A10VSO10/18/28/45/60/63/71/85/100/140

cylinder block	snap ring	drive shaft
piston shoe	spacer	ED72 control valve
retainer plate	saddle bearing	swash plate
valve plate	small bearing	coil spring
ball guide	big bearing	counter piston & guide
press pin	LR valve	control piston & guide

A2F12/23/28/55/80/107/160/200/225/250/350/500/1000

cylinder block	drive shaft
piston shoe	disc spring
retainer plate	socket bolt
valve plate	center pin

A4VSO40/45/50/56/71/125/180/250/355/500/750/1000

cylinder block	ball guide
piston shoe	retainer
retainer plate	limiter
valve plate	disc spring
thrust plate	

A7VO28/55/80/107/160/200/250/355/500

cylinder block	drive shaft
piston shoe	center pin
retainer plate	disc spring
valve plate	ring of piston
gear pump	socket bolt

A6VM28/55/80/107/140/160/200/250/355/500/1000

- cylinder block
- piston shoe
- retainer plate
- valve plate
- drive shaft
- center pin
- disc spring
- ring of piston
- socket bolt

A7V28/55/80/107/160/200/225/250/355/500/1000

- cylinder block
- piston shoe
- retainer plate
- valve plate
- drive shaft
- center pin
- disc spring
- socket bolt

A11V40/60/75/95/130/145/160/190/200/210/260

- cylinder block
- piston shoe
- retainer plate
- valve plate
- swash plate
- valve
- drive shaft
- ball guide
- saddle bearing
- retainer

A10VG18/28/45/63

- cylinder block
- piston shoe
- retainer plate
- valve plate
- ball guide
- drive shaft
- coil spring
- snap ring
- press pin
- spacer

A4VG28/40/56/71/90/125/180/250

cylinder block	charge pump	spacer
piston shoe	ball guide	snap ring
retainer plate	saddle bearing	disc spring
valve plate	bearing seat	
swash plate	coil spring	

EATON 3331/4621（4631）/5421（5431）/6423/7620（7621）

cylinder block	valve assy	
piston shoe	thrust plate	
retainer plate	drive shaft	
valve plate	bearing plate	
charge pump		

PVE19/21 TA19

cylinder block	ball guide	
piston shoe	coil spring	
retainer plate	spacer	
valve plate	snap ring	
swash plate	press pin	

PVH45/57/74/98/131/141

cylinder block	retainer	
piston shoe	limiter	
retainer plate	saddle bearing–wide	
valve plate	saddle bearing –narrow	
swash plate		

HPR75/90/100/105/130/160

- cylinder block
- piston shoe
- retainer plate
- valve plate
- ball guide
- drive shaft

HPV90/95/132/140/165

- cylinder block
- piston shoe
- retainer plate
- valve plate
- ball guide
- swash plate
- swash plate support

PC45R–8

- cylinder block
- piston shoe
- retainer plate
- valve plate
- ball guide
- thrust plate

PC60–6 PC60–7 PC78US–6 SWING

- cylinder block
- piston shoe
- retainer plate
- valve plate
- thrust plate

PC60–7 PC200–3/5 PC220–6/7 PC200–6/7 PC300–6/7 PC360–7 PC400–7

- cylinder block
- piston shoe
- retainer plate
- valve plate
- ball guide

PC200–7 SWING

- cylinder block
- piston shoe
- retainer plate
- valve plate
- center pin
- drive shaft

PC200–8 SWING

- cylinder block
- piston shoe
- retainer plate
- valve plate
- center pin

JMV44/22 45/28 53/34 64 53/31 76/45 147/95

- cylinder block
- piston shoe
- retainer plate
- valve plate
- ball guide

JMF151

cylinder block	ball guide
piston shoe	drive shaft
retainer plate	thrust plate
valve plate	

JMF33/36/43/47/53/64/80

cylinder block	valve plate
piston shoe	ball guide
retainer plate	thrust plate

K3V63/112/140/180/280DT

cylinder block	drive shaft
piston shoe	small bearing
retainer plate	big bearing
valve plate	gear pump
ball guide	swash plate assy
thrust plate	block spring

K3SP36C PUMP

cylinder block	valve plate
piston shoe	ball guide
retainer plate	drive shaft

K5V80

cylinder block	valve plate
piston shoe	ball guide
retainer plate	

K5V140/160/180/200

cylinder block	valve plate
piston shoe	ball guide
retainer plate	drive shaft

M2X22/45/55/63/96/120/128/146/150/170/210 SWING

cylinder block	drive shaft
piston shoe	ball guide
retainer plate	thrust plate
valve plate	ball guide spacer

M5X130/180 SWING

cylinder block	valve plate
piston shoe	thrust plate
retainer plate	

LPVD45/64/90/100/125/140

cylinder block	thrust plate
piston shoe	drive shaft
retainer plate	ball guide
valve plate	block spring

PV90R30/42/55/75/100/130/180/250

cylinder block	drive shaft	up spacer
piston shoe	swash plate	down spacer
retainer plate	retainer	snap ring
valve plate	saddle bearing	coil spring
thrust plate	bearing seat	charge pump

PV20/21/22/23/24/25/26/27

cylinder block	ball guide	control valve
piston shoe	thrust plate	shaft seal
retainer plate	brass bearing plate	bearing plate
valve plate	valve assy	coil spring
drive shaft	charge pump	block spring

MPV025/035/044/046 MPT025/035/044/046

cylinder block	matel
piston shoe	charge pump
retainer plate	coil spring
valve plate	press pin
ball guide	spacer
thrust plate	snap ring

MSG-18P/27P/44P/50P SWING

cylinder block	ball guide
piston shoe	drive shaft
retainer plate	thrust plate
valve plate	

MAG10/12/18/26/33/44/50/85/120/150/170/200/230VP/330

cylinder block	valve plate
piston shoe	ball guide
retainer plate	

KYB87 PUMP

cylinder block	valve plate
piston shoe	drive shaft
retainer plate	

PSVD2-13E/16E/17E/19E/21E/26E/27E/57E

cylinder block	valve plate
piston shoe	ball guide
retainer plate	drive shaft

A8VO55/80/107/120/140/160/200

cylinder block	center pin
piston shoe	main shaft
retainer plate	drive shaft
valve plate	

AP2D12/14/18/21/25/28/36/38/42

cylinder block	ball guide
piston shoe	drive shaft
retainer plate	thrust plate
valve plate	

SBS80/120/140 CAT312C/320C/325C

cylinder block	ball guide
piston shoe	thrust plate
retainer plate	main shaft
valve plate	drive shaft

CAT320 (AP-12)

cylinder block	ball guide
piston shoe	thrust plate
retainer plate	drive shaft
valve plate	

CAT12G/14G/16G/120G/140G

- cylinder block
- piston shoe
- retainer plate
- valve plate
- thrust plate
- drive shaft

SPK10/10(E200B) SPV10/10(MS180)

- cylinder block
- piston shoe
- retainer plate
- valve plate

PV16/20/23/28/32/40/46/63/80/92/140/180/270

- cylinder block
- piston shoe
- retainer plate
- valve plate
- drive shaft
- thrust plate
- swash plate
- retainer

PVK-2B-50/505 PUMP

- cylinder block
- piston shoe
- retainer plate
- valve plate
- ball guide
- drive shaft

GM03/05/06/07/08/09/10/17/18/20/23

- cylinder block
- piston shoe
- retainer plate
- valve plate
- ball guide

GM03/05/06/07/08/09/10/17/18/20/23/24/28/35/38VL

- cylinder block
- piston shoe
- retainer plate
- valve plate
- ball guide

GM35VA

- cylinder block
- piston shoe
- retainer plate
- valve plate
- ball guide
- drive shaft
- thrust plate

PV089/112/120 ARK90

- cylinder block
- piston shoe
- retainer plate
- valve plate
- ball guide
- bearing plate
- thrust plate
- drive shaft

PVB92

cylinder block	valve plate
piston shoe	ball guide
retainer plate	drive shaft

A10/16/22/37/40/45/56/70/90/100/125/145/220

cylinder block	valve plate
piston shoe	ball guide
retainer plate	

SG02/04/08/12/15/17/20/25 SWING

cylinder block	valve plate
piston shoe	thrust plate
retainer plate	

PVG065

cylinder block	retainer plate
piston shoe	

CUSTOMER MADE

DH300–7

- cylinder block
- piston shoe
- retainer plate
- valve plate
- ball guide
- drive shaft
- shoe plate

DH225–7行走

- cylinder block
- piston shoe
- retainer plate
- valve plate
- ball guide

HYUNDAI 60–7

- cylinder block
- piston shoe
- retainer plate
- valve plate
- ball guide
- thrust plate

PMP110

- cylinder block
- piston shoe
- retainer plate
- valve plate
- ball guide
- drive shaft
- thrust plate
- bearing plate

K3V112

Eaton 5421

HPV102

K3V63DT-9N09

K3V112DTP-9TEL

K5V140DTP-9C12

PV23

A4VG56

A4VG71

K5V200DTH-9N4H

GM35(SK200)

MAG33VP

A4VG71

A4VG90

A4VTG90

TM40

MAG85

TM18

A10VG45

MPV046

PV90R42

DH60-7

DX300-7

DH300-7