

Volvo PV544 Sport Catalogue

- Fast Road
- Historic Road Rally
- Road Rally
- Stage & Historic Rally
- Race

MSA Historic Rally Categories

Category 1: pre 1960 (HERO)

Category 1: 1960 – 1967 Historic



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2a Engine

- Mahle pistons
 - B16 (JP pistons only)
 - B18 +20, 30, 40, 60
 - B20 (early) +15, 30, 40
 - B20 (late) +15, 30
 - 2.1 litre pistons
- Steel oil pump
- Neoprene front & rear crankshaft seals
- Camshafts
 - D & K cams
 - 300° road rally camshaft
 - 310° competition camshaft
- Steel, and steel/alloy, timing gears
- Followers, lightened
- Sport Valve Train (7000rpm):
 - Uprated followers & pushrods
 - Double valve springs
- Pushrods, uprated
- Valves
 - Std valves, plus...
 - 36mm & 37mm Ex valve (B20)
 - Stellite 36mm Ex valve (B20)
 - 44mm In valve (B20)
- Gas flowed cylinder head
(inc hardened ex seats, phosphor bronze guides, valves, springs)
- Lightened flywheels, 5kg billet race flywheel.
- Heavy duty engine mounts
- Engine builds
 - Standard spec
 - Fast road/road rally
 - Stage spec
- Built to customers requirements, with our experience
- Machining done by Scholar Engines
- Gas Flowed heads by Grace Engineering

2b Cooling system

- Super X (3 core) Radiator
- Super X (3 core) Radiator, with fan-switch boss
 - 92°/87° electric fan thermo-switch
- 5 blade asymmetric Fan

2c Fuel & Exhaust systems

- Fuel tank, alloy
 - 90 litres
 - -06 main & reserve outlets
 - FIA breather valve
 - Foamfilled
 - Permits spare wheels to be stowed
- Fuel tank fitting kit
 - Aero strap downs
 - -06 unions x2; tap x2; T-piece
 - S/adhesive rubber strip
 - Sender & gauge, VDO
- Carburettors
 - SU H4's & HS6's reconditioned
 - Weber 45DCOE kits
- Steel braided fuel hosing
- Exhausts
 - 4-branch manifold
 - 4-2-1 manifold
 - 2" sports exhaust system



3 Electrical equipment, Instruments

- Distributors
 - Reconditioned
 - Recurved for modern fuel/camshafts
- Lumenition kits (legitimate on Cat2 cars)
- Distributors: brand new *I23Ignition*, with electronic ignition and spark management, selectable advance curves including our own “sports” option.
- NGK cooler spark plugs (prevent run-on)
- Bosch ignition components
- Alternator: 33A and 55A, onboard regulator
- Dynamo
- Lighting
 - Cibié H4 headlights
 - Xenon H4 bulbs
 - Cibié Oscar auxillary lamps
 - Lucas 576WFT reversing lamp
 - H1 bulbs in 55w, 80w & 100w
- Illumination
 - Bonnet/boot lamp
- Heated rear screen



4 Power Train, Rear axle

- Clutch: uprated clutch covers
 - 38mm & 43mm release bearings
 - Spigot bearing
- M42 sport clusters (for M40/M41 'boxes)
 - 1st: 2.46 (3.13)
 - 2nd: 1.82 (1.99)
 - 3rd: 1.30 (1.36)
 - 4th: 1:1 (1:1)
 - Rev: 2.64 (3.25)
- M40 conversion for B16 engines
- Differential
 - 4.56:1 crown wheel & pinion
 - 4.88:1 cw&p
 - 5.38:1 cw&p
 - Limited Slip Diff, clutch type
- Polyurethane Bushes, Rear
 - Support arms
 - Panhard rod
- Bilstein gas shock absorbers
- Road Springs, *manufactured solely for Amazon Cars*
 - Std height, +15% & 30% uprated springs

Special springs? We can have any variation fabricated for you – just call us to discuss the specification!

- Gearbox reconditioning
 - Needle bearings & f&r bearings replaced
 - New synchro springs
 - Full gasket & seal kit employed
 - New detent springs

5 Brakes

- Steel braided Teflon brake hoses
 - DIY kit with mandrel
 - Direct replacement hoses
- Hydraulic handbrake
- Front disc conversion kits
- Front brakes
 - Girling 3pot callipers
 - Brake discs
 - Brake disc on hub
 - Mintex 1144 & 1166 pads
 - Front brake shoes, M1144 compatible or woven material
- Rear brake conversion kit, to late Amazon type
- Rear brakes
 - Shoes in M1144 compatible or woven material
 - Brake drums
 - Girling type adjuster
 - Spring set

6 Front axle, Wheels, Steering

- Steering Wheel, Motolita
 - 13"/14"/15" leather rim slotted dished
- Wheels
 - 4" & 4.5" steel reconditioned wheels
 - 5" new wheels
 - 5.5" & 6" Minilite mag alloys
 - 6" Superlite mag alloys
 - Chrome dome wheelnuts
- Tyres
 - 175/70R15 Maxsport RB4, tarmac intermediate
 - 175/70R15 Maxsport RB3, M&S
- Polyurethane bushes, front
 - LWB bush x4
 - Anti roll →chassis x2
 - Anti roll link x8
- Bilstein gas shock absorber
- Twin f/s/absorber kit
(as used by Joghinder Singh on the Safari)
- Road Springs, *manufactured solely for Amazon Cars*
 - Std height, +15% & +30% uprated springs

Special springs? We can have any variation fabricated for you – just call us to discuss the specification!

8 Coachwork

- Roll cage: we are the Safety Devices agent
- Trim turnbuckles
- Heated rear screen
- Windscreen

9 Miscellaneous equipment

- **Sump Guard:** 6mm 6082 alloy
- **Steering Guard:** 6mm 6082 alloy
- Washer jet, twin jets

Production Information

<u>Cat 1 (pre 1960) "HERO"</u>			
	<i>engine</i>	<i>type</i>	<i>chassis</i>
PV444	B4		1950-1957
PV444	B16	L/LS	1957/1958
PV544	B16	A	1958-1960

NB: if you have front discs or B18, the car is Cat1

<u>Cat 1 (1960-1967) Historic</u>			
	<i>engine</i>	<i>type</i>	<i>chassis</i>
PV544	B16	B	1960/1961
PV544	B18	CDEFG	1961-1965

NB: if you have a B20 motor or Lumenition, the car is Cat2

Full Workshop Facilities

MoT - Engine & Gearbox builds - Propshafts
- Suspension -



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