
Valve head dia:	
Intake	29.36mm
Exhaust ...	25.4mm
Valve spring	52 lb @ 1.2968", 85 lb @ 1.012"
Carburation	Two SU H2

TRANSMISSION AND DRIVE TRAIN:

Ratios:

1	3.2
2	1.916
3	1.357
4	1.0
5	

Final drive ratios: 3.73:1, 3.909:1, 4.22:1, 4.55:1, 4.875:1, 5.375:1

CHASSIS

Wheelbase	80"
Track dimension, front	45-1/4"
Track dimension, rear	44-3/4"
Shock absorber	Lever
Steering ratio	2-1/3 turns
Brakes	
Tire size	5.20 x 13

APPROVED OPTIONAL EQUIPMENT

Close ratio gear box (Q.2354)

Anti-roll bar (Q.2315)
Large sump (Q.2341)
Front springs (Q.2334)
Rear springs (Q.2335) or (AHA5468)
Fuel tank (Q.2336)
Exhaust mainifold (Q.2345) or (AHA5448)
Electric fuel pump (H.3592)(AUA-56)
Competition exhaust system (Q.234/2347)
Crankshaft-Sebring type (Q.262/2629)
Crankshaft (AEA 440)
Alfin brake drums (Q.2491)
8" front brakes (Q.2353)
Disc brakes (Q.2337, Q.2549, Q.2552)
Pistons (2A.946)
Valve springs (2A.950, AEA401)
2 x 1-1/4" SU carburetors (Q.2343)
2 x 1-1/2" SU carburetors (Q.2504/5)
Manifold (Q.2344)
Cylinder head (Q.2302)
Oil cooler (Q.2342)
Cold air box (Q.2350)
Polished connecting rods (Q.2346)
Flywheel (Q.2348) or (AEA 408)
Clutch (Q.2349) or (AEJ 31)
Distributor (2A.951)
Light weight seats (Q.2609)
Wire wheels (Q.2424/31)
Large inlet valves (Q.2494)
Large exhaust valves (Q.2495)
Exhaust valves (AEA 400)
Camshaft (2A.948) In open 16°BTDC, close 56°ABDC; lift 0.31"
Ex open 51°BBDC, close 21°ATDC; clearance 0.015"
Camshaft (Q.2629) In open 20°BTDC, close 80°ABDC; lift 0.38"
Ex open 50°BBDC, close 50°ATDC; clearance 0.015"
Cylinder head Mk II
Double valve springs (Q.2628)
Limited slip differential (HAC23)
Blanking sleeve (11G176)
Valve spring collars (AEA 402-432)

Auto Union 1000 SP

Manufacturer: Auto Union Class: H
Model: 1000 SP

DESCRIPTION:
2-Seater Coupe
Dry Weight: 20900 lbs

ENGINE: Type ..... 2-stroke 3 cyl in line
Bore & stroke ..... 74mm x 76mm
Capacity ..... 980 cc
Comp ratio 8:1
Head material ..... Aluminum
Port size .....
Piston material ... Aluminum
Piston weight .....
Timing data:
Intake ....
Exhaust ...
Valve lift: .....
Valve head dia:
Intake ....
Exhaust ...
Valve spring .....
Carburation ..... Zenith 32 NDX

TRANSMISSION AND DRIVE TRAIN:
Ratios:

1	16.71
2	9.71
3	5.73
4	4.0
5	

Final drive ratios: 4.375:1 = 35/8

CHASSIS
Wheelbase ..... 92"
Track dimension, front ..... 50"
Track dimension, rear ..... 53"
Shock absorber .....
Steering ratio .....
Brakes ..... 110.2 in sq
Tire size ..... 155 x 15

APPROVED OPTIONAL EQUIPMENT

Auto Union 1000 SP

Manufacturer: Auto Union Class: H
Model: 1000 SP

DESCRIPTION:
2-Seater Coupe
Dry Weight: 20900 lbs

ENGINE: Type ..... 2-stroke 3 cyl in line
Bore & stroke ..... 74mm x 76mm
Capacity ..... 980 cc
Comp ratio 8:1
Head material ..... Aluminum
Port size .....
Piston material ... Aluminum
Piston weight .....
Timing data:
Intake ....
Exhaust ...
Valve lift: .....
Valve head dia:
Intake ....
Exhaust ...
Valve spring .....
Carburation ..... Zenith 32 NDX

TRANSMISSION AND DRIVE TRAIN:
Ratios:

1	16.71
2	9.71
3	5.73
4	4.0
5	

Final drive ratios: 4.375:1 = 35/8

CHASSIS
Wheelbase ..... 92"
Track dimension, front ..... 50"
Track dimension, rear ..... 53"
Shock absorber .....
Steering ratio .....
Brakes ..... 110.2 in sq
Tire size ..... 155 x 15

APPROVED OPTIONAL EQUIPMENT

Berkeley B.95

Manufacturer: Berkeley Class: G
Model: B.95

DESCRIPTION:

2-Seater Fiberglass Roadster
Dry Weight: 924 lbs

ENGINE:

Type	2 cyl 4 stroke
Bore & stroke	70mm x 90mm
Capacity	692 cc
Comp ratio	7.25:1
Head material	Aluminum Alloy
Port size	Intake: 34.9mm, Exhaust 31.8mm
Piston material ...	Aluminum Alloy
Piston weight	255.15 grams w/rings
Timing data:	
Intake	Open 30° BTDC, Close 60° ABDC
Exhaust ...	Open 75° BBDC, Close 35° ATDC
Valve lift:	0.3125"
Valve head dia:	
Intake	39.7mm
Exhaust ...	34.9mm
Head thickness	1-11/64" Combusition chamber depth in cyl head
Valve spring	
Carburation	One Amal 375/41

TRANSMISSION AND DRIVE TRAIN:

Ratios:

1	13.7	14.41	15.14	13.0	13.0
2	8.62	9.06	9.52	7.79	8.20
3	5.59	6.25	6.57	5.38	5.66
4	4.31	4.53	4.76	4.30	4.59
5					

Final drive ratios: 2.23:1, 2.35:1, 2.47:1

CHASSIS

Wheelbase	70"
Track dimension, front	42.25"
Track dimension, rear	42"
Shock absorber	Combined spring-damper
Steering ratio	10.9:1
Brakes	65 in sq
Tire size	5.20 x 12

APPROVED OPTIONAL EQUIPMENT

```
        Twin SU float chambers
        Additional air outlets
        7-1/2, 9, 11 gal fuel tanks
</pre>
</body>
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Berkeley B.105

Manufacturer: Berkeley Class: G
Model: B.105

DESCRIPTION:
2-Seater Fiberglass Roadster
Dry Weight: 924 lbs

ENGINE:
Type ..... 2 cyl 4 stroke
Bore & stroke ..... 70mm x 90mm
Capacity ..... 692 cc
Comp ratio 8:1
Head material ..... Aluminum Alloy
Port size ..... Intake: 34.9mm, Exhaust 31.8mm
Piston material ... Aluminum Alloy
Piston weight ..... 255.15 grams w/rings
Timing data:
Intake .... Open 24° BTDC, Close 73° ABDC
Exhaust ... Open 83° BBDC, Close 35° ATDC
Valve lift: .....
Valve head dia:
Intake 39.7mm
Exhaust ... 34.9mm
Head thickness .... 1-11/64" Combusition chamber depth in cyl head
Valve spring .....
Carburation ..... One Amal 10/TT/9

TRANSMISSION AND DRIVE TRAIN:
Ratios:

1	13.7	14.41	15.14	13.0	13.0
2	8.62	9.06	9.52	7.79	8.20
3	5.59	6.25	6.57	5.38	5.66
4	4.31	4.53	4.76	4.30	4.59
5					

Final drive ratios: 2.23:1, 2.35:1, 2.47:1

CHASSIS
Wheelbase ..... 70"
Track dimension, front ..... 42.25"
Track dimension, rear ..... 42"
Shock absorber ..... Combined spring-damper
Steering ratio 10.9:1
Brakes ..... 65 in sq
Tire size ..... 5.20 x 12

APPROVED OPTIONAL EQUIPMENT

Twin SU float chambers
Additional air outlets
7-1/2, 9, 11 gal fuel tanks

PCS62 Berkeley Sports 492 cc

Berkeley Sports 492 cc

Manufacturer: Berkeley Class: E
Model: Sports 492 cc

DESCRIPTION:

2-Seater Roadster
Fiberglass Body
Dry Weight: 867 lbs

ENGINE:

Type	3 cyl 2 stroke
Bore & stroke	58mm x 62mm
Capacity	492 cc
Comp ratio	7.4:1 up to 9.87:1
Head material	Aluminum Alloy
Port size	Intake: 1-1/8"x11/16", Exhaust 1-5/16"
Piston material	Aluminum Alloy
Piston weight	5 oz
Timing data:	2 Stroke
Carburation	3 x Amal 376/9

TRANSMISSION AND DRIVE TRAIN:

Ratios: Sprocket tooth	17(std)	15	16	18
1	15.1	17.4	16.3	14.5
2	9.12	10.3	9.7	8.6
3	6.33	7.15	6.7	5.96
4	4.61	5.22	4.9	4.35
5				

Final drive ratios: 2.23:1

CHASSIS

Wheelbase	70"
Track dimension, front	44"
Track dimension, rear	44"
Shock absorber	Girling or Armstrong
Steering ratio	2-1/4 turns
Brakes	
Tire size	5.20 x 12

APPROVED OPTIONAL EQUIPMENT

Electric fuel pump
Swill pot attachment for carburators
Rear mounted fuel tank
Super sports pistons
Additional hood air outlets

BMW 507

Manufacturer: BMW Class: C
Model: 507

DESCRIPTION:
2-Seater Roadster or Coupe
Dry Weight: 2816 lbs

ENGINE: Type V8
Bore & stroke ..... 82mm x 75mm
Capacity ..... 3146 cc
Comp ratio 8:1
Head material ..... Aluminum
Port size ..... Intake: 30.5mm dia, Exhaust: 32.0mm dia
Piston material ... Aluminum
Piston weight ..... 0.560 Kg
Timing data:
Intake .... Open 38° BTDC, Close 73° ABDC
Exhaust ... Open 73° BBDC, Close 38° ATDC
Valve lift: 8mm
Valve head dia:
Intake 42mm
Exhaust ... 38mm
Valve spring 67.2Kg
Carburation ..... Zenith NDIX 32

TRANSMISSION AND DRIVE TRAIN:
Ratios:
1 3.39
2 2.07
3 1.36
4 1.00
5
Final drive ratios: 3.4=41/12, 3.7=37/10, 3.9=39/10

CHASSIS
Wheelbase 2480mm
Track dimension, front 1445mm
Track dimension, rear 1425mm
Shock absorber 1425mm
Steering ratio 16.3:1
Brakes .....
Tire size ..... 6.00 x 16

APPROVED OPTIONAL EQUIPMENT

Chevrolet Corvette 1953-1954

Manufacturer: Chevrolet Class: B
Model: Corvette 1953-1954

DESCRIPTION:
Dry Weight: not specified

ENGINE: Type ..... 6 cyl in line
Bore & stroke ..... 3-9/16" x 3-15/16"
Capacity ..... 3860 cc
Comp ratio 8:1
Head material ..... Cast Iron
Port size ..... Intake 1.44", Exhaust 1.28"
Piston material ... Aluminum w/steel struts
Piston weight ..... 18.88 oz
Timing data:
Intake .... Open 19°30' BTDC, Close 224°30 ATDC
Exhaust ... Open 239 BTDC, Close 5° ATDC
Valve lift: ..... 0.3987" (std) or 0.394" (opt) at zero lash
Valve head dia:
Intake .... 1.88"
Exhaust ... 1.505"
Valve spring ..... Outer 72 lbs @ 1.858"; 160 lbs @ 1.462"
Inner 31 lbs @ 1.788"; 61 lbs @ 1.392"
Carburation ..... Three Carter #3706989

TRANSMISSION AND DRIVE TRAIN:
Ratios:
1 Powerglide
2 "
3 "
4 "
5 "
Final drive ratios: 3.55=11/39

CHASSIS
Wheelbase ..... 101.85"
Track dimension, front ..... 56.7"
Track dimension, rear ..... 58.8"
Shock absorber ..... Delco
Steering ratio 21:1
Brakes .....
Tire size ..... 6.70 x 15

APPROVED OPTIONAL EQUIPMENT

Chevrolet Corvette 1955-1956

Manufacturer: Chevrolet Class: B
Model: Corvette #2934 1955-1956

DESCRIPTION:
2-Seater Convertible
Fiberglass body
Dry Weight: 2829 lbs

ENGINE: Type ..... 90° V-8 (OHV)
Bore & stroke ..... 3.75" x 3.00"
Capacity ..... 4343 cc
Comp ratio 9.25:1, 8:1
Head material ..... Cast Iron
Port size ..... Intake 1.61",Exhaust 1.35"
Piston material ... Aluminum Alloy w/steel strut
Piston weight ..... 18.41 oz
Timing data:
Intake .... Open 21°30'/35° BTDC, Close 242°30/252° ABDC
Exhaust ... Open 242°30'/256° BBDC, Close 23°30/31° ATDC
Valve lift: .....
Valve head dia:
Intake .... 1.725"
Exhaust ... 1.505"
Valve spring ..... Outer 79 lbs @ 1.696":169 lbs @1.306"
Inner 10 lb
Carburation ..... One or Two Carter WCFB 4 bbl

TRANSMISSION AND DRIVE TRAIN:
Ratios:

1	2.94	2.21	Powerglide
2	1.68	1.32	
3	1.00	1.00	
4			
5			

Final drive ratios: 3.27,3.55,3.70, 4.11

CHASSIS
Wheelbase ..... 101.85"
Track dimension, front ..... 57"
Track dimension, rear ..... 59"
Shock absorber ..... Telescopic
Steering ratio 21:1
Brakes .....
Tire size ..... 6.70 x 15

APPROVED OPTIONAL EQUIPMENT

Chevrolet Corvette 1957-1961

Manufacturer: Chevrolet Class: B
Model: Corvette 1957-1961

DESCRIPTION:

2-Seater Convertible
Fiberglass body
Dry Weight: 2905 lbs

ENGINE: Type ..... 90° V-8 (OHV)
Bore & stroke ..... 3.875" x 3.00"
Capacity ..... 283 cu in (4638 cc)
Comp ratio 9.5, 10.5, 11:1
Head material ..... Cast Iron
Port size ..... Intake 1.61" (1.82"-11:1 head only),Exhaust 1.35"
Piston material ... Aluminum Alloy
Piston weight ..... 21.12 oz
Timing data:
Intake .... Open 12°30'/35° BTDC, Close 57°30/72° ABDC
Exhaust ... Open 54°30'/76° BBDC, Close 15°30/31° ATDC
Valve lift: ..... 0.3987" (std) or 0.394" (opt) at zero lash
Valve head dia:
Intake .... 1.725"
Exhaust ... 1.505"
Valve spring ..... Outer 79 lbs @ 1.696":169 lbs @1.306"
Inner Damper 10 lb
Carburation ..... One or Two Carter WCFB 4 bbl or Rochester FI

TRANSMISSION AND DRIVE TRAIN:

Ratios:

1	2.21	2.20	2.47	Powerglide
2	1.32	1.66	1.53	
3	1.0	1.31	1.00	
4		1.0		
5				

Final drive ratios: 3.36, 4.11, 4.56 (3 speed)
4.11, 4.56 (4 speed limited slip)
3.55 (Power glide)

CHASSIS

Wheelbase ..... 101.85"
Track dimension, front ..... 57"
Track dimension, rear ..... 59"
Shock absorber ..... Telescopic

Steering ratio ..... 21:1 or 16.3:1
Brakes ..... 157.2"sq(std), 120"sq(opt), 129"sq(opt)
Tire size ..... 6.70 x 15

APPROVED OPTIONAL EQUIPMENT

Heavy duty radiator
Cross flow radiator
11.1 compression heads w/large valves (1.945")
24 gal fuel tank
Steel disc wheels 15" x 5.5"
Dual 4-barrel carburator w/standard camshaft
Dual 4-barrel carburator w/special camshaft (9.5:1 compression ratio)
Fuel Injection equipement with standard camshaft
Fuel injection equipment with special camshaft
Heads-special spark plug cooling provisions, special valves
Domed pistons (10.5 and 11.0:1)
Special crankshaft balancer
High tension wiring harness
Outside air intakes
8000 RPM tachometer
Heavy duty brake and suspension equipment (FI only)
Heavy duty front and rear springs
Heavy duty front and rear shock absorbers
Heavy duty stbilizer bar
Fast steering adapter
Finned CI brake drums of larger width w/ vented flange plates, airscoops & ducts
Sintered iron brake linings (RPO 686, 687)
Four speed transmission
Powerglide automatic transmission
Positiraction rear axle with vents and bafffles in rear axle (not avail w/PG)

Chevrolet Corvette 1962

Manufacturer: Chevrolet Class: A
Model: Corvette 1962

DESCRIPTION:
2-Seater Convertible
Fiberglass body
Dry Weight: 3065 lbs

ENGINE: Type ..... 90° V-8 (OHV)
Bore & stroke ..... 4.0" x 3.25"
Capacity ..... 327 cu in
Comp ratio 10.25-11.25:1
Head material ..... High Chrome Iron
Port size .....
Piston material ... Aluminum Alloy
Piston weight ..... 25.75 oz (w/strut)
Timing data:
Intake .... Open 32°/35° BTDC, Close 87°/72° ABDC
Exhaust ... Open 74°/76° BBDC, Close 45°/31° ATDC
Valve lift: ..... 0.3987"/0.3998"
Valve head dia:
Intake .... 1-23/32" or 1-15/32
Exhaust ... 1-1/2"
Valve spring ..... Outer 65-80 lbs @ 1-45/64":155-170 lbs @ 1-5/16"
Inner Damper 5-10 lb
Carburation ..... One or Two 4bbl Carter or Rochester Fuel Injection

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TRANSMISSION AND DRIVE TRAIN:
Ratios:

1	2.47	2.20	2.54
2	1.53	1.66	1.92
3	1.0	1.31	1.51
4		1.0	1.0
5			

Final drive ratios: 3.08,3.55,3.56,3.70,4.11,4.56,4.88,5.14,5.42

CHASSIS
Wheelbase ..... 102"
Track dimension, front ..... 57"
Track dimension, rear ..... 59"
Shock absorber ..... Telescopic
Steering ratio ..... 21:1 or 16.3:1
Brakes .....
Tire size ..... 6.70 x 15

APPROVED OPTIONAL EQUIPMENT

All optional equipment approved to date for 1957-1961 Corvette (see 1957-1961 Corvette PCS). In addition, the following options for the 327 cu in model only:

- HD suspension springs:
  - Front (3748140)
  - Rear (3748143)
- Stabilizer unit front aux (3823052)
- Brake Unit HD (Special) (3823053)
- Tank unit (3823051)

Daimler SP 250

Manufacturer: Daimler Class: C
Model: SP 250

DESCRIPTION:

Fiberglass Convertible Coupe
Dry Weight: 2090 lbs

ENGINE:

Type	V8
Bore & stroke	3" x 2.75"
Capacity	2548 cc
Comp Ratio	8.2:1
Head material	Aluminum
Port size	Intake: 1.125", Exhaust: 1.375"
Piston material ...	Aluminum
Piston weight	8 oz, 5-1/2 drms
Timing data:	
Intake	Open 13° BTDC, Close 65° ABDC
Exhaust ...	Open 55° BBDC, Close 23° ATDC
Valve lift:	0.295"
Valve head dia:	
Intake	1.5"
Exhaust ...	1.4375"
Valve spring	58 lbs (valve closed)
Carburation	Two SU HD6

TRANSMISSION AND DRIVE TRAIN:

Ratios:

1	2.933
2	1.742
3	1.232
4	1.0
5	

Final drive ratios: 3.58, 4.01

CHASSIS

Wheelbase	92”
Track dimension, front	50”
Track dimension, rear	48”
Shock absorber	Telescopic
Steering ratio	14:1
Brakes	Disc
Tire size	5.90x15, 5.50x15

APPROVED OPTIONAL EQUIPMENT

- Wire wheels with knock-off hubs (#136201)
- Overdrive
- Anti roll bar (SP.4141)

PCS62 DB-Panhard HBR5 850

DB-Panhard HBR5 850 1960-1962

Manufacturer: Deutsch-Bonnet Class: F and G
Model: DB HBR5 850 1955-1959

DESCRIPTION:

Fiberglass Coupe and Cabriolet
Dry Weight: 600Kg (Coupe) & 630Kg (Cabriolet)

ENGINE:

Type	Panhard "Tiger" 2 cyl opposed
Bore & stroke	85mm x 75mm
Capacity	850 cc
Comp Ratio	8:1, 8.5:1
Head material	Aluminum
Port size	Intake: 45mm, Exhaust: 45m
Piston material ...	Aluminum
Piston weight	445 grams
Timing data:	
Intake	Open 33° BTDC, Close 65° ABDC
Exhaust ...	Open 65° BBDC, Close 33° ATDC
Valve lift:	8.5mm
Valve head dia:	
Intake	43.5mm
Exhaust ...	41.5mm
Valve spring	40Kg (100 lbs)
Carburation	One or Two Zenith NDIX 38

TRANSMISSION AND DRIVE TRAIN:

Ratios:

1	20/23x10/26	20/23x10/26	20/23x10/26	22/20x10/26
2	20/23x20/26	20/23x20/26	20/23x20/26	22/20x20/26
3	20/23x1	20/23x1	20/23x1	22/20x1
4	20/23x24/16	20/23x24/16	20/23x24/16	22/10x24/16
5	20/23x			

Final drive ratios: 11/24x9/24=5.82, 11/24x11/31=6.15

CHASSIS

Wheelbase	85”
Track dimension, front	49”
Track dimension, rear	49”
Shock absorber	Telescopic
Steering ratio	11:1
Brakes	
Tire size	145x380

APPROVED OPTIONAL EQUIPMENT

- Dual ignition cylinder heads (F-Class only)
- Competition brake drums with 45mm linings for front wheels
- Reinforced 145x400 Rims
- Camshaft #111-15, 25-11, 25-12, 25-54
- 11/23 or 12/23 ring and pinion
- Large fuel tank
- Large filler cap (4")
- Extra capacity sump

Elva Courier (1959)

Manufacturer: Elva Class: E
Model: Courier (1959)

DESCRIPTION:
2-Seater Fiberglass Roadster
Dry Weight: 1350 lbs

ENGINE: Type ..... 4 cyl ohv in line (MGA)
Bore & stroke ..... 2.87" x 3.5" (73mm x 89mm)
Capacity ..... 1489 cc
Comp ratio 8.3:1
Head material ..... Cast Iron
Port size ..... Intake 1-3/8"; Exhaust 1-1/16" x 1-3/16"
Piston material ... Aluminum Alloy
Piston weight ..... 10 oz 8 drms
Timing data:
Intake .... Open 16° BTDC, Close 58° ABDC
Exhaust ... Open 51° BBDC, Close 21° ATDC
Valve lift: ..... 0.357"
Valve head dia:
Intake .... 1.5"
Exhaust ... 1.281"
Valve spring ..... Outer 60-1/2 lbs, Inner 30 lbs (fitted)
Carburation ..... Two Solex 1-1/2"

TRANSMISSION AND DRIVE TRAIN:
Ratios:

1	3.64
2	2.214
3	1.374
4	1.0
5	

Final drive ratios: 43/10, 41/9

CHASSIS
Wheelbase ..... 90"
Track dimension, front ..... 50"
Track dimension, rear ..... 50"
Shock absorber ..... Armstrong spring-damper units
Steering ratio ..... 2-1/2 turns
Brakes .....
Tire size ..... 5.20 X 14

APPROVED OPTIONAL EQUIPMENT

MG camshaft (1H.603)
Exhaust valves (1H.1025)
Oil cooler kit (AJA.5291)
Competition clutch assembly (AHH.5457)
9.0:1 pistons (1H.1178)
10.0:1 pistons (1H.1108)
1-3/4" bore SU carburators and manifold
Heavy valve springs (1H.1111/1112)
Distributor (1H.1036)
Connecting rods (AEH.22/23)
Double fuel pump (AUA.73)

PCS62 Deutsch-Bonnet DB HBR5 850

Elva Courier (1960-1962)

Manufacturer: Elva Class: E
Model: Courier (1960-1962)

DESCRIPTION:

2-Seater Fiberglass Roadster
Dry Weight: 1428 lbs

ENGINE: Type ..... 4 cyl ohv in line (MGA 1600)
Bore & stroke ..... 75.4mm x 88.9mm
Capacity ..... 1588 cc
Comp ratio 8.3:1
Head material ..... Cast Iron
Port size ..... Intake 1-3/8"; Exhaust 1-1/16" x 1-13/16"
Piston material ... Aluminum Alloy
Piston weight ..... 11 oz
Timing data:
Intake .... Open 16° BTDC, Close 58° ABDC
Exhaust ... Open 51° BBDC, Close 21° ATDC
Valve lift: ..... 0.290" (std); 0.35" (opt)
Valve head dia:
Intake .... 1.5"
Exhaust ... 1.281"
Valve spring ..... Outer 62.5 lbs, Inner 30 lbs (fitted)
Carburation ..... Two SU 1-1/2"

TRANSMISSION AND DRIVE TRAIN:

Ratios:

1	3.64	2.45
2	2.214	1.62
3	1.374	1.268
4	1.0	1.0
5		

Final drive ratios: 3.7, 4.2, 4.55

CHASSIS

Wheelbase ..... 90"
Track dimension, front ..... 50"
Track dimension, rear ..... 50"
Shock absorber ..... Telescopic
Steering ratio ..... 2-1/2 turns
Brakes ..... Drums - front 9 x 1-1/2; rear 8 x 1-1/2
Tire size ..... 5.20 X 14

APPROVED OPTIONAL EQUIPMENT

MG camshaft (1H.603)
Exhaust valves (1H.1025)
Oil cooler kit (ARH.113)
Heavy valve springs (1H.1111/1112)
Inlet manifold (AEH.200)
Two 1-3/4" bore SU carburators
9.25:1 pistons (12H.175)
Connecting rods (AEH.642-644)
Competition clutch assembly (AHH.5457)
Double fuel pump (AUA.73)
Distributor (1H.1036)
Disc brakes on front wheels (9-1/2")
Drum brakes on rear wheels (9 x 1-1/2")
Wide-rim wheels (5 in)

Elva Courier (1959)

Manufacturer: Elva Class: E
Model: Courier (1959)

DESCRIPTION:
2-Seater Fiberglass Roadster
Dry Weight: 1350 lbs

ENGINE: Type ..... 4 cyl ohv in line (MGA)
Bore & stroke ..... 2.87" x 3.5" (73mm x 89mm)
Capacity ..... 1489 cc
Comp ratio 8.3:1
Head material ..... Cast Iron
Port size ..... Intake 1-3/8"; Exhaust 1-1/16" x 1-3/16"
Piston material ... Aluminum Alloy
Piston weight ..... 10 oz 8 drms
Timing data:
Intake .... Open 16° BTDC, Close 58° ABDC
Exhaust ... Open 51° BBDC, Close 21° ATDC
Valve lift: ..... 0.357"
Valve head dia:
Intake .... 1.5"
Exhaust ... 1.281"
Valve spring ..... Outer 60-1/2 lbs, Inner 30 lbs (fitted)
Carburation ..... Two Solex 1-1/2"

TRANSMISSION AND DRIVE TRAIN:
Ratios:

1	3.64
2	2.214
3	1.374
4	1.0
5	

Final drive ratios: 43/10, 41/9

CHASSIS
Wheelbase ..... 90"
Track dimension, front ..... 50"
Track dimension, rear ..... 50"
Shock absorber ..... Armstrong spring-damper units
Steering ratio ..... 2-1/2 turns
Brakes .....
Tire size ..... 5.20 X 14

APPROVED OPTIONAL EQUIPMENT

MG camshaft (1H.603)
Exhaust valves (1H.1025)
Oil cooler kit (AJA.5291)
Competition clutch assembly (AHH.5457)
9.0:1 pistons (1H.1178)
10.0:1 pistons (1H.1108)
1-3/4" bore SU carburators and manifold
Heavy valve springs (1H.1111/1112)
Distributor (1H.1036)
Connecting rods (AEH.22/23)
Double fuel pump (AUA.73)

Elva Courier (1960-1962)

Manufacturer: Elva Class: E
Model: Courier (1960-1962)

DESCRIPTION:
2-Seater Fiberglass Roadster
Dry Weight: 1428 lbs

ENGINE: Type ..... 4 cyl ohv in line (MGA 1600)
Bore & stroke ..... 75.4mm x 88.9mm
Capacity ..... 1588 cc
Comp ratio 8.3:1
Head material ..... Cast Iron
Port size ..... Intake 1-3/8"; Exhaust 1-1/16" x 1-13/16"
Piston material ... Aluminum Alloy
Piston weight ..... 11 oz
Timing data:
Intake .... Open 16° BTDC, Close 58° ABDC
Exhaust ... Open 51° BBDC, Close 21° ATDC
Valve lift: ..... 0.290" (std); 0.35" (opt)
Valve head dia:
Intake .... 1.5"
Exhaust ... 1.281"
Valve spring ..... Outer 62.5 lbs, Inner 30 lbs (fitted)
Carburation ..... Two SU 1-1/2"

TRANSMISSION AND DRIVE TRAIN:
Ratios:

1	3.64	2.45
2	2.214	1.62
3	1.374	1.268
4	1.0	1.0
5		

Final drive ratios: 3.7, 4.2, 4.55

CHASSIS
Wheelbase ..... 90"
Track dimension, front ..... 50"
Track dimension, rear ..... 50"
Shock absorber ..... Telescopic
Steering ratio ..... 2-1/2 turns
Brakes ..... Drums - front 9 x 1-1/2; rear 8 x 1-1/2
Tire size ..... 5.20 X 14

APPROVED OPTIONAL EQUIPMENT

MG camshaft (1H.603)
Exhaust valves (1H.1025)
Oil cooler kit (ARH.113)
Heavy valve springs (1H.1111/1112)
Inlet manifold (AEH.200)
Two 1-3/4" bore SU carburators
9.25:1 pistons (12H.175)
Connecting rods (AEH.642-644)
Competition clutch assembly (AHH.5457)
Double fuel pump (AUA.73)
Distributor (1H.1036)
Disc brakes on front wheels (9-1/2")
Drum brakes on rear wheels (9 x 1-1/2")
Wide-rim wheels (5 in)

Facel-Vega Facellia

Manufacturer: Facel-Vega Class: F
Model: Facellia

DESCRIPTION:
2-Seater Steel Coupe and Convertible
Dry Weight:

ENGINE: Type ..... 4 cyl dohc in line
Bore & stroke ..... 3.22" x 3.07"
Capacity ..... 1647 cc
Comp ratio 9.4:1
Head material ..... Aluminum
Port size .....
Piston material ... Aluminum Alloy
Piston weight .....
Timing data:
Intake .... Open 21-23° BTDC, Close 64-66° ABDC
Exhaust ... Open 71-73° BBDC, Close 14-16° ATDC
Valve lift: .....
Valve head dia:
Intake 44mm
Exhaust ... 38.5mm
Valve spring ..... Outer 24Kg, Inner 22Kg
Carburation ..... One Solex AP A1

TRANSMISSION AND DRIVE TRAIN:
Ratios:

1	3.45
2	1.96
3	1.28
4	1.0
5	

Final drive ratios: 4.10, 4.56

CHASSIS
Wheelbase ..... 96.5"
Track dimension, front ..... 51.3"
Track dimension, rear ..... 51.3"
Shock absorber ..... Telescopic
Steering ratio .....
Brakes .....
Tire size ..... 5.90 X 14

APPROVED OPTIONAL EQUIPMENT

PCS62 Fairthorpe Electron Minor

Fairthorpe Electron Minor

Manufacturer: Fairthorpe Class: G
Model: Electron Minor

DESCRIPTION:

2-Seater Fiberglass Roadster
Dry Weight: 920 lbs (1962 model - 965 lbs)

ENGINE:

Type	4 cyl ohv in line (Standard 10 Gold Star) *
Bore & stroke	63 mm x 76 mm
Capacity	948 cc
Comp ratio	8.25/9.0/9.5/10.2:1
Head material	Cast Iron
Port size	Intake 1.25", Exhaust 0.94"x0.88"
Piston material ...	Aluminum Alloy
Piston weight	0.617 lb
Timing data:	
Intake	Open 15°BTDC, Close 55°ABDC
Exhaust ...	Open 55°BBDC, Close 15°ATDC
	or
Intake	Open 10°BTDC, Close 50°ABDC
Exhaust ...	Open 50°BBDC, Close 10°ATDC
Valve lift:	0.280" or 0.305"
Valve head dia:	
Intake	1.181"
Exhaust ...	1.056"
Valve spring	25.25 lb @ 1.375
Carburation	One Solex 28Z1C/2

TRANSMISSION AND DRIVE TRAIN:

Ratios:

1	3.75	4.27
2	2.1	2.46
3	1.38	1.45
4	1.0	1.0
5		

Final drive ratios: 41/9=4.55

CHASSIS

Wheelbase	81" (82" for 1962 Model)
Track dimension, front	49"
Track dimension, rear	48-1/2"
Shock absorber	Telescopic
Steering ratio	1-2/3 turns
Brakes	
Tire size	5.60 x 13, 5.90 x 13

APPROVED OPTIONAL EQUIPMENT

Two SU #H.1 carburators and manifold
Two SU #H.2 carburators and manifold

* Specification change for 1962 Model:

Dry weight - 965 lbs
Engine - Triumph Herald
Wheelbase - 82"

PCS62 Fairthorpe Electron Mk II

Fairthorpe Electron Mk II

Manufacturer: Fairthorpe Class: E
Model: Electron Mk II

DESCRIPTION:

2-Seater Fiberglass Roadster
Dry Weight: 1150 lb (1962 Model - 950 lbs)

ENGINE: Type ..... 4 cyl ohc in line (Coventry Climax FWA)
Bore & stroke ..... 72.4mm x 66.6mm (1960-61 model bore = 3.0")
Capacity ..... 1098 cc (1960-61 model displacement = 1220 cc)
Comp ratio 9.8:1
Head material ..... Aluminum Alloy
Port size ..... Intake 1.1", Exhaust 1.0"
Piston material ... Aluminum Alloy
Piston weight ..... 12 oz 10 drms complete
Timing data:
Intake .... Open 12°/20° BTDC, Close 56°/64° ABDC
Exhaust ... Open 56°/64° BBDC, Close 12°/20° ATDC
Valve lift: ..... 0.300" or 0.350"
Valve head dia:
Intake .... 1.350"
Exhaust ... 1.200"
Valve spring ..... Outer 67 lb @ 0.910", Inner 25 lb @ 0.686"
Carburation ..... Two SU H4

TRANSMISSION AND DRIVE TRAIN:

Ratios:

1	16.1	13.85	13.45
2	9.55	8.2	7.8
3	6.28	5.43	5.03
4	4.55	4.1	3.7
5			

Final drive ratios: 3.7, 4.1, 4.55

CHASSIS

Wheelbase ..... 82"
Track dimension, front ..... 48"
Track dimension, rear ..... 45-1/2" (48" for 1962 model)
Shock absorber ..... Telescopic
Steering ratio ..... 1-2/3 turns (2-1/4 turns for 1962 model)
Brakes ..... Disc brakes std equipment for 1962 model
Tire size ..... 5.90x14, 15x155mm (5.60x13 for '62 model)

APPROVED OPTIONAL EQUIPMENT

PCS62 Fairthorpe Electron Mk II
Disc brakes on front wheels</pre>

PCS62 Ferrari 250 GT (SWB) Berlinetta Coupe-California Spider

Ferrari 250 GT (SWB) Berlinetta Coupe-California Spider

Manufacturer: Ferrari Class: A
Model: 250 GT (SWB) Berlinetta Coupe-California Spider

DESCRIPTION:

2-Seater Aluminum Bodywork
Dry Weight: 2050 lbs (approx)

ENGINE:

Type	V-12
Bore & stroke	73mm x 58.8mm
Capacity	2953.211 cc
Comp ratio	9.5:1 or 9.8:1
Head material	Silumin
Port size	Intake 27mm, Exhaust 27mm
Piston material ...	Silumin
Piston weight	224 grams
Timing data:	
Intake	Open 26° BTDC, Close 69° ABDC
Exhaust ...	Open 73° BBDC, Close 19° ATDC
	-or-
Intake	Open 46° BTDC, Close 75° ABDC
Exhaust ...	Open 70° BBDC, Close 40° ATDC
Valve lift:	10mm or 9mm
Valve head dia:	
Intake	34mm or 32mm
Exhaust ...	29mm 27mm
Valve spring	35.6Kg
Carburation	Three Weber DCL

TRANSMISSION AND DRIVE TRAIN:

Ratios:

1	2.536
2	1.7
3	1.256
4	1
5	

Final drive ratios: 32/9, 32/8, 32/7, 33/9, 34/9, 34/8

CHASSIS

Wheelbase	2400mm
Track dimension, front	1354mm
Track dimension, rear	1349mm
Shock absorber	Telescopic
Steering ratio	17:1
Brakes	Disc - 247 cm sq
Tire size	6.00 x 16, 175 x 400

APPROVED OPTIONAL EQUIPMENT

PCS62 Ferrari 250 GT Coupe and Cabriolet

Ferrari 250 GT Coupe and Cabriolet

Manufacturer: Ferrari Class: B
Model: 250 GT Coupe Farina or Boano) and Cabriolet (Farina)

DESCRIPTION:

2-Seater Steel Bodywork
Dry Weight: 2712 lbs (Coupe) or 2650 lbs (Cabriolet)
2315 lbs (Berlinetta and Clifornia, approx)

ENGINE: Type V-12
Bore & stroke ..... 73mm x 58.8mm
Capacity ..... 2953.211 cc
Comp ratio ..... 9.2:1 or 9.5:1
Head material ..... Silumin
Port size ..... Intake 27mm, Exhaust 27mm
Piston material ... Silumin
Piston weight ..... 224 grams
Timing data:
Intake .... Open 26° BTDC, Close 69° ABDC
Exhaust ... Open 73° BBDC, Close 19° ATDC
-or-
Intake .... Open 46° BTDC, Close 75° ABDC
Exhaust ... Open 70° BBDC, Close 40° ATDC
Valve lift: 10mm
Valve head dia:
Intake 34mm
Exhaust ... 29mm
Valve spring 35.6Kg
Carburation ..... Three Weber DCL

TRANSMISSION AND DRIVE TRAIN:

Ratios:

1	2.536
2	1.7
3	1.256
4	1
5	

Final drive ratios: 32/9, 32/8, 32/7, 33/9, 34/9, 34/8

CHASSIS

Wheelbase 2600mm
Track dimension, front 1354mm
Track dimension, rear 1349mm
Shock absorber ..... Telescopic
Steering ratio 18:1
Brakes ..... Disc brakes-247 cm², drum

brakes-1241 cm²

Tire size ..... 6.00 x 16 or 6.25/6.50 x 16

APPROVED OPTIONAL EQUIPMENT

Fiat 1200 Spider

Manufacturer: Fiat Class: H
Model: 1200 Spider

DESCRIPTION:
2-Seater Steel (Unibody) construction
Dry Weight: 2030 lbs

ENGINE: Type ..... 4 cyl ohv in line
Bore & stroke ..... 2-22/32" x 2-61/64"
Capacity ..... 1221 cc
Comp ratio 8.25:1
Head material ..... Aluminum
Port size .....
Piston material ... Aluminum
Piston weight .....
Timing data:
Intake .... Open 16° BTDC, Close 56° ABDC
Exhaust ... Open 56° BBDC, Close 16° ATDC
Valve lift: .....
Valve head dia:
Intake ....
Exhaust ...
Valve spring .....
Carburation ..... One Weber 36 DCD3

TRANSMISSION AND DRIVE TRAIN:
Ratios:

1	3.86	3.38
2	2.38	2.09
3	1.57	1.38
4	1.0	1.0
5		

Final drive ratios: 43/10

CHASSIS
Wheelbase ..... 92-7/64"
Track dimension, front ..... 48.5"
Track dimension, rear ..... 47-53/64"
Shock absorber ..... Telescopic
Steering ratio 16.4:1
Brakes .....
Tire size ..... 5.20 x 14

APPROVED OPTIONAL EQUIPMENT

Fiat 1500 Spider

Manufacturer: Fiat Class: F
Model: 1500 Spider

DESCRIPTION:
2-Seater Steel (Unibody) construction
Dry Weight: 2183 lbs

ENGINE: Type ..... 4 cyl dohc in line
Bore & stroke ..... 3-5/64" x 3-5/64"
Capacity ..... 1491 cc
Comp ratio 8.6:1
Head material ..... Aluminum
Port size .....
Piston material ... Aluminum
Piston weight .....
Timing data:
Intake .... Open 20° BTDC, Close 72° ABDC
Exhaust ... Open 69° BBDC, Close 19° ATDC
Valve lift: .....
Valve head dia:
Intake ....
Exhaust ...
Valve spring .....
Carburation ..... One Weber 28-36 DCLD3

TRANSMISSION AND DRIVE TRAIN:
Ratios:
1 3.086
2 1.977
3 1.38
4 1.0
5
Final drive ratios: 43/10

CHASSIS
Wheelbase ..... 92.1"
Track dimension, front ..... 48.7"
Track dimension, rear ..... 47.8"
Shock absorber ..... Telescopic
Steering ratio 16.4:1
Brakes .....
Tire size ..... 155 x 15

APPROVED OPTIONAL EQUIPMENT

PCS62 Fiat-Abarth 700 Twin Cam

Fiat-Abarth 700 Twin Cam

Manufacturer: Fiat-Abarth Class: E
Model: 700 Twin Cam

DESCRIPTION:

2-Seater Aluminum Record Monza Coupe, Zagato Coupe or Allemeo Roadster
Dry Weight: 550Kg (1210 lbs)

ENGINE:

Type	4 cyl dohc in line
Bore & stroke	61mm x 59.5mm
Capacity	695.6 cc
Comp ratio	10.3:1
Head material	Aluminum
Port size	Intake 26.5mm, Exhaust 26.5mm
Piston material ...	Aluminum Alloy
Piston weight	182 grams
Timing data:	
Intake	Open 52° BTDC, Close 70° ABDC
Exhaust ...	Open 60° BBDC, Close 28° ATDC
Valve lift:	Intake 8.5mm, Exhaust 7.6mm
Valve head dia:	
Intake	33mm
Exhaust ...	29mm
Valve spring	39.5Kg
Carburation	Two Weber 36 DCL4 or Weber 40 DCM2

TRANSMISSION AND DRIVE TRAIN:

Ratios:

1	44/13				
2	37/18	35/20	33/18		
3	35/20	32/24	30/35	29/28	
4	32/24	30/25	29/26	28/27	26/28
5	29/26	28/27	26/30	25/30	28/28

Final drive ratios: 39/9, 39/8, 40/8, 41/9, 41/8, 43/8

CHASSIS

Wheelbase	
Track dimension, front	
Track dimension, rear	
Shock absorber	Telescopic
Steering ratio	13:1
Brakes	Drums, Area = 595.5 cm sq
Tire size	135 x 13, 135 x 12

APPROVED OPTIONAL EQUIPMENT

Single or dual pad disk brakes on front or all wheels

Racing windshield (plastic)
60-70 litre gasoline tank
Aluminum oil sump
Ferget or Borani 12" or 13" heavy duty steel wheels
Amadori or Almag. 12" or 13" wheels
Aux. water radiator
Oil cooler
Stiffer rear springs
Front end reinforcement kit
Securstop master cylinder
Alfin brakes (dual, tripple, or quad shoes)

Fiat-Abarth 750 (dual cam)

Manufacturer: Fiat-Abarth Class: E
Model: 750 (dual cam)

DESCRIPTION:
2-Seater Aluminum Coupe
Dry Weight: 565Kg (1244 lbs)

ENGINE:

Type	4 cyl dohc in line
Bore & stroke	61mm x 64mm
Capacity	748 cc
Comp ratio	9.7:1,10.5:1
Head material	Aluminum
Port size	Intake 26.5mm, Exhaust 28mm
Piston material ...	Aluminum
Piston weight	185 grams
Timing data:	
Intake	Open 52° BTDC, Close 68° ABDC
Exhaust ...	Open 73° BBDC, Close 25° ATDC
Valve lift:	9mm
Valve head dia:	
Intake	33mm
Exhaust ...	29mm
Valve spring	50Kg
Carburation	Two Weber DCL4

TRANSMISSION AND DRIVE TRAIN:

Ratios:

1	44/13				
2	37/18	35/20	33/18		
3	35/20	32/24	30/35	29/28	
4	32/24	30/25	29/26	28/27	26/28
5	29/26	28/27	26/30	25/30	28/28

Final drive ratios: 39/9, 39/8, 40/8, 41/9, 41/8, 43/8

CHASSIS

Wheelbase	78.75"
Track dimension, front	45.3"
Track dimension, rear	45.67"
Shock absorber	Telescopic
Steering ratio	28.6ft min turning diameter
Brakes	Drum type
Tire size	135 x 12, 135 x 13

APPROVED OPTIONAL EQUIPMENT
Single or dual pad disk brakes on front or all wheels

PCS62 Fiat-Abarth 750 (dual cam)

Racing windshield (plastic)
60-70 litre gasoline tank
Aluminum oil sump
Ferget or Borani 12" or 13" heavy duty steel wheels
Amadori or Almag. 12" or 13" wheels
Aux. water radiator
Oil cooler
Stiffer rear springs
Front end reinforcement kit
Securstop master cylinder
Alfin brakes (dual, tripple, or quad shoes)

Fiat-Abarth 750 GT

Manufacturer: Fiat-Abarth Class: H
Model: 750 GT

DESCRIPTION:
2-Seater Aluminum Coupe and Roadster
Dry Weight: 1200 lbs

ENGINE:

Type	4 cyl ohv in line
Bore & stroke	61mm x 64mm
Capacity	747 cc
Comp ratio	9.8:1
Head material	Aluminum
Port size	Intake 24mm, Exhaust 22mm
Piston material ...	Aluminum
Piston weight	175 grams
Timing data:	
Intake	Open 30° BTDC, Close 70° ABDC
Exhaust ...	Open 70° BBDC, Close 30° ATDC
Valve lift:	9mm
Valve head dia:	
Intake	24mm
Exhaust ...	22mm
Valve spring	43Kg or 34Kg
Carburation	One Weber 32 IMPE

TRANSMISSION AND DRIVE TRAIN:

Ratios:

1	44/13	44/13
2	37/18	37/18
3	32/24	30/25
4	26/29	26/30
5		

Final drive ratios: 39/9, 43/8, 41/9

CHASSIS

Wheelbase	2000mm
Track dimension, front	1150mm
Track dimension, rear	1160mm
Shock absorber	Telescopic
Steering ratio	28.6ft min turning diameter
Brakes	
Tire size	5.20 x 12

APPROVED OPTIONAL EQUIPMENT

PCS62 Fiat-Abarth 750 Mille Miglia

Fiat-Abarth 750 Mille Miglia

Manufacturer: Fiat-Abarth Class: G
Model: 750 Mille Miglia

DESCRIPTION:

2-Seater Aluminum Coupe and Roadster
Dry Weight: 545Kg (1200 lbs)

ENGINE:

Type	4 cyl ohv in line
Bore & stroke	61mm x 64mm
Capacity	747 cc
Comp ratio	9.8:1
Head material	Aluminum
Port size	Intake 27.5 x 59.35mm, Exhaust 28mm
Piston material ...	Aluminum
Piston weight	185 grams
Timing data:	
Intake	Open 30° BTDC, Close 70° ABDC
Exhaust ...	Open 70° BBDC, Close 30° ATDC
Valve lift:	9mm
Valve head dia:	
Intake	26mm
Exhaust ...	24mm
Valve spring	50Kg
Carburation	One Weber 32 IMPE

TRANSMISSION AND DRIVE TRAIN:

Ratios:

1	44/13				
2	37/18	35/20	33/18		
3	35/20	32/24	30/35	29/28	
4	32/24	30/25	29/26	28/27	26/28
5	29/26	28/27	26/30	25/30	28/28

Final drive ratios: 39/9, 39/8, 40/8, 41/9, 41/8, 43/8

CHASSIS

Wheelbase	78.75"
Track dimension, front	45.3"
Track dimension, rear	45.67"
Shock absorber	Telescopic
Steering ratio	28.6ft min turning diameter
Brakes	Drum type
Tire size	135 x 12, 135 x 13

APPROVED OPTIONAL EQUIPMENT

Single or dual pad disk brakes on front or all wheels

PCS62 Fiat-Abarth 750 Mille Miglia

Racing windshield (plastic)
60-70 litre gasoline tank
Aluminum oil sump
Ferget or Borani 12" or 13" heavy duty steel wheels
Amadori or Almag. 12" or 13" wheels
Aux. water radiator
Oil cooler
Stiffer rear springs
Front end reinforcement kit
Securstop master cylinder
Alfin brakes (dual, tripple, or quad shoes)

PCS62 Fiat-Abarth 850S Record-Monza

Fiat-Abarth 850/S Record-Monza

Manufacturer: Fiat-Abarth Class: F
Model: 850/S Record Monza

DESCRIPTION:

2-Seater Aluminum Coupe and Spyder
Dry Weight: 600Kg (1320 lbs)

ENGINE:

Type	4 cyl ohv in line
Bore & stroke	62.5mm x 69mm
Capacity	847 cc
Comp ratio	9.1:1,9.5:1
Head material	Aluminum
Port size	Intake 27.5 x 59.35mm, Exhaust 28mm
Piston material ...	Aluminum
Piston weight	171 grams
Timing data:	
Intake	Open 30° BTDC, Close 70° ABDC
Exhaust ...	Open 70° BBDC, Close 30° ATDC
Valve lift:	9mm
Valve head dia:	
Intake	26mm
Exhaust ...	24mm
Valve spring	50Kg
Carburation	One Solex 32 PBIC

TRANSMISSION AND DRIVE TRAIN:

Ratios:

1	44/13				
2	37/18	35/20	33/18		
3	35/20	32/24	30/35	29/28	
4	32/24	30/25	29/26	28/27	26/28
5	29/26	28/27	26/30	25/30	28/28

Final drive ratios: 39/9, 39/8, 40/8, 41/9, 41/8, 43/8

CHASSIS

Wheelbase	78.75"
Track dimension, front	45.3"
Track dimension, rear	45.67"
Shock absorber	Telescopic
Steering ratio	28.6ft min turning diameter
Brakes	Drum type (595.5 cm sq)
Tire size	5.20 x 12

APPROVED OPTIONAL EQUIPMENT

One Weber 32 IMPE Carburetor

PCS62 Fiat-Abarth 850S Record-Monza

One Zenith Stromberg NDIX33 Carburator
Single or dual pad disk brakes on front or all wheels
Racing windshield (plastic)
60-70 litre gasoline tank
Aluminum oil sump
Ferget or Borani 12" or 13" heavy duty steel wheels
Amadori or Almag. 12" or 13" wheels
Aux. water radiator
Oil cooler
Stiffer rear springs
Front end reinforcement kit
Securstop master cylinder
Alfin brakes (dual, tripple, or quad shoes)

PCS62 Fiat-Abarth 1000 Twin Cam

Fiat-Abarth 1000 Twin Cam

Manufacturer: Fiat-Abarth Class: C
Model: 1000 Twin Cam

DESCRIPTION:
2-Seater Aluminum Record Monza Coupe
Dry Weight: 570Kg (1254 lbs)

ENGINE: Type ..... 4 cyl dohc in line
Bore & stroke ..... 65mm x 74mm
Capacity ..... 982 cc
Comp ratio 10.2:1, 10.8:1
Head material ..... Aluminum
Port size ..... Intake 26.5mm, Exhaust 26.5mm
Piston material ... Aluminum Alloy
Piston weight ..... 215 grams
Timing data:
Intake .... Open 54° BTDC, Close 72° ABDC
Exhaust ... Open 64° BBDC, Close 33° ATDC
Valve lift: ..... Intake: 8.5mm; Exhaust 8.3mm
Valve head dia:
Intake 33mm
Exhaust ... 29mm
Valve spring ..... Inner/Outer - 39.5Kg
Carburation ..... Two Weber 40 DCM2 or Weber 36 DCL4

TRANSMISSION AND DRIVE TRAIN:
Ratios:

1	44/13				
2	37/18	35/20	33/18		
3	35/20	32/24	30/35	29/28	
4	32/24	30/25	29/26	28/27	26/28
5	29/26	28/27	26/30	25/30	28/28

Final drive ratios: 39/9, 39/8, 40/8, 41/9, 41/8, 43/8

CHASSIS
Wheelbase .....
Track dimension, front .....
Track dimension, rear .....
Shock absorber ..... Telescopic
Steering ratio 13:1
Brakes ..... Front-Disc; Rear-Drum or disc
Tire size ..... 135 x 13

APPROVED OPTIONAL EQUIPMENT
Single or dual pad disk brakes on front or all wheels

PCS62 Fiat-Abarth 1000 Twin Cam

Racing windshield (plastic)
60-70 litre gasoline tank
Aluminum oil sump
Ferget or Borani 12" or 13" heavy duty steel wheels
Amadori or Almag. 12" or 13" wheels
Aux. water radiator
Oil cooler
Stiffer rear springs
Front end reinforcement kit
Securstop master cylinder
Alfin brakes (dual, tripple, or quad shoes)

PCS62 Frazer-Nash Two Litre

Frazer-Nash Two Litre

Manufacturer: Frazer-Nash Class: C
Model: Two Litre

DESCRIPTION:
2-Seater, Various body styles: "Sebring, "Targa Floria", Roadsters,
and "Lemans Coupe" (fixed head)
Dry Weight:

ENGINE: Type ..... 6 cyl ohv in line
Bore & stroke ..... 66mm x 96mm
Capacity ..... 1971 cc
Comp ratio 7.5:1, 9.0:1, 10:1
Head material ..... Aluminum Alloy
Port size ..... Intake 1.250"; Exhaust 1.250"
Piston material ... Aluminum Alloy
Piston weight ..... 288.976 grams
Timing data:
Intake .... Open 40° BTDC, Close 80° ABDC
Exhaust ... Open 80° BBDC, Close 40° ATDC
Valve lift: .....
Valve head dia:
Intake .... 1.532"
Exhaust ... 1.308"
Valve spring .....
Carburation ..... Three Solex 32B1

TRANSMISSION AND DRIVE TRAIN:
Ratios:

1	2.918	1.827
2	1.825	1.408
3	1.292	1.189
4	1.0	1.0
5		

Final drive ratios: 3.5, 3.6, 3.9, 4.1

CHASSIS
Wheelbase ..... 96"
Track dimension, front ..... 48"
Track dimension, rear ..... 50"
Shock absorber ..... Telescopic
Steering ratio ..... 2 turns
Brakes ..... Drum type (188 in sq lining area)
Tire size ..... 5.50 x 16

APPROVED OPTIONAL EQUIPMENT

- Knock-on wire wheels
- 25 gal fuel tank
- Adjustable friction-telescopic shock absorbers
- Alfin brake drums (11 x 2-1/4) with air scoops

GSM Delta

Manufacturer: GSM Class: D
Model: Delta

DESCRIPTION:
2-Seater Fiberglass Roadster
Dry Weight: 1085 lbs

ENGINE:
Type ..... Ford 105E
Bore & stroke ..... 3.185" x 1.905"
Capacity ..... 997 cc
Comp ratio 10.4:1
Head material ..... Cast Iron
Port size ..... Intake 1.283", 1.088"
Piston material ... Aluminum Alloy
Piston weight ..... 0.876 lbs (with rings)
Timing data:
Intake .... Open 28° BTDC, Close 77° ABDC
Exhaust ... Open 68° BBDC, Close 28° ATDC
Valve lift: ..... 0.374" or 0.352"
Valve head dia:
Intake .... 1.370"
Exhaust ... 1.192"
Valve spring .....
Carburation ..... Two Weber 40 DCOE or One Weber 36 DCD

TRANSMISSION AND DRIVE TRAIN:
Ratios:

1	2.916	4.118
2	1.7	2.396
3	1.28	1.412
4	1.0	1.0
5		

Final drive ratios: 3.875, 4.125, 4.429, 4.44

CHASSIS
Wheelbase ..... 241 cm
Track dimension, front ..... 124 cm
Track dimension, rear ..... 121 cm
Shock absorber ..... Telescopic
Steering ratio ..... 2-1/2 turns
Brakes ..... Aluminum drums, 19.7 in sq per wheel
Tire size ..... 4.50 x 13, 5.25 x 13

APPROVED OPTIONAL EQUIPMENT

Jaguar XK120

Manufacturer: Jaguar Class: C
Model: XK120

DESCRIPTION:
2-Seater Coupe, Convertible, and Roadster
Dry Weight:

ENGINE: Type ..... 6 cyl dohc in line
Bore & stroke ..... 3.2677" x 4.1732"
Capacity ..... 3442 cc
Comp ratio 7:1, 8:1, 9:1
Head material ..... Alloy
Port size ..... Intake: 1-3/8"; Exhaust: 1-1/4"
Piston material ... Alloy
Piston weight ..... 20 oz
Timing data:
Intake .... Open 15° BTDC, Close 237° ATDC
Exhaust ... Open 237° BTDC, Close 15° ATDC
Valve lift: ..... 3/8" or 5/16"
Valve head dia:
Intake .... 1-3/4"
Exhaust ... 1-7/16"
Valve spring ..... Outer 48 lbs @ 1-5/16", Inner 30 lbs @ 1-7/32"
Carburation ..... Two SU H.6

TRANSMISSION AND DRIVE TRAIN:
Ratios:

1	3.375	2.98
2	1.982	1.74
3	1.367	1.21
4	1.0	1.0
5		

Final drive ratios: 3.54 = 46/13

CHASSIS
Wheelbase ..... 92"
Track dimension, front ..... 51-1/2"
Track dimension, rear ..... 50-1/2"
Shock absorber .....
Steering ratio 17.6:1
Brakes .....
Tire size ..... 6.00 x 16

APPROVED OPTIONAL EQUIPMENT

2" SU Carburetors (H.8)
Lead-bronze bearings (C.5891-2)
"C" Type head (C.7707/1)
3/8" Lift camshaft (C.5717-18)
Lightened type flywheel (C.4809)
1" Torsion bars (C.5719-20)
Stiffer rear springs (C.5651)
Large capacity fuel tank (C4359)
Alternate rear ratios:
    ENV axle: 3.27(59/18),3.64(51/14),3.92(47/12),4.3(43/10),4.56(41/9)
    Salisbury axle: 2.93(41/14),3.31(43/13),3.77(49/13),3.92(47/12),
                    4.27(47/11),4.55(50/11)
Bucket seats (BD.5893)

Jaguar XK140

Manufacturer: Jaguar Class: C
Model: XK140

DESCRIPTION:
2-Seater Coupe, Convertible, and Roadster
Dry Weight:

ENGINE: Type ..... 6 cyl dohc in line
Bore & stroke ..... 3.2677" x 4.1732"
Capacity ..... 3442 cc
Comp ratio 7:1, 8:1, 9:1
Head material ..... Alloy
Port size ..... Intake: 1-3/8"; Exhaust: 1-1/4"
Piston material ... Alloy
Piston weight ..... 20 oz
Timing data:
Intake .... Open 15° BTDC, Close 237° ATDC
Exhaust ... Open 237° BTDC, Close 15° ATDC
Valve lift: ..... 3/8" or 5/16"
Valve head dia:
Intake .... 1-3/4"
Exhaust ... 1-7/16"
Valve spring ..... Outer 48 lbs @ 1-5/16", Inner 30 lbs @ 1-7/32"
Carburation ..... Two SU H6

TRANSMISSION AND DRIVE TRAIN:
Ratios:

1	3.375	2.98
2	1.982	1.74
3	1.367	1.21
4	1.0	1.0
5		

Final drive ratios: 3.54 = 46/13

CHASSIS
Wheelbase ..... 102"
Track dimension, front ..... 51-1/2"
Track dimension, rear ..... 51-1/2"
Shock absorber ..... Girling
Steering ratio 13.75:1
Brakes .....
Tire size ..... 6.00 x 16

APPROVED OPTIONAL EQUIPMENT

2" SU Carburetors (H8)
Competition clutch (C.6720)
Lead-bronze bearings (C.5891-2)
"C" Type head (C.7707/1)
Alternate rear ratios:
2.93(41/14),3.31(43/13),3.92(47/12),4.27(47/11),4.55(50/11)
Bucket seats: BD.10973 - left
BD.10974 - right

Jaguar XK150, 150S

Manufacturer: Jaguar Class: C
Model: XK150, 150S

DESCRIPTION:
2-Seater Coupe, Convertible, and Roadster
Dry Weight:

ENGINE: Type ..... 6 cyl dohc in line
Bore & stroke ..... 3.2677" x 4.1732"
Capacity ..... 3442 cc
Comp ratio ..... 8:1 or 9:1
Head material ..... Alloy
Port size ..... Intake: 1-3/8"; Exhaust: 1-1/4";@valve seat throat
Piston material ... Alloy
Piston weight ..... 20 oz
Timing data:
Intake .... Open 15° BTDC, Close 237° ATDC
Exhaust ... Open 237° BTDC, Close 15° ATDC
Valve lift: ..... 3/8"
Valve head dia:
Intake .... 1-3/4"
Exhaust ... 1-5/8"
Valve spring ..... Outer 48 lbs @ 1-5/16", Inner 30 lbs @ 1-7/32"
Carburation ..... Three SU HD8

TRANSMISSION AND DRIVE TRAIN:
Ratios:

1	2.98	3.378
2	1.74	1.86
3	1.21	1.283
4	1.0	1.0
5		

Final drive ratios: 3.54 = 46/13

CHASSIS
Wheelbase ..... 102"
Track dimension, front ..... 51-5/8"
Track dimension, rear ..... 51-5/8"
Shock absorber ..... Girling
Steering ratio 13.75:1
Brakes .....
Tire size ..... 6.00 x 16

APPROVED OPTIONAL EQUIPMENT

Overdrive (C.13200-XK150, C.14830-XK150S)
Automatic Transmission (C.17000)
Competition Clutch (7882)
Lead-bronze bearings (C.16293-4)
Spoke or disc wheels (C.12436-C.6749)
Thornton "Powr-Lok" differential (7380, 7501)
Alternate axle ratios: 2.93(41/14),3.31(43/13),3.77(49/13),3.92(47/12),
4.09(45/11),4.27(47/11),4.55(50/11)

Jaguar XK150, 150S (3.8)

Manufacturer: Jaguar Class: C
Model: XK150, 150S (3.8)

DESCRIPTION:
2-Seater Coupe, Convertible, and Roadster
Dry Weight:

ENGINE: Type ..... 6 cyl dohc in line
Bore & stroke ..... 3.425" x 4.1732"
Capacity ..... 3781 cc
Comp ratio ..... 8:1 or 9:1
Head material ..... Alloy
Port size ..... Intake: 1.5"; Exhaust: 1.375"
Piston material ... Aluminum
Piston weight ..... 23.5 oz
Timing data:
Intake .... Open 15° BTDC, Close 57° ABDC
Exhaust ... Open 57° BBDC, Close 15° ATDC
Valve lift: ..... 0.375"
Valve head dia:
Intake .... 1.75"
Exhaust ... 1.625"
Valve spring ..... Outer 48 lbs @ 1-5/16", Inner 30 lbs @ 1-7/32"
Carburation ..... Three SU HD8

TRANSMISSION AND DRIVE TRAIN:
Ratios:

1	3.378	2.98
2	1.86	1.74
3	1.283	1.21
4	1.0	1.0
5		

Final drive ratios: 3.54

CHASSIS
Wheelbase ..... 102"
Track dimension, front ..... 51.625"
Track dimension, rear ..... 51.625"
Shock absorber ..... Telescopic
Steering ratio 13.75:1
Brakes ..... Disc
Tire size ..... 6.00 x 16

APPROVED OPTIONAL EQUIPMENT

Competition Clutch (C.16175)
Lead-bronze bearings (C.16293-4)
Spoke or disc wheels (C.12436-C.6749)
Overdrive (C.16170-XK150, C.16171-XK150S)
Automatic Transmission (C.17000)
Thornton "Powr-Lok" differential (7380-7501)
Alternate axle ratios: 2.93, 3.31, 3.54, 3.77, 3.92, 4.09, 4.27, 4.55

Jaguar XKE

Manufacturer: Jaguar Class: A
Model: XKE

DESCRIPTION:
2-Seater Coupe and Convertible
Dry Weight:

ENGINE: Type ..... 6 cyl dohc in line
Bore & stroke ..... 3.425" x 4.1732"
Capacity ..... 3781 cc
Comp ratio ..... 9:1 or 10:1
Head material ..... Aluminum
Port size ..... Intake: 1.5"; Exhaust: 1.375"
Piston material ... Aluminum
Piston weight ..... 23.5 oz
Timing data:
Intake .... Open 15° BTDC, Close 57° ABDC
Exhaust ... Open 57° BBDC, Close 15° ATDC
-or-
Intake .... Open 30° BTDC, Close 60° ABDC
Exhaust ... Open 60° BBDC, Close 30° ATDC
Valve lift: ..... 0.375"
Valve head dia:
Intake .... 1.75"
Exhaust ... 1.625"
Valve spring ..... Outer 48 lbs @ 1-5/16", Inner 30 lbs @ 1-7/32"
Carburation ..... Three SU HD8

TRANSMISSION AND DRIVE TRAIN:
Ratios:

1	3.378	2.98
2	1.86	1.74
3	1.283	1.21
4	1.0	1.0
5		

Final drive ratios: 2.93, 3.07, 3.31, 3.54, 3.77, 3.92, 4.09, 4.27, 4.55

CHASSIS
Wheelbase ..... 96"
Track dimension, front ..... 50"
Track dimension, rear ..... 50"
Shock absorber ..... Telescopic
Steering ratio ..... 2.5 turns
Brakes ..... Disc

Tire size ..... 6.40 x 15, 6.50 x 15

APPROVED OPTIONAL EQUIPMENT

"Powr-Lok" differential
Competition clutch cover assy (C16175 or C19951)
Competition driven plate (16215)
26 gal fuel tank
Offset rim rear wheels (1 in tread increase)
Intake trumpet (4520)
Distributor (C8453)
H.C. Piston 10:1 (XK2350)
Competition flywheel (XK2528)
Camshaft-Inlet (C8512) 30° - 60°, 3/8" valve lift
Camshaft-Exhaust (C8513) 60° - 30°, 3/8" valve lift
Camshaft-Inlet (C8512/WR) Wide Range
Camshaft-Exhaust (C8513/WR) Wide Range
Rear axle cooling radiator and pump assy (3-105-E)
Engine oil radiator (C9563)
HD Roll bar - front (C16629/HD)
HD Roll bar - rear (C17151/HD)
Lead-bronze bearings (C.16293-4)
Spoke or disc wheels (C.12436-C.6749)
Overdrive (C.16170-XK150, C.16171-XK150S)
Automatic Transmission (C.17000)

Alternate axle ratios:

Jensen 541R

Manufacturer: Jensen Class: D
Model: 541R

DESCRIPTION:
2-4 Seater Fiberglass Coupe
Dry Weight: 3018 lbs (Approx)

ENGINE: Type ..... 6 cyl ohv in line
Bore & stroke ..... 3.437" x 4.375"
Capacity ..... 3993 cc (243.4 cu in)
Comp ratio 7.4:1
Head material ..... Cast Iron
Port size ..... Intake: 1.920"; Exhaust 1.40" x 1.80" (siamesed)
Piston material ... Aluminum alloy
Piston weight .....
Timing data:
Intake .... Open 5° BTDC, Close 45° ABDC
Exhaust ... Open 40° BBDC, Close 10° ATDC
Valve lift: 0.392
Valve head dia:
Intake .... 1.73"
Exhaust ... 1.42"
Valve spring ..... 138 lb/in
Carburation ..... Three SU H-4

TRANSMISSION AND DRIVE TRAIN:
Ratios:

1	11.98
2	7.02
3	4.84
4	3.54
5	2.75 (OD)

Final drive ratios: 3.54

CHASSIS
Wheelbase ..... 105"
Track dimension, front ..... 52"
Track dimension, rear ..... 52"
Shock absorber ..... Front-Lever, Rear-Telescopic
Steering ratio 14.3:1
Brakes ..... Dunlop disc
Tire size ..... 6.40 x 15

APPROVED OPTIONAL EQUIPMENT

PCS62 Lancia Appia GT

Lancia Appia GT

Manufacturer: Lancia Class: H
Model: Aurelia GT, Spyder

DESCRIPTION:
2-Seater Zagato Coupe
Dry Weight: 1850 lbs

ENGINE: Type V-4
Bore & stroke ..... 68mm x 75mm
Capacity ..... 1090 cc
Comp ratio 8:1
Head material ..... Aluminum
Port size ..... Intake: 25mm, Exhaust 25mm
Piston material ... Aluminum
Piston weight 0.255Kg
Timing data:
Intake .... Open 15° BTDC, Close 52° ABDC
Exhaust ... Open 52° BBDC, Close 15° ATDC
Valve lift: 8.25mm
Valve head dia:
Intake 31mm
Exhaust ... 27mm
Valve spring 18.3Kg
Carburation ..... One Weber 36 DCLD3

TRANSMISSION AND DRIVE TRAIN:
Ratios:
1 4.098
2 2.382
3 1.562
4 1.0
5
Final drive ratios: 45/11

CHASSIS
Wheelbase 2510mm
Track dimension, front 1178mm
Track dimension, rear 1182mm
Shock absorber ..... Lancia
Steering ratio 51/4
Brakes .....
Tire size ..... 155 x 15

APPROVED OPTIONAL EQUIPMENT

PCS62 Lancia Aurelia GT, Spyder

Lancia Aurelia GT, Spyder

Manufacturer: Lancia Class: D
Model: Aurelia GT, Spyder

DESCRIPTION:

Dry Weight: lbs

ENGINE:

Type	V-6
Bore & stroke	78mm x 85.5mm
Capacity	2451 cc
Comp ratio	8.4:1
Head material	Aluminum
Port size	Intake: 29mm, Exhaust 28mm
Piston material	Aluminum
Piston weight	
Timing data:	
Intake	Open 22° BTDC, Close 82° ABDC
Exhaust	Open 55° BBDC, Close 23° ATDC
Valve lift:	7.435mm
Valve head dia:	
Intake	40mm
Exhaust	35mm
Valve spring	27.5Kg
Carburation	Weber 40 DCL5

TRANSMISSION AND DRIVE TRAIN:

Ratios:

1	3.093
2	2.054
3	1.415
4	1.0
5	

Final drive ratios: 48/13

CHASSIS

Wheelbase	2450mm (Spyder) 2650mm (GT)
Track dimension, front	1280mm
Track dimension, rear	1300mm
Shock absorber	Telescopic
Steering ratio	49/4
Brakes	
Tire size	165 x 400

APPROVED OPTIONAL EQUIPMENT

Lotus 7 Super Classic

Manufacturer: Lotus Class: C
Model: 7 Super Classic

DESCRIPTION:
Open - 2-Seater
Dry Weight: 900 lbs

ENGINE: Type ..... Cosworth Ford 109E
Bore & stroke ..... 3.187" x 2.562"
Capacity ..... 87.8 cu in
Comp ratio 9.5:1
Head material ..... Cast Iron
Port size ..... Intake 1.0", Exhaust 1.0"
Piston material ... Aluminum
Piston weight .....
Timing data:
Intake .... Open 50° BTDC, Close 86° ABDC
Exhaust ... Open 86° BBDC, Close 50° ATDC
Valve lift: ..... 0.390"
Valve head dia:
Intake .... 1.3"
Exhaust ... 1.2"
Valve spring ..... 220 lb/in
Carburation ..... Two Weber 40 DCOE-2

TRANSMISSION AND DRIVE TRAIN:
Ratios:

1	4.118	3.0	3.627
2	2.396	1.99	2.374
3	1.412	1.35	1.412
4	1.0	1.0	1.0
5			

Final drive ratios: 4.1, 4.5, 4.875

CHASSIS
Wheelbase .....
Track dimension, front .....
Track dimension, rear .....
Shock absorber ..... Telescopic
Steering ratio 3:1
Brakes .....
Tire size ..... 5.60 x 13, 5.90 x 13

APPROVED OPTIONAL EQUIPMENT
Long range fuel tank

PCS62 Lotus 7 Super Classic
HD Valve springs (250 lbs)

PCS62 Lotus Elite (Stage III)

Lotus Elite (Stage III)

Manufacturer: Lotus Class: C
Model: Elite (Stage III)

DESCRIPTION:
2-Seater Fiberglass Coupe
Dry Weight: 1512 lbs

ENGINE:
Type ..... 4 cyl ohc in line
Bore & stroke ..... 3.0" x 2.625"
Capacity ..... 1220 cc
Comp ratio 11:1
Head material ..... Aluminum
Port size ..... Intake 1.15", Exhaust 1.15"
Piston material ... Aluminum
Piston weight ..... 15 oz
Timing data:
Intake .... Open 30° BTDC, Close 60° ABDC
Exhaust ... Open 60° BBDC, Close 30° ATDC
Valve lift: ..... 0.360"
Valve head dia:
Intake .... 1.35"
Exhaust ... 1.2"
Valve spring ..... 230 lb/in
Carburation ..... Two SU HS-4

TRANSMISSION AND DRIVE TRAIN:
Ratios:

1	2.53	2.45	3.67
2	1.71	1.62	2.20
3	1.23	1.262	1.32
4	1.0	1.0	1.0
5			

Final drive ratios: 3.7, 4.22, 4.55, 4.875, 5.375

CHASSIS
Wheelbase .....
Track dimension, front .....
Track dimension, rear .....
Shock absorber ..... Telescopic
Steering ratio 3:1
Brakes ..... Girling disc
Tire size ..... 4.50 x 15 / 4.80 x 15 / 5.00 x 15

APPROVED OPTIONAL EQUIPMENT
5-Bearing camshaft

PCS62 Lotus Elite (Stage III)

Long range fuel tank

Lotus Elite

Manufacturer: Lotus Class: E
Model: Elite

DESCRIPTION:
2-Seater Fiberglass Coupe
Dry Weight: 1512 lbs

ENGINE:

Type	4 cyl ohc in line
Bore & stroke	3.0" x 2.625"
Capacity	1220 cc
Comp ratio	10.0:1
Head material	Aluminum
Port size	Intake 1.125", Exhaust 1.125"
Piston material ...	Aluminum
Piston weight	12.5 oz
Timing data:	
Intake	Open 12° BTDC, Close 56° ABDC
Exhaust ...	Open 56° BBDC, Close 12° ATDC
Valve lift:	0.360" (intake), 0.310" (exhaust)
Valve head dia:	
Intake	1.35"
Exhaust ...	1.25"
Valve spring	225 lb/in
Carburation	One or Two SU H4

TRANSMISSION AND DRIVE TRAIN:

Ratios:

1	2.45	3.67
2	1.62	2.20
3	1.262	1.32
4	1.0	1.0
5		

Final drive ratios: 3.7, 4.22, 4.55, 4.875, 5.375

CHASSIS

Wheelbase	
Track dimension, front	
Track dimension, rear	
Shock absorber	Telescopic
Steering ratio	3:1
Brakes	Girling disc
Tire size	4.50 x 15 / 4.80 x 15 / 5.00 x 15

APPROVED OPTIONAL EQUIPMENT

Lotus Mark 7 America

Manufacturer: Lotus Class: G
Model: Mark 7 America

DESCRIPTION:
Open - 2-Seater
Dry Weight: 900 lbs

ENGINE: Type ..... BMC Type A (Sprite) OHV 4 cyl inline
Bore & stroke ..... 63mm x 76mm
Capacity ..... 948 cc
Comp ratio 8.3:1
Head material ..... Cast Iron
Port size ..... Intake: 1.125", Exhaust 1-13/16" x 1.0"
Piston material ... Aluminum
Piston weight .....
Timing data:
Intake .... Open 5°BTDC, Close 45°ABDC
Exhaust ... Open 40° BBDC, Close 10° ATDC
Valve lift: ..... 0.28"
Valve head dia:
Intake .... 1-3/32"
Exhaust ... 1.0"
Valve spring ..... 52 lb @ 1.2968", 85 lb @ 1.012"
Carburation ..... Two SU H1

TRANSMISSION AND DRIVE TRAIN:
Ratios:

1	3.627	3.0
2	2.374	1.99
3	1.412	1.35
4	1.0	1.0
5		

Final drive ratios: 4.11, 4.55, 4.875

CHASSIS
Wheelbase .....
Track dimension, front .....
Track dimension, rear .....
Shock absorber ..... Telescopic
Steering ratio 3:1
Brakes .....
Tire size ..... 5.60 x 13, 5.90 x 13

APPROVED OPTIONAL EQUIPMENT

Long range fuel tank (8 gal)
Large Sump (Q.2341)
Valve springs (2A.950)
Distributor (2A.951)

Mercedes-Benz 190 SL

Manufacturer: Mercedes-Benz Class: F
Model: 190 SL

DESCRIPTION:
2-Seater Convertible
Dry Weight: 2332 lbs

ENGINE: Type ..... 4 cyl ohc
Bore & stroke ..... 3.34" x 3.29"
Capacity ..... 1897 cc
Comp ratio 8.5:1
Head material ..... Light Metal
Port size ..... Intake 1.957" sq; Exhaust 1.407" sq
Piston material ... Light Metal
Piston weight ..... 1.41 lbs
Timing data:
Intake .... Open 44° BTDC, Close 87° ABDC
Exhaust ... Open 81° BBDC, Close 42° ATDC
Valve lift: ..... 0.374" (intake), 0.315 (exhaust)
Valve head dia:
Intake .... 1.74"
Exhaust ... 1.46"
Valve spring .....
Carburation ..... Two Solex 44PHH

TRANSMISSION AND DRIVE TRAIN:
Ratios:
1 3.52
2 2.32
3 1.52
4 1.0
5
Final drive ratios: 3.9 = 39/10

CHASSIS
Wheelbase ..... 94-1/2"
Track dimension, front ..... 56-5/16"
Track dimension, rear ..... 57-7/8"
Shock absorber ..... Telescopic
Steering ratio 18.5
Brakes .....
Tire size ..... 6.40 x 13

APPROVED OPTIONAL EQUIPMENT

Mercedes-Benz 300 SL Coupe

Manufacturer: Mercedes-Benz Class: B
Model: 300 SL Coupe

DESCRIPTION:
2-Seater Roadster
Dry Weight: 2930 lbs

ENGINE: Type ..... 6 cyl ohc in line
Bore & stroke ..... 3.35" x 3.47"
Capacity ..... 2996 cc
Comp ratio 8.55:1
Head material ..... Light Metal
Port size ..... Intake 2.356" sq; Exhaust 1.557" sq
Piston material ... Light Metal
Piston weight ..... 1.52 lbs
Timing data:
Intake .... Open 54° BTDC, Close 92° ABDC
Exhaust ... Open 74° BBDC, Close 36° ATDC
Valve lift: ..... 0.37" (intake), 0.33" (exhaust)
Valve head dia:
Intake .... 1.93"
Exhaust ... 1.65"
Valve spring .....
Carburation ..... Fuel Injection (Bosch #PES6K170/320R3)

TRANSMISSION AND DRIVE TRAIN:
Ratios:
1 3.34
2 1.97
3 1.39
4 1.0
5
Final drive ratios: 3.64 (40/11)

CHASSIS
Wheelbase ..... 94.48"
Track dimension, front ..... 54.5"
Track dimension, rear ..... 56.5"
Shock absorber .....
Steering ratio 13.8:1, 11.8:1
Brakes .....
Tire size ..... 6.50 x 15

APPROVED OPTIONAL EQUIPMENT
Alternate axle ratios: 3.25(39/12), 3.42(41/12), 3.89(35/9), 4.11(38/9)

PCS62 Mercedes-Benz 300 SL Roadster

Mercedes-Benz 300 SL Roadster

Manufacturer: Mercedes-Benz Class: B
Model: 300 SL Roadster

DESCRIPTION:
2-Seater Roadster
Dry Weight: 2750 lbs

ENGINE: Type ..... 6 cyl ohc in line
Bore & stroke ..... 3.35" x 3.47"
Capacity ..... 2996 cc
Comp ratio 8.55:1, 9.5:1
Head material ..... Light Metal
Port size ..... Intake 2.356" sq; Exhaust 1.557" sq
Piston material ... Light Metal
Piston weight ..... 1.52 lbs
Timing data:
Intake .... Open 54° BTDC, Close 92° ABDC
Exhaust ... Open 74° BBDC, Close 36° ATDC
Valve lift: ..... 0.37" (intake), 0.33" (exhaust)
Valve head dia:
Intake .... 1.93"
Exhaust ... 1.65"
Valve spring .....
Carburation ..... Fuel Injection (Bosch #PES6K170/320R3)

TRANSMISSION AND DRIVE TRAIN:
Ratios:
1 3.34
2 1.97
3 1.39
4 1.0
5
Final drive ratios: 3.89 (35/9)

CHASSIS
Wheelbase ..... 94.48"
Track dimension, front ..... 55"
Track dimension, rear ..... 57"
Shock absorber ..... Telescopic
Steering ratio 16.7
Brakes .....
Tire size ..... 6.70 x 15, 6.50 x 15

APPROVED OPTIONAL EQUIPMENT
Alternate axle ratios: 3.25(39/12), 3.42(41/12), 3.64(40/11), 4.11(38/9)

MG Midget

Manufacturer: MG Class: G
Model: Midget

DESCRIPTION:
2-Seater Roadster
Dry Weight: 1280 lbs

ENGINE:

Type	BMC Type A OHV 4 cyl in line
Bore & stroke	63mm x 76mm
Capacity	948 cc
Comp ratio	9:1
Head material	Cast Iron
Port size	Intake: 26mm, Exhaust 25mm
Piston material ...	Aluminum
Piston weight	
Timing data:	
Intake	Open 5°BTDC, Close 45°ABDC
Exhaust ...	Open 51° BBDC, Close 21° ATDC
Valve lift:	7.97mm
Valve head dia:	
Intake	29.36mm
Exhaust ...	25.4mm
Valve spring	52 lb @ 1.2968", 85 lb @ 1.012"
Carburation	Two SU H2

TRANSMISSION AND DRIVE TRAIN:

Ratios:

1	3.2
2	1.916
3	1.357
4	1.0
5	

Final drive ratios: 3.73:1, 3.909, 4.22:1, 4.55:1, 4.875, 5.375

CHASSIS

Wheelbase	80"
Track dimension, front	45-1/4"
Track dimension, rear	44-1/4"
Shock absorber	Lever
Steering ratio	2-1/3 turns
Brakes	
Tire size	5.20 x 13

APPROVED OPTIONAL EQUIPMENT
Close ratio gear box (Q.2354)

Anti-roll bar (Q.2315)
Large sump (Q.2341)
Front springs (Q.2334)
Rear springs (Q.2335) or (AHA5468)
Fuel tank (Q.2336)
Exhaust mainifold (Q.2345) or (AHA5448)
Electric fuel pump (H.3592)(AUA-56)
Competition exhaust system (Q.234/2347)
Crankshaft-Sebring type (Q.262/2629)
Crankshaft (AEA 440)
Alfin brake drums (Q.2491)
8" front brakes (Q.2353)
Disc brakes (Q.2337, Q.2549, Q.2552)
Pistons (2A.946)
Valve springs (2A.950, AEA401)
2 x 1-1/4" SU carburetors (Q.2343)
2 x 1-1/2" SU carburetors (Q.2504/5)
Manifold (Q.2344)
Cylinder head (Q.2302)
Oil cooler (Q.2342)
Cold air box (Q.2350)
Polished connecting rods (Q.2346)
Flywheel (Q.2348) or (AEA 408)
Clutch (Q.2349) or (AEJ 31)
Distributor (2A.951)
Light weight seats (Q.2609)
Wire wheels (Q.2424/31)
Large inlet valves (Q.2494)
Large exhaust valves (Q.2495)
Exhaust valves (AEA 400)
Camshaft (2A.948) In open 16°BTDC, close 56°ABDC; lift 0.31"
Ex open 51°BBDC, close 21°ATDC; clearance 0.015"
Camshaft (Q.2629) In open 20°BTDC, close 80°ABDC; lift 0.38"
Ex open 50°BBDC, close 50°ATDC; clearance 0.015"
Cylinder head Mk II
Double valve springs (Q.2628)
Limited slip differential (HAC23)
Blanking sleeve (11G176)
Valve spring collars (AEA 402-432)

PCS62 MG TC, TD Mk II

MG TC, TD, Mk II

Manufacturer: MG Class: H
Model: TC, TD, Mk II

DESCRIPTION:
2-Seater Roadster
Dry Weight:

ENGINE:
Type	4 cyl ohv in line
Bore & stroke	66.5mm x 90mm
Capacity	1250 cc
Comp ratio	7.25:1
Head material	Cast Iron
Port size	Intake and Exhaust: 30 x 30mm
Piston material ...	Aluminum
Piston weight	9-1/2 oz
Timing data:	
Intake	Open 11° BTDC, Close 57° ABDC
Exhaust ...	Open 52° BBDC, Close 24° ATDC
Valve lift:	8mm
Valve head dia:	
Intake	33mm
Exhaust ...	31mm
Valve spring	93 lb shut, 123 lb open
Carburation	Two SU 1-1/4"

TRANSMISSION AND DRIVE TRAIN:

Ratios:	TC	TD, Mk II
1	3.38	3.5
2	1.95	2.07
3	1.35	1.385
4	1.0	1.0
5		

Final drive ratios: 4.875(39/8), 5.125(41/8)
TC Only: 5.428(38/7); TD, MkII Only: 4.55(41/9)

CHASSIS

Wheelbase	94"
Track dimension, front	45" (TC); 47-3/8" (TD)
Track dimension, rear	45" (TC); 50" (TD)
Shock absorber	Lever
Steering ratio	11:1 (TC); 13.75:1 (TD)
Brakes	
Tire size	4.50 x 15, 5.50 x 15

APPROVED OPTIONAL EQUIPMENT

PCS62 MG TC, TD Mk II

9.3:1 Compression ratio
36mm Inlet valves
34mm Exhaust valves
150 lbs (open) valves
AEG #122 camshaft
1-1/2" SU carburators
Duel fuel pumps
Dual fuel lines
6 qt sump
15" wire wheels (5.50x15) (TC)(TD,MkII equipped with disc wheels only)
Andrex shock absorbers (MkII)

MG TF 1250

Manufacturer: MG Class: H
Model: TF 1250

DESCRIPTION:
2-Seater Roadster
Dry Weight:

ENGINE: Type ..... 4 cyl ohv in line
Bore & stroke ..... 66.5mm x 90mm
Capacity ..... 1250 cc
Comp ratio 8.1:1
Head material ..... Cast Iron
Port size ..... Intake and Exhaust: 32 x 320mm
Piston material ... Aluminum
Piston weight ..... 9-1/2 oz
Timing data:
Intake .... Open 5° BTDC, Close 45° ABDC
Exhaust ... Open 45° BBDC, Close 5° ATDC
Valve lift: 8.3mm
Valve head dia:
Intake 36mm
Exhaust ... 34mm
Valve spring ..... 114 lb shut, 150 lb open
Carburation ..... Two SU 1-1/2"

TRANSMISSION AND DRIVE TRAIN:
Ratios:

1	3.5
2	2.07
3	1.385
4	1.0
5	

Final drive ratios: 4.55(41/9), 4.875(39/8), 5.125(41/8)

CHASSIS
Wheelbase ..... 94"
Track dimension, front ..... 47-3/8"
Track dimension, rear ..... 50"
Shock absorber ..... Girling or Armstrong piston
Steering ratio 13.15:1
Brakes .....
Tire size ..... 5.50 x 15

APPROVED OPTIONAL EQUIPMENT
9.3:1 Compression ratio

AEG #122 camshaft
1-1/2" SU carburators
Duel fuel pumps
Dual fuel lines
6 qt sump
Wire wheels

MG TF 1500

Manufacturer: MG Class: H
Model: TF 1500

DESCRIPTION:
2-Seater Roadster
Dry Weight:

ENGINE: Type ..... 4 cyl ohv in line
Bore & stroke ..... 72mm x 90mm
Capacity ..... 1466 cc
Comp ratio 8.3:1
Head material ..... Cast Iron
Port size ..... Intake and Exhaust: 32 x 32mm
Piston material ... Aluminum
Piston weight .....
Timing data:
Intake .... Open 5° BTDC, Close 45° ABDC
Exhaust ... Open 45° BBDC, Close 5° ATDC
Valve lift: 8.3mm
Valve head dia:
Intake 36mm
Exhaust ... 34mm
Valve spring ..... 114 lb shut, 150 lb open
Carburation ..... Two SU 1-1/2"

TRANSMISSION AND DRIVE TRAIN:
Ratios:

1	3.5
2	2.07
3	1.385
4	1.0
5	

Final drive ratios: 4.55(41/9), 4.875(39/8), 5.125(41/8)

CHASSIS
Wheelbase ..... 94"
Track dimension, front ..... 47-3/8"
Track dimension, rear ..... 50"
Shock absorber ..... Girling or Armstrong piston
Steering ratio 13.75:1
Brakes .....
Tire size ..... 5.50 x 15

APPROVED OPTIONAL EQUIPMENT
9.3:1 Compression ratio

Wire wheels
Duel fuel pumps
Dual fuel lines
6 qt sump
Competition clutch (AHH.5457)

MGA (1500)

Manufacturer: MG Class: F
Model: MGA (1500)

DESCRIPTION:
2-Seater Coupe and Roadster
Dry Weight: 2013 lbs

ENGINE: Type ..... 4 cyl ohv in line
Bore & stroke ..... 73mm x 89mm
Capacity ..... 1489 cc
Comp ratio 8.3:1
Head material ..... Cast Iron
Port size ..... Intake 1-3/8"; Exhaust 1-1/16" x 1-3/16"
Piston material ... Aluminum
Piston weight ..... 10 oz 8 drms
Timing data:
Intake .... Open 16° BTDC, Close 56° ABDC
Exhaust ... Open 51° BBDC, Close 21° ATDC
Valve lift: ..... 0.357"
Valve head dia:
Intake .... 1.5"
Exhaust ... 1.281"
Valve spring ..... Outer 60-1/2 lbs, Inner 30 lbs (fitted)
Carburation ..... Two Solex 1-1/2"

TRANSMISSION AND DRIVE TRAIN:
Ratios:

1	3.64	2.45
2	2.214	1.62
3	1.374	1.268
4	1.0	1.0
5		

Final drive ratios: 3.9, 4.1, 4.3, 4.55, 4.8

CHASSIS
Wheelbase ..... 94"
Track dimension, front ..... 47-1/2"
Track dimension, rear ..... 48-3/4"
Shock absorber ..... Armstrong Piston
Steering ratio 13.5:1
Brakes ..... 10" Drums
Tire size ..... 5.60 x 15

APPROVED OPTIONAL EQUIPMENT

MG camshaft (1H.603)
Exhaust valves (1H.1025)
Oil cooler kit (AJA.5291)
9.0:1 pistons (1H.1178)
Wire wheels (AHH.8000/8001)
Competition clutch assembly (AHH.5457)
10.0:1 pistons (1H.1108)
1-3/4" bore SU carburators and manifold
Heavy valve springs (1H.1111/1112)
Distributor (1H.1036)
20 gal fuel tank (AHH.5496)
Connecting rods (AEH.22/23)
Double fuel pump (AUA.73)
Limited slip differential (HAC.24)

MGA (1600)

Manufacturer: MG Class: F
Model: MGA (1600)

DESCRIPTION:
2-Seater Coupe and Roadster
Dry Weight: 2013 lbs

ENGINE: Type ..... 4 cyl ohv in line
Bore & stroke ..... 75.39mm x 88.9mm
Capacity ..... 1588 cc
Comp ratio 8.3:1
Head material ..... Cast Iron
Port size ..... Intake 1-1/8" dia; Exhaust 1-3/16" x 1-3/16"
Piston material ... Aluminum
Piston weight ..... 10 oz 8 drms
Timing data:
Intake .... Open 5° BTDC, Close 45° ABDC
Exhaust ... Open 40° BBDC, Close 10° ATDC
Valve lift: ..... 0.35"
Valve head dia:
Intake .... 1.5"
Exhaust ... 1.281"
Valve spring ..... Outer 60.5 lbs, Inner 30 lbs (fitted)
Carburation ..... Two SU H4

TRANSMISSION AND DRIVE TRAIN:
Ratios:

1	3.637	2.45
2	2.215	1.62
3	1.373	1.268
4	1.0	1.0
5		

Final drive ratios: 3.9, 4.1, 4.3, 4.55, 4.8

CHASSIS
Wheelbase ..... 94"
Track dimension, front ..... 47.5"
Track dimension, rear ..... 48.75"
Shock absorber ..... Lever Arm
Steering ratio 13.9:1
Brakes ..... Front: Disc (Pad area=21.6" sq)
Rear: Drum (Lining area=65.48" sq)
Tire size ..... 5.60 x 15

APPROVED OPTIONAL EQUIPMENT

- MG camshaft (1H.603)
- Exhaust valves (1H.1025)
- Oil cooler kit (ARH.113)
- Heavy valve springs (1H.1111/1112)
- Wire wheels (AHH.8000/8001)
- 20 gal fuel tank (AHH.5496)
- 17 gal fuel tank
- Disc brakes on rear wheels
- Double fuel pump
- 15 gal fuel tank (AHH.5863)
- Anti-roll bar
- Inlet manifold (AEH.200)
- 1-3/4" Carburators (AVC.780)
- 9.25:1 pistons (12H.173)
- Connecting rods (AEH.642 or 644)
- Competition clutch assembly (AHH.5457)
- Limited slip differential (HAC.24)

MGA 1600 Mk II

Manufacturer: MG Class: F
Model: MGA 1600 Mk II

DESCRIPTION:
2-Seater Coupe and Roadster
Dry Weight: 2015 lbs

ENGINE:

Type	4 cyl ohv in line
Bore & stroke	76.2mm x 88.9mm
Capacity	1622 cc
Comp ratio	8.9:1
Head material	Cast Iron
Port size	Intake 1-1/8" dia; Exhaust 1-13/16"
Piston material ...	Aluminum
Piston weight	
Timing data:	
Intake	Open 16° BTDC, Close 52° ABDC
Exhaust ...	Open 52° BBDC, Close 21° ATDC
	-or-
Intake	Open 24° BTDC, Close 64° ABDC
Exhaust ...	Open 59° BBDC, Close 29° ATDC
Valve lift:	0.35"
Valve head dia:	
Intake	1.562" or 1.567"
Exhaust ...	1.343" or 1.348"
Valve spring	Outer 58-60 lbs, Inner 30-32 lbs
Carburation	Two SU H4

TRANSMISSION AND DRIVE TRAIN:

Ratios:

1	3.637	2.45
2	2.214	1.62
3	1.374	1.268
4	1.0	1.0
5		

Final drive ratios: 3.9, 4.1, 4.3, 4.55, 4.875

CHASSIS

Wheelbase	94"
Track dimension, front	47.5" (disc), 47.875" (wire)
Track dimension, rear	48.75" (disc), 48.75" (wire)
Shock absorber	Lever Arm
Steering ratio	13.5:1
Brakes	Front: Disc, Rear: Drum
Tire size	5.60 x 15

APPROVED OPTIONAL EQUIPMENT

- Blanking sleeve (Thermo-bypass) II G 176
- 1-3/4" (H6) Carburators (AVC.780)
- Inlet Manifold (AEH.200)
- Heavy valve springs (1H.1111/1112)
- Oil cooler kit (8G.2282)
- Competition clutch assembly (AHH.5457)
- Close ratio gears
- HD Anti-roll bar(AHH.5940)
- HD Wire wheels, 60 spoke/steel rim (AHH.8001)
- Fuel tank - 25 gal (AHH.5590)
- Fuel tank - 18 gal (AHH.5863)
- Limited slip differential (HAC.24)
- Twin branch exhaust system (AH.6123)
- Competition flywheel (AEH.442)
- Wide overlap racing camshaft (AEH.714)

MGA Twin Cam

Manufacturer: MG Class: E
Model: MGA Twin Cam

DESCRIPTION:
2-Seater Coupe and Roadster
Dry Weight: 2105 lbs

ENGINE: Type ..... 4 cyl dohc in line
Bore & stroke ..... 75.47mm x 89mm
Capacity ..... 1588 cc
Comp ratio 9.9:1
Head material ..... Aluminum Alloy
Port size .....
Piston material ... Aluminum Alloy
Piston weight .....
Timing data:
Intake .... Open 20° BTDC, Close 50° ABDC
Exhaust ... Open 50° BBDC, Close 20° ATDC
Valve lift: ..... 0.375"
Valve head dia:
Intake .... 1.59"
Exhaust ... 1.44"
Valve spring .....
Carburation ..... Two SU H6

TRANSMISSION AND DRIVE TRAIN:
Ratios:

1	3.64	2.45
2	2.214	1.62
3	1.374	1.268
4	1.0	1.0
5		

Final drive ratios: 3.9, 4.1, 4.3, 4.5, 4.8

CHASSIS
Wheelbase ..... 94"
Track dimension, front ..... 47.5"
Track dimension, rear ..... 48.75"
Shock absorber ..... Lever
Steering ratio .....
Brakes .....
Tire size ..... 5.90 x 15

APPROVED OPTIONAL EQUIPMENT
Oil cooler (AJA.5291)

Connecting Rod (AEH.22/23)
Double fuel pump (AUA.73)
17 gal fuel tank
15 gal fuel tank
20 gal fuel tank (AHH.5496)
Limited slip differential (HAC.24)

Morgan 4/4 Series II

Manufacturer: Morgan Class: H
Model: 4/4 Series II

DESCRIPTION:
2-Seater Roadster
Dry Weight: 1465 lbs

ENGINE: Type ..... 4 cyl side valve (Ford 100E)
Bore & stroke ..... 63.5mm x 92.5mm
Capacity ..... 1172 cc
Comp ratio 7:1
Head material ..... Cast Iron
Port size .....
Piston material ...
Piston weight .....
Timing data:
Intake .... Open 10° BTDC, Close 50° ABDC
Exhaust ... Open 44° BBDC, Close 10° ATDC
Valve lift: ..... 0.2893", 0.2904"
Valve head dia:
Intake .... 1.16"
Exhaust ... 1.06"
Valve spring .....
Carburation ..... One Solex 21mm choke (Down draught)

TRANSMISSION AND DRIVE TRAIN:
Ratios:

1	3.93
2	2.205
3	1.0
4	
5	

Final drive ratios: 4.4

CHASSIS
Wheelbase ..... 96"
Track dimension, front ..... 47"
Track dimension, rear ..... 47"
Shock absorber .....
Steering ratio 2-1/4
Brakes .....
Tire size ..... 5.00 x 16, 5.20 x 15 (wire wheels)

APPROVED OPTIONAL EQUIPMENT
Aluminum cylinder head (8:1)

PCS62 Morgan 4-4 Series II
Dual 1-1/4" carburetors (SU)
Wire wheels (15")

PCS62 Morgan 4-4 Series III

Morgan 4/4 Series III

Manufacturer: Morgan Class: G
Model: 4/4 Series III

DESCRIPTION:
2-Seater Roadster
Dry Weight: 1450 lbs

ENGINE: Type ..... 4 cyl ohv in line (Ford 105E)
Bore & stroke ..... 80.96mm x 48.41mm
Capacity ..... 996 cc
Comp ratio 8.9:1
Head material ..... Cast Iron
Port size ..... Intake-1.283", Exhaust-1.088"
Piston material ... Aluminum
Piston weight ..... 0.876 lbs (with rings)
Timing data:
Intake .... Open 10° BTDC, Close 50° ABDC
Exhaust ... Open 44° BBDC, Close 10° ATDC
Valve lift: ..... 0.2893", 0.2904"
Valve head dia:
Intake .... 1.370"
Exhaust ... 1.192"
Valve spring .....
Carburation ..... One or two Solex DD

TRANSMISSION AND DRIVE TRAIN:
Ratios:
1 18.1
2 10.54
3 6.21
4 4.4
5
Final drive ratios: 4.4

CHASSIS
Wheelbase .....
Track dimension, front .....
Track dimension, rear .....
Shock absorber .....
Steering ratio 2-1/4
Brakes ..... Girling hydraulic 9 in drums
Tire size ..... 5.20 x 15, 5.60 x 15

APPROVED OPTIONAL EQUIPMENT
Disc brakes on front wheels

Morgan Plus 4 (1954-1957)

Manufacturer: Morgan Class: E
Model: Plus 4 (1954-1957)

DESCRIPTION:
2-Seater Steel-bodied Roadster
Dry Weight: 1900 lbs

ENGINE: Type ..... 4 cyl ohv in line (TR2-TR3)
Bore & stroke ..... 83mm x 92mm
Capacity ..... 1991 cc
Comp ratio 8.5:1, 9.2:1
Head material ..... Cast Iron
Port size ..... Intake-1.5", Exhaust-1.25"x1.06"
Piston material ... Aluminum Alloy
Piston weight ..... 22 oz complete
Timing data:
Intake .... Open 15° BTDC, Close 55° ABDC
Exhaust ... Open 55° BBDC, Close 15° ATDC
Valve lift: ..... 0.376", 0.425"
Valve head dia:
Intake .... 1-9/16"
Exhaust ... 1-5/16"
Valve spring ..... 166 lbs open
Carburation ..... Two SU H4

TRANSMISSION AND DRIVE TRAIN:
Ratios:

1	12.85	13.5
2	7.38	8.0
3	5.24	5.4
4	3.73	4.1
5		

Final drive ratios: 3.73(41/11), 4.1(41/10)

CHASSIS
Wheelbase ..... 96"
Track dimension, front ..... 47"
Track dimension, rear ..... 47"
Shock absorber .....
Steering ratio ..... 1-3/4 turns
Brakes .....
Tire size 5.00/5.25x16, 5.50x16,
5.60x15(wire wheels)

APPROVED OPTIONAL EQUIPMENT

15" Dunlop wire wheels
11" Disc brakes on front wheels
Electric fuel pump (in addition to mechanical pump)
Oversize liners (122166)
Oversize pistons (122208)
Cylinder head gasket (2054481)

Morgan Plus 4 (1957-1961)

Manufacturer: Morgan Class: C and E
Model: Plus 4 (1957-1961)

DESCRIPTION:
2-Seater Steel-bodied Roadster
Dry Weight:

ENGINE: Type ..... 4 cyl ohv in line (TR3)
Bore & stroke ..... 83mm x 92mm (86mm x 92mm)
Capacity ..... 1991 cc (2196 cc)
Comp ratio 8.5:1, 9.2:1
Head material ..... Cast Iron
Port size ..... Intake-1.5", Exhaust-1.25"x1.06"
Piston material ... Aluminum Alloy
Piston weight ..... 22 oz complete
Timing data:
Intake .... Open 15° BTDC, Close 55° ABDC
Exhaust ... Open 55° BBDC, Close 15° ATDC
-or-
Intake .... Open 43° BTDC, Close 76° ABDC
Exhaust ... Open 76° BBDC, Close 43° ATDC
Valve lift: ..... 0.376" or 10.16mm
Valve head dia:
Intake .... 1-9/16"
Exhaust ... 1-5/16"
Valve spring ..... 166 lbs open
Carburation ..... Two SU H6

TRANSMISSION AND DRIVE TRAIN:
Ratios:

1	12.85	13.5
2	7.38	8.0
3	5.24	5.4
4	3.73	4.1
5		

Final drive ratios: 3.73, 4.1

CHASSIS
Wheelbase ..... 96"
Track dimension, front ..... 47"
Track dimension, rear ..... 47"
Shock absorber .....
Steering ratio ..... 1-3/4 turns
Brakes .....
Tire size 5.00/5.25x16, 5.50x16,

PCS62 Morgan Plus 4 (1957-1961)
5.60x15(wire wheels), 5.00x15

APPROVED OPTIONAL EQUIPMENT (Allowed in both Class C and E)

15" Dunlop wire wheels
11" Disc brakes on front wheels
Electric fuel pump (in addition to mechanical pump)
Oversize liners (122166)
Oversize pistons (122208)
Cylinder head gasket (2054481)
Bore becomes 86mm</pre>

<pre>APPROVED OPTIONAL EQUIPMENT (Only permitted in Class C, prohibited in class E)

4 Branch exhaust system
Special inlet manifold
Aluminum sump
Oil cooler
High-lift camshaft
Competition push rods
Competition valve springs
Aluminum bodywork (Dry weight becomes 1764 lbs)
2 Weber 42 DCOE or 45 DCOE Carburators

NSU Sports Prinz

Manufacturer: NSU Class: H
Model: Sports Prinz

DESCRIPTION:
Bertone Coupe (Steel)
Dry Weight: 1065 lbs

ENGINE: Type ..... 2 cyl (ohc)
Bore & stroke ..... 75mm x 66mm (76mm x 66mm)
Capacity 583cc (598cc)
Comp ratio 7.6:1, 8.1:1
Head material ..... Aluminum Alloy
Port size ..... Intake 28.5mm,Exhaust 28mm
Piston material ... Aluminum Alloy
Piston weight ..... 416 grams, 341 grams
Timing data:
Intake .... Open 50° BTDC, Close 70° ABDC
Exhaust ... Open 70° BBDC, Close 50° ATDC
-or-
(Intake .... Open 48° BTDC, Close 72° ABDC)
(Exhaust ... Open 78° BBDC, Close 42° ATDC)
Valve lift: 7.5mm (10.5mm)
Valve head dia:
Intake 35mm
Exhaust ... 32mm
Valve spring ..... Outer 35Kg (38.6Kg), Inner 15.5Kg (16.3Kg)
Carburation ..... One Bing 7/28/20 (Solex 34 PCI)

TRANSMISSION AND DRIVE TRAIN:
Ratios:
1 4.14
2 2.21
3 1.41
4 1.0
5
Final drive ratios: 2.31

CHASSIS
Wheelbase ..... 78.25"
Track dimension, front ..... 47.25"
Track dimension, rear ..... 47.25"
Shock absorber ..... Telescopic
Steering ratio 16.85:1 (16.15:1)
Brakes ..... Drums - total lining area - 404 cm sq
Tire size ..... 4.40 x 12 (4.80 x 12)

APPROVED OPTIONAL EQUIPMENT

1962 Model - All specifications same as above, except as noted in parenthesis

PCS62 Panhard Dyna Junior

Panhard Dyna Junior

Manufacturer: Panhard Class: H
Model: Dyna Junior

DESCRIPTION:

2-Seater Convertible
Dry Weight: 1400 lbs

ENGINE:

Type	2 cyl ohv opposed, air-cooled
Bore & stroke	85mm x 75mm
Capacity	850 cc
Comp ratio	7.8:1
Power output	40 bhp @ 5000 RPM
Torque	47 ft/lb @ 4000 RMP
Carburation	Two dual throat DD Solex

TRANSMISSION AND DRIVE TRAIN:

Ratios:

1	16.33
2	10.35
3	6.33
4	4.55
5	

Final drive ratios: 4.55

CHASSIS

Wheelbase	83.8"
Track dimension, front	48"
Track dimension, rear	
Shock absorber	
Steering ratio	
Brakes	Lockheed Hydraulic
Tire size	145x400, 4.50x16, 5.20x15

APPROVED OPTIONAL EQUIPMENT

Porsche 356/1500 (Normal)

Manufacturer: Porsche Class: F
Model: 356/1500 (Normal)

DESCRIPTION:
Steel Coupe, Cabriolet and Roadster
Dry Weight:

ENGINE: Type ..... 4 cyl opposed
Bore & stroke ..... 3.15" x 2.91"
Capacity ..... 1488 cc
Comp ratio 7:1, 8:1
Head material ..... Aluminum Alloy
Port size ..... Intake 35mm, Exhaust 28mm
Piston material ... Aluminum Alloy
Piston weight ..... 12.5 oz
Timing data:
Intake .... Open 2°30' BTDC, Close 37°30' ABDC
Exhaust ... Open 37°30' BBDC, Close 2°30' ATDC
Valve lift: ..... 0.32"
Valve head dia:
Intake .... 1.5"
Exhaust ... 1.2"
Valve spring ..... Outer 83 lb @ 1.25", Inner 33 lb @ 1.20" (+/-10%)
Carburation ..... Two Solex 32PBI or 40PBIC

TRANSMISSION AND DRIVE TRAIN:
Ratios:

1	11.35	11.34	13.33
2	17.30	16.31	18.29
3	23.26	22.27	24.25
4	27.22	25.24	26.23
5			

Final drive ratios: 4.375(35/8), 4.428(31/7), 4.857(34/7), 5.167(31/6)

CHASSIS
Wheelbase ..... 82.7"
Track dimension, front ..... 50.8"
Track dimension, rear ..... 49.2"
Shock absorber ..... Fichtel and Sachs, Boge
Steering ratio 14.15:1
Brakes .....
Tire size ..... 5.00 x 16

APPROVED OPTIONAL EQUIPMENT

PCS62 Porsche 356 1500S (Super)

Porsche 356/1500S (Super)

Manufacturer: Porsche Class: D
Model: 356/1500S (Super)

DESCRIPTION:
Steel Coupe, Cabriolet and Roadster
Dry Weight:

ENGINE: Type ..... 4 cyl opposed
Bore & stroke ..... 3.15" x 2.91"
Capacity ..... 1488 cc
Comp ratio 8.2:1, 8.7:1
Head material ..... Aluminum Alloy
Port size ..... Intake 35mm, Exhaust 28mm
Piston material ... Aluminum Alloy
Piston weight ..... 12.5 oz
Timing data:
Intake .... Open 19° BTDC, Close 54° ABDC
Exhaust ... Open 54° BBDC, Close 19° ATDC
Valve lift: .....
Valve head dia:
Intake .... 1.5"
Exhaust ... 1.2"
Valve spring ..... Outer 83 lb @ 1.25", Inner 33 lb @ 1.20" (+/-10%)
Carburation ..... Two Solex 40PBIC

TRANSMISSION AND DRIVE TRAIN:
Ratios:

1	11.35	11.34	13.33
2	17.30	16.31	18.29
3	23.26	22.27	24.25
4	27.22	25.24	26.23
5			

Final drive ratios: 4.375(35/8), 4.428(31/7), 4.857(34/7), 5.167(31/6)

CHASSIS
Wheelbase ..... 82.7"
Track dimension, front ..... 50.8"
Track dimension, rear ..... 49.2"
Shock absorber ..... Fichtel and Sachs, Boge
Steering ratio 14.15:1
Brakes .....
Tire size ..... 5.00 x 16

APPROVED OPTIONAL EQUIPMENT

Porsche 356/1300

Manufacturer: Porsche Class: G
Model: 356/1300

DESCRIPTION:
Steel Coupe and Cabriolet
Dry Weight:

ENGINE: Type ..... 4 cyl opposed
Bore & stroke ..... 3.15" x 2.52"
Capacity ..... 1286 cc
Comp ratio 6.5:1, 7.5:1
Head material ..... Aluminum Alloy
Port size ..... Intake 35mm, Exhaust 28mm (at inner valve seat)
Piston material ... Aluminum Alloy
Piston weight ..... 12.5 oz
Timing data:
Intake .... Open 2°30' BTDC, Close 37°30' ABDC
Exhaust ... Open 37°30' BBDC, Close 2°30' ATDC
Valve lift: ..... Intake 0.35", Exhaust 0.32"
Valve head dia:
Intake .... 1.5"
Exhaust ... 1.2"
Valve spring ..... Outer 83 lb @ 1.25", Inner 33 lb @ 1.20" (+/-10%)
Carburation ..... Two Solex 32PBI

TRANSMISSION AND DRIVE TRAIN:
Ratios:

1	11.35	11.34	13.33
2	17.30	16.31	18.29
3	23.26	22.27	24.25
4	27.22	25.24	26.23
5			

Final drive ratios: 4.375(35/8), 4.428(31/7), 4.857(34/7), 5.167(31/6)

CHASSIS
Wheelbase ..... 82.7"
Track dimension, front ..... 50.8"
Track dimension, rear ..... 49.2"
Shock absorber ..... Fichtel and Sachs, Boge
Steering ratio 14.15:1
Brakes .....
Tire size ..... 5.00 x 16

APPROVED OPTIONAL EQUIPMENT

Porsche 356/1300S

Manufacturer: Porsche Class: G
Model: 356/1300S (Super)

DESCRIPTION:
Steel Coupe and Cabriolet
Dry Weight:

ENGINE: Type ..... 4 cyl opposed
Bore & stroke ..... 2.94" x 2.92"
Capacity 1290cc
Comp ratio 8.2:1, 9.2:1
Head material ..... Aluminum Alloy
Port size ..... Intake 35mm, Exhaust 28mm (at inner valve seat)
Piston material ... Aluminum Alloy
Piston weight ..... 12.5 oz
Timing data:
Intake .... Open 19° BTDC, Close 54° ABDC
Exhaust ... Open 54° BBDC, Close 19° ATDC
Valve lift: ..... Intake 0.40", Exhaust 0.36"
Valve head dia:
Intake .... 1.5"
Exhaust ... 1.2"
Valve spring ..... Outer 83 lb @ 1.25", Inner 33 lb @ 1.20" (+/-10%)
Carburation ..... Two Solex 32PBI or 40PBIC

TRANSMISSION AND DRIVE TRAIN:
Ratios:

1	11.35	11.34	13.33
2	17.30	16.31	18.29
3	23.26	22.27	24.25
4	26.23	27.22	25.24
5			

Final drive ratios: 4.375(35/8), 4.428(31/7), 4.857(34/7), 5.167(31/6)

CHASSIS
Wheelbase ..... 82.7"
Track dimension, front ..... 50.8"
Track dimension, rear ..... 49.2"
Shock absorber ..... Telescopic
Steering ratio 14.15:1
Brakes .....
Tire size ..... 5.00 x 16

APPROVED OPTIONAL EQUIPMENT

PCS62 Porsche 356A 1300-1300S

Porsche 356A/1300-1300S

Manufacturer: Porsche Class: G
Model: 356A/1300-1300S

DESCRIPTION:
Steel Coupe and Cabriolet
Dry Weight:

ENGINE: Type ..... 4 cyl opposed
Bore & stroke ..... 2.94" x 2.92"
Capacity 1290cc
Comp ratio 6.5:1, 7.5:1, 8.2:1, 9.2:1
Head material ..... Aluminum Alloy
Port size ..... Intake 35mm, Exhaust 28mm (at inner valve seat)
Piston material ... Aluminum Alloy
Piston weight ..... 12.5 oz
Timing data:
Intake .... Open 15° BTDC, Close 50° ABDC
Exhaust ... Open 50° BBDC, Close 15° ATDC
-or-
Intake .... Open 5° BTDC, Close 43° ABDC
Exhaust ... Open 43° BBDC, Close 5° ATDC
Valve lift: ..... Intake 0.337", Exhaust 0.319"
or Intake 0.40", Exhaust 0.36"
Valve head dia:
Intake .... 1.5"
Exhaust ... 1.2"
Valve spring ..... Outer 83 lb @ 1.25", Inner 33 lb @ 1.20" (+/-10%)
Carburation ..... Two Solex 32PBI, 32PBIC, or 40PBIC

TRANSMISSION AND DRIVE TRAIN:
Ratios:

1	11.35	11.34	13.33
2	17.30	16.31	18.29
3	23.26	22.27	24.25
4	27.22	25.24	26.23
5			

Final drive ratios: 4.375(35/8), 4.428(31/7), 4.857(34/7), 5.167(31/6)

CHASSIS
Wheelbase ..... 82.7"
Track dimension, front ..... 51.4"
Track dimension, rear ..... 50.1"
Shock absorber ..... Boge, Koni, Fichtel and Sachs
Steering ratio 16:1

Brakes .....
Tire size ..... 5.60 x 15, 5.90 x 15

APPROVED OPTIONAL EQUIPMENT

Compensating spring (rear axle)
Limited slip differential
80 litre fuel tank
Bucket sports seats
Center-lock wheels

PCS62 Porsche 356A 1500 GS, 1500G GT

Porsche 356A/1500 GS, 1500 GT "Carrera"

Manufacturer: Porsche Class: B
Model: 356A/1500GS, 1500GT "Carrerra"

DESCRIPTION:
Steel Coupe and Roadster
(Some have aluminum doors and deck lids)

ENGINE: Type ..... 4 cyl opposed - 4 ohc
Bore & stroke ..... 3.35" x 2.59"
Capacity ..... 1498 cc
Comp ratio 9:1, 10:1
Head material ..... Aluminum Alloy
Port size ..... Intake 45mm (1.772"), Exhaust 38mm (1.495")
Piston material ... Aluminum Alloy
Piston weight ..... 17.07 oz (with rings)
Timing data: (Intake cam lobe: 0.505")
Intake .... Open 38° BTDC, Close 78° ABDC
Exhaust ... Open 78° BBDC, Close 38° ATDC
Valve lift: .....
Valve head dia:
Intake .... 1.89"
Exhaust ... 1.615"
Valve spring ..... Outer 84 lb @ 1.062" (37Kg @ 27.0mm), +/-10%
Inner 58 lb @ 1.000" (26Kg @ 25.4mm), +/-10%
Carburation ..... Two Solex 40PJJ

TRANSMISSION AND DRIVE TRAIN:
Ratios:

1	11.34	13.33	11.35
2	17.30	16.31	18.29
3	22.27	24.25	23.26
4	25.24	26.23	27.22
5			

Final drive ratios: 4.428(31/7), 4.857(34/7), 5.167(31/6)

CHASSIS
Wheelbase ..... 82.7"
Track dimension, front ..... 51.4"
Track dimension, rear ..... 50.1"
Shock absorber ..... Telescopic
Steering ratio 16:1
Brakes .....
Tire size ..... 5.90 x 15

APPROVED OPTIONAL EQUIPMENT

Carburator velocity stacks
Two Solex 40PJJ-4 Carburators
6V or 12V electrical system
Compensating spring (rear axle)
Two Weber 40 DCM, DCM1, DCM2 Carburators
Ventilated brake backing plates
80 Litre fuel tank
Induction venturi
Bucket sports seats
Center-lock wheels
Stabilizer-16mm
Sodium-cooled intake valves
Limited-slip differential
Light-weight wheels

Note: Flywheel weight -
14.0 lbs
(7.71 lb in Roller-crank engines)
(17.0 lb in Plain bearing engines)

Porsche 356A-356B 1600 (Normal)

Manufacturer: Porsche Class: F
Model: 356A-356B/1600 (Normal)

DESCRIPTION:
Steel Coupe, Cabriolet, Roadster and Hard Top
Dry Weight:

ENGINE: Type ..... 4 cyl ohv opposed
Bore & stroke ..... 3.25" x 2.91"
Capacity ..... 1582 cc
Comp ratio 7.5-8.0:1
Head material ..... Aluminum Alloy
Port size ..... Intake 35mm, Exhaust 28mm
Piston material ... Aluminum Alloy
Piston weight ..... 12.34 oz (with rings)
Timing data:
Intake .... Open 5° BTDC, Close 43° ABDC
Exhaust ... Open 43° BBDC, Close 5° ATDC
Valve lift: ..... Intake: 0.334", Exhaust 0.323"
Valve head dia:
Intake .... 1.5"
Exhaust ... 1.22"
Valve spring ..... Outer 83.7 lb @ 1.247" (38.2Kg @ 31.7mm)
Inner 34.2 lb @ 1.185" (15.5Kg @ 30.2mm)
Carburation ..... Two Zenith 32NDIX or Pallas/Zenith NFIX

TRANSMISSION AND DRIVE TRAIN:
Ratios:

1	11:34	12:33			
2	17:30	16:31	15:32	18:29	
3	23:26	22:27	20:27	18:29	
4	27:22	25:24	24:25	23:26	20:27
5					

Final drive ratios: 4.428(31/7), 4.857(34/7), 5.167(31/6)

CHASSIS
Wheelbase ..... 82.7"
Track dimension, front ..... 51.4"
Track dimension, rear ..... 50.1"
Shock absorber ..... Telescopic
Steering ratio 16:1
Brakes ..... Drum type, total lining area=121.4 in sq
Tire size ..... 5.90 x 15, 5.60 x 15

APPROVED OPTIONAL EQUIPMENT

PCS62 Porsche 356A-356B 1600 (Normal)

Limited-slip differential
80 Litre fuel tank
Induction venturi
Center-lock wheels
Bucket sports seats
Compensating spring (rear axle)
Light-weight wheels
HD Sway bar (16mm)
Large front brakes (60mm wth ventilated backing plates)
Magnetic oil filter with centrifugel valve
Valve cover with ball check
Large oil pump
Centrifugal oil pickup

Notes: No Super pistons allowed in 1600 Normal
No Super-90 pistons allowerd in 1600 Super
Connecting Rod weights: 1600 Normal = 14.98 oz
1600 Super = 15.16 oz
1600 Super-90 = 16.57 oz
Flywheel weights: 1600 Normal, Super, and Super-90 = 17.79 lbs

Porsche 356A-356B 1600GS&GT

Manufacturer: Porsche Class: B
Model: 356A-356B/1600GS & 1600GT

DESCRIPTION:
2-Seater Steel Coupe and Roadster
(Some have aluminum doors and deck lids)

ENGINE:

Type	4 cyl opposed (4 ohc)
Bore & stroke	3.45" x 2.6"
Capacity	1588 cc
Comp ratio	9.8:1
Head material	Aluminum Alloy
Port size	Intake 1.773", Exhaust 1.495"
Piston material	Aluminum Alloy
Piston weight	1.035 lbs
Timing data:	
Intake	Open 40° BTDC, Close 80° ABDC
Exhaust	Open 80° BBDC, Close 40° ATDC
Valve lift:	Intake: 0.505", Exhaust 0.394"
Valve head dia:	
Intake	1.89"
Exhaust	1.615"
Valve spring	Outer 84 lb @ 1.062" (37Kg @ 27.0mm), +/-10%
	Inner 58 lb @ 1.000" (26Kg @ 25.4mm), +/-10%
Carburation	Two Solex 44 PII-4

TRANSMISSION AND DRIVE TRAIN:

Ratios:

1	11:34	12:33					
2	17:30	16:31	15:32	18:29			
3	22:27	20:27	18:29	23:26			
4	25:24	23:26	27:22	27:23	23:26	20:27	24:25
5							

Final drive ratios: 6:31, 7:31, 7:34

CHASSIS

Wheelbase	82.7"
Track dimension, front	51.4"
Track dimension, rear	50.1"
Shock absorber	Telescopic
Steering ratio	16:1
Brakes	Drum type, total lining area=149 in sq
Tire size	5.90 x 15, 165 x 15

APPROVED OPTIONAL EQUIPMENT

Carburator velocity stacks
Two Solex 40PJJ-4 Carburators
6V or 12V electrical system
Compensating spring (rear axle)
Two Weber 40 DCM, DCM1, DCM2 Carburators
Ventilated brake backing plates
80 Litre fuel tank
Induction venturi
Bucket sports seats
Center-lock wheels
Stabilizer-16mm
Sodium-cooled intake valves
Limited-slip differential
Light-weight wheels

Note: Flywheel weight -
14.0 lbs, 7.71 lb - Roller-crank engines)
17.0 lb - Plain bearing engines

Porsche 356A-356B 1600S (Super)

Manufacturer: Porsche Class: D
Model: 356A-356B/1600S (Super)

DESCRIPTION:
Steel Coupe, Cabriolet, Roadster and Hard Top
Dry Weight:

ENGINE: Type ..... 4 cyl ohv opposed
Bore & stroke ..... 3.25" x 2.91"
Capacity ..... 1582 cc
Comp ratio 8.5-9.0:1
Head material ..... Aluminum Alloy
Port size ..... Intake 35mm, Exhaust 28mm
Piston material ... Aluminum Alloy
Piston weight ..... 12.52 oz
Timing data:
Intake .... Open 15° BTDC, Close 50° ABDC
Exhaust ... Open 50° BBDC, Close 15° ATDC
-or-
Intake .... Open 19° BTDC, Close 54° ABDC (Roller Crank)
Exhaust ... Open 54° BBDC, Close 19° ATDC (engines only)
Valve lift: ..... Intake: 0.378", Exhaust 0.364"
Valve head dia:
Intake .... 1.5"
Exhaust ... 1.22"
Valve spring ..... Outer 83.7 lb @ 1.247" (38.2Kg @ 31.7mm)
Inner 34.2 lb @ 1.185" (15.5Kg @ 30.2mm)
Carburation ..... Two Pallas/Zenith NFIX

TRANSMISSION AND DRIVE TRAIN:
Ratios:

1	11:34	12:33			
2	17:30	16:31	15:32	18:29	
3	23:26	22:27	20:27	18:29	
4	27:22	25:24	24:25	23:26	20:27
5					

Final drive ratios: 4.428(31/7), 4.857(34/7), 5.167(31/6)

CHASSIS
Wheelbase ..... 82.7"
Track dimension, front ..... 51.4"
Track dimension, rear ..... 50.1"
Shock absorber ..... Telescopic
Steering ratio 16:1
Brakes ..... Drum type, total lining area=121.4 in sq

Tire size ..... 5.90 x 15, 5.60 x 15

APPROVED OPTIONAL EQUIPMENT

- Limited-slip differential
- 80 Litre fuel tank
- Induction venturi
- Center-lock wheels
- Bucket sports seats
- Compensating spring (rear axle)
- Light-weight wheels
- HD Sway bar (16mm)
- Large front brakes (60mm wth ventilated backing plates)
- Magnetic oil filter with centrifugel valve
- Valve cover with ball check
- Large oil pump
- Centrifugal oil pickup

Notes: No Super pistons allowed in 1600 Normal
No Super-90 pistons allowerd in 1600 Super
Connecting Rod weights: 1600 Normal = 14.98 oz
1600 Super = 15.16 oz
1600 Super-90 = 16.57 oz
Flywheel weights: 1600 Normal, Super, and Super-90 = 17.79 lbs

PCS62 Porsche 356B 1600 Super 90

Porsche 356B 1600 Super 90

Manufacturer: Porsche Class: C
Model: 356B/1600 Super 90

DESCRIPTION:
Steel Coupe, Cabriolet, Roadster and Hard Top
Dry Weight:

ENGINE: Type ..... 4 cyl ohv opposed
Bore & stroke ..... 3.25" x 2.91"
Capacity ..... 1582 cc
Comp ratio 9.0-9.5:1
Head material ..... Aluminum Alloy
Port size ..... Intake 1.458", Exhaust 1.11" @ inner valve seat
Piston material ... Aluminum Alloy
Piston weight ..... 13.08 oz
Timing data:
Intake .... Open 15° BTDC, Close 50° ABDC
Exhaust ... Open 50° BBDC, Close 15° ATDC
-or-
Intake .... Open 19° BTDC, Close 54° ABDC (Roller Crank)
Exhaust ... Open 54° BBDC, Close 19° ATDC (engines only)
Valve lift: ..... Intake: 0.378", Exhaust 0.364"
Valve head dia:
Intake .... 1.575"
Exhaust ... 1.22"
Valve spring ..... Outer 83.7 lb @ 1.247" (38.2Kg @ 31.7mm)
Inner 34.2 lb @ 1.185" (15.5Kg @ 30.2mm)
Carburation ..... Two Solex 40 PII-4

TRANSMISSION AND DRIVE TRAIN:
Ratios:

1	11:34	12:33			
2	17:30	16:31	15:32	18:29	
3	23:26	22:27	20:27	18:29	
4	27:22	25:24	24:25	23:26	20:27
5					

Final drive ratios: 4.428(31/7), 4.857(34/7), 5.167(31/6)

CHASSIS
Wheelbase ..... 82.7"
Track dimension, front ..... 50.8"
Track dimension, rear ..... 49.2"
Shock absorber ..... Telescopic
Steering ratio 16:1

Brakes ..... Drum type, total lining area=121.4 in sq
Tire size ..... 5.90 x 15, 165 x 15

APPROVED OPTIONAL EQUIPMENT

Limited-slip differential
80 Litre fuel tank
Induction venturi
Center-lock wheels
Bucket sports seats
Compensating spring (rear axle)
Light-weight wheels
HD Sway bar (16mm)
Large front brakes (60mm wth ventilated backing plates)
Magnetic oil filter with centrifugel valve
Valve cover with ball check
Large oil pump
Centrifugal oil pickup

Notes: No Super pistons allowed in 1600 Normal
No Super-90 pistons allowerd in 1600 Super
Connecting Rod weights: 1600 Normal = 14.98 oz
1600 Super = 15.16 oz
1600 Super-90 = 16.57 oz
Flywheel weights: 1600 Normal, Super, and Super-90 = 17.79 lbs

Renault-Alpine A.106 (747cc)

Manufacturer: Renault-Alpine Class: F
Model: A.106 (747 cc)

DESCRIPTION:
Fiberglass Coupe, Cabriolet, and "Berlinette Tour De France"
Dry Weight: 530Kg (1166 lbs)

ENGINE:
Type	4 cyl ohv in line
Bore & stroke	54.5mm x 80mm
Capacity	747 cc
Combustion Volume..	27 cc
Head material	Aluminum Alloy
Port size	Intake 37mm, Exhaust 37mm
Piston material ...	Aluminum
Piston weight	0.295Kg, compete
Timing data:	
Intake	Open 20° BTDC, Close 60° ABDC
Exhaust ...	Open 60° BBDC, Close 20° ATDC
Valve lift:	
Valve head dia:	
Intake	34 mm
Exhaust ...	30 mm
Valve spring	
Carburation	One or Two Weber 36DCL

TRANSMISSION AND DRIVE TRAIN:
Ratios:

1	37/10				
2	41/17	40/15	40/18		
3	37/22	40/20	33/28		
4	32/25	35/23	33/28		
5	31/30	35/28	30/31	31/28	33/29

Final drive ratios: 29/7, 33/9, 33/7, 33/6, 35/9, 35/8

CHASSIS

Wheelbase	2100mm
Track dimension, front	1225mm
Track dimension, rear	1220mm
Shock absorber	Telescopic
Steering ratio	
Brakes	1 or 2 leading shoe drum type - 228x35mm
Tire size	135-145 x 380, 135-155 x 380, 135-145 x 400

APPROVED OPTIONAL EQUIPMENT

Renault-Alpine A.108 (845cc)

Manufacturer: Renault-Alpine Class: F
Model: A.108 (845 cc)

DESCRIPTION:
Fiberglass Coupe, Cabriolet, and "Berlinette Tour De France"
Dry Weight: 530Kg (1166 lbs)

ENGINE: Type ..... 4 cyl ohv in line
Bore & stroke ..... 58mm x 80mm
Capacity ..... 845 cc
Combustion Volume.. 27 cc
Head material ..... Aluminum Alloy
Port size ..... Intake 37mm, Exhaust 37mm
Piston material ... Aluminum
Piston weight ..... 0.295Kg, compete
Timing data:
Intake .... Open 20° BTDC, Close 60° ABDC
Exhaust ... Open 60° BBDC, Close 20° ATDC
Valve lift: .....
Valve head dia:
Intake .... 34 mm
Exhaust ... 30 mm
Valve spring ......
Carburation ..... One or Two Weber 36DCC

TRANSMISSION AND DRIVE TRAIN:
Ratios:

1	37/10				
2	41/17	40/15	40/18		
3	37/22	40/20	33/28		
4	32/25	35/23	33/28		
5	31/30	35/28	30/31	31/28	33/29

Final drive ratios: 29/7, 33/9, 33/7, 33/6, 35/9, 35/8

CHASSIS
Wheelbase 2100mm
Track dimension, front 1225mm
Track dimension, rear 1220mm
Shock absorber ..... Telescopic
Steering ratio .....
Brakes ..... 1 or 2 leading shoe drum type - 228x35mm
Tire size ..... 135-145 x 380, 135-155 x 380, 135-145 x 400

APPROVED OPTIONAL EQUIPMENT

Renault-Alpine A.108-1000

Manufacturer: Renault-Alpine Class: F
Model: A.108-1000

DESCRIPTION:

Fiberglass Coupe, Cabriolet, and "Berlinette Tour De France"
Dry Weight: 530Kg (1166 lbs)

ENGINE:

Type	4 cyl ohv in line
Bore & stroke	63mm x 80mm
Capacity	998 cc
Combustion Volume..	30 cc
Head material	Aluminum Alloy
Port size	Intake 37mm, Exhaust 37mm
Piston material ...	Aluminum
Piston weight	
Timing data:	
Intake	Open 20° BTDC, Close 60° ABDC
Exhaust ...	Open 60° BBDC, Close 20° ATDC
Valve lift:	
Valve head dia:	
Intake	34 mm
Exhaust ...	30 mm
Valve spring	
Carburation	One or Two Weber 36DCL

TRANSMISSION AND DRIVE TRAIN:

Ratios:

1	37/10				
2	41/17	40/15	40/18		
3	37/22	40/20	33/28		
4	32/25	35/23	33/28		
5	31/30	35/28	30/31	31/28	33/29

Final drive ratios: 29/7, 33/9, 33/7, 33/6, 35/9, 35/8

CHASSIS

Wheelbase	2100mm
Track dimension, front	1225mm
Track dimension, rear	1220mm
Shock absorber	Telescopic
Steering ratio	
Brakes	1 or 2 leading shoe drum type - 228x35mm
Tire size	135-145 x 380, 135-155 x 380, 135-145 x 400

APPROVED OPTIONAL EQUIPMENT

Sabra

Manufacturer: Sabra Class: F
Model:

DESCRIPTION:
2-Seater Convertible
Dry Weight: 1765 lbs

ENGINE: Type ..... 4 cyl ohv in line (Ford Consul)
Bore & stroke ..... 82.6mm x 79.5mm
Capacity ..... 1703 cc
Comp ratio 8.8-9.5:1
Head material ..... Cast Iron
Port size ..... Inlet 1.5", Exhaust 1.01"
Piston material ... Aluminum
Piston weight ..... 4.18 - 4.22
Timing data:
Intake .... Open 17° BTDC, Close 51° ABDC
Exhaust ... Open 49° BBDC, Close 19° ATDC
Valve lift: ..... 0.349"
Valve head dia:
Intake .... 1.625"
Exhaust ... 1.187"
Valve spring ..... 106 lb @ 1.24"
Carburation ..... Zenith Single DD

TRANSMISSION AND DRIVE TRAIN:
Ratios:

1	2.53
2	1.71
3	1.23
4	1.0
5	

Final drive ratios: 3.55, 3.9, 4.4

CHASSIS
Wheelbase ..... 90"
Track dimension, front ..... 48"
Track dimension, rear ..... 48"
Shock absorber ..... Telescopic
Steering ratio ..... 2-1/2 turns
Brakes ..... Disc front, drum rear
Tire size ..... 155 x 15

APPROVED OPTIONAL EQUIPMENT
Two SU 1-1/2" carburetors

High-lift camshaft (200902)
Light flywheel (200779)
Wire wheels (200779)
15 gal fuel tank

SIATA 208 S

Manufacturer: SIATA Class: D
Model: 208 S

DESCRIPTION:
Coupe and Spyder
Dry Weight:

ENGINE: Type ..... V8 ohv
Bore & stroke ..... 72mm x 61.3mm
Capacity ..... 1996 cc
Comp ratio 8.5:1
Head material ..... Aluminum Alloy
Port size .....
Piston material ... Aluminum Alloy
Piston weight .....
Timing data:
Intake .... Open 12° BTDC, Close 31° ABDC
Exhaust ... Open 39° BBDC, Close 10° ATDC
Valve lift: 8.5mm
Valve head dia:
Intake 33mm
Exhaust ... 31mm
Valve spring .....
Carburation ..... Two Weber 36 DCF3

TRANSMISSION AND DRIVE TRAIN:
Ratios:

1	2.69
2	1.77
3	1.26
4	1.0
5	

Final drive ratios: 4.10(41/10), 4.45(40/9)

CHASSIS
Wheelbase 2400mm
Track dimension, front 1290mm
Track dimension, rear 1230mm
Shock absorber ..... Telescopic RIV
Steering ratio 16.4:1
Brakes .....
Tire size ..... 165 x 400, 5.90 x 15

APPROVED OPTIONAL EQUIPMENT

PCS62 Sprinzel Sebring Sprite

Sprinzel Sebring Sprite

Manufacturer: Sprinzel Class: C
Model: Sebring Sprite

DESCRIPTION:

2-Seater Aluminum Fiberglass Coupe
Dry Weight: 570Kg (1254 lbs)

ENGINE: Type ..... BMC Type A (Modified)
Bore & stroke ..... 2.538" x 3.0"
Capacity ..... 995 cc
Comp ratio 9.5-11:1
Head material ..... Cast Iron
Port size ..... Intake 38.1mm, 34.925mm
Piston material ... Aluminum
Piston weight .....
Timing data:
Intake .... Open 16° BTDC, Close 56° ABDC
Exhaust ... Open 51° BBDC, Close 21° ATDC
-or-
Intake .... Open 35° BTDC, Close 70° ABDC
Exhaust ... Open 70° BBDC, Close 35° ATDC
Valve lift: ..... 7.9mm, 0.400"
Valve head dia:
Intake .... 1-1/4"
Exhaust ... 1-3/16"
Valve spring ..... 140 lbs
Carburation ..... Two SU 1-1/2" (H4)

TRANSMISSION AND DRIVE TRAIN:

Ratios:

1	3.627	3.198
2	2.374	1.911
3	1.412	1.357
4	1.0	1.0
5		

Final drive ratios: 3.9, 4.22, 4.55, 4.875

CHASSIS

Wheelbase ..... 80"
Track dimension, front ..... 45-1/4"
Track dimension, rear ..... 44-3/4"
Shock absorber ..... Lever
Steering ratio 2-1/3
Brakes ..... Front disc, rear drums
Tire size ..... 5.25-5.50 x 13

APPROVED OPTIONAL EQUIPMENT

- Solid-skirt pistons
- 3-branch exhaust system
- Special camshaft bearings
- Competition clutch
- Competition crankshaft
- Competition cylinder head

Sunbeam Alpine Series I and II

Manufacturer: Sunbeam Class: F
Model: Alpine Series I and II

DESCRIPTION:
2-Seater Roadster (Steel)
Dry Weight: 2082 lbs

ENGINE: Type ..... 4 cyl ohv in line
Bore & stroke ..... 3.11" x 3.0" (3.21" x 3.0" Series II)
Capacity ..... 1494 cc (1592 cc Series II)
Comp ratio ..... 9.2:1 (9.1:1 Series II)
Head material ..... Aluminum Alloy
Port size ..... Intake 1.31", Exhaust 1.06"
Piston material ... Aluminum Alloy
Piston weight ..... 1.1 lbs
Timing data:
Intake .... Open 14° BTDC, Close 52° ABDC
Exhaust ... Open 56° BBDC, Close 10° ATDC
-or-
Intake .... Open 25° BTDC, Close 59° ABDC
Exhaust ... Open 63° BBDC, Close 21° ATDC
Valve lift: ..... Intake 0.366", Exhaust 0.364"
Valve head dia:
Intake .... 1.436"/1.432"
Exhaust ... 1.176"/1.172"
Valve spring ..... Outer 56 lbs, Inner 25 lbs fitted
Carburation ..... Two Zenith 36 WIP2

TRANSMISSION AND DRIVE TRAIN:
Ratios:

1	3.35	2.97
2	2.14	1.90
3	1.39	1.24
4	1.0	1.0
5		

Final drive ratios: 3.89, 4.22, 4.55, 4.778, 5.22

CHASSIS
Wheelbase ..... 86"
Track dimension, front ..... 51"
Track dimension, rear ..... 48.65"
Shock absorber ..... Lever arm (rear), Telescopic (front)
Steering ratio 14.5:1
Brakes ..... Disc (front) - Lining area = 20.6" sq,

Drum (rear) - Lining area = 60" sq

Tire size ..... 5.60 x 13, 5.90 x 13

APPROVED OPTIONAL EQUIPMENT

- Overdrive
- Knock-off wire whees
- Camshaft (#1208620)
- Flywheel (#1208623)
- Cylinder head (#1208624) or (S.233193)
- Front springs (#X66941) or (S.233185)
- Front anti-roll bar (#X66774) or (S.2331xx)
- 25 gal fuel tank

Triumph TR-2, TR-3, TR-3A

Manufacturer: Triumph Class: E
Model: TR-2, TR-3, TR-3A

DESCRIPTION:
2-Seater Steel Roadster
Dry Weight: 2000 lbs

ENGINE: Type ..... 4 cyl ohv in line
Bore & stroke ..... 3.268" x 3.622"
Capacity ..... 1991 cc
Comp ratio 8.5:1, 9.2:1
Head material ..... Cast Iron
Port size ..... Intake 1.5" dia, Exhaust 1.25" x 1.06"
Piston material ... Alloy
Piston weight ..... 1.434 lbs (with pin)
Timing data:
Intake .... Open 15° BTDC, Close 55° ABDC
Exhaust ... Open 55° BBDC, Close 15° ATDC
Valve lift: ..... 0.376"
Valve head dia:
Intake .... 1.564"
Exhaust ... 1.304"
Valve spring ..... Inner & Outer: 166 lbs at open position
Carburation ..... Two SU H4 or SU H6

TRANSMISSION AND DRIVE TRAIN:
Ratios:

1	3.38		
2	2.00	2.64 (od)	(sic-2.64 should have been 1.64)
3	1.325	1.09 (od)	
4	1.00	0.82 (od)	
5			

Final drive ratios: 3.7(37/10), 4.1(41/10)

CHASSIS
Wheelbase ..... 88"
Track dimension, front ..... 45"
Track dimension, rear ..... 45-1/2"
Shock absorber .....
Steering ratio 12:1
Brakes .....
Tire size ..... 5.50 x 15, 155 x 15, 5.90 x 15

APPROVED OPTIONAL EQUIPMENT

Overdrive
Undershield
Aluminum Sump
Competition front spring
Anti-roll bar (Triumph part #508397)
Oversize pistons and liners: (Bore becomes 86mm)
        Pistons: (#122208)
        Liners: (#122166)
        Cyl head casket: (#205481)
Wire wheels-60 spoke

Triumph TR-4

Manufacturer: Triumph Class: E
Model: TR-4

DESCRIPTION:
2-Seater Steel Roadster
Dry Weight: 2072 lbs

ENGINE: Type ..... 4 cyl ohv in line
Bore & stroke ..... 86mm x 92mm
Capacity ..... 2138 cc
Comp ratio 9.0
Head material ..... Cast Iron
Port size ..... Intake 1-5/8" dia, Exhaust 1-3/8" x 1-3/16"
Piston material ... Alloy
Piston weight ..... 1.44 lbs (with pin)
Timing data:
Intake .... Open 15° BTDC, Close 55° ABDC
Exhaust ... Open 55° BBDC, Close 15° ATDC
-or-
Intake .... Open 31° BTDC, Close 67° ABDC
Exhaust ... Open 70° BBDC, Close 28° ATDC
Valve lift: ..... 0.376" or 0.411"
Valve head dia:
Intake .... 1.56"
Exhaust ... 1.30"
Valve spring ..... Outer: 125lbs, Inner 69.5lbs, Aux Inner (Ex) 21.4lbs
Carburation ..... Two SU H6

TRANSMISSION AND DRIVE TRAIN:
Ratios:

1	3.139
2	2.01
3	1.325
4	1.00
5	

Final drive ratios: 3.7(37/10), 4.1(41/10), 4.3, 4.625

CHASSIS
Wheelbase ..... 88"
Track dimension, front ..... 49" (disc), 50" (wire)
Track dimension, rear ..... 48" (disc), 49" (wire)
Shock absorber ..... Front-telescopic, Rear-lever
Steering ratio 12:1

Brakes .....
Tire size ..... 5.50 x 15, 155 x 15, 5.90 x 15

APPROVED OPTIONAL EQUIPMENT

Competition valve springs (02065-TR4)
Overdrive (211020)
Wire wheels (60 spoke) (506169)
Aluminum sump (502126)
Competition front springs (201899)
Anti-roll bar (02052-TR4)
Undersize pistons and liners (1991 cc)
HD competition clutch (02051-TR4)
Oil radiator (02053-TR4)
Rear shock absorber kit (telescopic) (02054-TR4)
Limited slip differential (02055-TR4)
Competition push rods (02069-TR4)
Rear suspension torque rods (02056-TR4)
Competition exhaust system (02070-TR4)
HD Comp. valves
Cast alloy wheels (02057-TR4)
HD Steel comp. wheels (02058-TR4)

Turner 950 Sports

Manufacturer: Turner Class: F
Model: 950 Sports

DESCRIPTION:
Open 2-Seater, Fiberglass body
Dry Weight: 1176 lbs

ENGINE: Type ..... BMC 'A' 4 cyl ohc in line
Bore & stroke ..... 63mm x 76mm
Capacity ..... 948 cc
Comp ratio 8.3:1
Head material ..... Cast Iron
Port size ..... Intake 0.985", Exhaust 0.905"
Piston material ... Aluminum Alloy
Piston weight ..... 5 oz
Timing data:
Intake .... Open 5° BTDC, Close 45° ABDC
Exhaust ... Open 40° BBDC, Close 10° ATDC
Valve lift: ..... 0.265"
Valve head dia:
Intake .... 1.075"
Exhaust ... 1.0"
Valve spring ..... Standard A-35
Carburation ..... Two SU H1

TRANSMISSION AND DRIVE TRAIN:
Ratios:

1	3.628	2.25
2	2.374	1.67
3	1.412	1.23
4	1.0	1.0
5		

Final drive ratios: 3.75, 4.2, 4.3, 4.55, 4.875, 5.125, 5.375

CHASSIS
Wheelbase ..... 80.5"
Track dimension, front ..... 45.5"
Track dimension, rear ..... 44.75"
Shock absorber ..... Lever (front), telescopic (rear)
Steering ratio ..... 2-1/3 turns
Brakes ..... Drums, 7 x 1.25"
Tire size ..... 5.20 x 15, 5.20 x 13

APPROVED OPTIONAL EQUIPMENT
9.3 Compression pistons (flat top)

PCS62 Turner 950 Sports

Sports camshaft with timing as follows:

Intake	Open 50° BTDC, Close 70° ABDC
Exhaust ...	Open 78° BBDC, Close 42° ATDC

Alexander alloy head
9" disc brakes on front
8 x 1.5" drum brakes on rear
SU H2 Carburators
SU H4 Carburators
Oil radiator
Wire wheels with knock-off hubs
Anti-roll bars
Heavy duty valve springs
Z.F. Limited slip differential

Turner Climax

Manufacturer: Turner Class: D
Model: Climax

DESCRIPTION:
Open 2-Seater, Fiberglass body
Dry Weight: 1204 lbs

ENGINE: Type ..... 4 cyl ohc in line
Bore & stroke ..... 2.85" x 2.625"
Capacity ..... 1097 cc
Comp ratio 9.8:1
Head material ..... Aluminum Alloy
Port size ..... Intake 1-1/8", Exhaust 1-1/8"
Piston material ... Aluminum Alloy
Piston weight .....
Timing data:
Intake .... Open 12° BTDC, Close 56° ABDC
Exhaust ... Open 56° BBDC, Close 12° ATDC
Valve lift: ..... 0.310"
Valve head dia:
Intake .... 1.350"
Exhaust ... 1.20"
Valve spring ..... Outer 67 lb or 110.7lb, Inner 25lb or 45.3lb
Carburation ..... Two SU H4

TRANSMISSION AND DRIVE TRAIN:
Ratios:

1	2.25
2	1.67
3	1.23
4	1.0
5	

Final drive ratios: 4.2, 4.3, 4.55, 4.875, 5.125

CHASSIS
Wheelbase .....
Track dimension, front .....
Track dimension, rear .....
Shock absorber ..... Lever (front), telescopic (rear)
Steering ratio ..... 2-1/3 turns
Brakes .....
Tire size ..... 5.20 x 15, 5.60 x 13

APPROVED OPTIONAL EQUIPMENT
Oil radiator

PCS62 Turner Climax
Sports camshaft with following timing:
Intake .... Open 30° BTDC, Close 60° ABDC
Exhaust ... Open 60° BBDC, Close 30° ATDC
Lift..... 0.360"
Z.F. limited slip differential
Borg Warner limited slip differential
Anti-roll bars
Wire wheels with knock-off hubs

TVR Grantura (Climax)

Manufacturer: TVR Class: C
Model: Grantura (Climax)

DESCRIPTION:
2-Seater Coupe-Fiberglass
Dry Weight:

ENGINE: Type ..... 4 cyl ohc in line
Bore & stroke ..... 3.0" x 2.625"
Capacity ..... 1216 cc
Comp ratio 10.0:1
Head material ..... Aluminum
Port size ..... Intake 1.125"; Exhaust 1.125"
Piston material ... Aluminum
Piston weight ..... 12.5 oz
Timing data:
Intake .... Open 12° BTDC, Close 56° ABDC
Exhaust ... Open 56° BBDC, Close 12° ATDC
Valve lift: ..... Intake 0.360", Exhaust 0.310"
Valve head dia:
Intake .... 1.35"
Exhaust ... 1.25"
Valve spring ..... 225 lb/in
Carburation ..... Two SU

TRANSMISSION AND DRIVE TRAIN:
Ratios:

1	3.637
2	2.215
3	1.373
4	1.0
5	

Final drive ratios: 4.3, 4.55, 4.875

CHASSIS
Wheelbase ..... 84"
Track dimension, front ..... 52"
Track dimension, rear ..... 52"
Shock absorber ..... Telescopic
Steering ratio ..... 2 turns
Brakes ..... Front: Disc, Rear: Drum (11 x 1-3/4")
Tire size ..... 5.60 x 15

APPROVED OPTIONAL EQUIPMENT
None

TVR Grantura (MGA 1600)

Manufacturer: TVR Class: E
Model: Grantura (MGA 1600)

DESCRIPTION:
2-Seater Coupe-Fiberglass
Curb Weight: 14 cwt

ENGINE: Type ..... MGA 1600 4 cyl ohv in line
Bore & stroke ..... 75.39mm x 88.9mm
Capacity ..... 1588 cc
Comp ratio 8.3:1
Head material ..... Cast Iron
Port size ..... Intake 1-1/8" dia; Exhaust 1-3/16" x 1-3/16"
Piston material ... Aluminum
Piston weight ..... 10 oz 8 drms
Timing data:
Intake .... Open 5° BTDC, Close 45° ABDC
Exhaust ... Open 40° BBDC, Close 10° ATDC
Valve lift: ..... 0.35"
Valve head dia:
Intake .... 1.5"
Exhaust ... 1.281"
Valve spring ..... Outer 60.5 lbs, Inner 30 lbs (fitted)
Carburation ..... Two SU H4

TRANSMISSION AND DRIVE TRAIN:
Ratios:

1	3.637
2	2.215
3	1.373
4	1.0
5	

Final drive ratios: 4.3, 4.55, 4.875

CHASSIS
Wheelbase ..... 84"
Track dimension, front ..... 52"
Track dimension, rear ..... 52"
Shock absorber ..... Telescopic
Steering ratio ..... 2 turns
Brakes ..... Front: Disc, Rear: Drum (11 x 1-3/4")
Tire size ..... 5.60 x 15

APPROVED OPTIONAL EQUIPMENT

None

Volvo P1800

Manufacturer: Volvo Class: E
Model: P1800

DESCRIPTION:
2-Seater Coupe (Steel)
Dry Weight: 2480 lbs

ENGINE:
Type ..... 4 cyl ohv in line
Bore & stroke ..... 3.313" x 3.15"
Capacity ..... 1780 cc
Comp ratio 9.5-10.5:1
Head material ..... Cast Iron
Port size ..... Intake 1.49", Exhaust 1.41"
Piston material ... Aluminum
Piston weight ..... 15-18 oz
Timing data:
Intake .... Open 24° BTDC, Close 64° ABDC
Exhaust ... Open 62° BBDC, Close 26° ATDC
Valve lift: ..... 0.350" or 0.400"
Valve head dia:
Intake .... 1.575"
Exhaust ... 1.502"
Valve spring ..... 145-150 lbs @ 1.20"
Carburation ..... Two SU HS6

TRANSMISSION AND DRIVE TRAIN:
Ratios:

1	3.13
2	1.99
3	1.36
4	1.00
5	

Final drive ratios: 4.1, 4.56, 4.88

CHASSIS
Wheelbase ..... 96.5"
Track dimension, front ..... 52"
Track dimension, rear ..... 52"
Shock absorber ..... Telescopic
Steering ratio 15.5:1
Brakes ..... Front disc, rear drum
Tire size ..... 165 x 380

APPROVED OPTIONAL EQUIPMENT
Overdrive (Ratio 0.756)

HD Stabilizer bar