

LISTER ENGINE PARTS

ENGINE	TYPE	CYL	BORE	STROKE	PAGE
5/1	WATER COOLED	1	114.300	139.700	1
6/1					
8/1					
9/1					
10/2					
12/2					
16/2					
HA2	AIR COOLED	2	101.651	114.30	3
HA3					
HA4					
HA6					
HB2					
HB3					
HB4					
HB6					
HL4					
HL6					
HL6T					
HRA2					
HRA3					
HRA4					
HRA6					
HRS6					
HRW2	WATER COOLED	2	107.950	108.001	5
HRW3					
HRW4					
HRW6					
HW2	AIR COOLED	2	101.651	114.30	6
HW3					
HW4					
HW6					
LD1					
LD2					
LD3					
LP1	AIR COOLED	1	76.200	88.90	7
LR1					
LR2					
LT1					
LT2					
LV1					
LV2					
SL1					
SL2					
SL3					
SR1					
SR2					
SR3					
SR4					
ST1					
ST2					
ST3					

LISTER ENGINE PARTS

TYPE	ENGINE	CYL	BORE	STROKE	PAGE
TL2	AIR COOLED	2	98.425	101.60	18
TL3		3			
TR1		1			
TR2		2			19
TR3		3			
TS1		1			
TS2	2	95.250		20	
TS3	3				
TX2	2				
TX3	3			21	

PETTER ENGINE PARTS

TYPE	ENGINE	CYL	BORE	STROKE	PAGE
AA1	AIR COOLED	1	69.850	57.150	22
AB1		1			
AB1W	WATER COOLED	1	76.200	66.670	
AC1	AIR COOLED	1			
AC1W	WATER COOLED	1			
AC2	AIR COOLED	2			
AC2W	WATER COOLED	2	80.101	109.98	23
AV1		1			
AV2		2			
AVA1	AIR COOLED	1	76.200	76.200	24
AVA2		2			
PAZ1		1			
PH1		1			
PH1W	WATER COOLED	1	87.465	87.465	25
PH2	AIR COOLED	2			
PH2W	WATER COOLED	2			
PJ1	AIR COOLED	1	96.965	110.100	26
PJ1W	WATER COOLED	1			
PJ2	AIR COOLED	2			
PJ2W	WATER COOLED	2			
PJ3	AIR COOLED	3			
PJ3W	WATER COOLED	3			
PJ4	AIR COOLED	4			
PJ4W	WATER COOLED	4			28

LISTER ENGINE PARTS

TYPE	WATER COOLED	WATER COOLED	WATER COOLED
ENGINE	5/1	6/1	8/1
CYL	1	1	1
YEAR RANGE	1936->1976		1936->1976
MAIN JOURNAL	50.737/50.749	50.737/50.749	50.737/50.749
ROD JOURNAL	63.437/63.449	63.437/63.449	63.437/63.449
BORE & STROKE	114.300 X 139.700	114.300 X 139.700	114.300 X 139.700

PISTON			EM3293 (P+P) (b)
RINGS	EMR6250 (a)	EMR6250 (a)	EMR11020 (b)
BARREL/LINER	EM3066	EM3066	
MAIN BEARING			
ROD BEARING			
THRUST WASHER			
SMALL END BUSH			
VALVE COVER GASKET			
HEAD GASKET	EM4265	EM4265	
HEAD SET	EM4264	EM4264	
BOTTOM GASKET SET	EM4269	EM4269	
FULL GASKET SET	EM4263	EM4263	
INLET VALVE	EMV2283	EMV2283	EMV2283
EXHAUST VALVE	EMV2283	EMV2283	EMV2283
INLET GUIDE			
EXHAUST GUIDE			
OIL PUMP			
WATER PUMP			
CRANKSHAFT			

a) Available up to 0.020" oversize
b) Available up to 0.040" oversize

LISTER

1

LISTER ENGINE PARTS

TYPE	WATER COOLED	WATER COOLED	WATER COOLED
ENGINE	9/1	10/2	12/2
CYL	1	2	2
YEAR RANGE			
MAIN JOURNAL	50.737/50.749	50.737/50.749	50.737/50.749
ROD JOURNAL	63.437/63.449	63.437/63.449	63.437/63.449
BORE & STROKE	114.300/139.700	114.300/139.700	114.300/139.700

PISTON			
RINGS		EMR6250 (a)	EMR6250 (a)
BARREL/LINER		EM3066	EM3066
MAIN BEARING			
ROD BEARING			
THRUST WASHER			
SMALL END BUSH			
VALVE COVER GASKET			
HEAD GASKET	EM4278	EM4265 x2	EM4265 x2
HEAD SET			
BOTTOM GASKET SET			
FULL GASKET SET			
INLET VALVE		EMV2283	EMV2283
EXHAUST VALVE		EMV2283	EMV2283
INLET GUIDE			
EXHAUST GUIDE			
OIL PUMP			
WATER PUMP			
CRANKSHAFT			

LISTER ENGINE PARTS

TYPE	WATER COOLED	AIR COOLED	AIR COOLED
ENGINE	16/2	HA2	HA3
CYL	2	2	3
YEAR RANGE	1936->1976		
MAIN JOURNAL	50.737/50.749	76.175/76.187	76.175/76.187
ROD JOURNAL	63.437/63.449	66.637/66.650	66.637/66.650
BORE & STROKE	114.300/139.700	101.651 X 114.300	101.651 X 114.300

PISTON	EM3293 (P+P) (a)	EM4362 (ASSY) (b) EM3291 (P+P) (b)	EM4362 (ASSY) (b) EM3291 (P+P) (b)
RINGS	EMR11020 (a)	EMR18550K (b)	EMR18550K (b)
BARREL/LINER		EM7042	EM7042
MAIN BEARING		EM4108 x2 (a) EM4204 x1 (a)	EM4108 x2 (a) EM4204 x2 (a)
ROD BEARING		EM4203 x2 (a)	EM4203 x3 (a)
THRUST WASHER		EM6680 (c)	EM6680 (c)
SMALL END BUSH		EM6679 x2 (c)	EM6679 x2 (c)
VALVE COVER GASKET			
HEAD GASKET			
HEAD SET		EM6907	
BOTTOM GASKET SET			
FULL GASKET SET		EM6908	
INLET VALVE	EMV2283	EM3643	EM3643
EXHAUST VALVE	EMV2283	EM3644	EM3644
INLET GUIDE			
EXHAUST GUIDE			
OIL PUMP			
WATER PUMP			
CRANKSHAFT			

a) Available up to 0.040" oversize
b) Available up to 0.060" oversize

c) STD Size only available

LISTER

3

LISTER ENGINE PARTS

TYPE	AIR COOLED	AIR COOLED	AIR COOLED
ENGINE	HA4	HA6	HB2
CYL	4	6	2
YEAR RANGE			
MAIN JOURNAL	76.175/76.187	76.175/76.187	76.175/76.187
ROD JOURNAL	66.637/66.650	66.637/66.650	66.637/66.650
BORE & STROKE	101.651 X 114.300	101.651 X 114.300	101.651 X 114.300

PISTON	EM4362 (ASSY) (b) EM3291 (P+P) (b)	EM4362 (ASSY) (b) EM3291 (P+P) (b)	EM4362 (ASSY) (b) EM3291 (P+P) (b)
RINGS	EMR18550K (b)	EMR18550K (b)	EMR18550K (b)
BARREL/LINER	EM7042	EM7042	EM7042
MAIN BEARING	EM4204 x5 (a)	EM4204 x7 (a)	EM4108 x2 (a) EM4204 x1 (a)
ROD BEARING	EM4203 x4 (a)	EM4203 x6 (a)	EM4203 x2 (a)
THRUST WASHER	EM6680 (c)	EM6680 (c)	EM6680 (c)
SMALL END BUSH	EM6679 x4 (c)	EM6679 x6 (c)	EM6679 x2 (c)
VALVE COVER GASKET			
HEAD GASKET			
HEAD SET			EM6907
BOTTOM GASKET SET			
FULL GASKET SET			EM6908
INLET VALVE	EM3643	EM3643	EM3643
EXHAUST VALVE	EM3644	EM3644	EM3644
INLET GUIDE			
EXHAUST GUIDE			
OIL PUMP			
WATER PUMP			
CRANKSHAFT			

LISTER ENGINE PARTS

TYPE	AIR COOLED	AIR COOLED	AIR COOLED
ENGINE	HB3	HB4	HB6
CYL	3	4	6
YEAR RANGE			
MAIN JOURNAL	76.175/76.187	76.175/76.187	76.175/76.187
ROD JOURNAL	66.637/66.650	66.637/66.650	66.637/66.650
BORE & STROKE	101.651 X 114.300	101.651 X 114.300	101.651 X 114.300

PISTON	EM4362 (ASSY) (b) EM3291 (P+P) (b)	EM4362 (ASSY) (b) EM3291 (P+P) (b)	EM4362 (ASSY) (b) EM3291 (P+P) (b)
RINGS	EMR18550K (b)	EMR18550K (b)	EMR18550K (b)
BARREL/LINER	EM7042	EM7042	EM7042
MAIN BEARING	EM4108 x2 (a) EM4204 x2 (a)	EM4204 x5 (a)	EM4204 x7 (a)
ROD BEARING	EM4203 x3 (a)	EM4203 x4 (a)	EM4203 x6 (a)
THRUST WASHER	EM6680 (c)	EM6680 (c)	EM6680 (c)
SMALL END BUSH	EM6679 x3 (c)	EM6679 x4 (c)	EM6679 x6 (c)
VALVE COVER GASKET			
HEAD GASKET			
HEAD SET			
BOTTOM GASKET SET			
FULL GASKET SET			
INLET VALVE	EM3643	EM3643	EM3643
EXHAUST VALVE	EM3644	EM3644	EM3644
INLET GUIDE			
EXHAUST GUIDE			
OIL PUMP			
WATER PUMP			
CRANKSHAFT			

a) Available up to 0.040" oversize
b) Available up to 0.060" oversize

c) STD Size only available

LISTER

5

LISTER ENGINE PARTS

TYPE	AIR COOLED	AIR COOLED	AIR COOLED
ENGINE	HL4	HL6	HL6T
CYL	4	6	6
YEAR RANGE			
MAIN JOURNAL	82.525/82.537	82.525/82.537	82.525/82.537
ROD JOURNAL	69.817/69.830	69.817/69.830	69.817/69.830
BORE & STROKE	107.950 X 114.300	107.950 X 114.300	107.950 X 114.300

PISTON	EM3396 (P+P) (a) (c)	EM3396 (P+P) (a) (c)	
RINGS	EMR25710K (b)	EMR25710K (b)	
BARREL/LINER	EM2381	EM2381	EM2381
MAIN BEARING	EM4210 x4 (a)	EM4210 x6 (a)	EM4210 x6 (a)
ROD BEARING	EM4211 x4 (a)	EM4211 x6 (a)	EM4211 x6 (a)
THRUST WASHER			
SMALL END BUSH			
VALVE COVER GASKET			
HEAD GASKET			
HEAD SET			
BOTTOM GASKET SET			
FULL GASKET SET			
INLET VALVE	EMV34296	EMV34296	EMV34296
EXHAUST VALVE	EMV34297	EMV34297	EMV34297
INLET GUIDE			
EXHAUST GUIDE			
OIL PUMP			
WATER PUMP			
CRANKSHAFT			

LISTER ENGINE PARTS

TYPE	AIR COOLED	AIR COOLED	AIR COOLED
ENGINE	HRA2	HRA3	HRA4
CYL	2	3	4
YEAR RANGE			
MAIN JOURNAL	82.525/82.537	82.525/82.537	82.525/82.537
ROD JOURNAL	69.817/69.830	69.817/69.830	69.817/69.830
BORE & STROKE	108.001 X 114.300	108.001 X 114.300	108.001 X 114.300

PISTON	EM2379 (ASSY) (b) EM3292 (P+P) (b)	EM2379 (ASSY) (b) EM3292 (P+P) (b)	EM3396 (P+P) (a)
RINGS	EMR25710K (b)	EMR25710K (b)	EMR25710K (b)
BARREL/LINER	EM2381	EM2381	EM2381
MAIN BEARING	EM4209 x2 (a) EM4210 x1 (a)	EM4209 x2 (a) EM4210 x2 (a)	EM4210 x5 (a)
ROD BEARING	EM4211 x2 (a)	EM4211 x3 (a)	EM4211 x4 (a)
THRUST WASHER			
SMALL END BUSH	EM6681 x2 (c)	EM6681 x3 (c)	EM6681 x4 (c)
VALVE COVER GASKET			
HEAD GASKET	EM6942 x2	EM6942 x3	
HEAD SET	EM6909	EM6910	EM6945
BOTTOM GASKET SET			
FULL GASKET SET	EM6286	EM6287	EM6943
INLET VALVE	EMV34296	EMV34296	EMV34296
EXHAUST VALVE	EMV34297	EMV34297	EMV34297
INLET GUIDE	EMG50826	EMG50826	EMG50826
EXHAUST GUIDE	EMG50827	EMG50827	EMG50827
OIL PUMP			
WATER PUMP			
CRANKSHAFT			

a) Available up to 0.040" oversize
b) Available up to 0.060" oversize

c) STD Size only available

LISTER

7

LISTER ENGINE PARTS

TYPE	AIR COOLED	AIR COOLED	WATER COOLED
ENGINE	HRA6	HRS6	HRW2
CYL	6	6	2
YEAR RANGE			
MAIN JOURNAL	82.525/82.537	82.525/82.537	82.525/82.537
ROD JOURNAL	69.817/69.830	69.817/69.830	69.817/69.830
BORE & STROKE	108.001 X 114.300	108.001 X 114.300	108.001 X 114.300

PISTON	EM3396 (P+P) (a)	EM3396 (P+P) (a)	EM2379 (ASSY) (b) EM3292 (P+P) (b)
RINGS	EMR25710K (b)	EMR25710K (b)	EMR25710K (b)
BARREL/LINER	EM2381	EM2381	
MAIN BEARING	EM4210 x7 (a)	EM4210 x5 (a)	EM4209 x2 (a) EM4210 x1 (a)
ROD BEARING	EM4211 x6 (a)	EM4211 x4 (a)	EM4211 x2 (a)
THRUST WASHER			
SMALL END BUSH	EM6681 x4 (c)	EM6681 x4 (c)	EM6681 x2 (c)
VALVE COVER GASKET			
HEAD GASKET			EM6942 x2
HEAD SET	EM6946		EM6909
BOTTOM GASKET SET			
FULL GASKET SET	EM6944		EM6286
INLET VALVE	EMV34296	EMV34296	EMV34296
EXHAUST VALVE	EMV34297	EMV34297	EMV34297
INLET GUIDE	EMG50826	EMG50826	EMG50826
EXHAUST GUIDE	EMG50827	EMG50827	EMG50827
OIL PUMP			
WATER PUMP			
CRANKSHAFT			

LISTER ENGINE PARTS

TYPE	WATER COOLED	WATER COOLED	WATER COOLED
ENGINE	HRW3	HRW4	HRW6
CYL	3	4	6
YEAR RANGE			
MAIN JOURNAL	82.525/82.537	82.525/82.537	82.525/82.537
ROD JOURNAL	69.817/69.830	69.817/69.830	69.817/69.830
BORE & STROKE	108.001 X 114.300	108.001 X 114.300	108.001 X 114.300

PISTON	EM2379 (ASSY) (b) EM3292 (P+P) (b)	EM3396 (P+P) (a)	EM3396 (P+P) (a)
RINGS	EMR25710K (b)	EMR25710K (b)	EMR25710K (b)
BARREL/LINER			
MAIN BEARING	EM4209 x2 (a) EM4210 x2 (a)	EM4210 x5 (a)	EM4210 x7 (a)
ROD BEARING	EM4211 x3 (a)	EM4211 x4 (a)	EM4211 x6 (a)
THRUST WASHER			
SMALL END BUSH	EM6681 x3 (c)	EM6681 x4 (c)	EM6681 x6 (c)
VALVE COVER GASKET			
HEAD GASKET	EM6942 x3		
HEAD SET	EM6910	EM6945	EM6946
BOTTOM GASKET SET			
FULL GASKET SET	EM6287	EM6943	EM6944
INLET VALVE	EMV34296	EMV34296	EMV34296
EXHAUST VALVE	EMV34297	EMV34297	EMV34297
INLET GUIDE	EMG50826	EMG50826	EMG50826
EXHAUST GUIDE	EMG50827	EMG50827	EMG50827
OIL PUMP			
WATER PUMP			
CRANKSHAFT			

a) Available up to 0.040" oversize
b) Available up to 0.060" oversize

c) STD Size only available

LISTER

9

LISTER ENGINE PARTS

TYPE	AIR COOLED	AIR COOLED	AIR COOLED
ENGINE	HW2	HW3	HW4
CYL	2	3	4
YEAR RANGE			
MAIN JOURNAL	76.175/76.187	76.175/76.187	76.175/76.187
ROD JOURNAL	66.637/66.650	66.637/66.650	66.637/66.650
BORE & STROKE	101.651 X 114.300	101.651 X 114.300	101.651 X 114.300

PISTON	EM4362 (ASSY) (b) EM3291 (P+P) (b)	EM4362 (ASSY) (b) EM3291 (P+P) (b)	EM4362 (ASSY) (b) EM3291 (P+P) (b)
RINGS	EMR18550K (b)	EMR18550K (b)	EMR18550K (b)
BARREL/LINER	EM7042	EM7042	EM7042
MAIN BEARING	EM4108 x2 (a) EM4204 x1 (a)	EM4108 x2 (a) EM4204 x2 (a)	EM4204 x5 (a)
ROD BEARING	EM4203 x2 (a)	EM4203 x3 (a)	EM4203 x4 (a)
THRUST WASHER			
SMALL END BUSH			
VALVE COVER GASKET			
HEAD GASKET			
HEAD SET			
BOTTOM GASKET SET			
FULL GASKET SET			
INLET VALVE	EM3643	EM3643	EM3643
EXHAUST VALVE	EM3644	EM3644	EM3644
INLET GUIDE			
EXHAUST GUIDE			
OIL PUMP			
WATER PUMP			
CRANKSHAFT			

LISTER ENGINE PARTS

TYPE	AIR COOLED	AIR COOLED	AIR COOLED
ENGINE	HW6	LD1	LD2
CYL	6	1	2
YEAR RANGE			
MAIN JOURNAL	76.175/76.187	57.099/57.112	57.099/57.112
ROD JOURNAL	66.637/66.650	53.962/53.975	53.962/53.975
BORE & STROKE	101.651 X 114.300	76.200 X 88.900	76.200 X 88.900

PISTON	EM4362 (ASSY) (b) EM3291 (P+P) (b)		
RINGS	EMR18550K (b)	EMR9760K (a)	EMR9760K (a)
BARREL/LINER	EM7042	EM7041	EM7041
MAIN BEARING	EM4204 x7 (a)	EM4214 (SET) (a)	
ROD BEARING	EM4203 x6 (a)	EM4215 x1 (a)	EM4215 x2 (a)
THRUST WASHER			
SMALL END BUSH			
VALVE COVER GASKET			
HEAD GASKET			
HEAD SET			
BOTTOM GASKET SET			
FULL GASKET SET			
INLET VALVE	EM3643	EMV2947	EMV2947
EXHAUST VALVE	EM3644	EMV2947	EMV2947
INLET GUIDE			
EXHAUST GUIDE			
OIL PUMP			
WATER PUMP			
CRANKSHAFT			

a) Available up to 0.040" oversize
b) Available up to 0.060" oversize

LISTER ENGINE PARTS

TYPE	AIR COOLED	AIR COOLED	AIR COOLED
ENGINE	LD3	LP1	LR1
CYL	3	1	1
YEAR RANGE			
MAIN JOURNAL	57.099/57.112	41.262/41.275	57.099/57.112
ROD JOURNAL	53.962/53.975	41.262/41.275	53.962/53.975
BORE & STROKE	76.200 X 88.900	69.850 X 57.150	76.200 X 88.900

PISTON			
RINGS	EMR9760K (a)	EMR20940K (b)	EMR24564 (b)
BARREL/LINER	EM7041		
MAIN BEARING			
ROD BEARING	EM4215 x3 (a)		
THRUST WASHER			
SMALL END BUSH			
VALVE COVER GASKET			
HEAD GASKET			
HEAD SET			
BOTTOM GASKET SET			
FULL GASKET SET			
INLET VALVE	EMV2947		EMV2947
EXHAUST VALVE	EMV2947		EMV2947
INLET GUIDE			
EXHAUST GUIDE			
OIL PUMP			
WATER PUMP			
CRANKSHAFT		EM6940	EM6941

LISTER ENGINE PARTS

TYPE	AIR COOLED	AIR COOLED	AIR COOLED
ENGINE	LR2	LT1	LT2
CYL	2	1	2
YEAR RANGE			
MAIN JOURNAL	57.099/57.112	53.955/53.967	53.955/53.967
ROD JOURNAL	53.962/53.975	53.967/53.980	53.967/53.980
BORE & STROKE	76.200 X 88.900	82.550 X 76.200	82.550 X 76.200

PISTON		EM6085 (ASSY) (b)	EM6085 (ASSY) (b)
RINGS	EMR24564 (b)	EMR28174 (c)	EMR28174 (c)
BARREL/LINER		EM6932	EM6932
MAIN BEARING		EM4212 (SET) (a)	
ROD BEARING		EM4213 x1 (a)	
THRUST WASHER			
SMALL END BUSH		EMB7004 x1 (d)	
VALVE COVER GASKET			
HEAD GASKET		EM6933	EM6933 x2
HEAD SET		EM6090	
BOTTOM GASKET SET			
FULL GASKET SET		EM6091	
INLET VALVE	EMV2947	EMV35094	EMV35094
EXHAUST VALVE	EMV2947	EMV35095	EMV35095
INLET GUIDE			
EXHAUST GUIDE			
OIL PUMP			
WATER PUMP			
CRANKSHAFT			

a) Available up to 0.040" oversize
 b) Available up to 0.060" oversize

c) Available at STD, 0.020" & 0.040"
 d) STD size, up to engine no 34-005695

LISTER

13

LISTER ENGINE PARTS

TYPE	AIR COOLED	AIR COOLED	AIR COOLED
ENGINE	LV1	LV2	SL1
CYL	1	2	1
YEAR RANGE			
MAIN JOURNAL	53.955/53.967	53.955/53.967	57.099/57.112
ROD JOURNAL	53.967/53.980	53.967/53.980	53.962/53.975
BORE & STROKE	82.550 X 76.200	82.550 X 76.200	80.963 X 88.900

PISTON	EM6930 (ASSY) (b)	EM6930 (ASSY) (b)	
RINGS	EM6931 (b)	EM6931 (b)	EMR41800 (b)
BARREL/LINER			
MAIN BEARING	EM4212 (SET) (a)		EM4214 (SET) (a)
ROD BEARING	EM4213 x1 (a)		EM4215 x1 (a)
THRUST WASHER			
SMALL END BUSH			
VALVE COVER GASKET			
HEAD GASKET			
HEAD SET			
BOTTOM GASKET SET			
FULL GASKET SET			
INLET VALVE	EMV35094	EMV35094	EMV3642
EXHAUST VALVE	EMV35095	EMV35095	EMV3621
INLET GUIDE			
EXHAUST GUIDE			
OIL PUMP			
WATER PUMP			
CRANKSHAFT			

LISTER ENGINE PARTS

TYPE	AIR COOLED	AIR COOLED	AIR COOLED
ENGINE	SL2	SL3	SR1
CYL	2	3	1
YEAR RANGE			
MAIN JOURNAL	57.099/57.112	57.099/57.112	57.099/57.112
ROD JOURNAL	53.962/53.975	53.962/53.975	57.099/57.114
BORE & STROKE	80.963 X 88.900	80.963 X 88.900	88.900 X 88.900

PISTON			EM3289 (P+P) (b)
RINGS	EMR41800 (b)	EMR41800 (b)	EMR20900K (b)
BARREL/LINER			
MAIN BEARING	EM4216 (SET) (a)	EM4216 (SETx2) (a)	EM4205 (SET) (a)
ROD BEARING	EM4215 x2 (a)	EM4215 x3 (a)	EM4206 x1 (a)
THRUST WASHER			
SMALL END BUSH			
VALVE COVER GASKET			
HEAD GASKET			EM4274 x1
HEAD SET			EM4272 x1
BOTTOM GASKET SET			EM4273
FULL GASKET SET			EM4271
INLET VALVE	EMV3642	EMV3642	EMV3642 (c) EM34266 (d)
EXHAUST VALVE	EMV3621	EMV3621	EMV3621 (c) EM34267 (d)
INLET GUIDE			EMG92064 (d)
EXHAUST GUIDE			EMG92065 (d)
OIL PUMP			
WATER PUMP			
CRANKSHAFT			EM6938

a) Available up to 0.040" oversize
b) Available up to 0.060" oversize

c) 1961 - 1967
d) 1967 - 1975

LISTER

15

LISTER ENGINE PARTS

TYPE	AIR COOLED	AIR COOLED	AIR COOLED
ENGINE	SR2	SR3	SR4
CYL	2	3	4
YEAR RANGE			
MAIN JOURNAL	57.099/57.112		
ROD JOURNAL	57.099/57.114	57.099/57.114	57.099/57.114
BORE & STROKE	88.900 X 88.900	88.900 X 88.900	88.900 X 88.900

PISTON	EM3289 (P+P) (b)	EM3289 (P+P) (b)	EM3289 (P+P) (b)
RINGS	EMR20900K (b)	EMR20900K (b)	EMR20900K (b)
BARREL/LINER			
MAIN BEARING	EM4207 (SET) (a)		
ROD BEARING	EM4206 x2 (a)	EM4206 x3 (a)	EM4206 x4 (a)
THRUST WASHER			
SMALL END BUSH			
VALVE COVER GASKET			
HEAD GASKET	EM4274 x2	EM4274 x3	EM4274 x4
HEAD SET	EM6396	EM6937	EM4272 x4
BOTTOM GASKET SET			
FULL GASKET SET	EM3905	EM6906	
INLET VALVE	EMV3642 (c) EM34266 (d)	EMV3642 (c) EM34266 (d)	EMV3642 (c) EM34266 (d)
EXHAUST VALVE	EMV3621 (c) EM34267 (d)	EMV3621 (c) EM34267 (d)	EMV3621 (c) EM34267 (d)
INLET GUIDE	EMG92064 (d)	EMG92064 (d)	EMG92064 (d)
EXHAUST GUIDE	EMG92065 (d)	EMG92065 (d)	EMG92065 (d)
OIL PUMP			
WATER PUMP			
CRANKSHAFT	EM6939		

LISTER ENGINE PARTS

TYPE	AIR COOLED	AIR COOLED	AIR COOLED
ENGINE	ST1	ST2	ST3
CYL	1	2	3
YEAR RANGE			
MAIN JOURNAL	63.475/63.487	63.475/63.487	63.475/63.487
ROD JOURNAL	63.487/63.500	63.487/63.500	63.487/63.500
BORE & STROKE	95.250 X 88.900	95.250 X 88.900	95.250 X 88.900

PISTON	EM2992 (ASSY) (b) EM3290 (P+P) (b)	EM2992 (ASSY) (b) EM3290 (P+P) (b)	EM2992 (ASSY) (b) EM3290 (P+P) (b)
RINGS	EMR26834 (b)	EMR26834 (b)	EMR26834 (b)
BARREL/LINER	EM2991	EM2991	EM2991
MAIN BEARING	EM4217 x2 (a)	EM4217 x2 (a) EM4219 x1 (a)	EM4217 x2 (a) EM4219 x2 (a)
ROD BEARING	EM4227 x1 (a)	EM4227 x2 (a)	EM4227 x3 (a)
THRUST WASHER	EM6926 x2 (c)	EM6926 x2 (c)	EM6926 x3 (c)
SMALL END BUSH			
VALVE COVER GASKET			
HEAD GASKET	EM6922	EM6922 x2	EM6922 x3
HEAD SET	EM6923	EM6924	EM6925
BOTTOM GASKET SET			
FULL GASKET SET	EM4275	EM4276	EM4277
INLET VALVE	EMV34955	EMV34955	EMV34955
EXHAUST VALVE	EMV34956	EMV34956	EMV34956
INLET GUIDE			
EXHAUST GUIDE			
OIL PUMP			
WATER PUMP			
CRANKSHAFT	EM6673	EM6674	

a) Available up to 0.040" oversize
b) Available up to 0.060" oversize

c) Available at STD size only

LISTER ENGINE PARTS

TYPE			
ENGINE	TL2	TL3	TR1
CYL	2	3	1
YEAR RANGE			
MAIN JOURNAL	63.475/63.487	63.475/63.487	63.475/63.487
ROD JOURNAL			
BORE & STROKE	98.425 X	98.425 X	98.425 X

PISTON			EM6330 (ASSY) (b)
RINGS			EM6344 (b)
BARREL/LINER			EM6928
MAIN BEARING			EM6632 x1 (b) EM6633 x1 (b)
ROD BEARING			EM6634 x1 (b)
THRUST WASHER			EM6491 x2 (c)
SMALL END BUSH			
VALVE COVER GASKET			
HEAD GASKET			EM6929
HEAD SET			EM6418
BOTTOM GASKET SET			
FULL GASKET SET			EM6415
INLET VALVE	EM33469	EM33469	EM33469
EXHAUST VALVE	EM33470	EM33470	EM33470
INLET GUIDE			
EXHAUST GUIDE			
OIL PUMP			
WATER PUMP			
CRANKSHAFT			

LISTER ENGINE PARTS

TYPE			
ENGINE	TR2	TR3	TS1
CYL	2	3	1
YEAR RANGE			
MAIN JOURNAL	63.475/63.487	63.475/63.487	63.475/63.487
ROD JOURNAL			63.475/63.487
BORE & STROKE	98.425 X	98.425 X	95.250 X

PISTON	EM6330 (ASSY) (b)	EM6330 (ASSY) (b)	EM2992 (ASSY) (b) EM3290 (P+P) (b)
RINGS	EM6344 (b)	EM6344 (b)	EMR26834 (b)
BARREL/LINER	EM6928	EM6928	EM6927
MAIN BEARING	EM6632 x1 (b) EM6633 x1 (b) EM6631 x1 (b)	EM6632 x1 (b) EM6633 x1 (b) EM6631 x2 (b)	EM6632 x1 (b) EM6633 x1 (b)
ROD BEARING	EM6634 x2 (b)	EM6634 x3 (b)	EM6634 x1 (b)
THRUST WASHER			EM6491 x2 (c)
SMALL END BUSH			
VALVE COVER GASKET			
HEAD GASKET	EM6929 x2	EM6929 x3	EM6922
HEAD SET	EM6410	EM6411	EM6405
BOTTOM GASKET SET			
FULL GASKET SET	EM6416	EM6417	EM6406
INLET VALVE	EM33469	EM33469	EMV33467
EXHAUST VALVE	EM33470	EM33470	EMV33468
INLET GUIDE			
EXHAUST GUIDE			
OIL PUMP			
WATER PUMP			
CRANKSHAFT			

a) Available up to 0.040" oversize
b) Available up to 0.060" oversize

c) Available at STD size only

LISTER

19

LISTER ENGINE PARTS

TYPE			
ENGINE	TS2	TS3	TX2
CYL	2	3	
YEAR RANGE			
MAIN JOURNAL	63.475/63.487	63.475/63.487	
ROD JOURNAL	63.475/63.487	63.475/63.487	
BORE & STROKE	95.250 X	95.250 X	

PISTON	EM2992 (ASSY) (b) EM3290 (P+P) (b)	EM2992 (ASSY) (b) EM3290 (P+P) (b)	
RINGS	EMR26834 (b)	EMR26834 (b)	
BARREL/LINER	EM6927	EM6927	
MAIN BEARING	EM6632 x1 (b) EM6633 x1 (b) EM6631 x1 (b)	EM6632 x2 (b) EM6633 x1 (b) EM6631 x1 (b)	EM6632 x1 (b) EM6633 x1 (b) EM6631 x1 (b)
ROD BEARING	EM6634 x2 (b)	EM6634 x3 (b)	EM6665 x2 (a)
THRUST WASHER	EM6491 x2 (c)	EM6491 x2 (c)	EM6491 x2 (c)
SMALL END BUSH			
VALVE COVER GASKET			
HEAD GASKET	EM6922 x2	EM6922 x3	
HEAD SET	EM6092	EM6407	
BOTTOM GASKET SET			
FULL GASKET SET	EM6093	EM6408	
INLET VALVE	EMV33467	EMV33467	
EXHAUST VALVE	EMV33468	EMV33468	
INLET GUIDE			
EXHAUST GUIDE			
OIL PUMP			
WATER PUMP			
CRANKSHAFT			

LISTER ENGINE PARTS

TYPE	
ENGINE	TX3
CYL	
YEAR RANGE	
MAIN JOURNAL	
ROD JOURNAL	
BORE & STROKE	

PISTON	
RINGS	
BARREL/LINER	
MAIN BEARING	EM6632 x2 (b) EM6633 x1 (b) EM6631 x1 (b)
ROD BEARING	EM6665 x3 (a)
THRUST WASHER	EM6491 x2 (c)
SMALL END BUSH	
VALVE COVER GASKET	
HEAD GASKET	
HEAD SET	
BOTTOM GASKET SET	
FULL GASKET SET	
INLET VALVE	
EXHAUST VALVE	
INLET GUIDE	
EXHAUST GUIDE	
OIL PUMP	
WATER PUMP	
CRANKSHAFT	

- a) Available up to 0.040" oversize
b) Available up to 0.060" oversize

PETTER ENGINE PARTS

TYPE	AIR COOLED	AIR & WATER COOLED	AIR & WATER COOLED
ENGINE	AA1	AB1/AB1W	AC1/AC1W
CYL	1	1	1
YEAR RANGE			
MAIN JOURNAL	44.353/44.374	41.262/41.275	41.262/41.275
ROD JOURNAL	44.425/44.450	41.262/41.275	41.262/41.275
BORE & STROKE	69.85 X 57.15	76.200 X 66.670	76.200 X 66.670

PISTON	EM6948 (ASSY) (a)	EM6951 (ASSY) (a)	
RINGS	EMR20940K (b)	EMR34400K (a)	EMR34400K (a)
BARREL/LINER			
MAIN BEARING			
ROD BEARING			
THRUST WASHER			
SMALL END BUSH			
VALVE COVER GASKET			
HEAD GASKET	EM6950		
HEAD SET	EM6949		
BOTTOM GASKET SET			
FULL GASKET SET			
INLET VALVE			
EXHAUST VALVE			
INLET GUIDE	EMV34174 (c) EMV34478 (d)	EMV34478	EMV34478
EXHAUST GUIDE	EMV34175 (c) EMV34478 (d)	EMV34478	EMV34478
OIL PUMP			
WATER PUMP			
CRANKSHAFT			

PETTER ENGINE PARTS

TYPE	AIR & WATER COOLED	WATER COOLED	WATER COOLED
ENGINE	AC2/AC2W	AV1	AV2
CYL	2	1	2
YEAR RANGE			
MAIN JOURNAL	41.262/41.275	57.099/57.112	57.099/57.112
ROD JOURNAL	41.262/41.275	53.975/53.990	53.975/53.990
BORE & STROKE	76.200 X 66.670	80.101 X 109.980	80.101 X 109.980

PISTON		EM3294 (P+P) (b)	EM3294 (P+P) (b)
RINGS	EMR34400K (a)	EMR13530K (b)	EMR13530K (b)
BARREL/LINER		EM7043 Fully Finished	EM7043 Fully Finished
MAIN BEARING		EM4224 (set) (a)	
ROD BEARING		EM4226 x1 (a) (c) EM4228 x 1 (a) (d)	
THRUST WASHER			
SMALL END BUSH			
VALVE COVER GASKET			
HEAD GASKET		EM4282	EM4282 x2
HEAD SET		EM4280	EM4280 x2
BOTTOM GASKET SET		EM4281	EM4281
FULL GASKET SET		EM4279	EM4279 x2
INLET VALVE		EMV2490	EMV2490
EXHAUST VALVE		EMV2490	EMV2490
INLET GUIDE	EMV34478		
EXHAUST GUIDE	EMV34478		
OIL PUMP			
WATER PUMP			
CRANKSHAFT			

a) Available up to 0.040" oversize
b) Available up to 0.060" oversize

c) Up to engine 690149
d) From engine 690150

PETTER

23

PETTER ENGINE PARTS

TYPE	AIR COOLED	AIR COOLED	AIR COOLED
ENGINE	AVA1	AVA2	PAZ1
CYL	1	2	1
YEAR RANGE			
MAIN JOURNAL	57.099/57.112	57.099/57.112	44.353/44.374
ROD JOURNAL	53.975/53.990	53.975/53.990	44.425/44.450
BORE & STROKE	80.101 X 109.980	80.101 X 109.980	76.200 X 76.200

PISTON	EM3294 (P+P) (b)	EM3294 (P+P) (b)	EM6865 (ASSY) (b)
RINGS	EMR13530K (b)	EMR13530K (b)	EMR29000K (b)
BARREL/LINER	EM7046 (barrel) EM7044 (c) EM7045 (d)	EM7046 (barrel) EM7044 (c) EM7045 (d)	EM2387 Semi Finished
MAIN BEARING	EM4224 (set) (a)		EM6867 (b)
ROD BEARING	EM4226 x1 (a) (e) EM4228 x 1 (a) (f)		EM6866 (b)
THRUST WASHER			
SMALL END BUSH			
VALVE COVER GASKET			
HEAD GASKET			
HEAD SET			
BOTTOM GASKET SET	EM4281	EM4281	
FULL GASKET SET			
INLET VALVE	EMV2490	EMV2490	EM6868 (Set)
EXHAUST VALVE	EMV2490	EMV2490	
INLET GUIDE			
EXHAUST GUIDE			
OIL PUMP			
WATER PUMP			
CRANKSHAFT			

PETTER ENGINE PARTS

TYPE	AIR COOLED	WATER COOLED	AIR COOLED
ENGINE	PH1	PH1W	PH2
CYL	1	1	2
YEAR RANGE			
MAIN JOURNAL	60.274/60.287	60.274/60.287	60.274/60.287
ROD JOURNAL	60.312/60.325	60.312/60.325	60.312/60.325
BORE & STROKE	87.465 X 109.980	87.465 X 109.980	87.465 X 109.980

PISTON	EM2388 (ASSY) (b) EM3295 (P+P) (b)	EM2388 (ASSY) (b) EM3295 (P+P) (b)	EM2388 (ASSY) (b) EM3295 (P+P) (b)
RINGS	EMR10290K (b)	EMR10290K (b)	EMR10290K (b)
BARREL/LINER	EM2390 (barrel) EM2392 (c) EM2391 (d)	EM2389 Fully Finished	EM2390 (barrel) EM2392 (c) EM2391 (d)
MAIN BEARING	EM4220 (set) (a)	EM4220 (set) (a)	EM4222 (set) (a)
ROD BEARING	EM4221 x 1 (a)	EM4221 x 1 (a)	EM4223 (set) (a)
THRUST WASHER			
SMALL END BUSH			
VALVE COVER GASKET			
HEAD GASKET	EM4285	EM4285	EM4285 x2
HEAD SET	EM4284	EM4284	EM4284 x2
BOTTOM GASKET SET	EM6947	EM6947	
FULL GASKET SET	EM4283	EM4283	
INLET VALVE	EMV2635	EMV2635	EMV2635
EXHAUST VALVE	EMV2635	EMV2635	EMV2635
INLET GUIDE			
EXHAUST GUIDE			
OIL PUMP			
WATER PUMP			
CRANKSHAFT			

a) Available up to 0.040" oversize
b) Available up to 0.060" oversize

c) Straight Semi-Finished Liner
d) Flanged Semi-Finished Liner

PETTER

25

PETTER ENGINE PARTS

TYPE	WATER COOLED	AIR COOLED	WATER COOLED
ENGINE	PHW2	PJ1	PJ1W
CYL	2	1	1
MAIN JOURNAL	60.274/60.287	60.274/60.287 104.660/104.670	60.274/60.287 104.660/104.670
ROD JOURNAL	60.312/60.325	60.312/60.325	60.312/60.325
BORE & STROKE	87.465 X 109.980	96.965 X 110.100	96.965 X 110.100

PISTON	EM2388 (ASSY) (b) EM3295 (P+P) (b)	EM2393 (ASSY) (b)	EM2393 (ASSY) (b)
RINGS	EMR10290K (b)	EMR26230K (b)	EMR26230K (b)
BARREL/LINER	EM2389 Fully Finished		EM2394 Fully Finished
MAIN BEARING	EM4222 (set) (a)		
ROD BEARING	EM4223 (set) (a)		
THRUST WASHER			
SMALL END BUSH			
VALVE COVER GASKET			
HEAD GASKET			
HEAD SET		EM6663	
BOTTOM GASKET SET			
FULL GASKET SET		EM6664	
INLET VALVE	EMV2635	EMV1682	EMV1682
EXHAUST VALVE	EMV2635	EMV1683	EMV1683
INLET GUIDE			
EXHAUST GUIDE			
OIL PUMP			
WATER PUMP			
CRANKSHAFT			

PETTER ENGINE PARTS

TYPE	AIR COOLED	WATER COOLED	AIR COOLED
ENGINE	PJ2	PJ2W	PJ3
CYL	2	2	3
MAIN JOURNAL	60.274/60.287 60.312/60.325 104.660/104.670	60.274/60.287 60.312/60.325 104.660/104.670	
ROD JOURNAL	60.312/60.325	60.312/60.325	60.312/60.325
BORE & STROKE	96.965 110.100	96.965 110.100	96.965 110.100

PISTON	EM2393 (ASSY) (b)	EM2393 (ASSY) (b)	EM2393 (ASSY) (b)
RINGS	EMR26230K (b)	EMR26230K (b)	EMR26230K (b)
BARREL/LINER		EM2394 Fully Finished	
MAIN BEARING			
ROD BEARING			
THRUST WASHER			
SMALL END BUSH			
VALVE COVER GASKET			
HEAD GASKET			
HEAD SET			
BOTTOM GASKET SET			
FULL GASKET SET			
INLET VALVE	EMV1682	EMV1682	EMV1682
EXHAUST VALVE	EMV1683	EMV1683	EMV1683
INLET GUIDE			
EXHAUST GUIDE			
OIL PUMP			
WATER PUMP			
CRANKSHAFT			

a) Available up to 0.040" oversize
b) Available up to 0.060" oversize

PETTER ENGINE PARTS

TYPE	WATER COOLED	AIR COOLED	WATER COOLED
ENGINE	PJ3W	PJ4	PJ4W
CYL	3	4	4
MAIN JOURNAL	60.274/60.287 104.660/104.670		60.274/60.287 104.660/104.670
ROD JOURNAL	60.312/60.325	60.312/60.325	60.312/60.325
BORE & STROKE	96.876 X 110.000	96.965 110.100	96.965 110.100

PISTON	EM2393 (ASSY) (b)	EM2393 (ASSY) (b)	EM2393 (ASSY) (b)
RINGS	EMR26230K (b)	EMR26230K (b)	EMR26230K (b)
BARREL/LINER	EM2394 Fully Finished		EM2394 Fully Finished
MAIN BEARING			
ROD BEARING			
THRUST WASHER			
SMALL END BUSH			
VALVE COVER GASKET			
HEAD GASKET			
HEAD SET			
BOTTOM GASKET SET			
FULL GASKET SET			
INLET VALVE	EMV1682	EMV1682	EMV1682
EXHAUST VALVE	EMV1683	EMV1683	EMV1683
INLET GUIDE			
EXHAUST GUIDE			
OIL PUMP			
WATER PUMP			
CRANKSHAFT			