

Parts Book

부품 목록

发动机零件目录

Generator Diesel Engine
발전기용 엔진
柴油发电机发动机

D1146, D1146T, P086T1

Power Unit Engine
파워유닛용 엔진
动力发动机

PU086, PU086T
PU086T1

FOREWORD

- This parts list is shown the equipment components parts of 『DAEWOO Generator Engine **D1146**, **D1146T**, **P086TI** & Power Unit Engine **PU086**, **PU086T**, **PU086TI**』

1. HOW TO ORDER PARTS

When ordering parts, please specify the following items as shown in the following example.

- Ex. 1) Model of Engine : D1146 — Shown on cylinder block
2) Machine Serial No. : EBPOA300001
3) Part No. : 65.02501-0214
4) Description : Piston
5) Q'ty : 6
6) Purchaser's Name and Address:

2. HOW TO USE THIS PARTS LIST

Key No. : Key No. Shows the referring number of illustration.

Parts No. : Part No. is its own number.

Description : Part name. There is printed information such as size, specification with the part name or not. Components parts of one assembling part are shown with 『 • 』 mark and shown below of an assembling part. Also, if the components parts marked 『 • 』 consist of further components parts, these further component parts are with 『 • • 』.

Q'ty : “Q'ty” shows the quantity used for one machine, however “Q'ty” of component parts shows the quantity used for one assembling part.

EACOA/EACOB : D1146 GENERATOR ENGINE

EACPA : PU086(D1146) POWER UNIT ENGINE

EADOA/EADOB/EADOC : D1146T GENERATOR ENGINE

EADPA/EADPB/EADPC : PU086T(D1146T) POWER UNIT ENGINE

EBPOA/EBPOB/EBPOC : P086TI(D1146TIB) GENERATOR ENGINE

EBPPA : PU086TI(D1146TIB) POWER UNIT ENGINE

S.C : Abbreviation is service code of parts has its own meaning as shown below.

B : The parts with this abbreviation show that they require some work on them before installing in the machine.

D : The part with this abbreviation is a component of an assembling part and is not available independently. The assembling part containing this part should be orderd.

R : The part with this abbreviation shows that the quantity of the part is changed depending on the machine, such as an adjusting shim etc.

S : This part is specially provided as a service part, which was not provided in the machine before shipping from the factory.

G : This part needs special care(grade control) to perform the maintenance job. Before order, the grade of the paart should be confirmed(It should be same with the grade of matching part.)

OP : Optional parts.

EX : Specific design parts.

OS : Over-sized parts.

US : Under-sized parts.

(Part with abbreviation “OS” or “US” is described on the line below the standard sized part).

***** : The part with this abbreviation is not supplied for A/S.

- When repairing, it is recommended to use our standard parts.
- Researching the parts from Part No., see the Parts Index in finish of this parts list.
- Parts may be altered in a constant effort to improve machines. Then, it is recommended that customers contact our after service center.

Mar. 2004.

• **D1146, D1146T, P086TI** **PU086. PU086T,**
PU086TI

1.

가
 1) : D1146
 2) : EBPOA300001
 3) : 65.02501-0214
 4) :
 5) : 6
 6) :

2.

(Key No.) :
 (Part No.) :
 :
 ,

(Q'ty) : 1 1

EACOA/EACOB : D1146
EACPA : PU086(D1146)
EADOA/EADOB/EADOC : D1146T
EADPA/EADPB/EADPC : PU086T(D1146T)
EBPOA/EBPOB/EBPOC : P086TI(D1146TIB)
EBPPA : PU086TI(D1146TIB)

(S.C) **B** : 가
D : 가
R :
S :
G : (Grade) 가
OP :
EX :
OS :
US :
 (OS, US
***** : 가

•
•

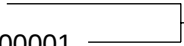
2004. 03.

前 言

- 此零件目录列举了出现在『大宇柴油发电机发动机 D1146, D1146T, P086TI 与 动力发动机 PU086, PU086T, PU086TI』上的设备构件。

1. 配件订购

订购配件时, 请提供以下内容

- 1) 引 擎 型 号 : D1146  — 标注于气缸上
- 2) 机 器 序 列 号 : EBPOA300001
- 3) 零 件 号 : 65.02501-0214
- 4) 名 称 : 活 塞
- 5) 数 量 : 6
- 6) 联系人名称及地址 :

2. 目录使用方法 :

序 号 (Key No.) : 序号与图中的编号相对应

零件号 (Part No.) : 即零件的编号

零件名称: 零件名称。零件名称下面部分有时也印刷有了尺寸、规格等信息。总成的构件前带有『•』标志, 并排在总成部件的后下面, 如总成构件可分解为小总成, 则小总成构件名称前带有『••』标志。

数 量: "数量"表示整个部件使用的零件数量, 但总成构件的数量表示总成使用的零件数。

(Qty) EACOA/EACOB : D1146 柴油发电机发动机
EACPA : PU086(D1146) 动力发动机
EADOA/EADOB/EADOC : D1146T 柴油发电机发动机
EADPA/EADPB/EADPC : PU086T(D1146T) 动力发动机
EBPOA/EBPOB/EBPOC : P086TI(D1146TIB) 柴油发电机发动机
EBPPA : PU086TI(D1146TIB) 动力发动机

服 务: 服务代码含义如下

(S.C) B : 此类的零件在装配前要进行处理
D : 此类的零件不单独提供, 要与包含此零件的总成一同订购
R : 此类的零件表示零件数量随机器的不同有所不同, 例, 调节垫片等
S : 此类的零件为专用维修备件, 在出厂前不提供
G : 此类的零件在维修时, 需要特殊维护 (级别控制)。因此, 订购前需要知道机器其余部件的级别, 所以请订购与机器零件级别相同的零件
OP : 选装件
EX : 专门设计的零件
OS : 超大尺寸零件
US : 尺寸不足的零件
(在标准尺寸零件线以下表示 "OS" 或 "US")
* : 按规定, 有这些缩写的零件不予提供。

- 当维修时, 推荐使用标准零件
- 用零件号查询零件, 请参阅目录后的 [零件索引]
- 本图册可能会随着机器的改进而有所改变。因此, 建议客户与我们的售后服务中心联系。

2004. 03.

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Fig.010
CYLINDER BLOCK | 실린더 블록 | 气缸体

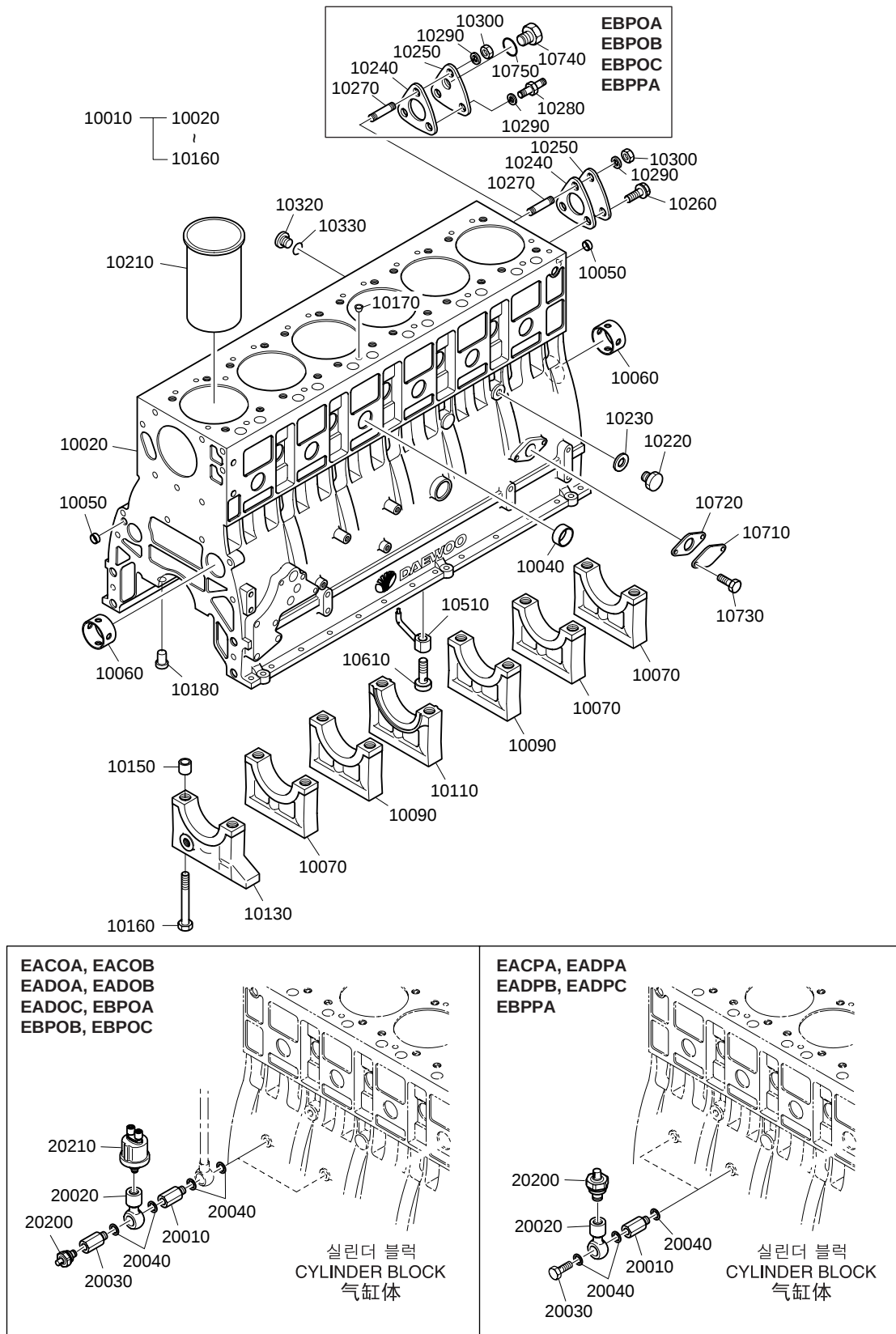


Fig.010
CYLINDER BLOCK | 실린더 블록 | 气缸体

Key No.	Part No.	Description	부 품 명	零 件 名 称	Q'ty							S.C	Remarks
					E A C O A / B	E A C P A	E A D O A / B / C	E A D P A / B	E A D C	E B O A / B / C	E B P A		
10010	65.01101-6040G	CYLINDER BLOCK ASS'Y	실린더 블록 조립품	气缸体总成	1	1	1	1	1	-	-		
-	65.01101-6046D	CYLINDER BLOCK ASS'Y	실린더 블록 조립품	气缸体总成	-	-	-	-	-	1	1		
10020	65.01101-0040M	· BLOCK ; CYLINDER	· 실린더 블록	· 气缸体	1	1	1	1	1	1	1	D	
10040	06.15091-0326	· PLUG ; CORE	· 코어 플러그	· 中心孔塞	9	9	9	9	9	9	9		
10050	06.15091-0313	· PLUG ; CORE	· 코어 플러그	· 中心孔塞	2	2	2	2	2	2	2		
10060	65.04410-0017	· BUSH ; CAMSHAFT	· 캠 축 부쉬	· 凸轮轴衬套	4	4	4	4	4	4	4		
10070	65.01105-1172B	· CAP ; BEARING	· 베어링 캡	· 轴承盖	3	3	3	3	3	-	-	D	
-	65.01105-1173C	· CAP ; BEARING	· 베어링 캡	· 轴承盖	-	-	-	-	-	3	3	D	
10090	65.01105-1160F	· CAP ; BEARING	· 베어링 캡	· 轴承盖	2	2	2	2	2	-	-	D	
-	65.01105-1174C	· CAP ; BEARING	· 베어링 캡	· 轴承盖	-	-	-	-	-	1	1	D	
10110	65.01105-1156D	· CAP ; BEARING	· 베어링 캡	· 轴承盖	1	1	1	1	1	-	-	D	
-	65.01105-1176C	· CAP ; BEARING	· 베어링 캡	· 轴承盖	-	-	-	-	-	2	2	D	
10130	65.01105-1164E	· CAP ; BEARING	· 베어링 캡	· 轴承盖	1	1	1	1	1	-	-	D	
-	65.01105-1175C	· CAP ; BEARING	· 베어링 캡	· 轴承盖	-	-	-	-	-	1	1	D	
10150	65.91710-0035B	· RING ; LOCATING	· 고정 링	· 定位环	14	14	14	14	14	14	14		
10160	65.90020-0035B	· BOLT ; BEARING CAP	· 베어링 캡 볼트	· 轴承盖固定螺栓	14	14	14	14	14	14	14		
10170	65.91001-0002	PLUG	플러그	中心孔塞	2	2	2	2	2	2	2		
10180	65.91020-0013	PLUG	플러그	中心孔塞	1	1	1	1	1	1	1		
10210	65.01201-0050	LINER ; CYLINDER	실린더 라이너	气缸套	6	6	6	6	6	6	6		
10220	65.90310-0091	SCREW ; PLUG M12x1.5x20	플러그 스크류	螺塞	1	1	1	1	1	1	1		
10230	06.56190-0704	RING ; SEAL A12x18	시일 링	密封环	1	1	1	1	1	1	1		
10240	65.96601A0042	GASKET ; END COVER	엔드 커버 가스켓	端盖衬垫	1	1	1	1	1	1	1		
10250	65.91605-0006B	COVER ; END	엔드 커버	端盖	1	1	1	1	1	-	-		
-	65.91605-5001	COVER ; CORE HOLE	코어 홀 커버	铸孔盖	-	-	-	-	-	1	1		
10260	06.01913-3114	BOLT ASS'Y M8x22	볼트 조립품	螺栓总成	2	2	2	2	2	1	1		
10270	06.06225-0704	BOLT ; STUD M8x20	스터드 볼트	双头螺栓	1	1	1	1	1	1	1		
10280	65.90201-0075	BOLT ; SPACER	스페이서 볼트	定位螺栓	-	-	-	-	-	1	1		
10290	06.16731-2107	WASHER ; SPRING A8	스프링 와셔	弹簧垫圈	1	1	1	1	1	2	2		
10300	06.11063-8214	NUT ; HEX. M8	육각 너트	六角螺母	1	1	1	1	1	1	1		
10320	65.90310-0109	SCREW ; PLUG M16x2	플러그 스크류	螺塞	1	1	1	1	1	-	-		
10330	06.56190-0709	RING ; SEAL A16x22	시일 링	密封环	1	1	1	1	1	-	-		
10510	65.01601-6003	OIL SPRAY NOZZLE ASS'Y	오일 스프레이 노즐 조립품	机油喷嘴总成	-	-	6	6	6	-	-		
-	65.01601-6005	OIL SPRAY NOZZLE ASS'Y	오일 스프레이 노즐 조립품	机油喷嘴总成	-	-	-	-	-	6	6		
10610	65.05405-6001	RELIEF VALVE ASS'Y	릴리프 밸브 조립품	安全阀总成	-	-	6	6	6	6	6		
10710	65.91605-0111	COVER ; CORE HOLE	코어 홀 커버	铸孔盖	1	1	-	-	1	1	1		
10720	65.96601-0045A	GASKET ; OIL RETURN PIPE	오일 리턴 파이프 가스켓	回油管衬垫	1	1	-	-	1	1	1		
10730	06.01913-3113	BOLT ASS'Y M8x20	볼트 조립품	螺栓总成	-	-	-	-	2	-	-		
-	06.01913-3114	BOLT ASS'Y M8x22	볼트 조립품	螺栓总成	2	2	-	-	-	2	2		
10740	06.08092-2406	SCREW ; PLUG M18x1.5DS	플러그 스크류	螺塞	-	-	-	-	-	1	1		
10750	06.56190-0713	RING ; SEAL A18x24	시일 링	密封环	-	-	-	-	-	1	1		
20010	65.98130-0095	ADAPTER	어댑터	接头	1	1	-	-	-	-	-		
-	65.98131-0037	SCREW ; SPACER	스페이서 스크류	间隔螺钉	-	-	1	1	1	1	1		
20020	65.98130-0076	ADAPTER	어댑터	接头	-	1	-	1	1	-	1		

Fig.010
CYLINDER BLOCK | 실린더 블록 | 气缸体

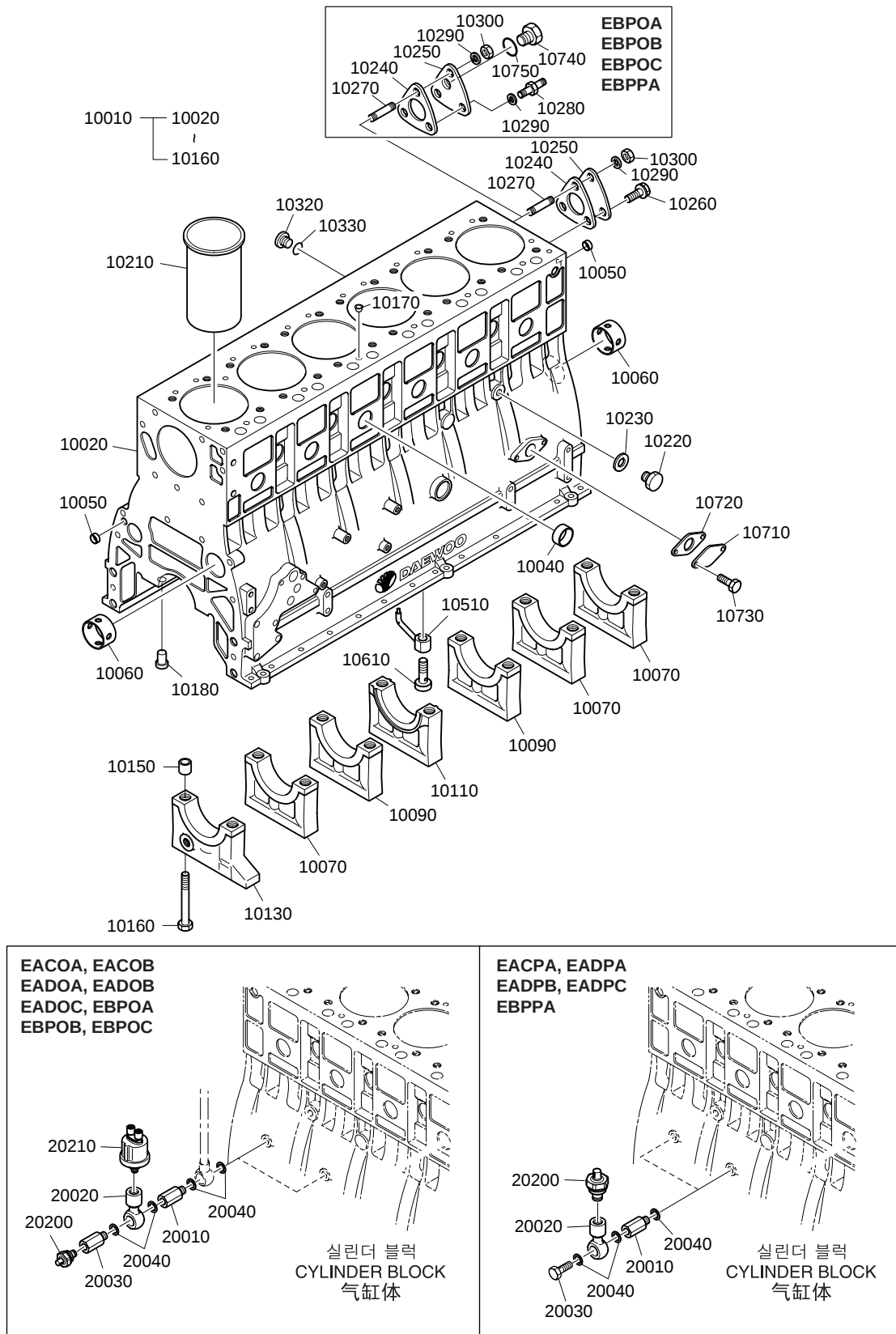


Fig.010
CYLINDER BLOCK | 실린더 블록 | 气缸体

Key No.	Part No.	Description	부 품 명	零 件 名 称	Q'ty								S.C	Remarks
					E A C O A / B	E A C P A	E A D O A / B / C	E A D P A / B	E A D P C	E B P O A / B / C	E B P P A			
20020	65.98130-0130	ADAPTER	어댑터	接头	1	-	1	-	-	1	-			
20030	06.78144-2403	SCREW ; HOLLOW M12x1.5	홀로우 스크류	空心螺钉	1	1	1	1	1	1	1			
20040	06.56190-0704	RING ; SEAL A12x18	시일 링	密封环	3	3	4	4	4	4	4			
20200	65.27441-7006	SWITCH ; OIL PRESSURE	오일 압력 스위치	机油压力开关	-	1	-	1	1	-	1			
20210	65.27441-7009	UNIT ; OIL PRESSURE	오일 압력 유닛	油压装置	1	-	1	-	-	1	-			

Fig.020

TIMING GEAR CASE | 타이밍 기어 케이스 | 正时齿轮箱

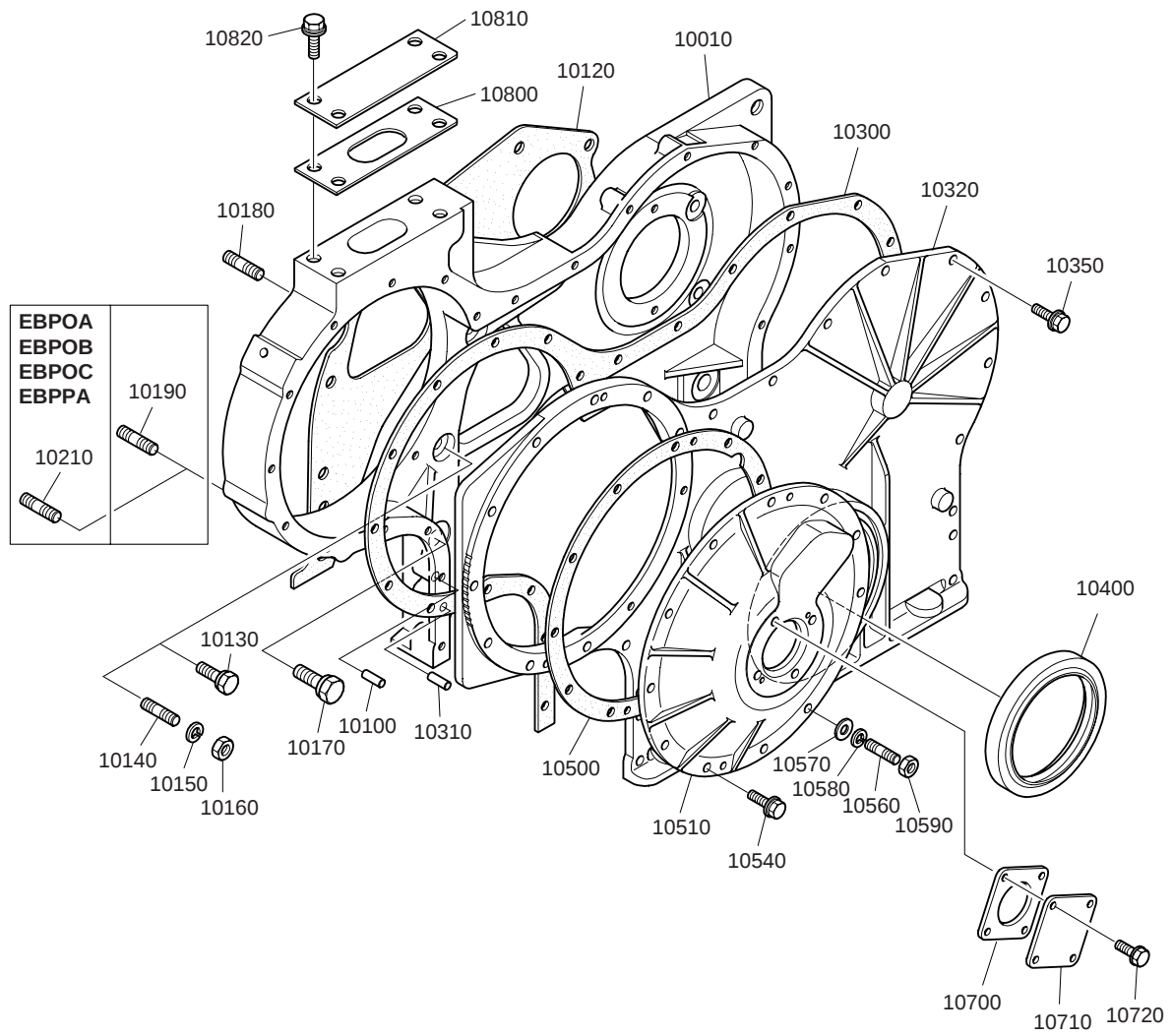


Fig.020

TIMING GEAR CASE | 타이밍 기어 케이스 | 正时齿轮箱

Key No.	Part No.	Description	부 품 명	零 件 名 称	Q'ty							S.C	Remarks
					E A C O A / B	E A C P A	E A D O A / B / C	E A D P A / B	E A D P C	E B P O A / B / C	E B P P A		
10010	65.01304-0010N	CASE ; TIMING GEAR	타이밍 기어 케이스	正时齿轮箱	1	1	1	1	1	1	1		
10100	06.22022-1013	PIN ; DOWEL 8x24	다우얼 핀	定位销	2	2	2	2	2	2	2		
10120	65.01903C0021	GASKET ; TIMING GEAR CASE	타이밍 기어 케이스 가스켓	正时齿轮箱衬垫	1	1	1	1	1	1	1		
10130	06.01913-3113	BOLT ASS'Y M8x20	볼트 조립품	螺栓总成	5	5	5	5	5	5	5		
10140	06.06225-0704	BOLT ; STUD M8x20	스터드 볼트	双头螺栓	1	1	1	1	1	1	1		
10150	06.16731-2107	WASHER ; SPRING A8	스프링 와셔	弹簧垫圈	1	1	1	1	1	1	1		
10160	06.11063-8214	NUT ; HEX. M8	육각 너트	六角螺母	1	1	1	1	1	1	1		
10170	06.01943-3317	BOLT ASS'Y M12x1.5x30	볼트 조립품	螺栓总成	4	4	4	4	4	4	4		
10180	65.90201-0048	BOLT ; STUD	스터드 볼트	双头螺栓	1	1	1	1	1	1	1		
10190	06.06225-0809	BOLT ; STUD M10x35	스터드 볼트	双头螺栓	6	6	6	6	6	4	4		
10210	06.06225-0810	BOLT ; STUD M10x40	스터드 볼트	双头螺栓	-	-	-	-	-	2	2		
10300	65.01903B0113	GASKET ; TIMING GEAR CASE	타이밍 기어 케이스 가스켓	正时齿轮箱衬垫	1	1	1	1	1	1	1		
10310	06.22022-0907	PIN ; DOWEL 6M6x10	다우얼 핀	定位销	2	2	2	2	2	2	2		
10320	65.01305-5028C	COVER ; TIMING GEAR CASE	타이밍 기어 케이스 커버	正时齿轮箱盖	1	1	1	1	1	1	1		
10350	06.01923-2914	BOLT ASS'Y M6x22	볼트 조립품	螺栓总成	13	13	13	13	13	13	13		
10400	65.01510-0157	SEAL ; OIL	오일 시일	机油封	1	1	1	1	1	1	1		
10500	65.01903B0029	GASKET ; TIMING GEAR CASE	타이밍 기어 케이스 가스켓	正时齿轮箱衬垫	1	1	1	1	1	1	1		
10510	65.01307-5009	COVER ; TIMING GEAR CASE	타이밍 기어 케이스 커버	正时齿轮箱盖	1	1	1	1	1	1	1		
10540	06.01923-2918	BOLT ASS'Y M6x35	볼트 조립품	螺栓总成	9	9	9	9	9	9	9		
10560	65.90201-0146	BOLT ; STUD M6x16	스터드 볼트	双头螺栓	2	2	2	2	2	2	2		
10570	06.15010-2309	WASHER ; PLAIN 6.4	평 와셔	平垫圈	2	2	2	2	2	2	2		
10580	06.16731-2105	WASHER ; SPRING A6	스프링 와셔	弹簧垫圈	2	2	2	2	2	2	2		
10590	06.11063-8212	NUT ; HEX. M6	육각 너트	六角螺母	2	2	2	2	2	2	2		
10700	65.27901-0005B	GASKET	가스켓	衬垫	1	1	1	1	1	1	1		
10710	65.91605-0009	COVER ; END	엔드 커버	端盖	1	1	1	1	1	1	1		
10720	06.01913-2911	BOLT ASS'Y M6x16	볼트 조립품	螺栓总成	4	4	4	4	4	4	4		
10800	65.54903A0013	GASKET	가스켓	衬垫	1	1	1	1	1	1	1		
10810	65.91615-0001	COVER ; BLIND	블라인드 커버	盲板盖	1	1	1	1	1	1	1		
10820	06.01913-3215	BOLT ASS'Y M10x25	볼트 조립품	螺栓总成	4	4	4	4	4	4	4		

Fig.030
FLYWHEEL HOUSING | 플라이휠 하우징 | 飞轮壳

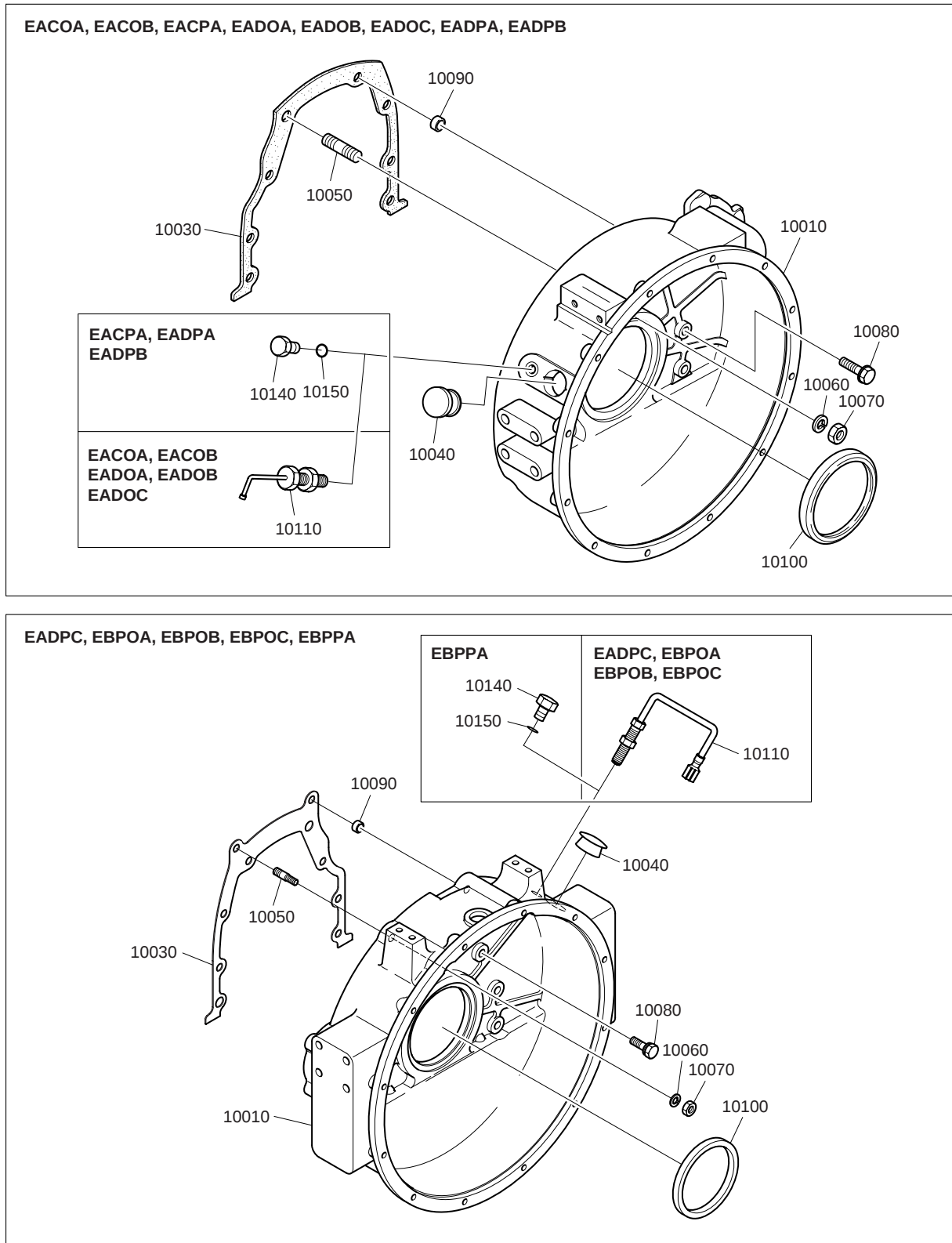


Fig.030
FLYWHEEL HOUSING | 홀라이휠 하우징 | 飞轮壳

Key No.	Part No.	Description	부 품 명	零 件 名 称	Q'ty							S.C	Remarks
					E A C O A / B	E A C P A	E A D O A / B / C	E A D P A / B	E A D P C	E B P O A / B / C	E B P P A		
10010	65.01401-0221	HOUSING ; FLYWHEEL	홀라이 휠 하우징	飞轮壳	1	1	1	1	-	-	-		
-	65.01401-0289A	HOUSING ; FLYWHEEL	홀라이 휠 하우징	飞轮壳	-	-	-	-	1	1	1		
10030	65.01903A0178	GASKET	가스켓	衬垫	-	-	-	-	1	1	1		
-	65.01903A0207	GASKET	가스켓	衬垫	1	1	1	1	-	-	-		
10040	65.96002-0003	PLUG ; RUBBER	고무 마개	橡胶螺塞	1	1	1	1	1	1	1		
10050	65.90201-0049	BOLT ; STUD M12x1.5x35	스터드 볼트	双头螺栓	1	1	1	1	1	1	1		
10060	06.16731-2109	WASHER ; SPRING A12	스프링 와셔	弹簧垫圈	1	1	1	1	1	1	1		
10070	06.11063-9216	NUT ; HEX. M12x1.5	육각 너트	六角螺母	1	1	1	1	1	1	1		
10080	06.01943-3319	BOLT ASS'Y M12x1.5x40	볼트 조립품	螺栓总成	9	9	9	9	9	9	9		
10090	65.91710-0023	RING ; INTERMEDIATE	중간 링	中间环	2	2	2	2	2	2	2		
10100	65.01510-0037	SEAL ; OIL	오일 시일	机油封	1	1	1	1	1	1	1		
10110	65.27103-7007	SENDER	센 더	传感器	1	-	1	-	1	1	-		
10140	06.08092-2405	SCREW ; PLUG M16x1.5	플러그 스크류	螺塞	-	1	-	1	-	-	1		
10150	06.56190-0709	RING ; SEAL A16x22	시일 링	密封环	-	1	-	1	-	-	1		

Fig.040
CRANK SHAFT | 크랭크 축 | 曲轴

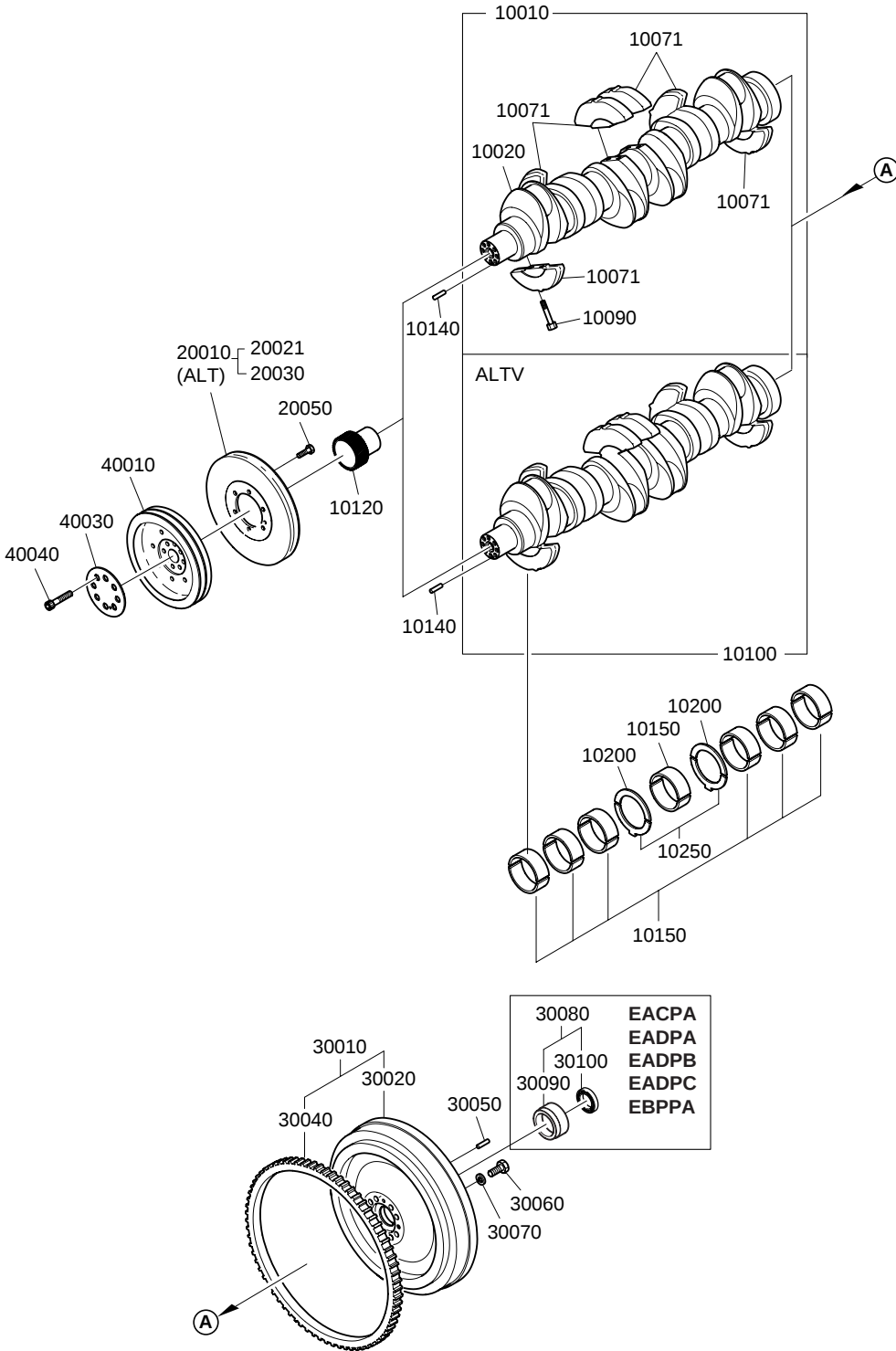


Fig.040
CRANK SHAFT | 크랭크 축 | 曲 轴

Key No.	Part No.	Description	부 품 명	零 件 名 称	Q'ty							S.C	Remarks	
					E A C O A / B	E A C P A	E A D O A / B / C	E A D P A / B	E A D C	E B O A / B / C	E B P A			
10010	65.02101-7540A	CRANK SHAFT ASS'Y	크랭크 축 조립품	曲轴总成	1	1	1	1	1	1	1	D	ALTV	
10020	65.02101-7024C	· CRANK SHAFT ASS'Y	· 크랭크 축 조립품	· 曲轴总成	1	1	1	1	1	1	1			
10071	65.02110-0011	· · WEIGHT ; BALANCE	· · 밸런스 웨이트	· · 平衡重	6	6	6	6	6	6	6			
10090	65.90430-0014B	· · BOLT ; CRANK SHAFT	· · 크랭크 축 볼트	· · 曲轴螺栓	12	12	12	12	12	12	12	D	ALTV	
10100	65.02101-0056A	· SHAFT ; CRANK	· 크랭크 축	· 曲柄轴	1	1	1	1	1	1	1			
10120	65.02115-0040K	GEAR ; CRANK SHAFT	크랭크 축 기어	曲轴齿轮	1	1	1	1	1	1	1			
10140	06.22022-0912	PIN ; DOWEL 6M6x20	다우얼 핀	定位销	1	1	1	1	1	1	1	D	ALTV	
10150	65.01110-6120	BEARING ; MAIN	메인 베어링	主轴承 毫米	-	-	-	-	-	7	7			
-	65.01110-6351	BEARING ; MAIN	메인 베어링	主轴承 毫米	7	7	7	7	7	-	-			
10160	65.01110-6352	· BEARING ; MAIN(0.25)	· 메인 베어링	· 主轴承 0.25毫米	7	7	7	7	7	-	-	US	ALTV	
10170	65.01110-6353	· BEARING ; MAIN(0.50)	· 메인 베어링	· 主轴承 0.50毫米	7	7	7	7	7	-	-	US		
10180	65.01110-6354	· BEARING ; MAIN(0.75)	· 메인 베어링	· 主轴承 0.75毫米	7	7	7	7	7	-	-	US		
10190	65.01110-6355	· BEARING ; MAIN(1.00)	· 메인 베어링	· 主轴承 1.00毫米	7	7	7	7	7	-	-	US	ALTV	
10200	65.01150-0015	BEARING ; THRUST(UPPER)	스러스트 베어링	止推轴承(上) 标准	2	2	2	2	2	2	2			
10210	65.01150-0019	· BEARING ; THRUST(UP-0.25)	· 스러스트 베어링	· 止推轴承(上) 标准	2	2	2	2	2	2	2	US		
10220	65.01150-0020	· BEARING ; THRUST(UP-0.50)	· 스러스트 베어링	· 止推轴承(上) 标准	2	2	2	2	2	2	2	US	ALTV	
10230	65.01150-0021	· BEARING ; THRUST(UP-0.75)	· 스러스트 베어링	· 止推轴承(上) 标准	2	2	2	2	2	2	2	US		
10240	65.01150-0022	· BEARING ; THRUST(UP-1.00)	· 스러스트 베어링	· 止推轴承(上) 标准	2	2	2	2	2	2	2	US		
10250	65.01150-0016A	WASHER ; THRUST	스러스트 와셔	止推垫圈	2	2	2	2	2	2	2	ALTV	ALTV	
10260	65.01150-0023A	· BEARING ; THRUST(LOW-0.25)	· 스러스트 베어링	· 止推轴承(下) 标准	2	2	2	2	2	2	2			US
10270	65.01150-0024A	· BEARING ; THRUST(LOW-0.50)	· 스러스트 베어링	· 止推轴承(下) 标准	2	2	2	2	2	2	2			US
10280	65.01150-0025A	· BEARING ; THRUST(LOW-0.75)	· 스러스트 베어링	· 止推轴承(下) 标准	2	2	2	2	2	2	2	US	ALTV	
10290	65.01150-0026A	· BEARING ; THRUST(LOW-1.00)	· 스러스트 베어링	· 止推轴承(下) 标准	2	2	2	2	2	2	2	US		
20010	65.02201-7032	DAMPER ; VISCOUS(ALT)	진동 흡수 댐퍼	粘性阻尼器	1	1	1	1	1	1	1			
20021	65.02201-7033	· DAMPER ; VISCOUS	· 진동 흡수 댐퍼	· 粘性阻尼器	1	1	1	1	1	1	1	ALTV	ALTV	
20030	65.02201-7034	· DAMPER ; VISCOUS	· 진동 흡수 댐퍼	· 粘性阻尼器	1	1	1	1	1	1	1			
20050	06.01914-3215	BOLT ASS'Y M10x25	볼트 조립품	螺栓总成	6	6	6	6	6	6	6	ALTV	ALTV	
30010	65.02300-6132	FLYWHEEL ASS'Y	홀라이 휠 조립품	飞轮总成	-	-	-	-	1	1	1			
-	65.02301-5078A	FLYWHEEL ASS'Y	홀라이 휠 조립품	飞轮总成	1	1	1	1	-	-	-			
30020	65.02301-0204B	· FLYWHEEL	· 홀라이 휠	· 飞轮	-	-	-	-	1	1	1	ALTV	ALTV	
-	65.02301-0223A	· FLYWHEEL	· 홀라이 휠	· 飞轮	1	1	1	1	-	-	-			
30040	65.02310-0010A	· GEAR ; STARTER RING	· 스타터 링 기어	· 启动器环形齿轮	-	-	-	-	1	1	1			
-	65.02310-0012	· GEAR ; STARTER RING	· 스타터 링 기어	· 启动器环形齿轮	1	1	1	1	-	-	-	ALTV	ALTV	
30050	06.22022-1010	PIN ; DOWEL 8x16	다우얼 핀	定位销	1	1	1	1	1	1	1			
30060	06.02101-0717	BOLT ; SOCKET HEAD	소켓 헤드 볼트	内六角螺栓	-	6	-	6	6	-	6	ALTV	ALTV	
-	65.90001-0084	BOLT ; HEX. M14x1.5x40	육각 볼트	六角螺栓	6	-	6	-	-	6	-			
30070	06.16110-0109	WASHER ; SPRING	스프링 와셔	弹簧垫圈	-	6	-	6	6	-	6			
-	06.16731-2110	WASHER ; SPRING A14	스프링 와셔	弹簧垫圈	6	-	6	-	-	6	-	ALTV	ALTV	
30080	65.02320-6006	HOUSING ; PILOT BEARING	파일럿 베어링 하우징	导轴承壳	-	1	-	1	1	-	1			
30090	65.02320-0042	· HOUSING ; PILOT BEARING	· 파일럿 베어링 하우징	· 导轴承壳	-	1	-	1	1	-	1			
30100	65.93410-0026	· BEARING ; BALL	· 볼 베어링	· 轴承	-	1	-	1	1	-	1	ALTV	ALTV	
40010	65.02601-0153	PULLEY ; V-BELT	V-벨트 플리	V-型皮带轮	1	1	1	1	1	1	1			
40030	65.90701-0088	WASHER ; THRUST	스러스트 와셔	止推垫圈	1	1	1	1	1	1	1			
40040	06.02106-0619	BOLT ; SOCKET HEAD	소켓 헤드 볼트	内六角螺栓	8	8	8	8	8	8	8	ALTV	ALTV	

Fig.050
PISTON | 피스톤 | 活 塞

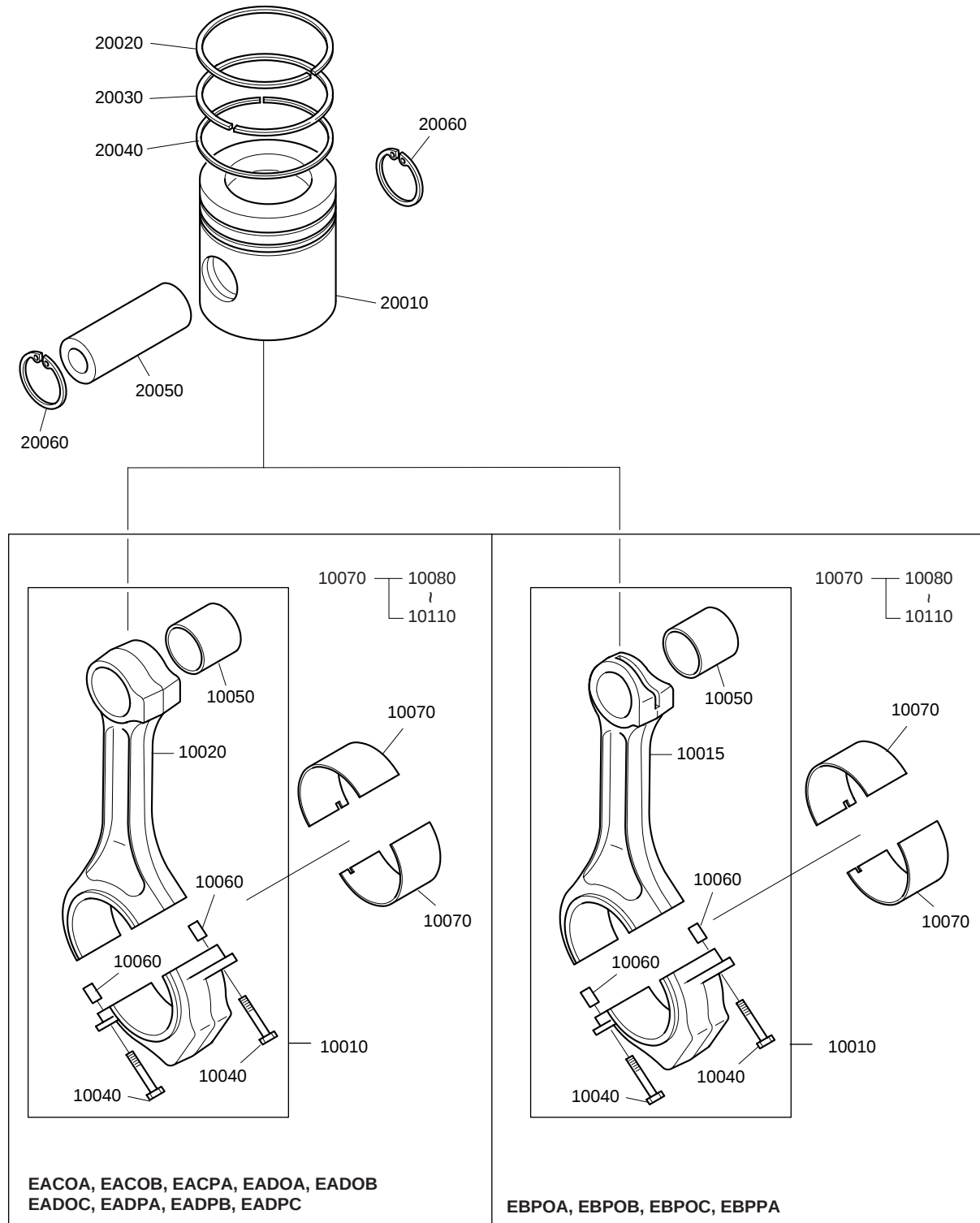


Fig.050
PISTON | 피스톤 | 活 塞

Key No.	Part No.	Description	부 품 명	零 件 名 称	Q'ty							S.C	Remarks
					E A C O A / B	E A C P A	E A D O A / B / C	E A D P A / B	E A D P C	E B P O A / B / C	E B P P A		
10010	65.02401-6018	CONNECTING ROD ASS'Y	컨넥팅 로드 조립품	连杆总成	-	-	-	-	-	6	6		
-	65.02401-6101E	CONNECTING ROD ASS'Y	컨넥팅 로드 조립품	连杆总成	6	6	6	6	6	-	-		
10015	65.02401-6023	· ROD ; CONNECTING	· 컨넥팅 로드	· 连杆	-	-	-	-	-	6	6		
10020	65.02401-0030	· ROD ; CONNECTING	· 컨넥팅 로드	· 连杆	6	6	6	6	6	-	-		
10040	65.90020-0009D	· BOLT ; CONNECTING ROD	· 컨넥팅 로드 볼트	· 连杆螺栓	12	12	12	12	12	12	12		
10050	65.02405-0015C	· BUSH ; CONNECTING ROD	· 컨넥팅 로드 부쉬	· 连杆衬套	6	6	6	6	6	-	-		
-	65.02405-1011	· BUSH ; CONNECTING ROD	· 컨넥팅 로드 부쉬	· 连杆衬套	-	-	-	-	-	6	6		
10060	65.91301-0010	· PIN ; DOWEL	· 다우얼 핀	· 定位销	12	12	12	12	12	12	12		
10070	65.02410-0010	BEARING ; CONNECTING ROD	컨넥팅 로드 베어링	连杆轴承	6	6	6	6	6	6	6		
10080	65.02410-0011	· BEARING ; CONNECTING ROD(0.25)	· 컨넥팅 로드 베어링	· 连杆轴承 0.25毫米	6	6	6	6	6	6	6	OS	
10090	65.02410-0012	· BEARING ; CONNECTING ROD(0.50)	· 컨넥팅 로드 베어링	· 连杆轴承 0.50毫米	6	6	6	6	6	6	6	OS	
10100	65.02410-0013	· BEARING ; CONNECTING ROD(0.75)	· 컨넥팅 로드 베어링	· 连杆轴承 0.75毫米	6	6	6	6	6	6	6	OS	
10110	65.02410-0014	· BEARING ; CONNECTING ROD(1.00)	· 컨넥팅 로드 베어링	· 连杆轴承 1.00毫米	6	6	6	6	6	6	6	OS	
20010	65.02501-0214	PISTON	피스톤	活塞	-	-	-	-	6	6	6		
-	65.02501-0779	PISTON	피스톤	活塞	6	-	-	-	-	-	-		
-	65.02501-0785	PISTON	피스톤	活塞	-	6	6	6	-	-	-		
20020	65.02503-0054	RING ; TOP	톱 링	顶环	6	6	6	6	6	6	6		
20030	65.02503-0120	RING(2ND)	링	环	6	6	6	6	6	6	6		
20040	65.02503-0115	RING ; OIL	오일 링	油环	6	6	6	6	6	6	6		
20050	65.02502-0010	PIN ; PISTON 42x20x95	피스톤 핀	活塞销	6	6	6	6	6	6	6		
20060	06.29020-0126	RING ; SNAP 42x1.75	스냅 링	卡环	12	12	12	12	12	12	12		

Fig.060
CYLINDER HEAD | 실린더 헤드 | 气缸盖

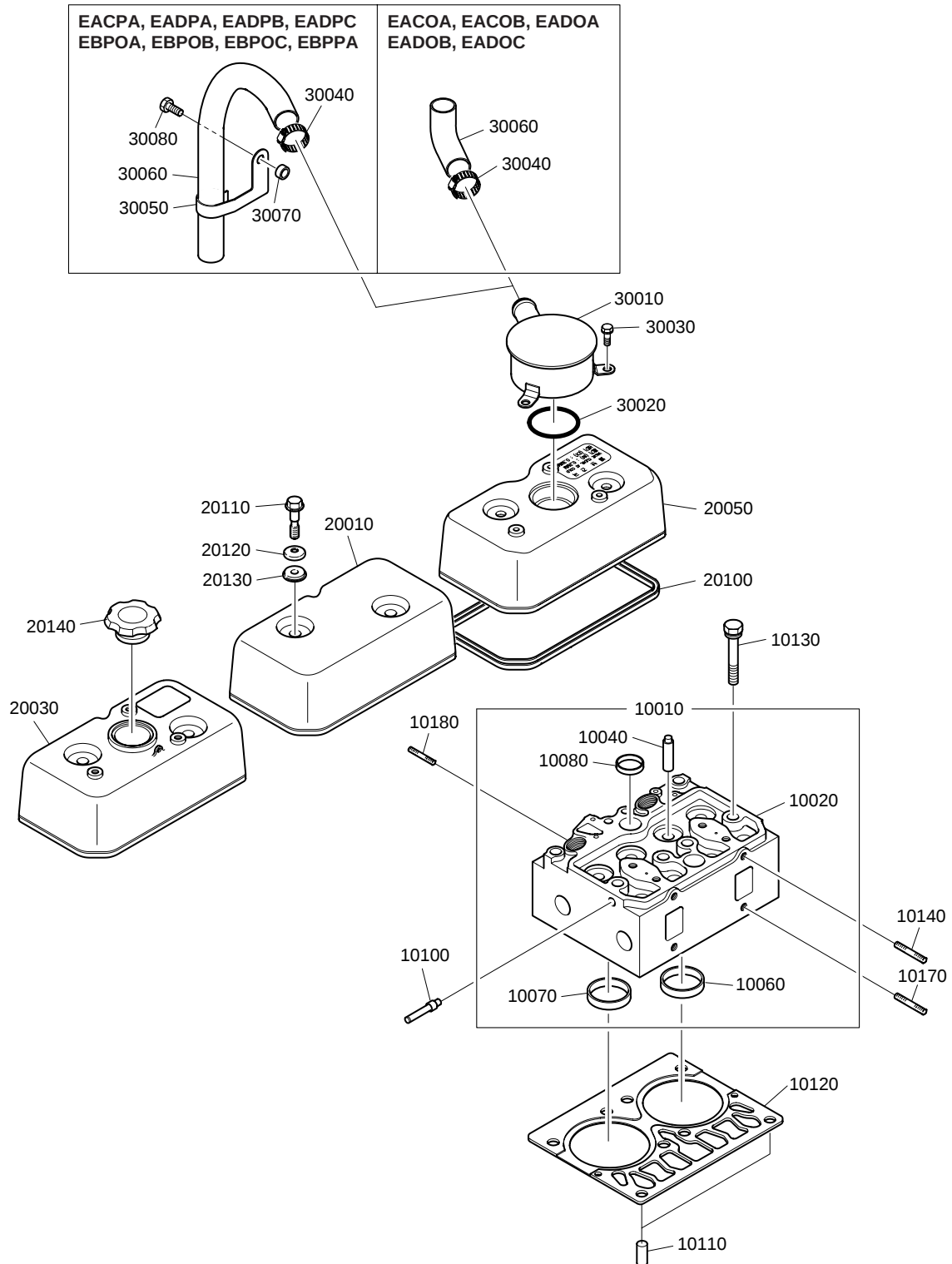


Fig.060
CYLINDER HEAD | 실린더 헤드 | 气缸盖

Key No.	Part No.	Description	부 품 명	零 件 名 称	Q'ty							S.C	Remarks
					E A C O A / B	E A C P A	E A D O A / B / C	E A D P A / B	E A D P C	E B O A / B / C	E B P P A		
10010	65.03101-6495O	CYLINDER HEAD ASS'Y	실린더 헤드 조립품	气缸盖总成	3	3	3	3	3	3	3		
10020	65.03101-0295T	· HEAD ; CYLINDER	· 실린더 헤드	· 气缸盖	9	9	9	9	9	9	9		
10040	65.03201-1011	· GUIDE ; VALVE	· 밸브 가이드	· 气门杆	12	12	12	12	12	12	12	B	
10060	65.03203-1028D	· RING ; VALVE SEAT(EXHAUST)	· 밸브 시트 링(출구)	· 气门座环(排气)	6	6	6	6	6	6	6	B	
10070	65.03203-1029G	· RING ; VALVE SEAT(INLET)	· 밸브 시트 링(입구)	· 气门座环(进气)	6	6	6	6	6	6	6	B	
10080	06.15091-0319	· PLUG ; CORE	· 코어 플러그	· 中心孔塞	21	21	21	21	21	21	21		
10100	65.91001-0013	AV SEAL	AV 시일	AV 密封	6	6	6	6	6	6	6		
10110	06.22022-0907	PIN ; DOWEL 6M6x10	다우얼 핀	定位销	6	6	6	6	6	6	6		
10120	65.03901-0058A	GASKET ; CYLINDER HEAD	실린더 헤드 가스켓	气缸盖衬垫	3	3	3	3	3	3	3		
10130	65.90020-0070	BOLT ; CYLINDER HEAD M14x1.5x146	실린더 헤드 볼트	缸盖螺栓	24	24	24	24	24	24	24		
10140	06.06226-0808	BOLT ; STUD M10x30	스터드 볼트	双头螺栓	6	6	6	6	6	6	6		
10170	65.90201-0049	BOLT ; STUD M12x1.5x35	스터드 볼트	双头螺栓	6	6	6	6	6	6	6		
10180	06.06225-0809	BOLT ; STUD M10x35	스터드 볼트	双头螺栓	2	2	2	2	2	2	2		
20010	65.03401-0021H	COVER ; CYLINDER HEAD	실린더 블럭 커버	气缸盖罩	1	1	1	1	1	1	1		
20030	65.03401-0056A	COVER ; CYLINDER HEAD	실린더 블럭 커버	气缸盖罩	1	1	1	1	1	1	1		
20050	65.03401-6044B	COVER ; CYLINDER HEAD	실린더 블럭 커버	气缸盖罩	1	1	1	1	1	1	1		
20100	65.03905-0022	GASKET ; CYLINDER HEAD COVER	실린더 헤드 커버 가스켓	气缸盖罩衬垫	3	3	3	3	3	3	3		
20110	65.90020-0073	BOLT ; COLLARED HEX.	칼러드 육각 볼트	套圈式六角螺栓	6	6	6	6	6	6	6		
20120	65.90701-0202	WASHER	와 셔	垫圈	6	6	6	6	6	6	6		
20130	65.03905-0023A	GASKET ; CYLINDER HEAD COVER	실린더 헤드 커버 가스켓	气缸盖罩衬垫	6	6	6	6	6	6	6		
20140	65.01810-5007	OIL FILLER CAP ASS'Y	오일 필터 캡 조립품	加油盖总成	1	1	1	1	1	1	1		
30010	65.01801-5099B	HOUSING ; BREATHER	브리더 하우징	轴承座	1	1	1	1	1	1	1		
30020	65.96501-0033B	O-RING	O-링	O-型环	1	1	1	1	1	1	1		
30030	06.01923-3113	BOLT ASS'Y M8x20	볼트 조립품	螺栓总成	3	3	3	3	3	3	3		
30040	06.67020-0105	CLAMP NWS16	클램프	夹	1	1	1	1	1	1	1		
30050	65.97401-0164	CLIP ; BREATHER HOSE	브리더 호스 클립	软管夹	-	1	-	1	1	1	1		
30060	65.96301-0105	HOSE ; RUBBER	고무 호스	橡胶软管	1	-	1	-	-	-	-		
-	65.96301-0286	HOSE ; RUBBER	고무 호스	橡胶软管	-	1	-	1	1	1	1		
30070	65.91701-0067	SPACER	스페이스	衬套	-	1	-	1	1	1	1		
30080	06.01953-3320	BOLT ASS'Y M12x1.5x45	볼트 조립품	螺栓总成	-	1	-	1	1	1	1		

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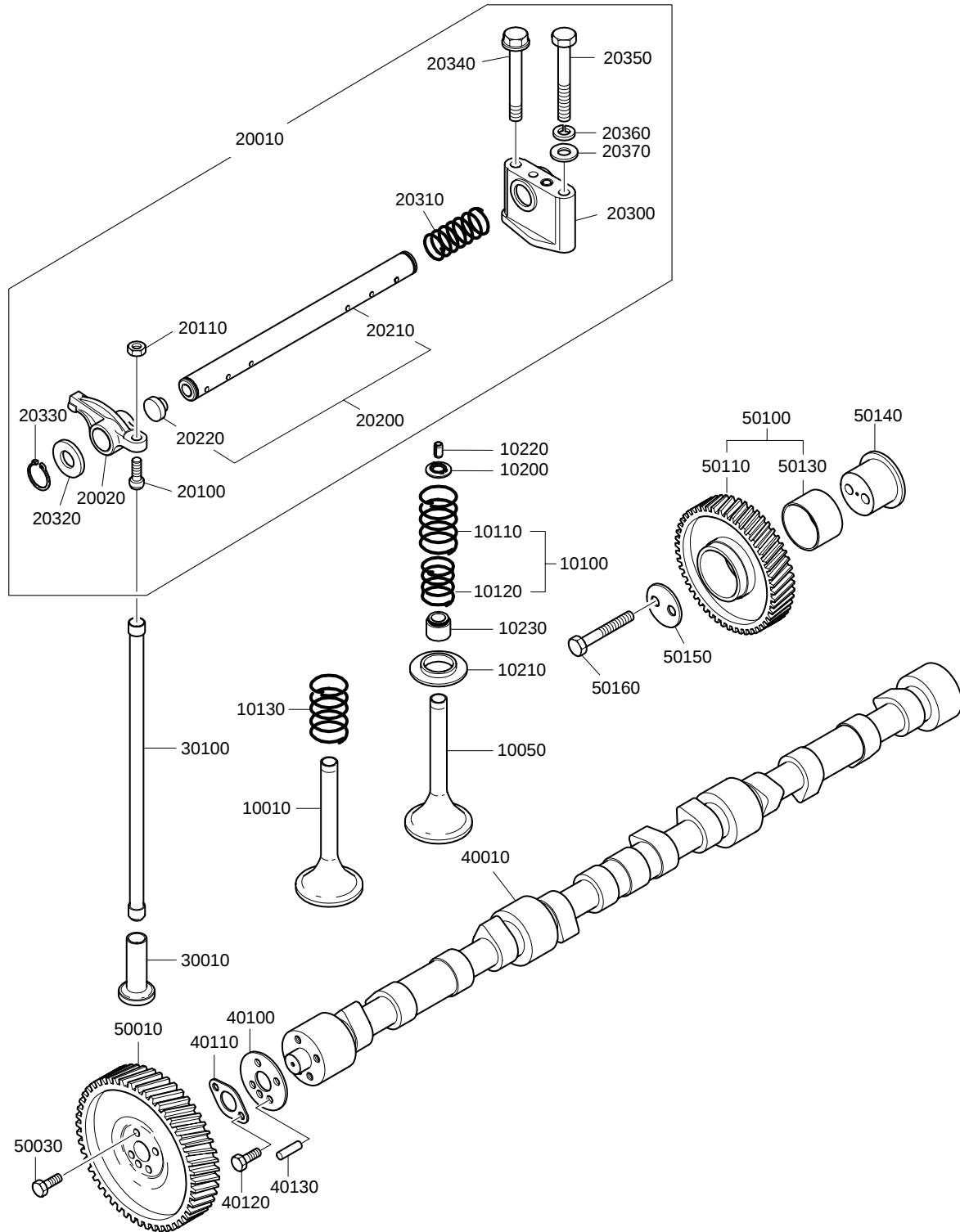


Fig.070
CAM SHAFT | 캠 축 | 凸轮轴

Key No.	Part No.	Description	부 품 명	零 件 名 称	Q'ty							S.C	Remarks
					E A C O A / B	E A C P A	E A D O A / B / C	E A D P A / B	E A D C	E B O A / B / C	E B P A		
10010	65.04101-0041	VALVE ; INTAKE(ALTV)	흡기 밸브	进气门	6	6	6	6	6	6	6		
10030	65.04101-0026	· VALVE ; INTAKE	· 흡기 밸브	· 进气门	6	6	6	6	6	6	6		ALTV
10040	65.04101-0037	· VALVE ; INTAKE	· 흡기 밸브	· 进气门	6	6	6	6	6	6	6		ALTV
10050	65.04101-0042	VALVE ; EXHAUST(ALTV)	배기 밸브	排气门	6	6	6	6	6	6	6		
10070	65.04101-0027	· VALVE ; EXHAUST	· 배기 밸브	· 排气门	6	6	6	6	6	6	6		ALTV
10080	65.04101-0038	· VALVE ; EXHAUST	· 배기 밸브	· 排气门	6	6	6	6	6	6	6		ALTV
10100	65.04102-6002	VALVE SPRING ASS'Y	밸브 스프링 조립품	气门弹簧总成	6	6	6	6	6	6	6		
10110	65.04102-0003	· SPRING ; VALVE(OUTER)	· 밸브 스프링(밖)	· 外排气门弹簧	6	6	6	6	6	6	6		
10120	65.04102-0004	· SPRING ; VALVE(INNER)	· 밸브 스프링(안)	· 内排气门弹簧	6	6	6	6	6	6	6		
10130	65.04102-0007	SPRING ; VALVE(INNER)	밸브 스프링(안)	内排气门弹簧	6	6	6	6	6	6	6		
10200	65.04103-0013	RETAINER ; VALVE SPRING	밸브 스프링 리테이너	气门弹簧座	12	12	12	12	12	12	12		
10210	65.04103-0009	SEAT ; VALVE SPRING	밸브 스프링 시트	气门弹簧座	12	12	12	12	12	12	12		
10220	65.04104-0006	COTTER ; VALVE	밸브 코터	气门销	24	24	24	24	24	24	24		
10230	65.04902-0013	SEAL ; VALVE STEM	밸브 스템 시일	气门杆油封	12	12	12	12	12	12	12		
20010	65.04200-6025D	ROCKER ARM SHAFT ASS'Y	록커 암 축 조립품	摇臂轴总成	3	3	3	3	3	3	3		
20020	65.04201-5013E	· ROCKER ARM ASS'Y	· 록커 암 조립품	· 摇臂总成	12	12	12	12	12	12	12		
20030	65.04201-0006K	· · ARM ; ROCKER	· · 록커 암	· · 摇臂	3	3	3	3	3	3	3		
20050	65.93020-0032C	· · BUSH	· · 부 쉬	· · 衬套	3	3	3	3	3	3	3		
20100	65.04205-0003	· BOLT ; ADJUSTING M10x1.0	· 조정 볼트	· 调节螺栓	12	12	12	12	12	12	12		
20110	65.90501-0003	· NUT ; HEX. M10x1.0	· 육각 너트	· 六角螺母	12	12	12	12	12	12	12		
20200	65.04203-5009	· ROCKER ARM SHAFT ASS'Y	· 록커 암 축 조립품	· 摇臂轴总成	3	3	3	3	3	3	3		
20210	65.04203-0009A	· · SHAFT ; ROCKER ARM	· · 록커 암 축	· · 摇臂轴	3	3	3	3	3	3	3		
20220	65.90302-0012	· · PLUG	· · 플러그	· · 柱塞	6	6	6	6	6	6	6		
20300	65.04202-0017A	· BRACKET ; ROKER ARM	· 록커 암 브라켓	· 摇臂支架	6	6	6	6	6	6	6		
20310	65.97601-0055	· SPRING ; COMPRESSION	· 압축 스프링	· 压缩弹簧	3	3	3	3	3	3	3		
20320	65.90710-0039	· WASHER ; LOCK ARM	· 록크 암 와셔	· 锁止垫圈	6	6	6	6	6	6	6		
20330	06.29010-0120	· RING ; SNAP 24x1.2	· 스냅 링	· 卡环	6	6	6	6	6	6	6		
20340	65.90020-0056	· BOLT ; HEX. M12x1.5x80	· 육각 볼트	· 六角螺栓	6	6	6	6	6	6	6		
20350	06.01013-9221	· BOLT ; HEX. M10x80	· 육각 볼트	· 六角螺栓	6	6	6	6	6	6	6		
20360	06.16731-2108	· WASHER ; SPRING A10	· 스프링 와셔	· 弹簧垫圈	6	6	6	6	6	6	6		
20370	06.15030-0514	· WASHER ; PLAIN 10.5	· 평 와셔	· 平垫圈	6	6	6	6	6	6	6		
30010	65.04301-0005	TAPPET ; VALVE	밸브 타펫	气门挺杆	12	12	12	12	12	12	12		
30100	65.04302-5010	PUSH ROD ASS'Y	푸쉬 로드 조립품	推杆总成	12	12	12	12	12	12	12		
40010	65.04401-0014C	SHAFT ; CAM	캠 축	凸轮轴	1	1	1	1	1	1	1		
40100	65.90720-0099	WASHER ; THRUST	스러스트 와셔	止推垫圈	1	1	1	1	1	1	1		
40110	65.98112-0038	FLANGE	홀랜지	法兰	1	1	1	1	1	1	1		
40120	65.90001-6003	BOLT ASS'Y M6x14	볼트 조립품	螺栓总成	2	2	2	2	2	2	2		
40130	06.22022-1016	PIN ; DOWEL 8M6x36	다우얼 핀	定位销	1	1	1	1	1	1	1		
50010	65.04501-0057	GEAR ; CAM SHAFT	캠 축 기어	凸轮轴齿轮	1	1	1	1	1	1	1		
50030	06.01913-3120	BOLT ASS'Y M8x45	볼트 조립품	螺栓总成	4	4	4	4	4	4	4		
50100	65.04505-5008A	IDLE GEAR ASS'Y	아이들 기어 조립품	惰轮总成	1	1	1	1	1	1	1		
50110	65.04505-0005	· IDLE GEAR ; CAM SHAFT	· 캠 축 아이들 기어	· 凸轮轴惰轮	1	1	1	1	1	1	1		
50130	65.04507-0003A	· BUSH ; IDLE GEAR	· 아이들 기어 부쉬	· 惰轮衬套	1	1	1	1	1	1	1		

Fig.070
CAM SHAFT | 캠 축 | 凸轮轴

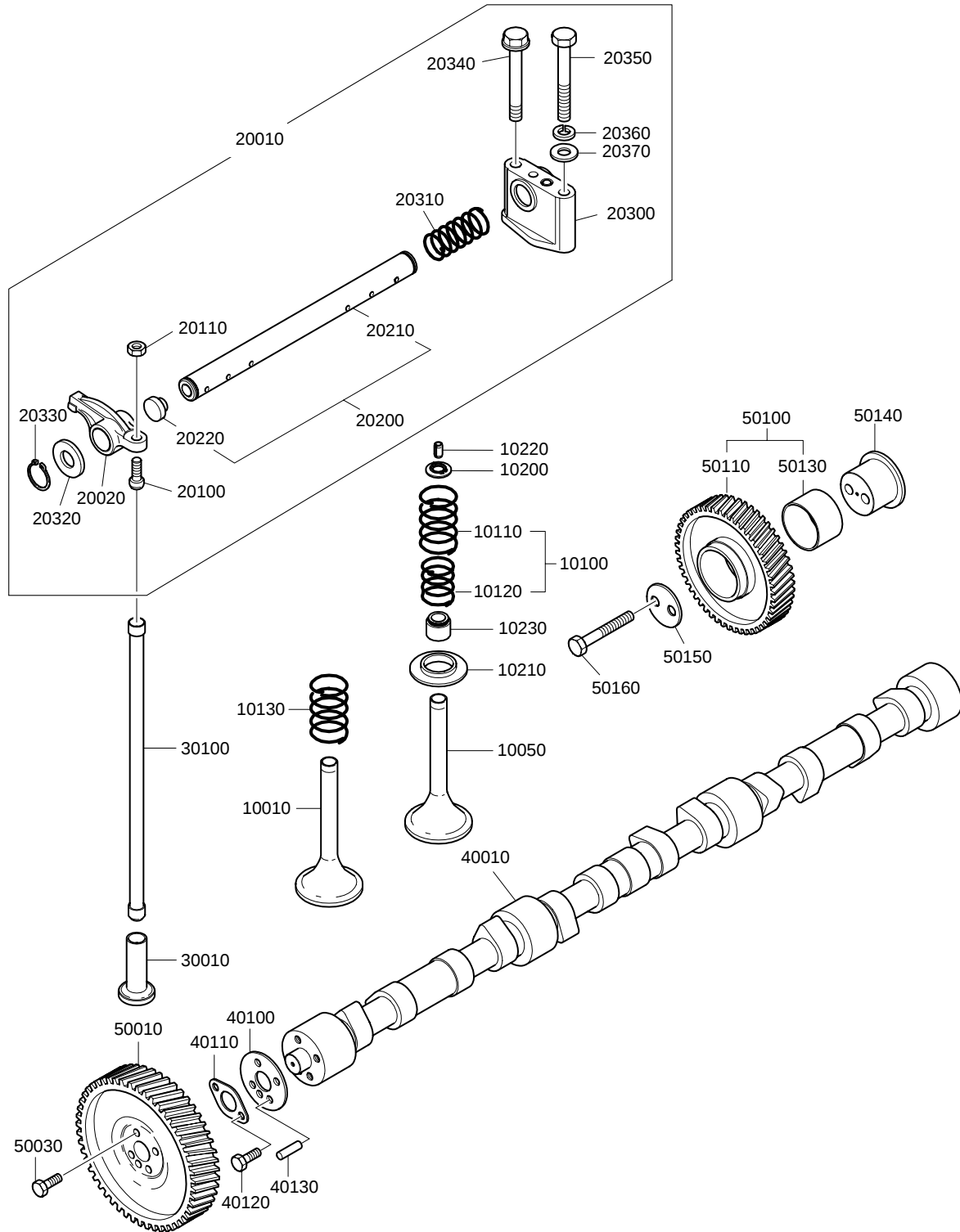


Fig.070
CAM SHAFT | 캠 축 | 凸轮轴

Key No.	Part No.	Description	부 품 명	零 件 名 称	Q'ty							S.C	Remarks
					E A C O A / B	E A C P A	E A D O A / B / C	E A D P A / B	E A D P C	E B P O A / B / C	E B P P A		
50140	65.04506-0008	PIN ; IDLE GEAR	아이들 기어 핀	惰轮销	1	1	1	1	1	1	1		
50150	65.90720-0019	WASHER ; THRUST	스러스트 와셔	止推垫圈	1	1	1	1	1	1	1		
50160	06.01914-3126	BOLT ASS'Y M8x75	볼트 조립품	螺栓总成	2	2	2	2	2	2	2		

Fig.080
OIL PUMP | 오일 펌프 | 机油泵

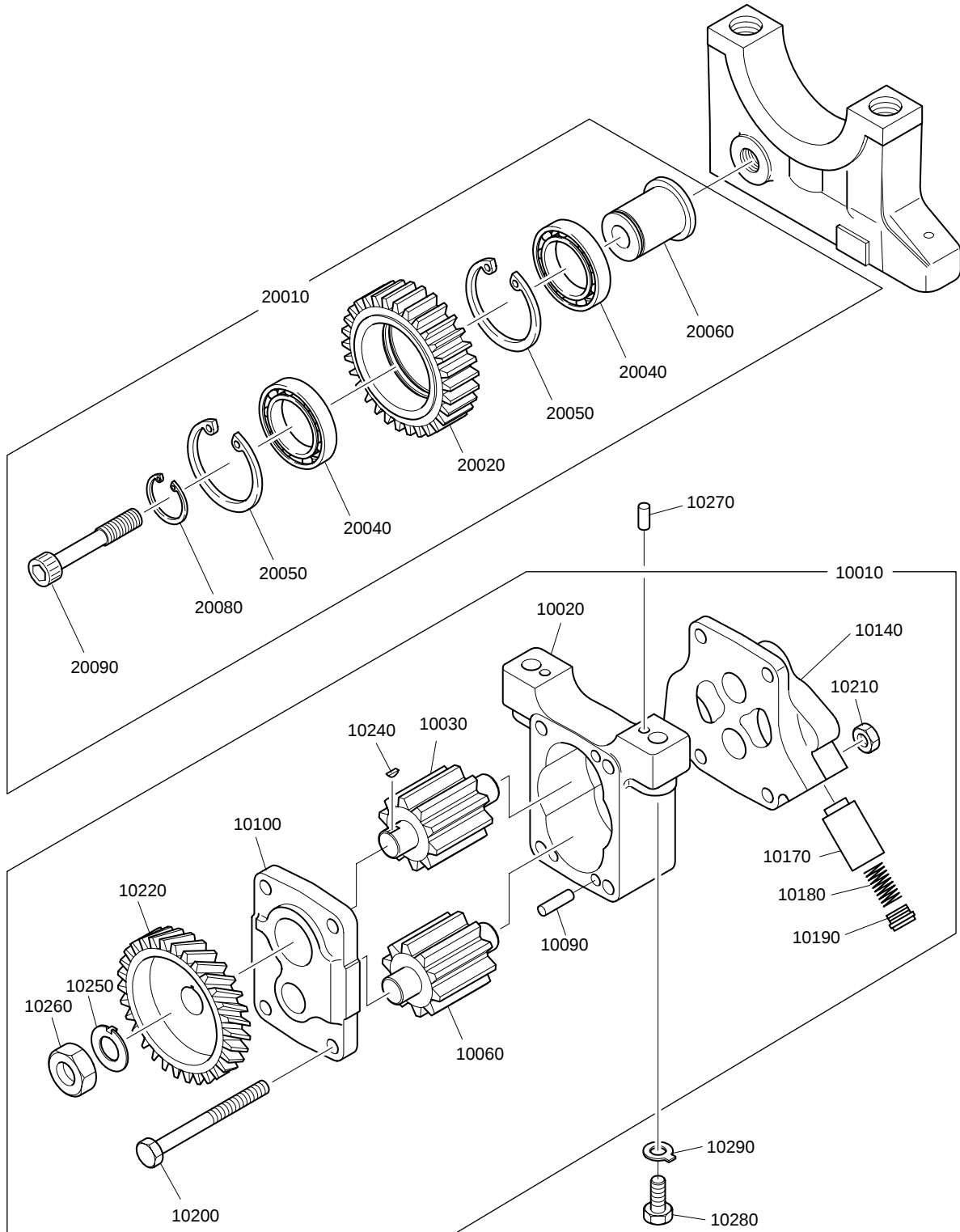


Fig.080
OIL PUMP | 오일 펌프 | 机油泵

Key No.	Part No.	Description	부 품 명	零 件 名 称	Q'ty							S.C	Remarks
					E A C O A / B	E A C P A	E A D O A / B / C	E A D P A / B	E A D P C	E B P O A / B / C	E B P P A		
10010	65.05100-6022	OIL PUMP ASS'Y	오일 펌프 조립품	机油泵总成	1	1	1	1	1	1	1		
10020	65.05102-0014	· HOUSING ; OIL PUMP	· 오일 펌프 하우징	· 机油泵壳	1	1	1	1	1	1	1		
10030	65.05104-5004	· GEAR ASS'Y(OIL PUMP)	· 기어 조립품	· 齿轮总成 (机油泵)	1	1	1	1	1	1	1		
10060	65.05104-5003	· GEAR ASS'Y(OIL PUMP)	· 기어 조립품	· 齿轮总成 (机油泵)	1	1	1	1	1	1	1		
10090	06.22022-0909	· PIN ; DOWEL 6M6x14	· 다우얼 핀	· 定位销	1	1	1	1	1	1	1		
10100	65.05103-5015	· COVER ASS'Y	· 커버 조립품	· 箱盖总成	1	1	1	1	1	1	1		
10140	65.05103-5012	· OIL PUMP COVER ASS'Y(REAR)	· 오일 펌프 커버 조립품(뒤)	· 机油泵盖总成 (后)	1	1	1	1	1	1	1		
10170	65.05410-0025	· PLUNGER ; VALVE	· 밸브 플런저	· 阀柱塞	1	1	1	1	1	1	1		
10180	65.97601-0110	· SPRING ; COMPRESSION	· 압축 스프링	· 压缩弹簧	1	1	1	1	1	1	1		
10190	65.90310-0104	· SCREW ; PLUG	· 플러그 스크류	· 螺塞	1	1	1	1	1	1	1		
10200	06.01013-9118	· BOLT ; HEX. M8x65	· 육각 볼트	· 六角螺栓	4	4	4	4	4	4	4		
10210	65.90510-0012	· NUT	· 너 트	· 螺母	4	4	4	4	4	4	4		
10220	65.05104-0007	· GEAR	· 기 어	· 齿轮	1	1	1	1	1	1	1		
10240	06.29141-0207	· KEY ; WOODRUFF 3x13x5	· 반달 키	· 半圆键	1	1	1	1	1	1	1		
10250	06.16050-0311	· WASHER ; LOCK	· 록크 와셔	· 锁止垫圈	1	1	1	1	1	1	1		
10260	06.11053-9217	· NUT ; HEX. M14x1.5	· 육각 너트	· 六角螺母	1	1	1	1	1	1	1		
10270	06.22022-0907	PIN ; DOWEL 6M6x10	다우얼 핀	定位销	2	2	2	2	2	2	2		
10280	06.01013-9215	BOLT ; HEX. M10x1.5x50	육각 볼트	六角螺栓	2	2	2	2	2	2	2		
10290	65.90801-0018	WASHER ; LOCK	록크 와셔	锁止垫圈	2	2	2	2	2	2	2		
20010	65.05200-6034	IDLE GEAR MOUNTING ASS'Y	아이들 기어 마운팅 조립품	惰轮安装总成	1	1	1	1	1	1	1		
20020	65.05204-0036	· GEAR ; IDLE	· 아이들 기어	· 惰轮	1	1	1	1	1	1	1		
20040	06.31420-0314	· BEARING ; BALL	· 볼 베어링	· 轴承	2	2	2	2	2	2	2		
20050	06.29020-0132	· RING ; SNAP 55x2	· 스냅 링	· 卡环	2	2	2	2	2	2	2		
20060	65.05205-0018	· PIN ; IDLE GEAR	· 아이들 기어 핀	· 惰轮销	1	1	1	1	1	1	1		
20080	06.29010-0125	· RING ; SNAP 30x2	· 스냅 링	· 卡环	1	1	1	1	1	1	1		
20090	65.90030-0009	· BOLT ; SOCKET HEAD M10x60	· 소켓 헤드 볼트	· 内六角螺栓	1	1	1	1	1	1	1		

Fig.090

OIL FILTER & OIL COOLER | 오일 여과기 및 오일 냉각기 | 机油滤清器与机油冷却器

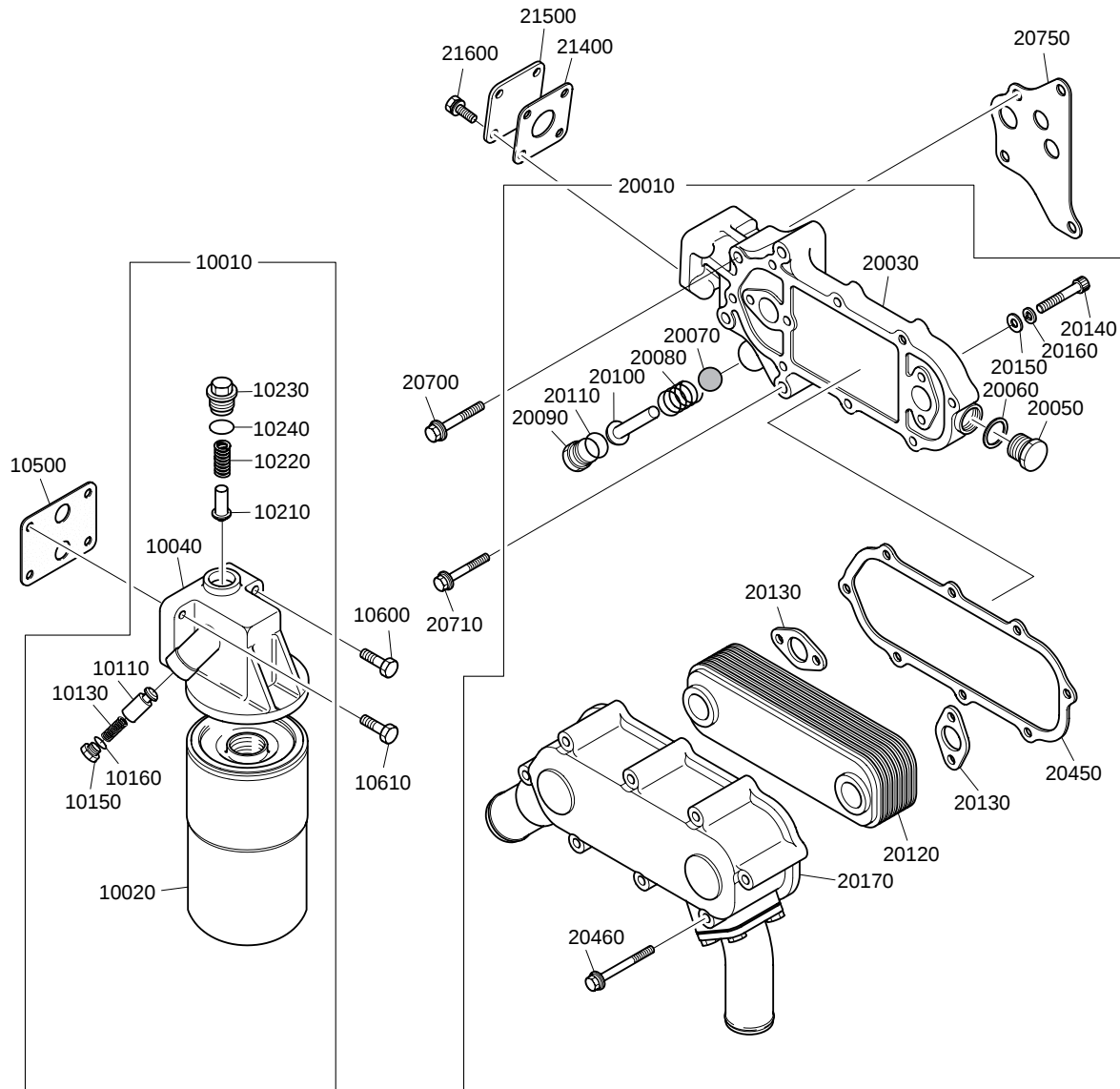


Fig.090

OIL FILTER & OIL COOLER | 오일 여과기 및 오일 냉각기 | 机油滤清器与机油冷却器

Key No.	Part No.	Description	부 품 명	零 件 名 称	Q'ty							S.C	Remarks
					E A C O A / B	E A C P A	E A D O A / B / C	E A D P A / B	E A D P C	E B O A / B / C	E B P P A		
10010	65.05501-7064A	OIL FILTER ASS'Y	오일 필터 조립품	机油滤清器总成	1	1	1	1	1	1	1		
10020	65.05510-5022A	· FILTER ; OIL	· 오일 필터	· 机油滤清器	1	1	1	1	1	1	1		
10040	65.05503-5042	· HEAD ; OIL FILTER	· 오일 필터 헤드	· 机油滤清器顶盖	1	1	1	1	1	1	1		
10110	65.05518-0003	· PLUNGER ; VALVE	· 밸브 플런저	· 阀门柱塞	1	1	1	1	1	1	1		
10130	65.97601-0065	· SPRING	· 스프링	· 弹簧	1	1	1	1	1	1	1		
10150	65.90310-0057	· SCREW ; PLUG M20x1.5	· 플러그 스크류	· 螺塞	1	1	1	1	1	1	1		
10160	06.56190-0716	· RING ; SEAL A21x26	· 시일 링	· 密封环	1	1	1	1	1	1	1		
10210	65.05518-0006	· VALVE	· 밸브	· 阀	1	1	1	1	1	1	1		
10220	65.97601-0075	· SPRING	· 스프링	· 弹簧	1	1	1	1	1	1	1		
10230	65.90310-0065	· SCREW ; PLUG	· 플러그 스크류	· 螺塞	1	1	1	1	1	1	1		
10240	06.56190-0726	· RING ; SEAL A26x31	· 시일 링	· 密封环	1	1	1	1	1	1	1		
10500	65.05901A0052	GASKET ; OIL FILTER	오일 필터 가스켓	机油滤清器衬垫	1	1	1	1	1	1	1		
10600	06.01913-3122	BOLT ASS'Y M8x55	볼트 조립품	螺栓总成	2	2	2	2	2	2	2		
10610	06.01913-3118	BOLT ASS'Y M8x35	볼트 조립품	螺栓总成	2	2	2	2	2	2	2		
20010	65.05601-7137B	OIL COOLER ASS'Y	오일 쿨러 조립품	机油冷却器总成	1	1	1	1	1	1	1		
20030	65.05604-5030	· HOUSING ; OIL COOLER	· 오일 쿨러 하우징	· 机油冷却器壳	1	1	1	1	1	1	1		
20050	65.90310-0136	· SCREW ; PLUG	· 플러그 스크류	· 螺塞	1	1	1	1	1	1	1		
20060	06.56190-0718	· RING ; SEAL	· 시일 링	· 密封环	1	1	1	1	1	1	1		
20070	06.31641-0429	· BALL ; BY-PASS VLV CLR 11/16	· 바이패스 볼	· 旁路球	1	1	1	1	1	1	1		
20080	65.97601-0004	· SPRING	· 스프링	· 弹簧	1	1	1	1	1	1	1		
20090	65.90310-0003	· SCREW ; PLUG M26x1.5	· 플러그 스크류	· 螺塞	1	1	1	1	1	1	1		
20100	65.05611-0001	· PIN	· 핀	· 销	1	1	1	1	1	1	1		
20110	06.56190-0728	· RING ; SEAL A26x32	· 시일 링	· 密封环	1	1	1	1	1	1	1		
20120	65.05606-5020	· INSERT ; OIL COOLER	· 오일 쿨러 insert	机油冷却器芯	1	1	1	1	1	1	1		
20130	65.96601-0018A	· GASKET ; FLANGE	· 홀랜지 가스켓	· 法兰衬垫	2	2	2	2	2	2	2		
20140	06.02090-0418	· BOLT ; SOCKET HEAD	· 소켓 헤드 볼트	· 内六角螺栓	4	4	4	4	4	4	4		
20150	06.15030-0513	· WASHER ; PLAIN 8.4	· 평 와셔	· 平垫圈	4	4	4	4	4	4	4		
20160	06.16110-0106	· WASHER ; SPRING A8	· 스프링 와셔	· 弹簧垫圈	4	4	4	4	4	4	4		
20170	65.05605-0028	· COVER ; OIL COOLER	· 오일 쿨러 커버	· 机油冷却器	1	1	1	1	1	1	1		
20450	65.05902-0008A	· GASKET ; OIL COOLER	· 오일 쿨러 가스켓	· 机油冷却器衬垫	1	1	1	1	1	1	1		
20460	06.01923-3126	· BOLT ASS'Y M8x75	· 볼트 조립품	· 螺栓总成	8	8	8	8	8	8	8		
20700	65.90001-6011	BOLT ASS'Y M10x70	볼트 조립품	螺栓总成	2	2	2	2	2	2	2		
20710	06.01924-3225	BOLT ASS'Y M10x70	볼트 조립품	螺栓总成	2	2	2	2	2	2	2		
20750	65.05902A0011	GASKET ; OIL COOLER HOUSING	오일 쿨러 하우징 가스켓	机油冷却箱衬垫	1	1	1	1	1	1	1		
21400	65.96601-0347	OIL COOLER GASKET ASS'Y	오일 쿨러 가스켓 조립품	机油冷却器衬垫总成	1	1	1	1	-	1	1		
21500	65.91605-0110	COVER ; BLIND	블라인드 커버	盲板盖	1	1	1	1	-	1	1		
21600	06.01913-3112	BOLT ASS'Y M8x18	볼트 조립품	螺栓总成	4	4	4	4	-	4	4		

Fig.100

OIL PAN & OIL PIPE | 오일 팬 및 오일 파이프 | 油底壳与机油管

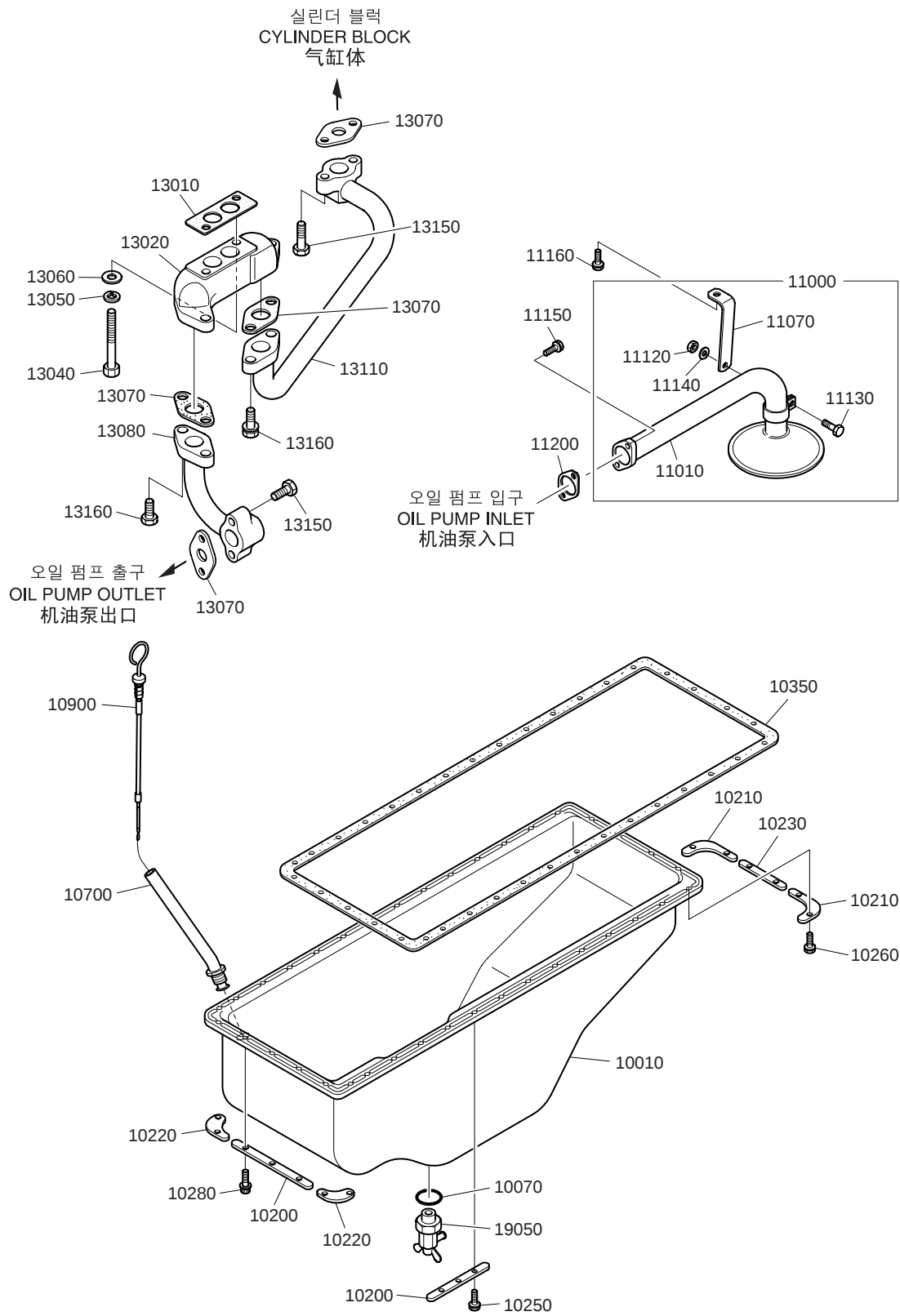


Fig.100

OIL PAN & OIL PIPE | 오일 팬 및 오일 파이프 | 油底壳与机油管

Key No.	Part No.	Description	부 품 명	零 件 名 称	Q'ty							S.C	Remarks
					E A C O A / B	E A C P A	E A D O A / B / C	E A D P A / B	E A D P C	E B O A / B / C	E B P P A		
10010	65.05801-5205A	PAN ; OIL	오일 팬	油底壳	1	1	1	1	1	1	1		
10070	06.56190-0732	RING ; SEAL A30x36	시일 링	密封环	1	1	1	1	1	1	1		
10200	65.05809-0012	WASHER ; OIL PAN	오일 팬 와셔	油底壳垫圈	9	9	9	9	9	9	9		
10210	65.05809-0013	WASHER ; OIL PAN	오일 팬 와셔	油底壳垫圈	2	2	2	2	2	2	2		
10220	65.05809-0014	WASHER ; OIL PAN	오일 팬 와셔	油底壳垫圈	2	2	2	2	2	2	2		
10230	65.05809-0037	WASHER ; OIL PAN	오일 팬 와셔	油底壳垫圈	1	1	1	1	1	1	1		
10250	65.90001-6005	SOCKET BOLT ASS'Y	소켓 볼트 조립품	内六角螺栓总成	2	2	2	2	2	2	2		
10260	06.01913-3115	BOLT ASS'Y M8x25	볼트 조립품	螺栓总成	25	25	25	25	25	25	25		
10280	65.90001-6006	SOCKET BOLT ASS'Y	소켓 볼트 조립품	内六角螺栓总成	10	10	10	10	10	10	10		
10350	65.05904A0016	GASKET ; OIL PAN	오일 팬 가스켓	油底壳衬垫	1	1	1	1	1	1	1		
10700	65.05806-6052	GUIDE TUBE ASS'Y	게이지 튜브 조립품	导管总成	1	1	1	1	1	1	1		
10900	65.05805-5137	OIL LEVEL GAUGE ASS'Y	오일 레벨 게이지 조립품	机油量尺总成	1	1	1	1	1	1	1		
11000	65.05701-6023A	OIL SUCTION PIPE ASS'Y	오일 흡입 파이프 조립품	吸油管总成	1	1	1	1	1	1	1		
11010	65.05701-5809A	· OIL SUCTION PIPE ASS'Y	· 오일 흡입 파이프 조립품	· 吸油管总成	1	1	1	1	1	1	1		
11070	65.05740-0016	· BRACKET	· 브라켓	· 支架	1	1	1	1	1	1	1		
11120	65.90510-0012	· NUT	· 너 트	· 螺母	1	1	1	1	1	1	1		
11130	06.01283-7114	· BOLT ; HEX. M8x22	· 육각 볼트	· 六角螺栓	1	1	1	1	1	1	1		
11140	06.15010-2311	· WASHER ; PLAIN 8.4	· 평 와셔	· 平垫圈	1	1	1	1	1	1	1		
11150	06.01913-3113	BOLT ASS'Y M8x20	볼트 조립품	螺栓总成	2	2	2	2	2	2	2		
11160	06.01913-3111	BOLT ASS'Y M8x16	볼트 조립품	螺栓总成	1	1	1	1	1	1	1		
11200	65.96601B0019	GASKET ; OIL SUCTION PIPE	오일 석션 파이프 가스켓	吸油管衬垫	1	1	1	1	1	1	1		
13010	65.05903B0003	GASKET	가스켓	衬垫	1	1	1	1	1	1	1		
13020	65.05715-5001	CONNECTION FLANGE ASS'Y	컨넥션 플랜지 조립품	连接法兰总成	1	1	1	1	1	1	1		
13040	06.02090-0422	BOLT ; SOCKET HEAD M8x65	소켓 헤드 볼트	内六角螺栓	2	2	2	2	2	2	2		
13050	06.16731-2107	WASHER ; SPRING A8	스프링 와셔	弹簧垫圈	2	2	2	2	2	2	2		
13060	06.15010-2311	WASHER ; PLAIN 8.4	평 와셔	平垫圈	2	2	2	2	2	2	2		
13070	65.96601-0050	GASKET	가스켓	衬垫	4	4	4	4	4	4	4		
13080	65.05701-5153	OIL PIPE ASS'Y	오일 파이프 조립품	机油管总成	1	1	1	1	1	1	1		
13110	65.05701-5230	OIL DELIVERY PIPE ASS'Y	오일 딜리버리 파이프 조립품	输油管总成	1	1	1	1	1	1	1		
13150	65.90001-6006	SOCKET BOLT ASS'Y	소켓 볼트 조립품	内六角螺栓总成	4	4	4	4	4	4	4		
13160	06.01923-3113	BOLT ASS'Y M8x20	볼트 조립품	螺栓总成	4	4	4	4	4	4	4		
19050	65.98125-5011	JOINT ; DRAIN	드레인 조인트	排(油塞)接头	1	1	1	1	1	1	1		

Fig.110
COOLING WATER PIPE | 냉각수 파이프 | 冷却水管

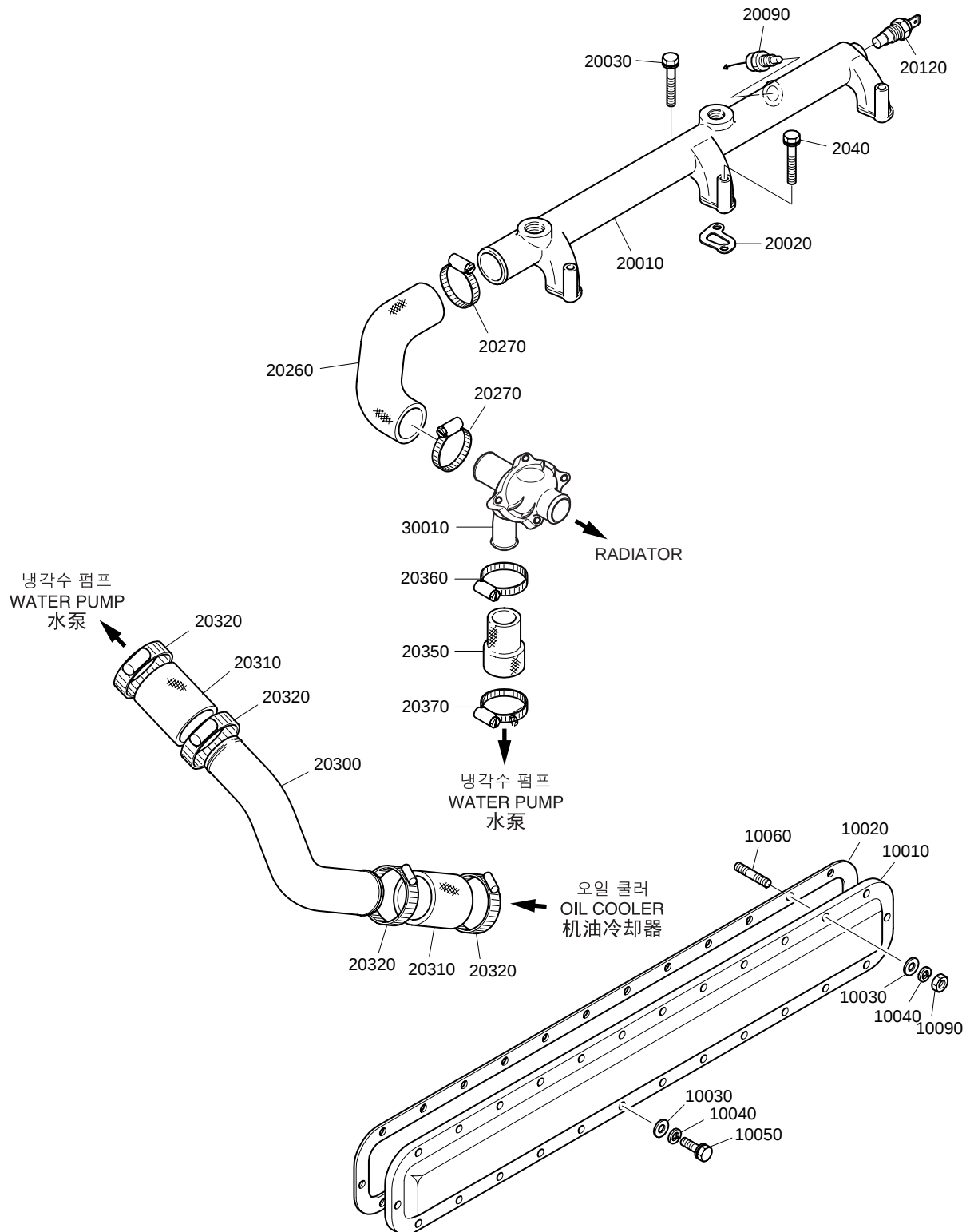


Fig.110
COOLING WATER PIPE | 냉각수 파이프 | 冷却水管

Key No.	Part No.	Description	부 품 명	零 件 名 称	Q'ty							S.C	Remarks
					E A C O A / B	E A C P A	E A D O A / B / C	E A D P A / B	E A D P C	E B P O A / B / C	E B P P A		
10010	65.01705-0002	COVER ; WATER CHAMBER	냉각수 챔버 커버	水箱盖	1	1	1	1	1	1	1		
10020	65.01907A0002	GASKET ; WATER CHAMBER COVER	냉각수 챔버 커버 가스켓	水箱盖衬垫	1	1	1	1	1	1	1		
10030	06.15010-2311	WASHER ; PLAIN 8.4	평 와셔	平垫圈	12	12	12	12	12	12	12		
10040	06.16731-2107	WASHER ; SPRING A8	스프링 와셔	弹簧垫圈	12	12	12	12	12	12	12		
10050	06.01923-3115	HEX. BOLT ASS'Y M8x25	육각 볼트 조립품	六角螺栓总成	14	14	14	14	14	14	14		
10060	65.90201-0149	BOLT ; STUD M8x25	스터드 볼트	双头螺栓	12	12	12	12	12	12	12		
10090	06.11063-8214	NUT ; HEX. M8	육각 너트	六角螺母	12	12	12	12	12	12	12		
20010	65.06301-0132A	PIPE ; COOLING WATER	냉각수 파이프	冷却水管	1	1	1	1	1	1	1		
20020	65.06903A0011	GASKET ; COOLING WATER PIPE	냉각수 파이프 가스켓	冷却水管密封	3	3	3	3	3	3	3		
20030	06.01923-3122	BOLT ASS'Y M8x55	볼트 조립품	螺栓总成	3	3	3	3	3	3	3		
20040	06.01923-3124	BOLT ASS'Y M8x65	볼트 조립품	螺栓总成	3	3	3	3	3	3	3		
20090	66.27435-6008	SWITCH ; THERMOSTAT	냉각수 온도 스위치	温度调节器开关	1	1	1	1	1	1	1		
20120	65.27405-5005	SENDER ; THERMOSTAT	서모스타트 센더	温度传送器	1	1	1	1	1	1	1		
20260	65.96301-0256	HOSE ; RUBBER	고무 호스	橡胶软管	1	1	1	1	1	-	-		
-	65.96301-0257	HOSE ; RUBBER	고무 호스	橡胶软管	-	-	-	-	-	1	1		
20270	06.67020-0109	CLAMP ; HOSE NW32	호스 클램프	更新的软管夹	2	2	2	2	2	2	2		
20300	65.06301-0083	PIPE ; COOLING WATER	냉각수 파이프	冷却水管	1	1	1	1	1	1	1		
20310	04.27405-1908A	HOSE ; RUBBER 50x62x80	고무 호스	橡胶软管	2	2	2	2	2	2	2		
20320	06.67020-0109	CLAMP ; HOSE NW32	호스 클램프	更新的软管夹	4	4	4	4	4	4	4		
20350	65.96301-0152B	HOSE ; RUBBER	고무 호스	橡胶软管	1	1	1	1	1	-	-		
-	65.96301-0258	HOSE ; RUBBER	고무 호스	橡胶软管	-	-	-	-	-	1	1		
20360	06.67020-0106	CLAMP ; HOSE NW S20	호스 클램프	更新的软管夹	-	-	-	-	-	2	2		
-	06.67020-0109	CLAMP ; HOSE NW32	호스 클램프	更新的软管夹	1	1	1	1	1	1	1		
20370	06.67020-0108	CLAMP ; HOSE NW28	호스 클램프	更新的软管夹	1	1	1	1	1	1	1		
30010	65.06401-6039	THERMOSTAT ASS'Y	서모스타트 조립품	节温器总成	-	-	-	-	-	1	1		
-	65.06401-6050	THERMOSTAT ASS'Y	서모스타트 조립품	节温器总成	1	1	1	1	1	-	-		

Fig.120
COOLING WATER PUMP | 냉각수 펌프 | 冷却水泵

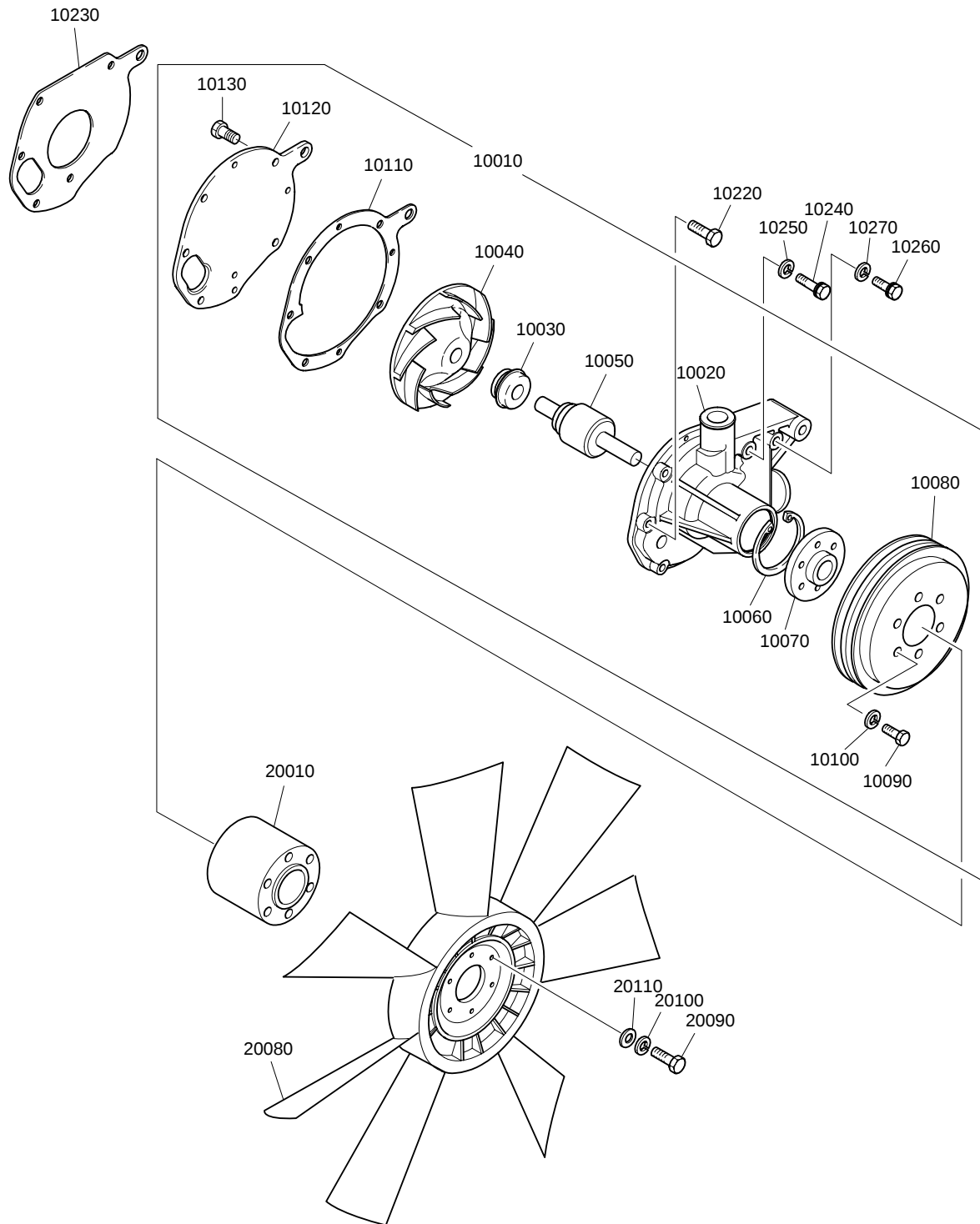


Fig.120
COOLING WATER PUMP | 냉각수 펌프 | 冷却水泵

Key No.	Part No.	Description	부 품 명	零 件 名 称	Q'ty							S.C	Remarks
					E A C O A / B	E A C P A	E A D O A / B / C	E A D P A / B	E A D P C	E B P O A / B / C	E B P P A		
10010	65.06500-6139C	WATER PUMP ASS'Y	냉각수 펌프 조립품	水泵总成	1	1	1	1	1	1	1		
10020	65.06501-0076C	· HOUSING ; WATER PUMP	· 냉각수 펌프 하우징	· 水泵壳	1	1	1	1	1	1	1		
10030	65.06520-6007	· SEAL ; MECHANICAL	· 메카니컬 시일	· 机械密封	1	1	1	1	1	1	1		
10040	65.06506-0023	· IMPELLER	· 임펠러	· 叶轮	1	1	1	1	1	1	1		
10050	65.93410-0027	· BEARING ; WATER PUMP	· 냉각수 펌프 베어링	· 水泵轴承	1	1	1	1	1	1	1		
10060	06.29020-0132	· RING ; SNAP 55x2	· 스냅 링	· 卡环	1	1	1	1	1	1	1		
10070	65.06504-0030A	· HUB	· 허 브	· 轮毂	1	1	1	1	1	1	1		
10080	65.06503-0078	· PULLEY ; WATER PUMP	· 냉각수 펌프 폴리	· 水泵皮带轮	1	1	1	1	1	1	1		
10090	06.01013-9107	· BOLT ; HEX. M8x50	· 육각 볼트	· 六角螺栓	6	6	6	6	6	6	6		
10100	06.16731-2107	· WASHER ; SPRING A8	· 스프링 와셔	· 弹簧垫圈	6	6	6	6	6	6	6		
10110	65.06901A0019	· GASKET ; WATER PUMP	· 냉각수 펌프 가스켓	· 冷却水泵衬垫	1	1	1	1	1	1	1		
10120	65.06512-0010	· COVER ; WATER PUMP	· 냉각수 펌프 커버	· 水泵盖	1	1	1	1	1	1	1		
10130	06.04201-8907	· BOLT ; SOCKET HEAD M6x14	· 소켓 헤드 볼트	· 内六角螺栓	3	3	3	3	3	3	3		
10220	06.01913-3119	BOLT ASS'Y M8x40	볼트 조립품	螺栓总成	3	3	3	3	3	3	3		
10230	65.06901A0020	· GASKET	· 가스켓	· 衬垫	1	1	1	1	1	1	1		
10240	06.01913-7126	· BOLT ASS'Y M8x75	· 볼트 조립품	· 螺栓总成	1	1	1	1	1	1	1		
10250	06.16731-2107	· WASHER ; SPRING A8	· 스프링 와셔	· 弹簧垫圈	1	1	1	1	1	1	1		
10260	06.01913-3228	· BOLT ASS'Y M10x85	· 볼트 조립품	· 螺栓总成	1	1	1	1	1	1	1		
10270	06.16731-2108	· WASHER ; SPRING A10	· 스프링 와셔	· 弹簧垫圈	1	1	1	1	1	1	1		
20010	65.06611-0092A	FLANGE ; INTERMEDIATE	중간 플랜지	中间法兰	1	1	1	1	1	-	-		
-	65.06611-0109A	FLANGE ; INTERMEDIATE	중간 플랜지	中间法兰	-	-	-	-	-	1	1		
20080	65.06601-0001	FAN ; COOLING	쿨링 웬	冷却风扇	1	1	1	1	1	-	-		
-	65.06601-5050	FAN ; COOLING	쿨링 웬	冷却风扇	-	-	-	-	-	1	1		
20090	06.01013-9127	BOLT ; HEX. M8x120	육각 볼트	六角螺栓	-	-	-	-	-	6	6		
-	06.01913-3128	BOLT ; HEX. M8x85	육각 볼트	六角螺栓	6	6	6	6	6	-	-		
20100	06.16731-2107	WASHER ; SPRING A8	스프링 와셔	弹簧垫圈	-	-	-	-	-	6	6		
20110	65.90701-0087	WASHER	와 셔	垫圈	-	-	-	-	-	6	6		

Fig.130
EXHAUST MANIFOLD | 배기 매니폴드 | 排气歧管

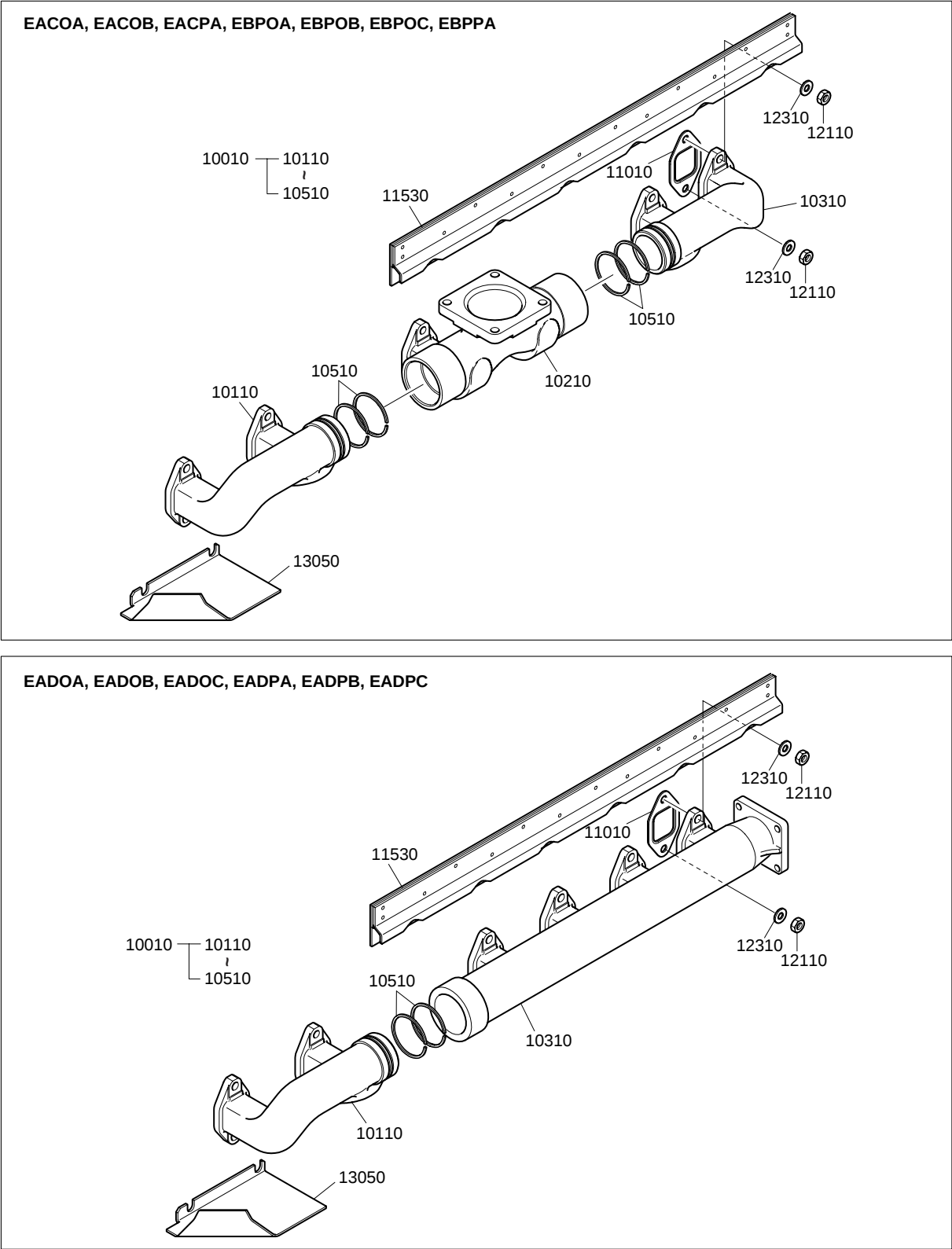


Fig.130
EXHAUST MANIFOLD | 배기 매니홀드 | 排气歧管

Key No.	Part No.	Description	부 품 명	零 件 名 称	Q'ty							S.C	Remarks
					E A C O A / B	E A C P A	E A D O A / B / C	E A D P A / B	E A D P C	E B P O A / B / C	E B P P A		
10010	65.08100-6054	EXHAUST MANIFOLD ASS'Y	배기 매니홀드 조립품	排气歧管总成	1	1	-	-	-	-	-		
-	65.08100-6055A	EXHAUST MANIFOLD ASS'Y	배기 매니홀드 조립품	排气歧管总成	-	-	1	1	1	-	-		
-	65.08100-6056	EXHAUST MANIFOLD ASS'Y	배기 매니홀드 조립품	排气歧管总成	-	-	-	-	-	1	1		
10110	65.08101-0193	· MANIFOLD ; EXHAUST(L.H.)	· 배기 매니홀드(좌측)	· 排气歧管(左)	1	1	1	1	1	1	1		
10210	65.08101-0149	· MANIFOLD ; EXHAUST(M)	· 배기 매니홀드(중간)	· 排气歧管(中)	1	1	-	-	-	-	-		
-	65.08101-0195	· MANIFOLD ; EXHAUST(M)	· 배기 매니홀드(중간)	· 排气歧管(中)	-	-	-	-	-	1	1		
10310	65.08101-0192	· MANIFOLD ; EXHAUST(R.H.)	· 배기 매니홀드(우측)	· 排气歧管(右)	-	-	1	1	1	-	-		
-	65.08101-0194	· MANIFOLD ; EXHAUST(R.H.)	· 배기 매니홀드(우측)	· 排气歧管(右)	1	1	-	-	-	1	1		
10510	65.96501-0007	RING ; EXHAUST MANIFOLD	배기 매니홀드 링	排气歧管环	4	4	2	2	2	4	4		
11010	65.08901A0013	GASKET ; EXHAUST MANIFOLD	배기 매니홀드 가스켓	排气歧管衬垫	6	6	6	6	6	6	6		
11530	65.08120-5018B	SCREEN ; HEAT	히트 스크린	防热屏	1	1	1	1	1	1	1		
12110	06.11063-8215	NUT ; HEX. M10	육각 너트	六角螺母	12	12	12	12	12	12	12		
12310	06.15010-2312	WASHER ; PLAIN 10.5	평 와셔	平垫圈	12	12	12	12	12	12	12		
13050	65.08120-0017	SCREEN ; HEAT	히트 스크린	防热屏	1	1	1	1	1	1	1		

Fig.140
 INTAKE MANIFOLD | 흡기 매니폴드 | 进气歧管

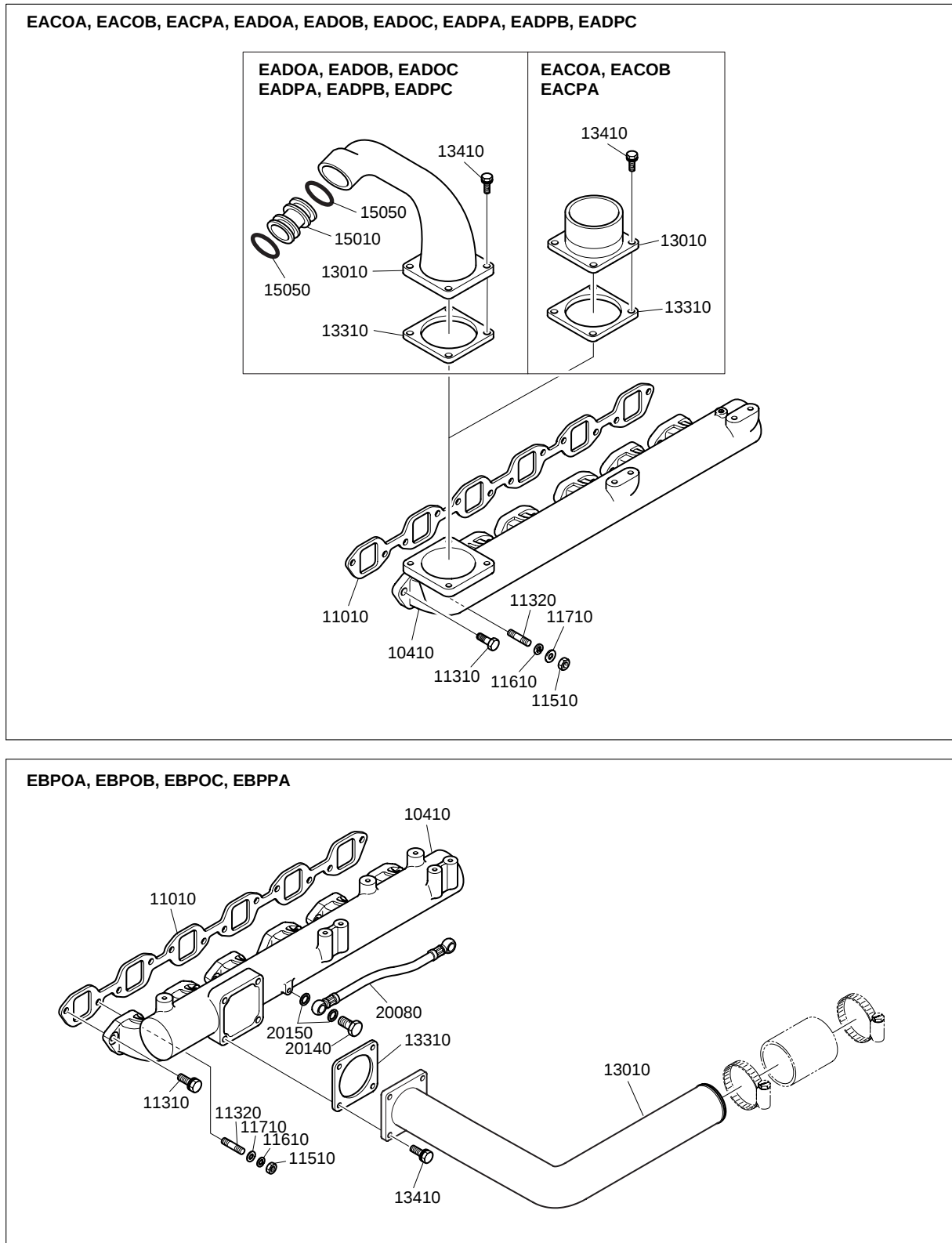


Fig.140
INTAKE MANIFOLD | 흡기 매니홀드 | 进气歧管

Key No.	Part No.	Description	부 품 명	零 件 名 称	Q'ty								S.C	Remarks
					E A C O A / B	E A C P A	E A D O A / B / C	E A D P A / B	E A D P C	E B P O A / B / C	E B P P A			
10410	65.08201-0040B	MANIFOLD ; INTAKE	흡기 매니홀드	进气歧管	1	1	1	1	1	-	-			
-	65.08201-0051	MANIFOLD ; INTAKE	흡기 매니홀드	进气歧管	-	-	-	-	-	1	1			
11010	65.08902A0024	GASKET ; INTAKE MANIFOLD	흡기 매니홀드 가스켓	进气歧管衬垫	1	1	1	1	1	1	1			
11310	06.01923-3218	BOLT ASS'Y M10x35	볼트 조립품	螺栓总成	10	10	10	10	10	8	8			
11510	06.11063-8215	NUT ; HEX. M10	육각 너트	六角螺母	2	2	2	2	2	2	2			
11610	06.16731-2108	WASHER ; SPRING A10	스프링 와셔	弹簧垫圈	2	2	2	2	2	2	2			
11710	06.15030-0514	WASHER ; PLAIN 10.5	평 와셔	平垫圈	2	2	2	2	2	2	2			
13010	65.08202-0099	STAKE ; INTAKE	흡기관	进气管	1	1	-	-	-	-	-			
-	65.08202-0264	STAKE ; INTAKE	흡기관	进气管	-	-	1	1	1	-	-			
-	65.09411-5060	INLET	인 렛	进管	-	-	-	-	-	1	1			
13310	60.08904-0001	GASKET	가스켓	衬垫	-	-	-	-	-	1	1			
-	65.08902A0010	GASKET	가스켓	衬垫	1	1	1	1	1	-	-			
13410	06.01913-3215	BOLT ASS'Y M10x25	볼트 조립품	螺栓总成	-	-	-	-	-	4	4			
-	06.01924-3215	BOLT ASS'Y M10x25	볼트 조립품	螺栓总成	4	4	4	4	4	-	-			
15010	65.08220-0002A	PIPE ; CONNECTION	연결 파이프	连接管路	-	-	1	1	1	-	-			
15050	65.96501-0058	O-RING	O-링	O-型环	-	-	2	2	2	-	-			
20080	65.08301-6012	AIR HOSE ASS'Y	공기 호스 조립품	空气软管总成	-	-	-	-	-	1	1			
20140	65.98150-0053B	SCREW ; HOLLOW	홀로우 스크류	空心螺钉	-	-	-	-	-	1	1			
20150	06.56180-0714	RING ; SEAL A10x15	시일 링	密封环	-	-	-	-	-	2	2			

Fig.150
TURBO CHARGER | 터보 차저 | 涡轮增压器

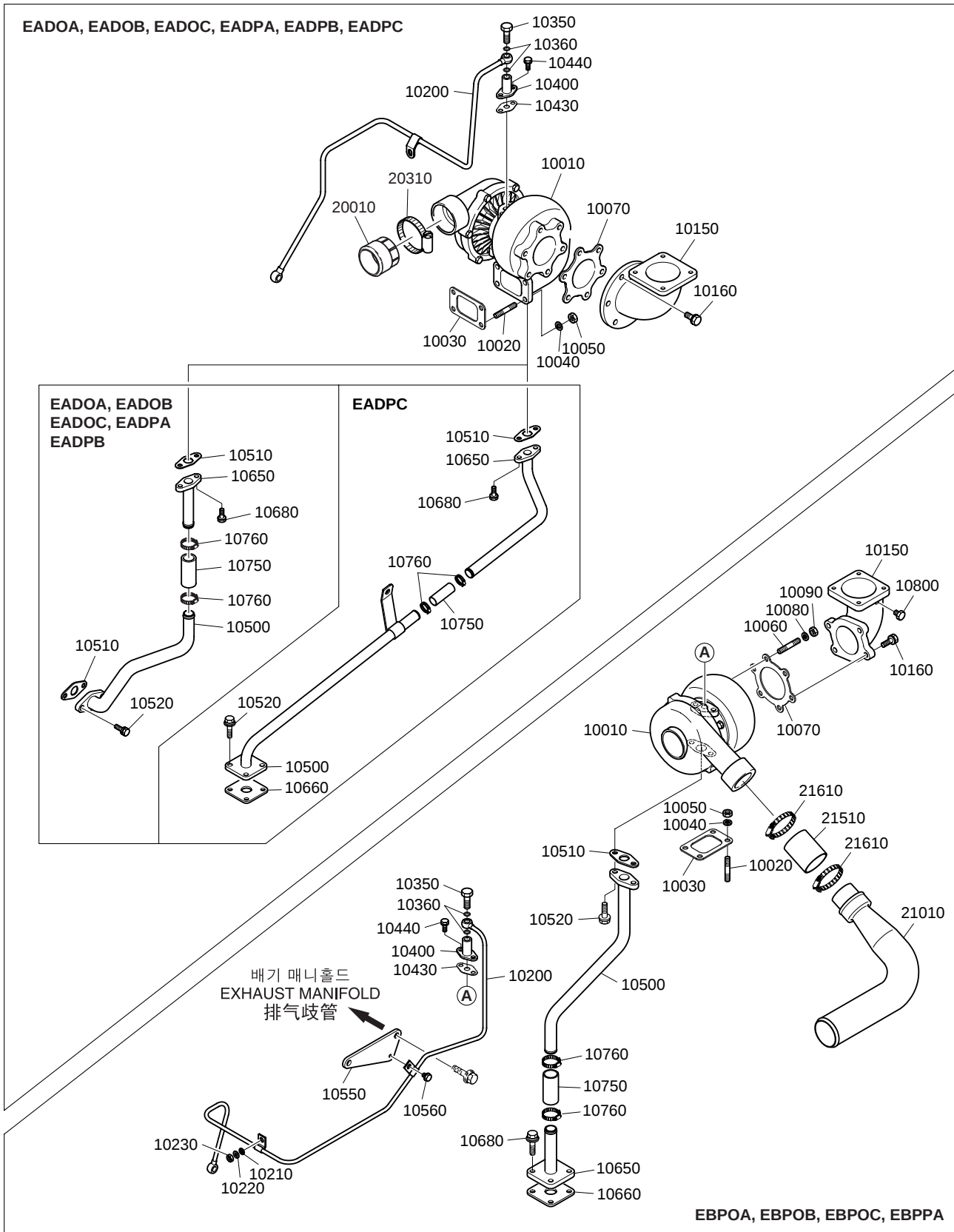


Fig.150
TURBO CHARGER | 터보 차저 | 涡轮增压器

Key No.	Part No.	Description	부 품 명	零 件 名 称	Q'ty							S.C	Remarks
					E A C O A / B	E A C P A	E A D O A / B / C	E A D P A / B	E A D C	E B C O A / B / C	E B P A		
10010	65.09100-7047	TURBO CHARGER ASS'Y	터보 차저 조립품	涡轮增压器总成	-	-	-	-	-	1	1		
-	65.09100-7198	TURBO CHARGER ASS'Y	터보 차저 조립품	涡轮增压器总成	-	-	1	1	1	-	-		
10020	65.90201-0073	BOLT ; STUD	스터드 볼트	双头螺栓	-	-	4	4	4	4	4		
10030	65.09901-0018A	GASKET	가스켓	衬垫	-	-	1	1	1	1	1		
10040	06.16731-2108	WASHER ; SPRING A10	스프링 와셔	弹簧垫圈	-	-	4	4	4	4	4		
10050	06.11024-9202	NUT M10x1.25	너 트	螺母	-	-	4	4	4	-	-		
-	65.90535-0001	NUT ; FLANGE	홀랜지 너트	法兰螺母	-	-	-	-	-	4	4		
10060	65.90201-0072	BOLT ; STUD M12x1.5x30	스터드 볼트	双头螺栓	-	-	-	-	-	2	2		
10070	65.09901-0012	GASKET	가스켓	衬垫	-	-	1	1	1	1	1		
10080	06.16731-2108	WASHER ; SPRING A10	스프링 와셔	弹簧垫圈	-	-	-	-	-	2	2		
10090	06.11063-8215	NUT ; HEX. M10	육각 너트	六角螺母	-	-	-	-	-	2	2		
10150	60.08112-0020A	PIPE ; EXHAUST OUTLET	배기 파이프	排气出口管	-	-	-	-	-	1	1		
-	65.08112-0027	PIPE ; EXHAUST OUTLET	배기 파이프	排气出口管	-	-	1	1	1	-	-		
10160	06.01913-3215	BOLT ASS'Y M10x25	볼트 조립품	螺栓总成	-	-	4	4	4	-	-		
-	06.01913-3218	BOLT ASS'Y M10x35	볼트 조립품	螺栓总成	-	-	-	-	-	2	2		
10200	65.05701-5453	PIPE ; OIL	오일 파이프	机油管	-	-	-	-	-	1	1		
-	65.05701-5959	PIPE ; OIL DELIVERY	오일 딜리버리 파이프	输油管	-	-	1	1	1	-	-		
10210	06.15010-2311	WASHER ; PLAIN 8.4	평 와셔	平垫圈	-	-	-	-	-	1	1		
10220	06.16731-2107	WASHER ; SPRING A8	스프링 와셔	弹簧垫圈	-	-	-	-	-	1	1		
10230	06.11063-8214	NUT ; HEX. M8	육각 너트	六角螺母	-	-	-	-	-	1	1		
10350	06.78144-2403	SCREW ; HOLLOW M12x1.5	홀로우 스크류	空心螺钉	-	-	1	1	1	1	1		
10360	06.56190-0704	RING ; SEAL A12x18	시일 링	密封环	-	-	2	2	2	2	2		
10400	65.98131-5003	ADAPTER FLANGE ASS'Y	어댑터 홀렌지 조립품	接头法兰总成	-	-	1	1	1	1	1		
10430	65.96601-0046A	GASKET	가스켓	衬垫	-	-	1	1	1	1	1		
10440	06.01913-3114	BOLT ASS'Y M8x22	볼트 조립품	螺栓总成	-	-	2	2	2	2	2		
10500	65.05701-5669	PIPE ; OIL RETURN	오일 리턴 파이프	回油管	-	-	-	-	1	-	-		
-	65.05701-5958	PIPE ; OIL RETURN	오일 리턴 파이프	回油管	-	-	1	1	-	-	-		
-	65.05701-5980	PIPE ; OIL RETURN	오일 리턴 파이프	回油管	-	-	-	-	-	1	1		
10510	65.96601-0045A	GASKET ; TURBO CHARGER OIL RETURN PIPE	터보 차저 오일 리턴 파이프 가스켓	涡轮增压器回油管衬垫	-	-	2	2	1	1	1		
10520	06.01913-3114	BOLT ASS'Y M8x22	볼트 조립품	螺栓总成	-	-	2	2	4	2	2		
10550	65.05740-5004	BRACKET ; OIL PIPE	오일 파이프 브라켓	机油管支架	-	-	-	-	-	1	1		
10560	65.90020-0068	BOLT ; HEX.	육각 볼트	六角螺栓	-	-	-	-	-	1	1		
10650	65.05701-5639	PIPE ; OIL RETURN	오일 리턴 파이프	回油管	-	-	1	1	-	-	-		
-	65.05701-5670	PIPE ; OIL RETURN	오일 리턴 파이프	回油管	-	-	-	-	1	-	-		
-	65.05701-5981	PIPE ; OIL RETURN	오일 리턴 파이프	回油管	-	-	-	-	-	1	1		
10660	65.96601-0347	OIL COOLER GASKET ASS'Y	오일 쿨러 가스켓 조립품	机油冷却器衬垫总成	-	-	-	-	1	1	1		
10680	06.01913-3114	BOLT ASS'Y M8x22	볼트 조립품	螺栓总成	-	-	2	2	2	4	4		
10750	65.96301-0327	HOSE ; RUBBER	고무 호스	橡胶软管	-	-	1	1	1	1	1		
10760	06.67020-0105	CLAMP NWS16	클램프	夹	-	-	2	2	2	2	2		
10800	65.90310-0123	SCREW ; PLUG PT1/4	플러그 스크류	螺塞	-	-	-	-	-	1	1		
20010	65.08202-0244A	PIPE ; INLET	입구 파이프	进管油管	-	-	1	1	1	-	-		
20310	65.97440-0098	CLAMP ; HOSE(BAND TYPE)	호스 클램프	软管夹(滚边形)	-	-	1	1	1	-	-		
21010	65.08202-0105	PIPE ; AIR	공기 파이프	空气管	-	-	-	-	-	1	1		

Fig.150
TURBO CHARGER | 터보 차저 | 涡轮增压器

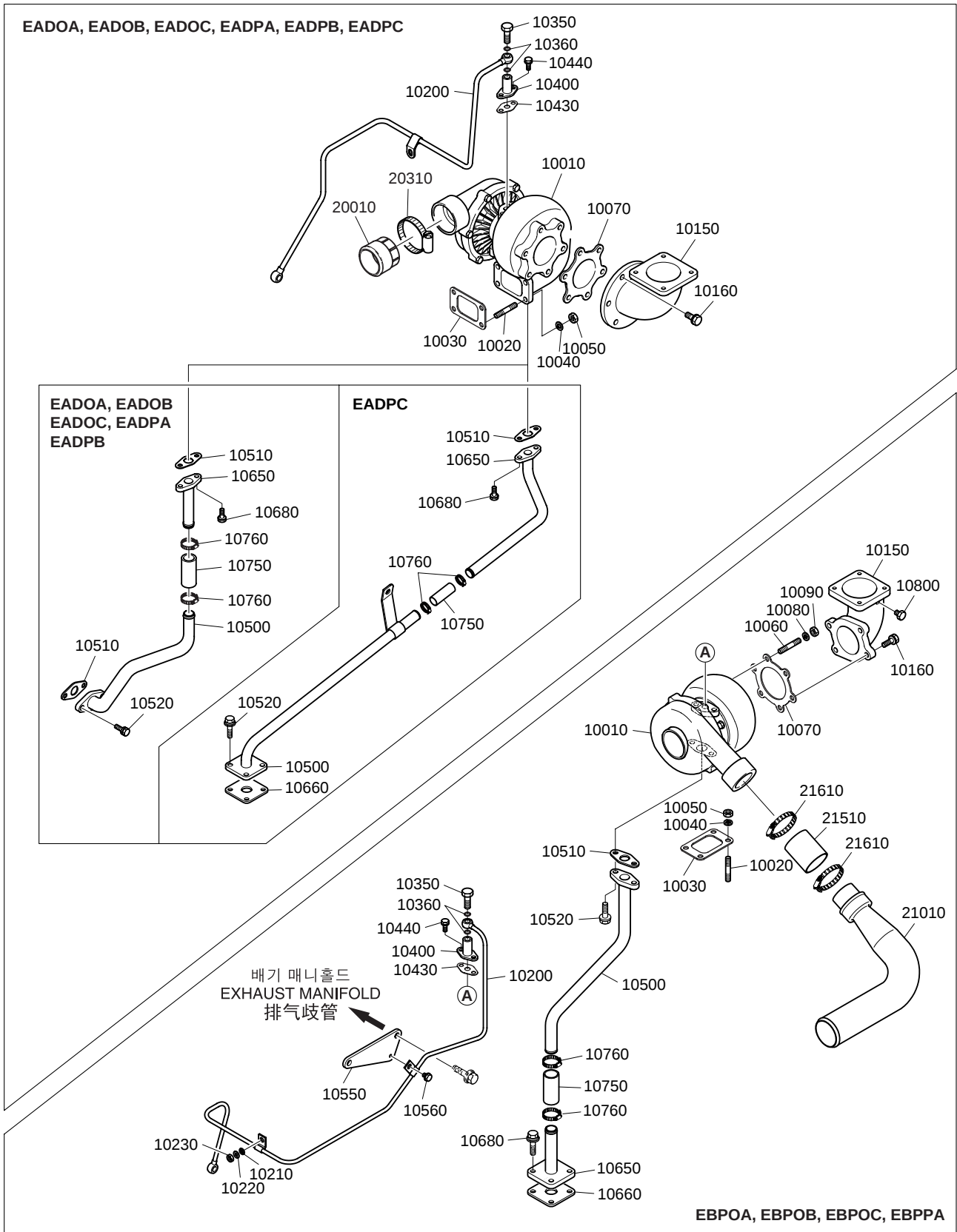


Fig.150
TURBO CHARGER | 터보 차저 | 涡轮增压器

Key No.	Part No.	Description	부 품 명	零 件 名 称	Q'ty							S.C	Remarks
					E A C O A / B	E A C P A	E A D O A / B / C	E A D P A / B	E A D P C	E B P O A / B / C	E B P P A		
21510	65.96301-0270	HOSE ; SILICON D75x80	실리콘 호스	硅制软管	-	-	-	-	-	1	1		
21610	65.97440-0097	CLAMP ; HOSE(BAND TYPE)	호스 클램프	软管夹(滚边形)	-	-	-	-	-	2	2		

Fig.160

NOZZLE & FUEL INJECTION PIPE | 노즐 및 연료 분사 파이프 | 喷油嘴与燃油喷射管

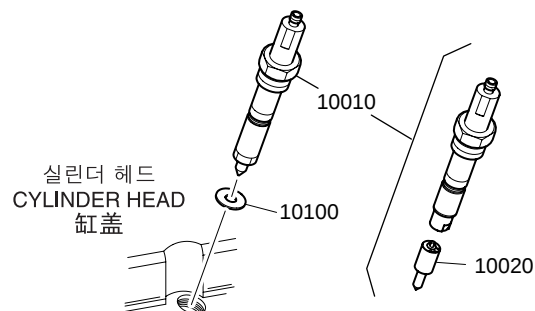
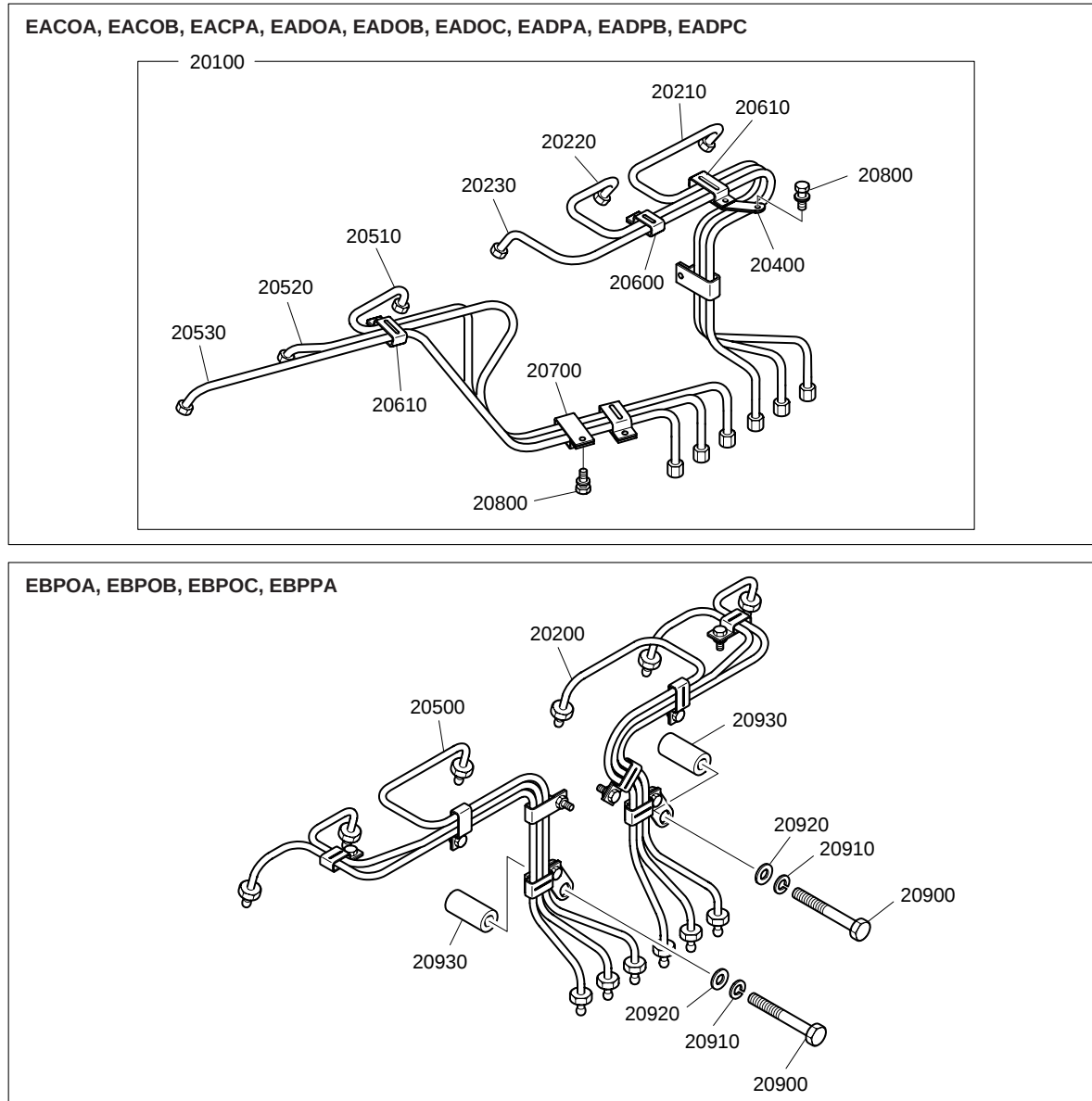


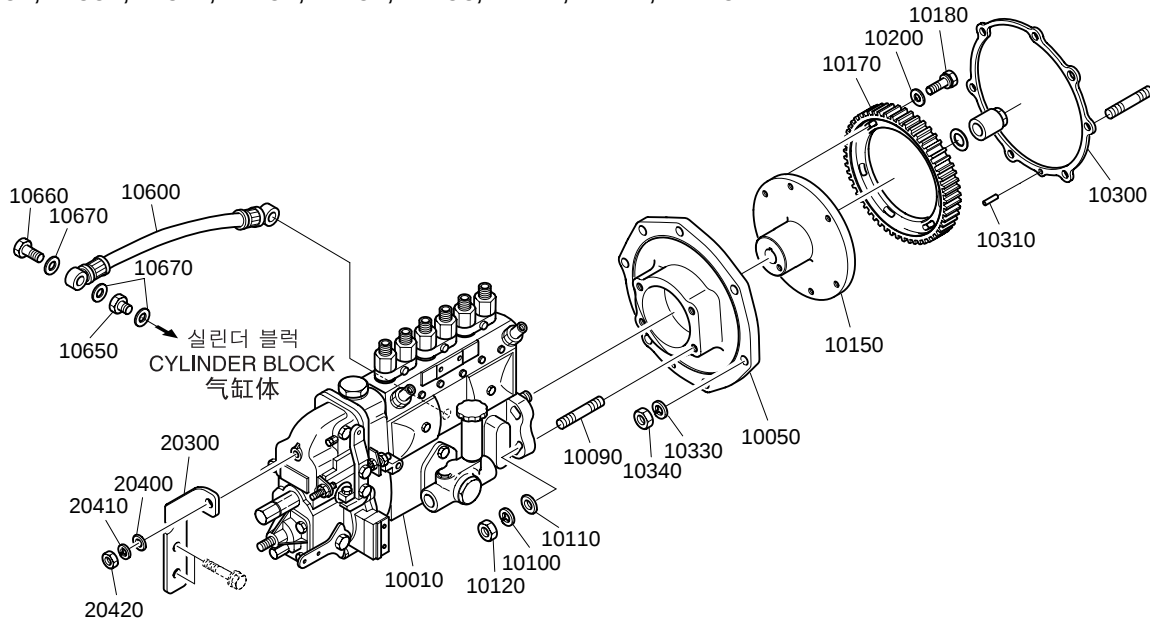
Fig.160

NOZZLE & FUEL INJECTION PIPE | 노즐 및 연료 분사 파이프 | 喷油嘴与燃油喷射管

Key No.	Part No.	Description	부 품 명	零 件 名 称	Q'ty							S.C	Remarks
					E A C O A / B	E A C P A	E A D O A / B / C	E A D P A / B	E A D P C	E B P O A / B / C	E B P P A		
10010	65.10101-7050A	NOZZLE & HOLDER ASS'Y	노즐 및 홀더 조립품	喷油嘴座总成	6	6	6	6	6	-	-		
-	65.10101-7055A	NOZZLE & HOLDER ASS'Y	노즐 및 홀더 조립품	喷油嘴座总成	-	-	-	-	-	6	-		
-	65.10101-7450A	NOZZLE & HOLDER ASS'Y	노즐 및 홀더 조립품	喷油嘴座总成	-	-	-	-	-	-	6		
10020	65.10102-6026A	· NOZZLE ASS'Y	· 노즐 조립품	· 喷油嘴总成	1	1	1	1	1	-	-		
-	65.10102-6049A	· NOZZLE ASS'Y	· 노즐 조립품	· 喷油嘴总成	-	-	-	-	-	1	-		
-	65.10102-6051A	· NOZZLE ASS'Y	· 노즐 조립품	· 喷油嘴总成	-	-	-	-	-	-	1		
10100	65.96501-0057	RING ; SEAL	시일 링	密封环	6	6	6	6	6	6	6		
20100	65.10301-6087	PIPE ; INJECTION	분사 파이프	喷油管	1	1	1	1	1	-	-		
20200	65.10301-6049B	PIPE ; INJECTION	분사 파이프	喷油管	-	-	-	-	-	1	1		
20210	65.10301-5259	· PIPE ; INJECTION NO.1	· 분사 파이프	· 喷油管	1	1	1	1	1	-	-		
20220	65.10301-5260	· PIPE ; INJECTION NO.2	· 분사 파이프	· 喷油管	1	1	1	1	1	-	-		
20230	65.10301-5261	· PIPE ; INJECTION NO.3	· 분사 파이프	· 喷油管	1	1	1	1	1	-	-		
20400	65.97480-0192	· HOLDER	· 홀 더	· 支承架	1	1	1	1	1	-	-		
20500	65.10301-6052B	PIPE ; INJECTION	분사 파이프	喷油管	-	-	-	-	-	1	1		
20510	65.10301-5262	· PIPE ; INJECTION NO.4	· 분사 파이프	· 喷油管	1	1	1	1	1	-	-		
20520	65.10301-5263	· PIPE ; INJECTION NO.5	· 분사 파이프	· 喷油管	1	1	1	1	1	-	-		
20530	65.10301-5264	· PIPE ; INJECTION NO.6	· 분사 파이프	· 喷油管	1	1	1	1	1	-	-		
20600	65.97401-6001	· PIPE CLIP ASS'Y	· 파이프 클립 조립품	· 管夹总成	1	1	1	1	1	-	-		
20610	65.97401-6002	· PIPE CLIP ASS'Y	· 파이프 클립 조립품	· 管夹总成	6	6	6	6	6	-	-		
20700	65.97480-0160	· HOLDER	· 홀 더	· 支承架	1	1	1	1	1	-	-		
20800	06.01923-3214	BOLT ASS'Y M10x22	볼트 조립품	螺栓总成	2	2	2	2	2	-	-		
20900	06.01013-9221	BOLT ; HEX. M10x80	육각 볼트	六角螺栓	-	-	-	-	-	2	2		
20910	06.16731-2108	WASHER ; SPRING A10	스프링 와셔	弹簧垫圈	-	-	-	-	-	2	2		
20920	06.15010-2312	WASHER ; PLAIN 10.5	평 와셔	平垫圈	-	-	-	-	-	2	2		
20930	65.91701-0165	SPACER	스페이서	衬套	-	-	-	-	-	2	2		

Fig.170
FUEL INJECTION PUMP | 연료 분사 펌프 | 喷油泵

EACOA, EACOB, EACPA, EADOA, EADOB, EADOC, EADPA, EADPB, EADPC



EBPOA, EBPOB, EBPOC, EBPPA

EBPOA, EBPOB, EBPOC

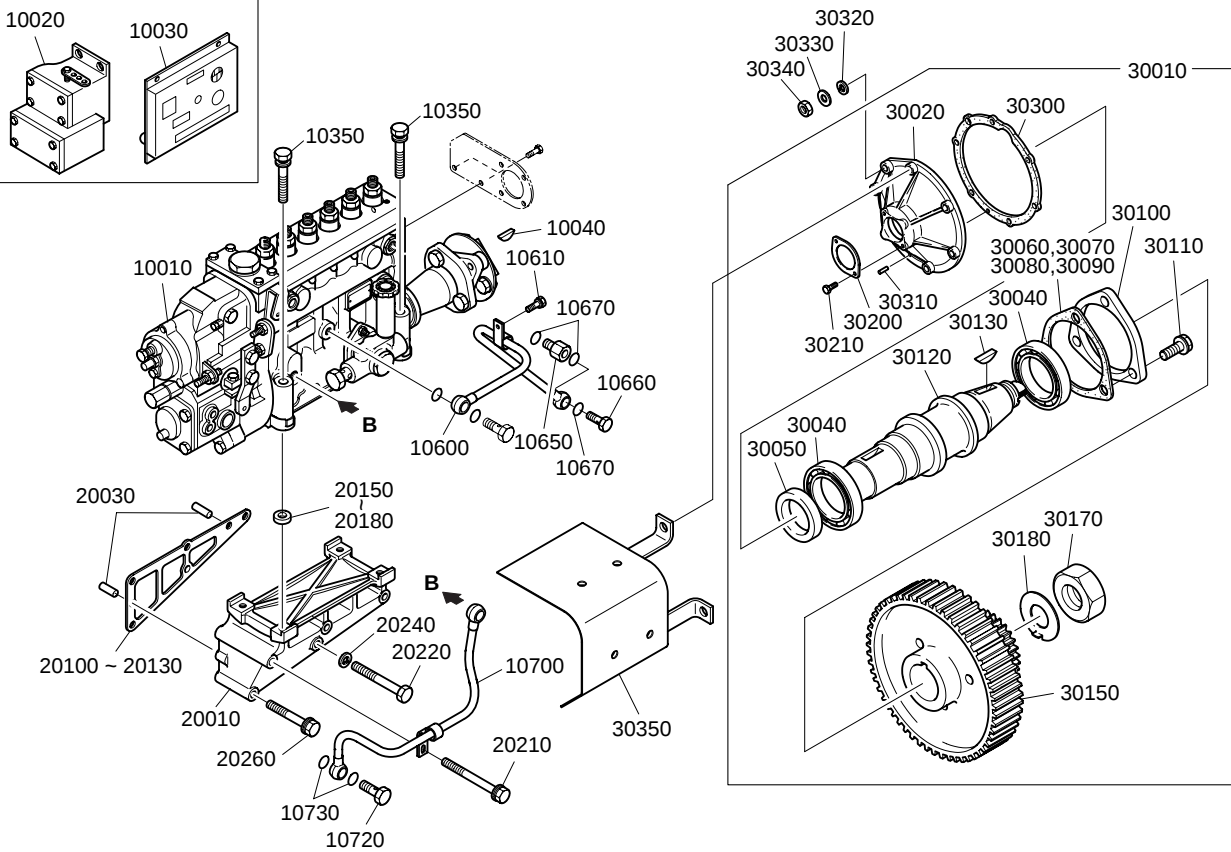
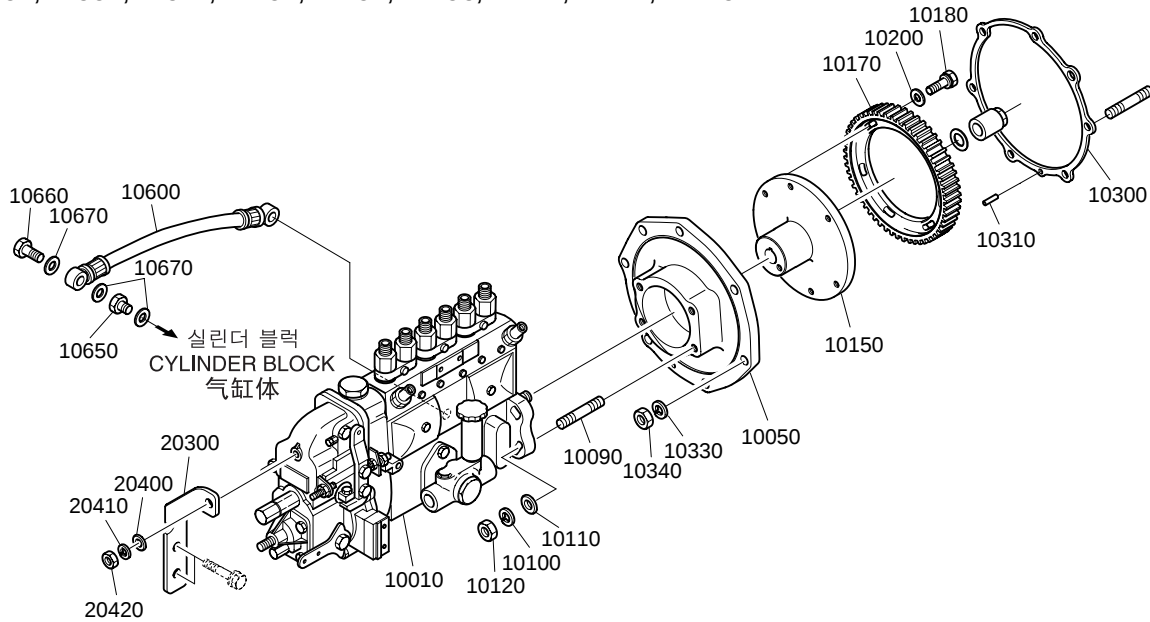


Fig.170
FUEL INJECTION PUMP | 연료 분사 펌프 | 喷油泵

Key No.	Part No.	Description	부 품 명	零 件 名 称	Q'ty							S.C	Remarks
					E A C O A / B	E A C P A	E A D O A / B / C	E A D P A / B	E A D C	E B O A / B / C	E B P A		
10010	65.11101-7269A	INJECTION PUMP ASS'Y	분사 펌프 조립품	喷射泵总成	1	1	-	-	-	-	-		
-	65.11101-7311	INJECTION PUMP ASS'Y	분사 펌프 조립품	喷射泵总成	-	-	-	-	-	-	1		
-	65.11101-7371	INJECTION PUMP ASS'Y	분사 펌프 조립품	喷射泵总成	-	-	1	1	1	-	-		
-	65.11101-8009	INJECTION PUMP ASS'Y	분사 펌프 조립품	喷射泵总成	-	-	-	-	-	1	-		
10020	65.11101-7377	· PUMP ; INJECTION	· 분사 펌프	· 喷射泵	-	-	-	-	-	1	-		
10025	65.11501-7006	· GOVERNOR ASS'Y	· 가버너 조립품	· 调节器总成	-	-	-	-	-	1	-		
10030	65.11220-7006	CONTROLLER ; ACTUATOR	액추에이터 컨트롤러	控制器执行器	-	-	-	-	-	1	-		
10040	06.29141-0215	KEY ; WOODRUFF 6x22	반달 키	半圆键	-	-	-	-	-	1	1		
10050	65.11401-0040	INJECTION PUMP MOUNTING FLANGE ASS'Y	분사 펌프 마운팅 홀랜지 조립품	喷油泵支架法兰总成	1	1	1	1	1	-	-		
10090	65.90201-0059	BOLT ; STUD M10x35	스터드 볼트	双头螺栓	4	4	4	4	4	-	-		
10100	06.16731-2108	WASHER ; SPRING A10	스프링 와셔	弹簧垫圈	4	4	4	4	4	-	-		
10110	06.15010-2312	WASHER ; PLAIN 10.5	평 와셔	平垫圈	4	4	4	4	4	-	-		
10120	06.11063-8215	NUT ; HEX. M10	육각 너트	六角螺母	4	4	4	4	4	-	-		
10150	65.11106-0008	COUPLING ; INJECTION PUMP	분사 펌프 커플링	喷射泵联轴器	1	1	1	1	1	-	-		
10170	65.11301-0063	GEAR ; DRIVE	구동 기어	驱动齿轮	1	1	1	1	1	-	-		
10180	06.01913-3116	BOLT ASS'Y M8x28	볼트 조립품	螺栓总成	6	6	6	6	6	-	-		
10200	65.90710-0015	WASHER ; PLAIN T=2.5	평 와셔	平垫圈	6	6	6	6	6	-	-		
10300	65.11902-0018A	GASKET ; MOUNTING FLANGE	마운팅 홀랜지 가스켓	安装法兰衬垫	1	1	1	1	1	-	-		
10310	06.22220-1110	PIN ; SPRING 6x20	스프링 핀	弹簧销	1	1	1	1	1	-	-		
10330	06.16731-2108	WASHER ; SPRING A10	스프링 와셔	弹簧垫圈	7	7	7	7	7	-	-		
10340	06.11063-8215	NUT ; HEX. M10	육각 너트	六角螺母	7	7	7	7	7	-	-		
10350	06.01923-3228	BOLT ASS'Y M10x85	볼트 조립품	螺栓总成	-	-	-	-	-	4	4		
10600	65.05701-5329	HOSE ; OIL DELIVERY	오일 딜리버리 호스	机油橡胶软管	1	1	1	1	1	-	-		
-	65.05701-5356	PIPE ; OIL DELIVERY	오일 딜리버리 파이프	输油管	-	-	-	-	-	1	1		
10610	06.01913-2910	BOLT ; HEX. M6x12	육각 볼트	六角螺栓	-	-	-	-	-	1	1		
10650	65.98130-0029	SCREW ; SPACER	스페이스 스크류	间隔螺钉	1	1	1	1	1	1	1		
10660	65.98150-0028	SCREW ; HOLLOW	홀로우 스크류	空心螺钉	1	1	1	1	1	1	1		
10670	06.56180-0714	RING ; SEAL A10x15	시일 링	密封环	3	3	3	3	3	3	3		
10700	65.05701-5358	OIL PIPE ASS'Y	오일 파이프 조립품	机油管总成	-	-	-	-	-	1	1		
10720	65.90420-0012A	SCREW ; HOLLOW M16x2	홀로우 스크류	空心螺钉	-	-	-	-	-	1	1		
10730	06.56190-0708	RING ; SEAL A16x22	시일 링	密封环	-	-	-	-	-	2	2		
20010	65.11401-0046A	BACKET ; INJECTION PUMP MOUNTING	분사 펌프 마운팅 브라켓	喷油泵安装支架	-	-	-	-	-	1	1		
20030	06.22022-1112	PIN ; DOWEL 10M6x20	다우얼 핀	定位销	-	-	-	-	-	2	2		
20100	65.11405-0001	SHIM ; INJECTION PUMP BRACKET	분사 펌프 브라켓 씬	喷油泵支架垫片	-	-	-	-	-	1	1		
20110	65.11405-0002	SHIM ; INJECTION PUMP BRACKET 15MM(ALT.V)	분사 펌프 브라켓 씬	喷油泵支架垫片	-	-	-	-	-	1	1		
20120	65.11405-0003	SHIM ; INJECTION PUMP BRACKET 2MM(ALT.V)	분사 펌프 브라켓 씬	喷油泵支架垫片	-	-	-	-	-	1	1		
20130	65.11405-0004	SHIM ; INJECTION PUMP BRACKET 5MM(ALT.V)	분사 펌프 브라켓 씬	喷油泵支架垫片	-	-	-	-	-	1	1		
20150	65.11405-0009	SHIM 0.1MM	씬	垫片	-	-	-	-	-	4	4		
20160	65.11405-0010	SHIM 0.3MM	씬	垫片	-	-	-	-	-	4	4		
20170	65.11405-0013	SHIM ; INJECTION PUMP MOUNTING 0.2MM	분사 펌프 마운팅 씬	喷油泵安装支架垫片	-	-	-	-	-	4	4		
20180	65.11405-0015	SHIM	씬	垫片	-	-	-	-	-	4	4		
20210	06.01913-3234	BOLT ASS'Y M10x130	볼트 조립품	螺栓总成	-	-	-	-	-	3	3		
20220	06.01013-9226	BOLT ; HEX. M10x1.5x110	육각 볼트	六角螺栓	-	-	-	-	-	1	1		

Fig.170
FUEL INJECTION PUMP | 연료 분사 펌프 | 喷油泵

EACOA, EACOB, EACPA, EADOA, EADOB, EADOC, EADPA, EADPB, EADPC



EBPOA, EBPOB, EBPOC, EBPPA

EBPOA, EBPOB, EBPOC

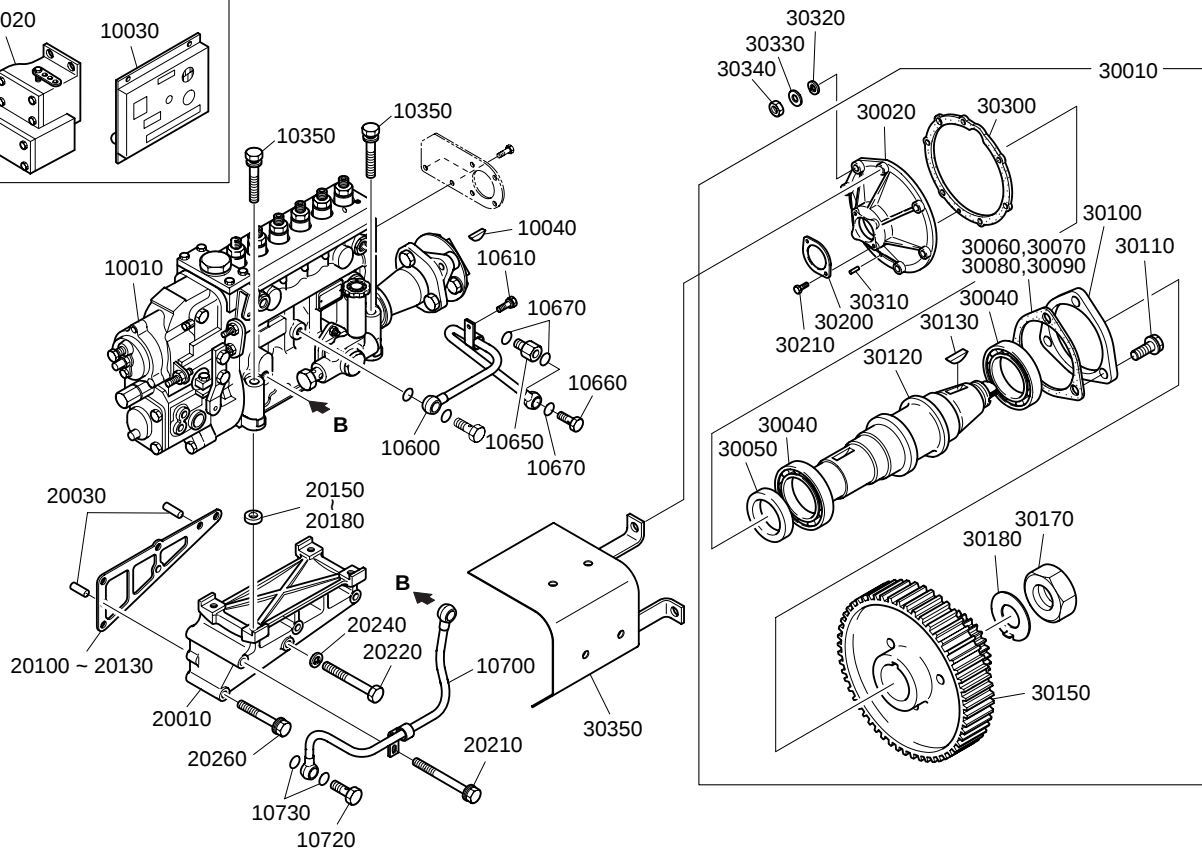
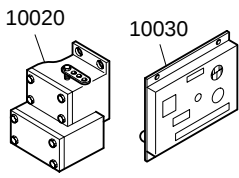


Fig.170
FUEL INJECTION PUMP | 연료 분사 펌프 | 喷油泵

Key No.	Part No.	Description	부 품 명	零 件 名 称	Q'ty							S.C	Remarks
					E A C O A / B	E A C P A	E A D O A / B / C	E A D P A / B	E A D P C	E B O A / B / C	E B P P A		
20240	06.16731-2108	WASHER ; SPRING A10	스프링 와셔	弹簧垫圈	-	-	-	-	-	1	1		
20260	06.01913-3229	BOLT ASS'Y M10x90	볼트 조립품	螺栓总成	-	-	-	-	-	1	1		
20300	65.11401-0034A	BRACKET ; INJECTION PUMP MOUNTING	분사 펌프 마운팅 브라켓	喷油泵安装支架	1	1	1	1	1	-	-		
20400	06.15010-2312	WASHER ; PLAIN 10.5	평 와셔	平垫圈	1	1	1	1	1	-	-		
20410	06.16731-2108	WASHER ; SPRING A10	스프링 와셔	弹簧垫圈	1	1	1	1	1	-	-		
20420	06.11063-9215	NUT ; HEX. M10x1.25	육각 너트	六角螺母	1	1	1	1	1	-	-		
30010	65.11301-7008C	INJECTION PUMP DRIVE ASS'Y	분사 펌프 구동 조립품	喷油泵驱动器总成	-	-	-	-	-	1	1		
30020	65.11309-0005B	· HOUSING ; INJECTION PUMP DRIVE	· 분사 펌프 구동 하우징	· 喷油泵驱动壳	-	-	-	-	-	1	1		
30040	06.32092-0307	· BEARING ; TAPER ROLLER	· 테이퍼 롤러 베어링	· 圆锥滚子轴承	-	-	-	-	-	2	2		
30050	65.01510-0039	· SEAL ; OIL	· 오일 시일	· 机油封	-	-	-	-	-	1	1		
30060	65.11308-0001	· SHIM 0.5MM	· shim	· 垫片	-	-	-	-	-	1	1		
30070	65.11308-0002	· SHIM 0.2MM(ALT V)	· shim	· 垫片	-	-	-	-	-	1	1		
30080	65.11308-0003	· SHIM 0.15MM(ALT V)	· shim	· 垫片	-	-	-	-	-	1	1		
30090	65.11308-0004	· SHIM 0.1MM(ALT V)	· shim	· 垫片	-	-	-	-	-	1	1		
30100	65.11312-0006	· COVER ; INJECTION PUMP DRIVE	· 분사 펌프 드라이브 커버	喷油泵驱动器总成	-	-	-	-	-	1	1		
30110	06.01913-3114	· BOLT ASS'Y M8x22	· 볼트 조립품	· 螺栓总成	-	-	-	-	-	3	3		
30120	65.11302-0010A	· SHAFT ; INJECTION PUMP DRIVE	· 분사 펌프 드라이브 축	· 喷油泵驱动轴	-	-	-	-	-	1	1		
30130	06.29141-0215	· KEY ; WOODRUFF 6x22	· 반달 키	· 半圆键	-	-	-	-	-	1	1		
30150	65.11301-0009	· GEAR ; INJECTION PUMP DRIVE	· 분사 펌프 드라이브 기어	· 喷油泵驱动齿轮	-	-	-	-	-	1	1		
30170	06.11250-4329	· NUT ; HEX. M24x1.5	· 육각 너트	· 六角螺母	-	-	-	-	-	1	1		
30180	06.16050-0316	· WASHER ; LOCK 25	· 록크 와셔	· 锁止垫圈	-	-	-	-	-	1	1		
30200	65.98112-0027	· FLANGE	· 홀랜지	· 法兰	-	-	-	-	-	1	1		
30210	06.01913-2910	· BOLT ; HEX. M6x12	· 육각 볼트	· 六角螺栓	-	-	-	-	-	2	2		
30300	65.11902-0018A	· GASKET ; MOUNTING FLANGE	· 마운팅 홀랜지 가스켓	· 安装法兰衬垫	-	-	-	-	-	1	1		
30310	06.22220-1110	· PIN ; SPRING 6x20	· 스프링 핀	· 弹簧销	-	-	-	-	-	1	1		
30320	06.15010-2312	WASHER ; PLAIN 10.5	평 와셔	平垫圈	-	-	-	-	-	7	7		
30330	06.16731-2108	WASHER ; SPRING A10	스프링 와셔	弹簧垫圈	-	-	-	-	-	7	7		
30340	06.11063-8215	NUT ; HEX. M10	육각 너트	六角螺母	-	-	-	-	-	7	7		
30350	65.11219-6001A	COVER ; INJECTION PUMP DRIVE	분사 펌프 드라이브 커버	喷油泵驱动器总成	-	-	-	-	-	1	1		

Fig.180
CONTROL | 컨트롤 | 控制器

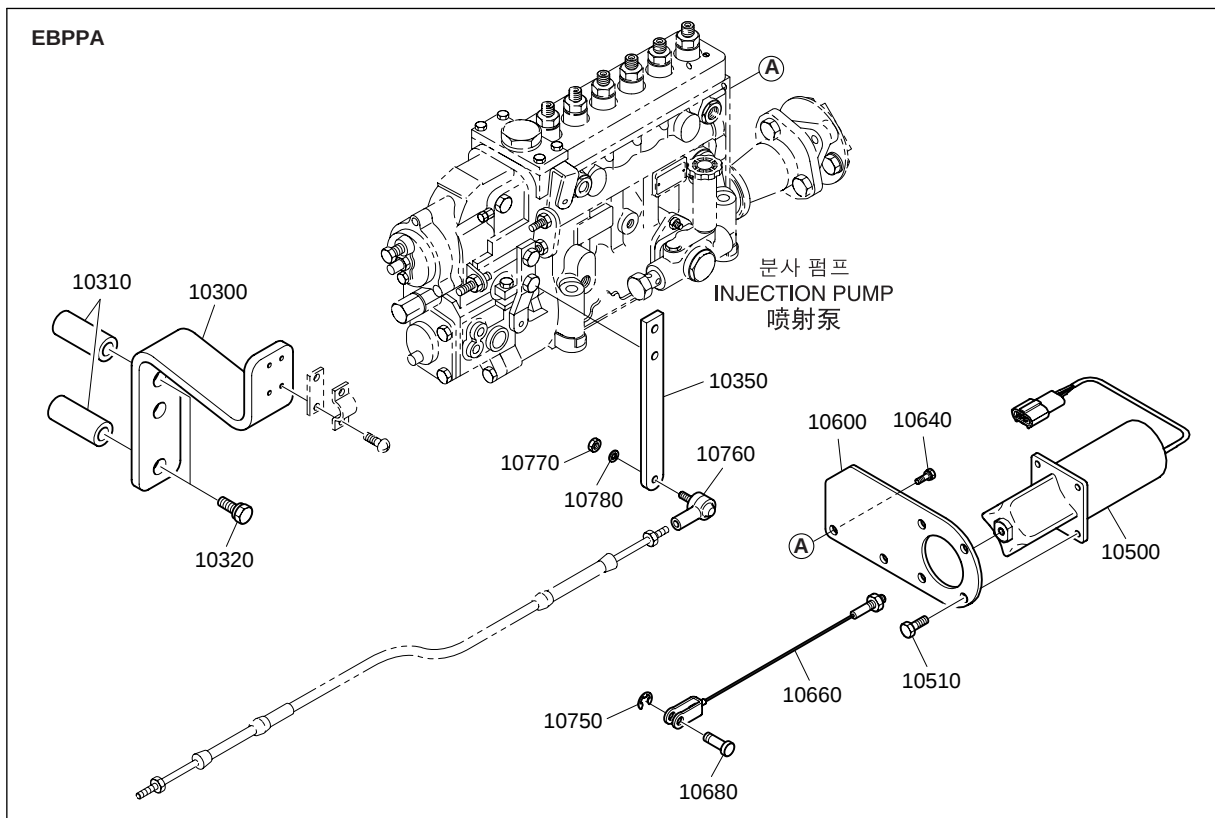
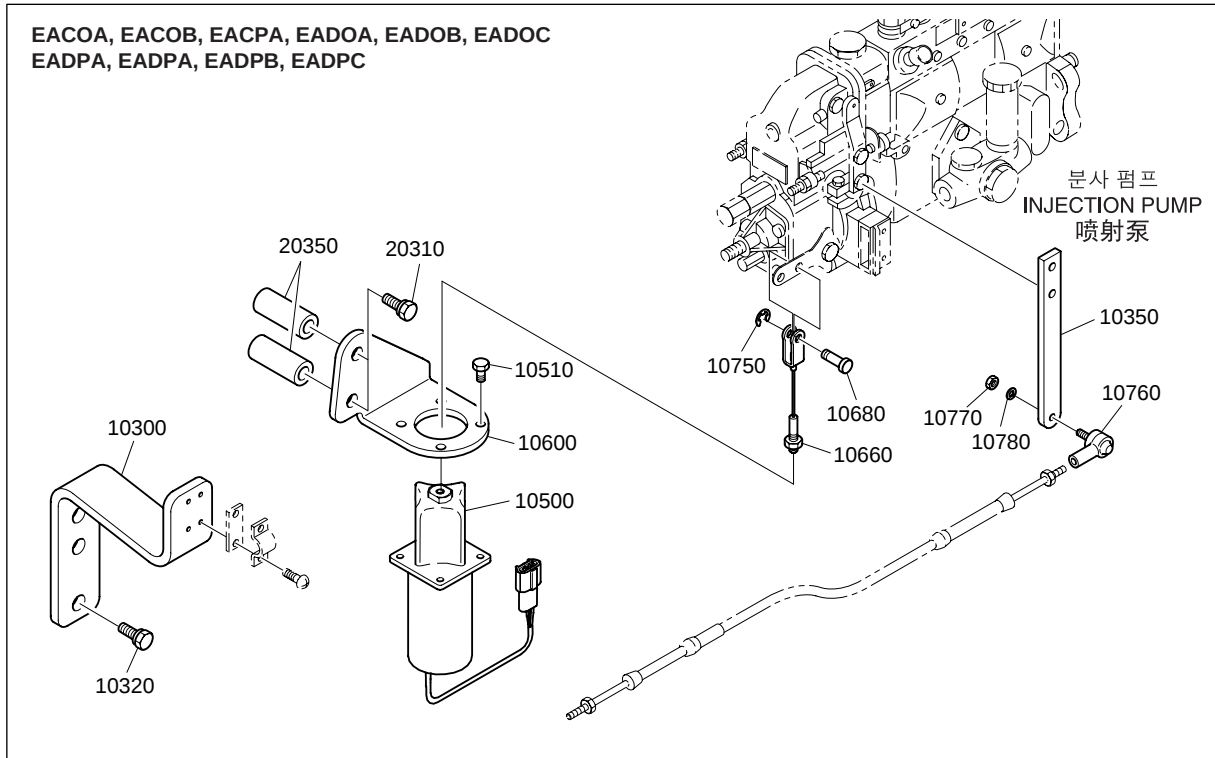


Fig.180
CONTROL | 컨트롤 | 控制器

Key No.	Part No.	Description	부 품 명	零 件 名 称	Q'ty							S.C	Remarks
					E A C O A / B	E A C P A	E A D O A / B / C	E A D P A / B	E A D P C	E B P O A / B / C	E B P P A		
10300	65.32630-0013A	BRACKET	브라켓	支架	-	1	-	1	1	-	1		
10310	65.91701-0198	RING ; SPACER	스페이서 링	垫圈	-	-	-	-	-	-	2		
10320	06.01913-3212	BOLT ASS'Y M10x18	볼트 조립품	螺栓总成	-	2	-	2	2	-	-		
-	06.01953-3320	BOLT ASS'Y M12x1.5x45	볼트 조립품	螺栓总成	-	-	-	-	-	-	2		
10350	65.11165-0015	LEVER ; CONTROL	컨트롤 레버	控制杆	-	1	-	1	1	-	1		
10500	65.25900-6006	SOLENOID	솔레노이드	螺线管	-	1	-	1	1	-	1		
10510	06.01913-2910	BOLT ; HEX. M6x12	육각 볼트	六角螺栓	-	4	-	4	4	-	1		
10600	60.25909-5011	BRACKET ; SOLENOID	솔레노이드 브라켓	螺线管支架	1	1	1	1	1	-	-		
-	65.32630-0010	BRACKET	브라켓	支架	-	-	-	-	-	-	1		
10640	06.01913-2910	BOLT ; HEX. M6x12	육각 볼트	六角螺栓	-	-	-	-	-	-	2		
10660	65.11610-7005	CABLE ; CONTROL	컨트롤 케이블	调节电缆	-	1	-	1	1	-	-		
-	65.11610-7009	CABLE ; CONTROL	컨트롤 케이블	调节电缆	1	-	1	-	-	-	-		
-	65.11610-7011	CABLE ; CONTROL	컨트롤 케이블	调节电缆	-	-	-	-	-	-	1		
10680	60.91010-0011	PIN	핀	销	1	1	1	1	1	-	1		
10750	06.29030-2108	RING	링	环	1	1	1	1	1	-	1		
10760	60.11613-6001	JOINT ; ANGLE	엘글 조인트	角钢接头	-	1	-	1	1	-	1		
10770	06.11060-8211	NUT ; HEX. M5x0.8	육각 너트	六角螺母	-	1	-	1	1	-	1		
10780	06.16731-2104	WASHER ; SPRING 5	스프링 와셔	弹簧垫圈	-	1	-	1	1	-	1		
20310	06.01923-3228	BOLT ASS'Y M10x85	볼트 조립품	螺栓总成	2	2	2	2	2	-	-		
20350	65.91701-0188	SPACER	스페이서	衬套	2	2	2	2	2	-	-		

Fig.190
FUEL FILTER | 연료 여과기 | 燃油濾清器

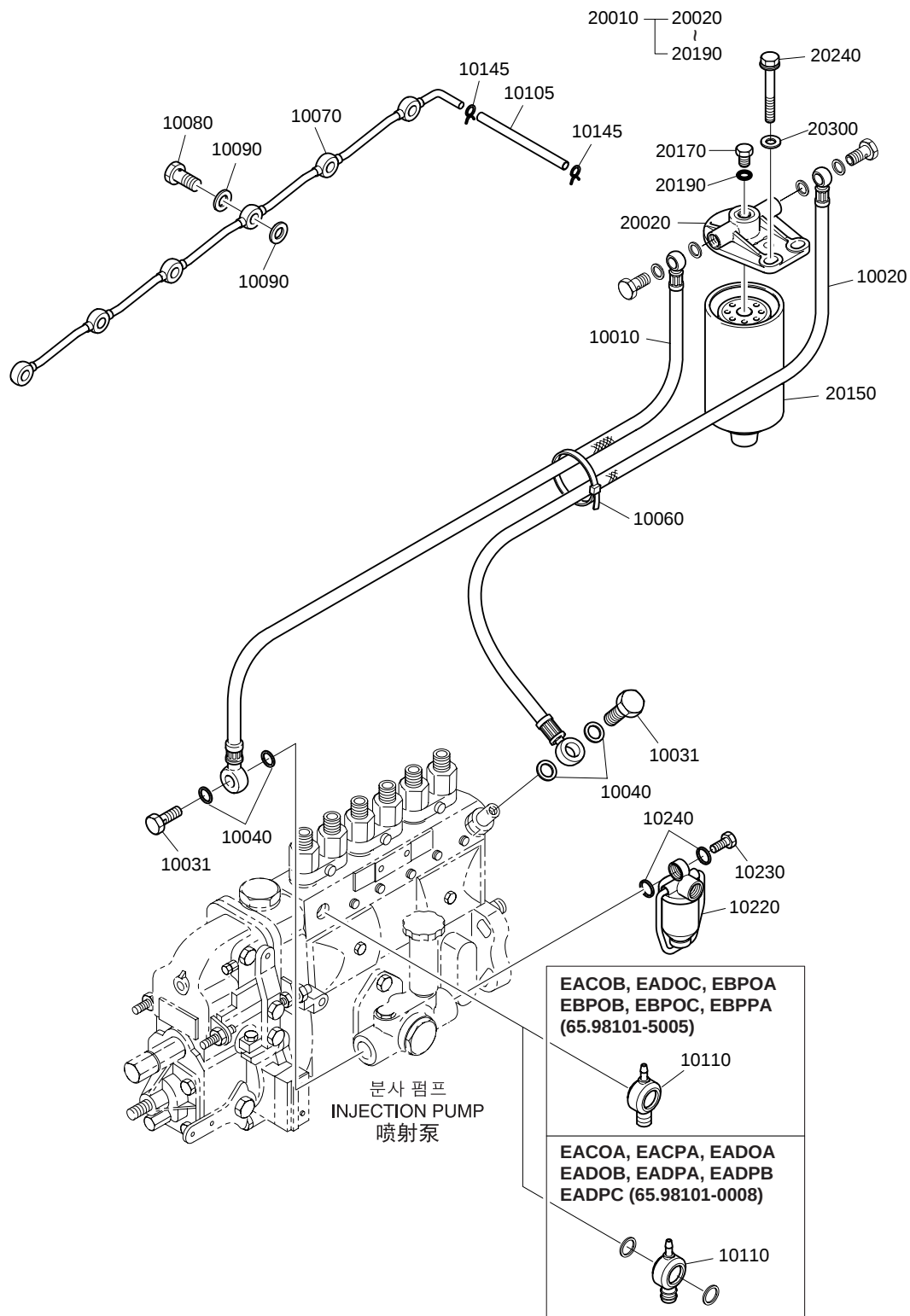


Fig.190

FUEL FILTER | 연료 여과기 | 燃油滤清器

Key No.	Part No.	Description	부 품 명	零 件 名 称	Q'ty							S.C	Remarks
					E A C O A / B	E A C P A	E A D O A / B / C	E A D P A / B	E A D P C	E B P O A / B / C	E B P P A		
10010	60.96340-5012	HOSE ; FUEL	연료 호스	燃油软管	1	1	1	1	1	-	-		
-	60.96340-5015	HOSE ; FUEL L=550	연료 호스	燃油软管	-	-	-	-	-	1	1		
10020	60.96340-5023	HOSE ; FUEL L=550	연료 호스	燃油软管	-	-	-	-	-	1	1		
-	60.96340-5025A	HOSE ; FUEL L=430	연료 호스	燃油软管	1	1	1	1	1	-	-		
10031	06.78144-2204	SCREW ; HOLLOW NW10	홀로우 스크류	空心螺钉	2	2	2	2	2	2	2		
10040	06.56190-0706	RING ; SEAL A14x20	시일 링	密封环	4	4	4	4	4	4	4		
10060	65.97460-0001	BAND ; TENSION	인장 밴드	张紧带	-	-	-	-	-	1	1		
10070	65.12301-5811A	FUEL PIPE ASS'Y(OVERB LOW)	연료 파이프 조립품	输油管总成 (溢流)	1	1	1	1	1	1	1		
10080	65.98150-0042A	SCREW ; HOLLOW M8x1	홀로우 스크류	空心螺钉	6	6	6	6	6	6	6		
10090	06.56180-0712	RING ; SEAL A8x14	시일 링	密封环	12	12	12	12	12	12	12		
10105	65.96330-0129	HOSE ; FUEL	연료 호스	燃油软管	1	1	1	1	1	1	1		
10110	65.98101-0008	UNION ; DOUBLE BANJO	더블 벤조 유니언	双向鼓形管接头	1	1	1	1	1	-	-		
-	65.98101-5005	DOUBLE BANJO UNION ASS'Y	더블 벤조 유니언 조립품	双向鼓形管接头总成	1	-	1	-	-	1	1		
10145	65.97445-0001	CLAMP ; SPRING	스프링 클램프	弹簧夹	2	2	2	2	2	2	2		
10220	65.12501-7019	FUEL STRAINER ASS'Y	연료 스트레이너	油水分离器总成	1	1	1	1	1	-	-		
10230	06.78140-2406	SCREW ; HOLLOW	홀로우 스크류	空心螺钉	1	1	1	1	1	-	-		
10240	06.56190-0706	RING ; SEAL A14x20	시일 링	密封环	2	2	2	2	2	-	-		
20010	65.12501-7023	FUEL FILTER ASS'Y	연료 필터 조립품	燃油滤清器总成	1	1	1	1	1	1	1		
20020	65.12504-5013A	· HEAD ; FUEL FILTER	· 연료 필터 헤드	· 燃油滤清器盖	1	1	1	1	1	1	1		
20150	65.12503-5016	· ELEMENT ; FUEL FILTER	· 연료 필터 엘레먼트	· 燃油滤清器芯	1	1	1	1	1	1	1		
20170	65.90310-0143	· SCREW ; PLUG M10x1.5	· 플러그 스크류	· 螺塞	1	1	1	1	1	1	1		
20190	06.56180-0716	· RING ; SEAL A10x16	· 시일 링	· 密封环	1	1	1	1	1	1	1		
20240	06.01913-3218	HEX. BOLT ASS'Y M10x35	육각 볼트 조립품	六角螺栓总成	2	2	2	2	2	-	-		
-	06.01953-3318	BOLT ASS'Y M12x1.5x35	볼트 조립품	螺栓总成	-	-	-	-	-	2	2		
20300	65.90710-0016	WASHER	와 셔	垫圈	2	2	2	2	2	-	-		

Fig.200
 ALTERNATOR & STARTER | 발전기 및 시동 전동기 | 发电机与启动器

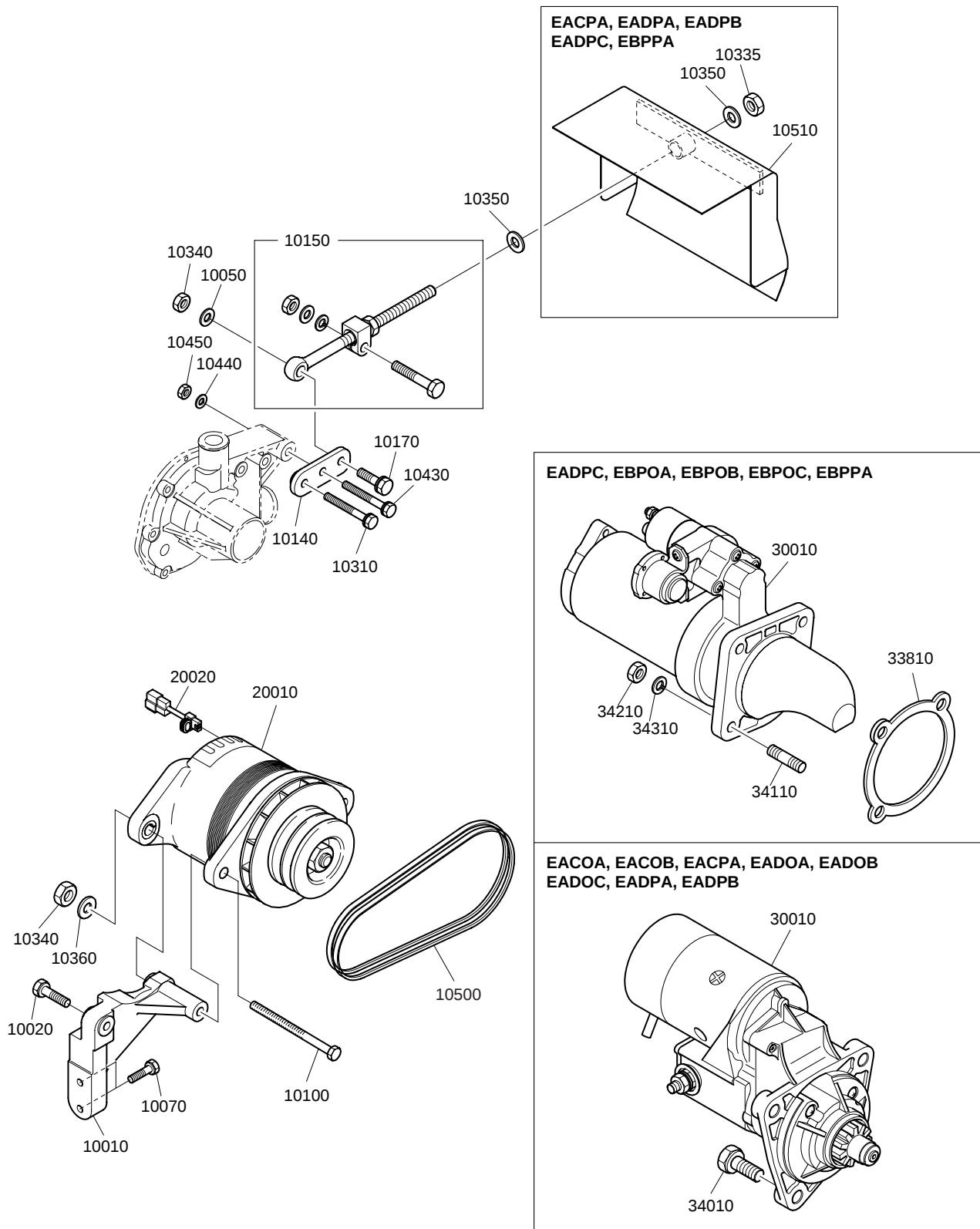


Fig.200

ALTERNATOR & STARTER | 발전기 및 시동 전동기 | 发电机与启动器

Key No.	Part No.	Description	부 품 명	零 件 名 称	Q'ty							S.C	Remarks
					E A C O A / B	E A C P A	E A D O A / B / C	E A D P A / B	E A D P C	E B O A / B / C	E B P P A		
10010	65.19102-0084A	BRACKET ; ALTERNATOR MOUNTING	발전기 마운팅 브라켓	发电机壳体支架	1	1	1	1	1	1	1		
10020	06.01914-3320	BOLT ASS'Y M12x45	볼트 조립품	螺栓总成	1	1	1	1	1	1	1		
10050	06.15010-4313	WASHER ; PLAIN 12	평 와셔	平垫圈	1	1	1	1	1	1	1		
10070	06.01914-3219	BOLT ASS'Y M10x40	볼트 조립품	螺栓总成	2	2	2	2	2	2	2		
10100	65.90001-0002A	BOLT ; HEX. M12x1.5x150	육각 볼트	六角螺栓	1	1	1	1	1	1	1		
10140	65.19103-5045	SUPPORT ; ALTERNATOR	발전기 서포트	发电机支撑	1	1	1	1	1	1	1		
10150	65.19103-6009B	EYE BOLT ASS'Y	아이 볼트 조립품	吊环螺栓总成	1	-	1	-	-	1	-		
-	65.19103-6011A	EYE BOLT ASS'Y	아이 볼트 조립품	吊环螺栓总成	-	1	-	1	1	-	1		
10170	06.01914-3320	BOLT ASS'Y M12x45	볼트 조립품	螺栓总成	1	1	1	1	1	1	1		
10310	06.01913-3228	BOLT ASS'Y M10x85	볼트 조립품	螺栓总成	1	1	1	1	1	1	1		
10335	06.11063-9216	NUT ; HEX. M12x1.5	육각 너트	六角螺母	-	1	-	1	1	-	1		
10340	06.11063-8216	NUT ; HEX. M12	육각 너트	六角螺母	2	2	2	2	2	2	2		
10350	06.15010-2312	WASHER ; PLAIN 10.5	평 와셔	平垫圈	1	-	1	-	-	1	-		
-	06.15010-2313	WASHER ; PLAIN 12	평 와셔	平垫圈	-	1	-	1	1	-	1		
10360	06.16731-2109	WASHER ; SPRING A12	스프링 와셔	弹簧垫圈	1	1	1	1	1	1	1		
10430	06.01913-3228	BOLT ASS'Y M10x85	볼트 조립품	螺栓总成	1	1	1	1	1	1	1		
10440	06.15010-2312	WASHER ; PLAIN 10.5	평 와셔	平垫圈	1	1	1	1	1	1	1		
10450	06.11063-8215	NUT ; HEX. M10	육각 너트	六角螺母	1	1	1	1	1	1	1		
10500	65.96801-0084	V-BELT 2x13x1500	V-벨트	V型皮带	1	1	1	1	1	-	1		
-	65.96801-0092	V-BELT 2x13x1475	V-벨트	V型皮带	-	-	-	-	-	1	-		
10510	65.26102-5007A	HOUSING ; ALTERNATOR	발전기 하우징	发电机壳体	-	1	-	1	1	-	1		
20010	65.26101-7153A	ALTERNATOR	발전기	发电机	1	1	1	1	1	1	1		
20020	65.29101-6050A	· WIRE ; ELECTRIC	· 전기 와이어	· 电线	1	1	1	1	1	1	1		
30010	65.26201-7049A	STARTER	시동 전동기	启动器	-	-	-	-	1	1	1		
-	65.26201-7063	STARTER ASS'Y	시동 전동기 조립품	起动机总成	1	1	1	1	-	-	-		
33810	65.19120-0012	FRANGE ; INTERMEDIATE	중간 플랜지	中间法兰	-	-	-	-	1	1	1		
34010	06.01953-3320	BOLT ASS'Y M12x1.5x45	볼트 조립품	螺栓总成	3	3	3	3	-	-	-		
34110	06.06225-0810	BOLT ; STUD M10x40	스터드 볼트	双头螺栓	-	-	-	-	3	3	3		
34210	06.11063-8215	NUT ; HEX. M10	육각 너트	六角螺母	-	-	-	-	3	3	3		
34310	06.16731-2108	WASHER ; SPRING A10	스프링 와셔	弹簧垫圈	-	-	-	-	3	3	3		

Fig.210
 LIFTING HOOK & | 리프팅 훅 및 | 提升钩与壳体左支架
 BRACKET MOUNTING 브라켓 마운팅

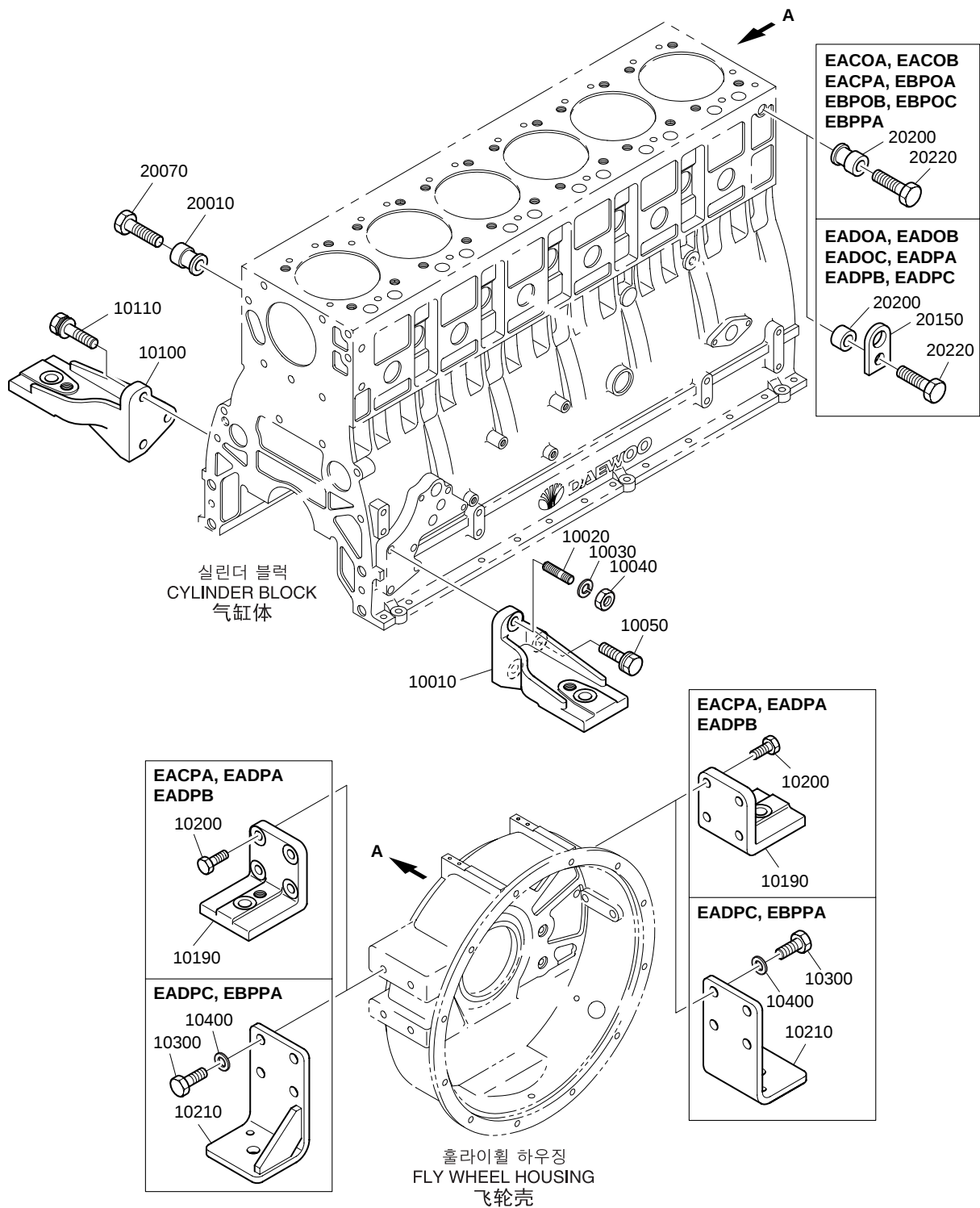


Fig.210
LIFTING HOOK & | 리프팅 훅 및 | 提升钩与壳体左支架
BRACKET MOUNTING 브라켓 마운팅

Key No.	Part No.	Description	부 품 명	零 件 名 称	Q'ty							S.C	Remarks
					E A C O A / B	E A C P A	E A D O A / B / C	E A D P A / B	E A D P C	E B P O A / B / C	E B P P A		
10010	65.41530-0141	BRACKET ; ENGINE MOUNTING(L.H.)	엔진 마운팅 브라켓(좌측)	发动机前悬架(在)	1	1	1	1	1	1	1		
10020	06.06175-8309	BOLT ; STUD	스터드 볼트	双头螺栓	-	-	-	-	-	1	1		
-	65.90201-0006	BOLT ; STUD M12x1.5x35	스터드 볼트	双头螺栓	1	1	1	1	1	-	-		
10030	06.16731-2109	WASHER ; SPRING A12	스프링 와셔	弹簧垫圈	1	1	1	1	1	1	1		
10040	06.11064-9216	NUT ; HEX. M10	육각 너트	六角螺母	1	1	1	1	1	1	1		
10050	06.01943-3317	BOLT ASS'Y M12x1.5x30	볼트 조립품	螺栓总成	-	-	-	-	-	2	2		
-	65.90001-0088	BOLT ; HEX.	육각 볼트	六角螺栓	2	2	2	2	2	-	-		
10100	65.41530-0140	BRACKET ; ENGINE MOUNTING(R.H.)	엔진 마운팅 브라켓(우측)	发动机前悬架(右)	1	1	1	1	1	1	1		
10110	06.01943-3317	BOLT ASS'Y M12x1.5x30	볼트 조립품	螺栓总成	-	-	-	-	-	3	3		
-	65.90001-0088	BOLT ; HEX.	육각 볼트	六角螺栓	3	3	3	3	3	-	-		
10190	65.41530-0142	BRACKET ; ENGINE MOUNTING(REAR)	엔진 마운팅 브라켓(뒤)	发动机安装支架(后)	-	2	-	2	-	-	-		
10200	06.01943-3318	BOLT ASS'Y M12x1.5x35	볼트 조립품	螺栓总成	-	8	-	8	-	-	-		
10210	65.41530-5097	BRACKET ; FRONT MOUNTING	후론트 마운팅 브라켓	前安装支架	-	-	-	-	2	-	2		
10300	06.01494-4406	BOLT ; HEX. M14x1.5x35	육각 볼트	六角螺栓	-	-	-	-	8	-	8		
10400	06.16731-2110	WASHER ; SPRING A14	스프링 와셔	弹簧垫圈	-	-	-	-	8	-	8		
20010	65.91701-0148	SPACER	스페이서	衬套	1	1	1	1	1	1	1		
20070	06.01013-9517	BOLT ; HEX. M16x60	육각 볼트	六角螺栓	1	1	-	-	-	-	-		
-	06.01283-7524	BOLT ; HEX. M16x2x65	육각 볼트	六角螺栓	-	-	1	1	1	1	1		
20150	65.19202-0100	HANGER ; BRACKET	브라켓 행거	悬架	-	-	1	1	1	-	-		
20200	65.91701-0148	SPACER	스페이서	衬套	1	1	-	-	-	1	1		
-	65.91701-0273	RING ; SPACER	스페이서 링	垫圈	-	-	1	1	1	-	-		
20220	06.01013-9517	BOLT ; HEX. M16x60	육각 볼트	六角螺栓	1	1	1	1	1	-	-		
-	06.01283-7524	BOLT ; HEX. M16x2x65	육각 볼트	六角螺栓	-	-	-	-	-	1	1		

Fig.220
ELECTRIC SYSTEM | 전기 계통 | 电气系统

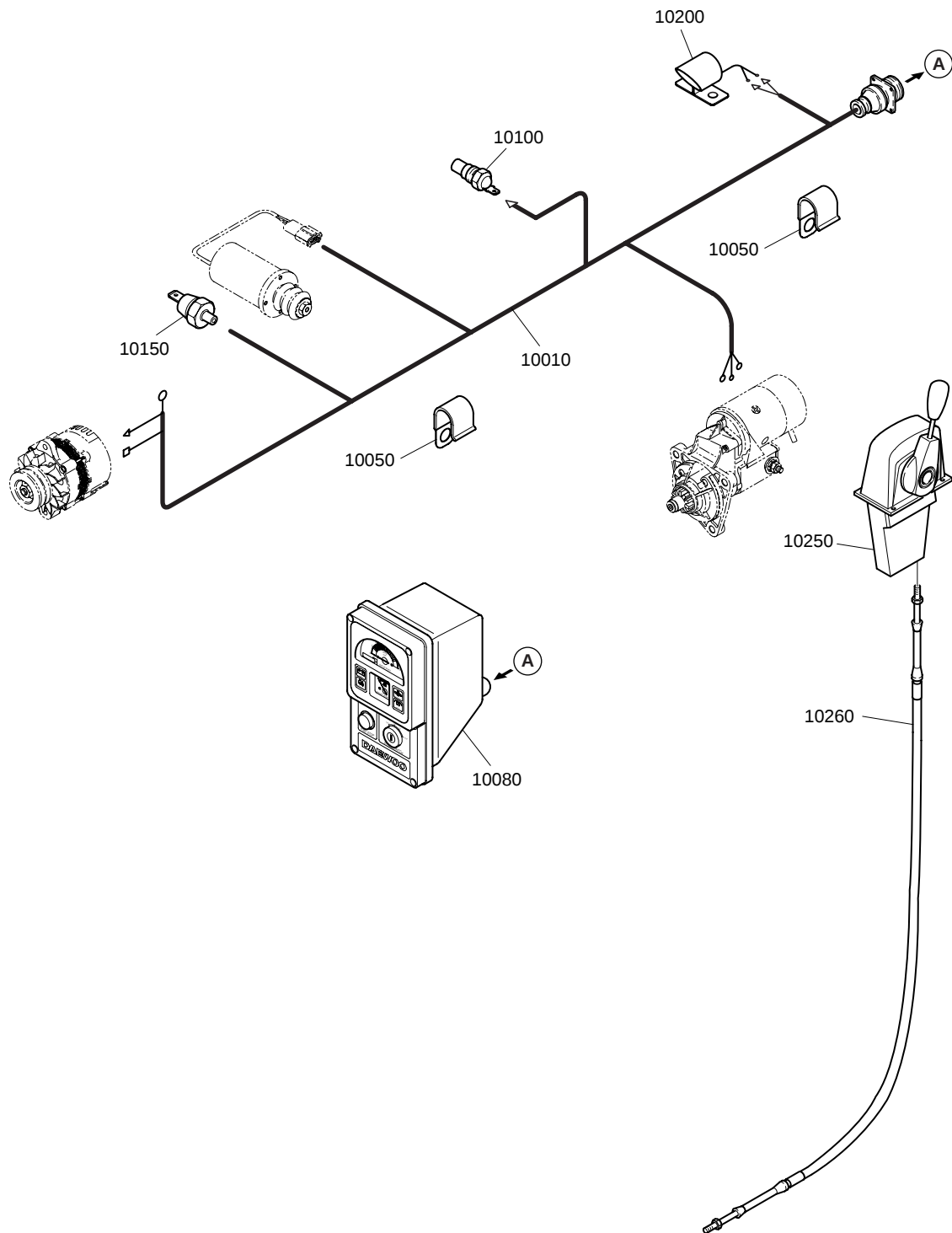


Fig.220
ELECTRIC SYSTEM | 전기 계통 | 电气系统

Key No.	Part No.	Description	부 품 명	零 件 名 称	Q'ty							S.C	Remarks
					E A C O A / B	E A C P A	E A D O A / B / C	E A D P A / B	E A D P C	E B P O A / B / C	E B P P A		
10010	65.29101-6058	WIRE ; ELECTRIC	전기 와이어	电线	-	1	-	1	1	-	1		
10050	65.97401-5021	CLIP ; PIPE	파이프 클립	管夹	-	4	-	4	4	-	4		
10080	65.61700-6009C	GAUGE PANEL ASS'Y	게이지 판넬 조립품	仪表盘总成	-	1	-	1	1	-	1		
10100	65.27441-7006	SWITCH ; OIL PRESSURE	오일 압력 스위치	机油压力开关	-	1	-	1	1	-	1		
10150	66.27435-6008	SWITCH ; THERMOSTAT	냉각수 온도 스위치	温度调节器开关	-	1	-	1	1	-	1		
10200	60.25301-6003	BUZZER	부 저	蜂鸣器	-	1	-	1	1	-	1		
10250	65.32601-6003	BOX ; REMOTE CONTROL	리모트 컨트롤 박스	遥控操作箱	-	1	-	1	1	-	1		
10260	60.32610-6113	CABLE ; CONTROL 2.5M	컨트롤 케이블	调节电缆	-	1	-	1	1	-	1		

● Parts & After Service Center

부품 및 서비스센터

零件与售后服务网站

■ Parts Service Center

85-1 Palgok Ei-dong, Sangnok-gu Ansan-shi Kyunggi-do, Korea

Tel. : 82-31-400-2206

Fax. : 82-31-400-2255

■ 부품서비스 센터

경기도 안산시 상록구 팔곡이동 85-1

전화 : 82-31-400-2206

팩스 : 82-31-400-2255

■ 零件服务中心

地址 : 京畿道 安山市 常綠區 八谷二洞 85-1

电话 : 82-31-400-2206

传真 : 82-31-400-2255

<http://www.dhilttd.co.kr> , <http://cs.dhilttd.co.kr>

■ After Service Center

7-11, Hwasu-dong, Dong-gu Incheon, Korea

Tel. : 82-32-760-1526

Fax. : 82-32-762-1522

■ 애프터 서비스 센터

인천 광역시 동구 화수동 7-11

전화 : 82-32-760-1526

팩스 : 82-32-762-1522

■ 售后服务中心

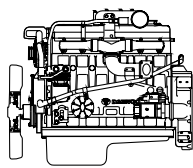
地址 : 仁川廣域市 東區 花水洞 7-11

电话 : 82-32-760-1526

传真 : 82-32-762-1522

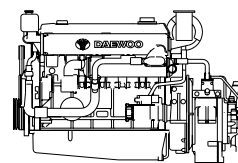
<http://www.dhilttd.co.kr> , <http://www.enginepark.com>

Applications for Daewoo Engines



Automotive & Industrial

Model		Power kW(PS)/rpm	Model		Power kW(PS)/rpm
For Vehicle	D1146	133(181)/2,500	DE12TI	250(340)/2,100	
	D1146TI	158(215)/2,200	DE12TIS	250(340)/2,100	
	DE08TIS	176(240)/2,300	GE12TI	250(340)/2,100	
	GE08TI	191(260)/2,300	DV15T	272(370)/2,300	
	DE12	169(230)/2,200	DV15TI	309(420)/2,100	
	DE12T	220(300)/2,200	DV15TIS	309(420)/2,100	
For Industrial	DC23	37(50)/3,000	DB58TIS	127(173)/2,000	
	DC24	41(56)/3,000	D1146	115(156)/2,200	
	DC24T	41(55)/2,600	D1146T	140(190)/2,200	
	DB33	53(72)/3,000	D1146TI	162(220)/2,200	
	DB33A	46(63)/2,300	DE08TIS	151(205)/1,900	
	DB58	96(130)/2,800	DE12T	188(255)/2,000	
	DB58S	75(102)/2,200	DE12TI	213(290)/2,000	
	DB58T	104(142)/2,500	DE12TIS	238(323)/2,000	
	DB58TI	112(152)/2,200	DV15T	238(324)/2,300	



Marine Propulsion

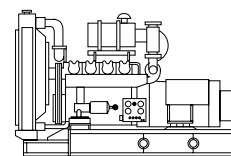
Model	Power kW(PS)/rpm	Model	Power kW(PS)/rpm
L034	51(70)/3,000	L126TIH	265(360)/2,000
L034TIH	88(120)/3,000	L126TIM	294(400)/2,100
L034TIM	107(145)/3,300	V158TIH	353(480)/1,800
L136	118(160)/2,200	V158TIM	397(540)/2,100
L136T	147(200)/2,200	V158TIL	500(680)/2,300
L136TL	177(240)/2,500	V180TIH	441(600)/1,800
L136TI	169(230)/2,200	V180TIM	478(650)/2,100
L086TIH	210(285)/2,100	V180TIL	820(603)/2,300
L086TIM	232(315)/2,300	V222TIH	530(720)/1,800
MD196T	206(280)/2,000	V222TIM	588(800)/2,100
MD196TI	235(320)/2,000	V222TIL	736(1,000)/2,300

Generator Set Engines (G-Drive & G-Pac)

Model	Power (Output ISO 3046)				Model	Power (Output ISO 3046)			
	@1,800rpm		@1,500rpm			@1,800rpm		@1,500rpm	
	Power (Stand-by)	Power (Prime)	Power (Stand-by)	Power (Prime)		Power (Stand-by)	Power (Prime)	Power (Stand-by)	Power (Prime)
	kW(PS)	kW(PS)	kW(PS)	kW(PS)		kW(PS)	kW(PS)	kW(PS)	kW(PS)
DC23-2	13(17)	11(15)	15(11)	14(10)	P126TI-1	288(392)	262(356)	-	-
DC23-1	18(25)	17(23)	16(22)	15(20)	P126TI	298(405)	278(378)	272(370)	241(328)
DC23	24(33)	22(30)	19(26)	18(24)	P126TI-Ⅱ	342(465)	-	-	-
DC24	25(34)	23(31)	21(28)	18(25)	P158LE-2	361(491)	329(447)	321(437)	293(399)
DC24T	32(43)	29(39)	26(36)	24(32)	P158LE-1	402(546)	366(498)	362(492)	327(444)
DB33	35(47)	32(43)	29(39)	26(35)	P158LE	443(602)	402(547)	414(563)	363(494)
P034TI	60(82)	55(75)	48(65)	42(57)	P180LE-1	498(677)	454(617)	442(601)	403(548)
DB58	70(95)	64(87)	59(80)	54(73)	P180LE	540(734)	497(676)	496(674)	443(602)
D1146	105(143)	96(130)	85(116)	77(105)	P222LE-1	625(850)	563(765)	552(750)	496(675)
D1146T	138(187)	125(170)	118(160)	107(145)	P222LE	649(883)	591(803)	574(781)	532(723)
P086TI-1	191(303)	174(279)	164(270)	149(420)	GV158TIC	-	199(270)	-	169(230)
DE12T	199(270)	180(245)	166(226)	151(205)	GV180TIC	-	250(340)	-	213(289)
P086TI	223(260)	205(237)	199(223)	177(203)	GV222TIC	-	302(410)	-	257(350)

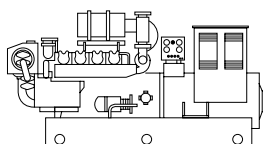
Marine Auxiliary

Model	Power (Output ISO 3046)	Model	Power (Output ISO 3046)	Model	Power (Output ISO 3046)	Model	Power (Output ISO 3046)
	kW(PS) @ 1,500rpm		kW(PS) @ 1,500rpm		kW(PS) @ 1,800rpm		kW(PS) @ 1,800rpm
AD034F	26(35)	AD034TIF	42(57)	AD034S	32(43)	AD034TIS	55(75)
AD136F	77(105)	AD136TF	107(145)	AD136S	93(126)	AD136TS	125(170)
AD136TIF	121(165)	AD086TIF	151(205)	AD136TIS	143(195)	AD086TIS	186(253)
AD196TF	155(210)	AD196TIF	173(235)	AD196TS	181(246)	AD196TIS	199(270)
AD126TIF	206(280)	AD158TIF	302(410)	AD126TIS	247(336)	AD158TIS	353(480)
AD180TIF	357(485)	AD222TIF	446(606)	AD180TIS	441(600)	AD222TIS	530(720)



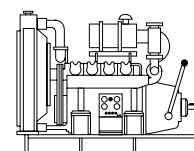
Generator

Generator Set Model			Engine Model	Power (kW/kVA)			
Power (Stand-by)	Power (Prime)	Suffix		1800rpm(60Hz)		1500rpm(50Hz)	
				Power (Stand-by)	Power (Prime)	Power (Stand-by)	Power (Prime)
				kW/kVA	kW/kVA	kW/kVA	kW/kVA
DW10E	DW10	PIG	DC23-2	10/13	9/11	9/11	8/10
DW15E	DW15	PIH	DC23-1	15/19	14/17	13/17	12/15
DW20E	DW20	PIF	DC23	20/25	18/23	16/20	14/18
		PJF	DC24	20/25	18/23	16/20	14/18
DW26E	DW26	PII	DC24T	26/33	24/30	22/27	20/24
		PJM	DB33	26/33	24/30	22/27	20/25
DW50E	DW50	PIA	P034TI	50/63	45/56	40/50	36/45
DW60E	DW60	PJB	DB58	60/75	55/69	48/60	44/55
DW85E	DW85	PJJ	D1146	85/106	77/96	70/88	64/80
DW115E	DW115	PJK	D1146T	115/144	105/131	101/126	92/115
DW170E	DW170	PIE	P086TI-1	170/212	155/194	145/181	132/165
		PJE	DE12T	170/213	155/194	145/181	132/165
DW200E	DW200	PIL	P086TI	200/250	182/228	176/220	160/200
DW260E	DW260	PIW	P126TI-1	260/325	235/294	-	-
DW275E	DW275	PIQ	P126TI	275/344	250/313	242/303	220/275
DW320E	DW320	PIZ	P158LE-2	320/400	290/362	282/353	256/320
DW360E	DW360	PIS	P158LE-1	360/450	327/409	320/400	288/360
DW400E	DW400	PIY	P158LE	400/500	364/455	370/463	320/400
DW450E	DW450	PIO	P180LE-1	450/563	409/511	396/495	360/450
DW500E	DW500	PIM	P180LE	500/625	445/556	440/550	400/500
DW600E	DW600	PIN	P222LE	600/750	541/676	528/660	480/600



Marine Generator

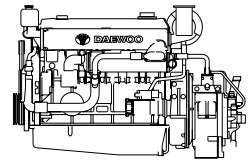
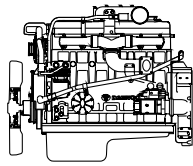
Generator Set	Engine Model	Power (kW/kVA)	
		1800rpm(60Hz)	1500rpm(50Hz)
		Power (Prime)	Power (Prime)
		kW/kVA	kW/kVA
PNM	DB33	24/30	20/25
PNB	AD034TI	50/63	36/45
PNJ	AD136	80/100	68/85
PNK	AD136T	104/130	96/120
PND	AD136TI	132/165	108/135
PNE	AD086TI	172/215	136/170
PNL	AD196TI	176/220	160/200
PNI	AD126TI	224/280	192/240
PNZ	AD158TI	328/410	276/345
PNS	AD180TI	400/500	332/415
PNY	AD222TI	500/625	408/510



Power

Model	Power kW(PS)/rpm
PU024	32(44)/2,800
PU024T	40(55)/2,600
PU034	50(68)/3,000
PU066	85(116)/2,800
PU086	116(160)/2,200
PU086T	151(205)/2,200
PU086TI	213(290)/2,200

/



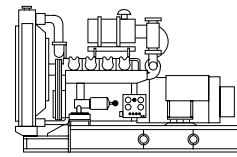
		kW(PS)/rpm		kW(PS)/rpm
	D1146	133(181)/2,500	DE12TI	250(340)/2,100
	D1146TI	158(215)/2,200	DE12TIS	250(340)/2,100
	DE08TIS	176(240)/2,300	GE12TI	250(340)/2,100
	GE08TI	191(260)/2,300	DV15T	272(370)/2,300
	DE12	169(230)/2,200	DV15TI	309(420)/2,100
	DE12T	220(300)/2,200	DV15TIS	309(420)/2,100
	DC23	37(50)/3,000	DB58TIS	127(173)/2,000
	DC24	41(56)/3,000	D1146	115(156)/2,200
	DC24T	41(55)/2,600	D1146T	140(190)/2,200
	DB33	53(72)/3,000	D1146TI	162(220)/2,200
	DB33A	46(63)/2,300	DE08TIS	151(205)/1,900
	DB58	96(130)/2,800	DE12T	188(255)/2,000
	DB58S	75(102)/2,200	DE12TI	213(290)/2,000
	DB58T	104(142)/2,500	DE12TIS	238(323)/2,000
	DB58TI	112(152)/2,200	DV15T	238(324)/2,300

	kW(PS)/rpm		kW(PS)/rpm
L034	51(70)/3,000	L126TIH	265(360)/2,000
L034TIH	88(120)/3,000	L126TIM	294(400)/2,100
L034TIM	107(145)/3,300	V158TIH	353(480)/1,800
L136	118(160)/2,200	V158TIM	397(540)/2,100
L136T	147(200)/2,200	V158TIL	500(680)/2,300
L136TL	177(240)/2,500	V180TIH	441(600)/1,800
L136TI	169(230)/2,200	V180TIM	478(650)/2,100
L086TIH	210(285)/2,100	V180TIL	820(603)/2,300
L086TIM	232(315)/2,300	V222TIH	530(720)/1,800
MD196T	206(280)/2,000	V222TIM	588(800)/2,100
MD196TI	235(320)/2,000	V222TIL	736(1,000)/2,300

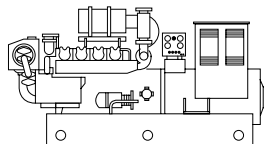
(G-Drive & G-Pac)

	(Output ISO 3046)					(Output ISO 3046)			
	@1,800rpm		@1,500rpm			@1,800rpm		@1,500rpm	
	Stand-by	Prime	Stand-by	Prime		Stand-by	Prime	Stand-by	Prime
	kW(PS)	kW(PS)	kW(PS)	kW(PS)		kW(PS)	kW(PS)	kW(PS)	kW(PS)
DC23-2	13(17)	11(15)	15(11)	14(10)	P126TI-1	288(392)	262(356)	-	-
DC23-1	18(25)	17(23)	16(22)	15(20)	P126TI	298(405)	278(378)	272(370)	241(328)
DC23	24(33)	22(30)	19(26)	18(24)	P126TI-II	342(465)	-	-	-
DC24	25(34)	23(31)	21(28)	18(25)	P158LE-2	361(491)	329(447)	321(437)	293(399)
DC24T	32(43)	29(39)	26(36)	24(32)	P158LE-1	402(546)	366(498)	362(492)	327(444)
DB33	35(47)	32(43)	29(39)	26(35)	P158LE	443(602)	402(547)	414(563)	363(494)
P034TI	60(82)	55(75)	48(65)	42(57)	P180LE-1	498(677)	454(617)	442(601)	403(548)
DB58	70(95)	64(87)	59(80)	54(73)	P180LE	540(734)	497(676)	496(674)	443(602)
D1146	105(143)	96(130)	85(116)	77(105)	P222LE-1	625(850)	563(765)	552(750)	496(675)
D1146T	138(187)	125(170)	118(160)	107(145)	P222LE	649(883)	591(803)	574(781)	532(723)
P086TI-1	191(303)	174(279)	164(270)	149(420)	GV158TIC	-	199(270)	-	169(230)
DE12T	199(270)	180(245)	166(226)	151(205)	GV180TIC	-	250(340)	-	213(289)
P086TI	223(260)	205(237)	199(223)	177(203)	GV222TIC	-	302(410)	-	257(350)

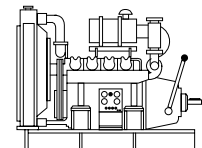
	(Output ISO 3046)		(Output ISO 3046)		(Output ISO 3046)		(Output ISO 3046)
	kW(PS) @ 1,500rpm		kW(PS) @ 1,500rpm		kW(PS) @ 1,800rpm		kW(PS) @ 1,800rpm
AD034F	26(35)	AD034TIF	42(57)	AD034S	32(43)	AD034TIS	55(75)
AD136F	77(105)	AD136TF	107(145)	AD136S	93(126)	AD136TS	125(170)
AD136TIF	121(165)	AD086TIF	151(205)	AD136TIS	143(195)	AD086TIS	186(253)
AD196TF	155(210)	AD196TIF	173(235)	AD196TS	181(246)	AD196TIS	199(270)
AD126TIF	206(280)	AD158TIF	302(410)	AD126TIS	247(336)	AD158TIS	353(480)
AD180TIF	357(485)	AD222TIF	446(606)	AD180TIS	441(600)	AD222TIS	530(720)



				(kW/kVA)			
Stand-by	Prime			1800rpm(60Hz)		1500rpm(50Hz)	
				Stand-by	Prime	Stand-by	Prime
DW10E	DW10	PIG	DC23-2	10/13	9/11	9/11	8/10
DW15E	DW15	PIH	DC23-1	15/19	14/17	13/17	12/15
DW20E	DW20	PIF	DC23	20/25	18/23	16/20	14/18
		PJF	DC24	20/25	18/23	16/20	14/18
DW26E	DW26	PII	DC24T	26/33	24/30	22/27	20/24
		PJM	DB33	26/33	24/30	22/27	20/25
DW50E	DW50	PIA	P034TI	50/63	45/56	40/50	36/45
DW60E	DW60	PJB	DB58	60/75	55/69	48/60	44/55
DW85E	DW85	PJJ	D1146	85/106	77/96	70/88	64/80
DW115E	DW115	PJK	D1146T	115/144	105/131	101/126	92/115
DW170E	DW170	PIE	P086TI-1	170/212	155/194	145/181	132/165
		PJE	DE12T	170/213	155/194	145/181	132/165
DW200E	DW200	PIL	P086TI	200/250	182/228	176/220	160/200
DW260E	DW260	PIW	P126TI-1	260/325	235/294	-	-
DW275E	DW275	PIQ	P126TI	275/344	250/313	242/303	220/275
DW320E	DW320	PIZ	P158LE-2	320/400	290/362	282/353	256/320
DW360E	DW360	PIS	P158LE-1	360/450	327/409	320/400	288/360
DW400E	DW400	PIY	P158LE	400/500	364/455	370/463	320/400
DW450E	DW450	PIO	P180LE-1	450/563	409/511	396/495	360/450
DW500E	DW500	PIM	P180LE	500/625	445/556	440/550	400/500
DW600E	DW600	PIN	P222LE	600/750	541/676	528/660	480/600

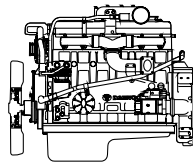


		(kW/kVA)	
		1800rpm(60Hz)	1500rpm(50Hz)
		Prime	Prime
		kW/kVA	kW/kVA
PNM	DB33	24/30	20/25
PNB	AD034TI	50/63	36/45
PNJ	AD136	80/100	68/85
PNK	AD136T	104/130	96/120
PND	AD136TI	132/165	108/135
PNE	AD086TI	172/215	136/170
PNL	AD196TI	176/220	160/200
PNI	AD126TI	224/280	192/240
PNZ	AD158TI	328/410	276/345
PNS	AD180TI	400/500	332/415
PNY	AD222TI	500/625	408/510



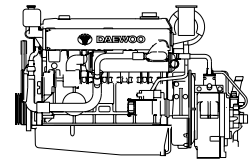
	kW(PS)/rpm
PU024	32(44)/2,800
PU024T	40(55)/2,600
PU034	50(68)/3,000
PU066	85(116)/2,800
PU086	116(160)/2,200
PU086T	151(205)/2,200
PU086TI	213(290)/2,200

● 大宇发动机主要产品(Applications for Daewoo Engine)



■ 汽车与工程机发动机

发动机型号	功率kW(PS)/rpm	发动机型号	功率kW(PS)/rpm
DE1146	133(181)/2,500	DE12TI	250(340)/2,100
DE1146TI	158(215)/2,200	DE12TIS	250(340)/2,100
DE08TIS	176(240)/2,300	GE12TI	250(340)/2,100
GE08TI	191(260)/2,300	DV15T	272(370)/2,300
DE12	169(230)/2,200	DV15TI	309(420)/2,100
DE12T	220(300)/2,200	DV15TIS	309(420)/2,100
DC23	37(50)/3,000	DB58TIS	127(173)/2,000
DC24	41(56)/3,000	D1146	115(156)/2,200
DC24T	41(55)/2,600	D1146T	140(190)/2,200
DB33	53(72)/3,000	D1146TI	162(220)/2,200
DB33A	46(63)/2,300	DE08TIS	151(205)/1,900
DB58	96(130)/2,800	DE12T	188(255)/2,000
DB58S	75(102)/2,200	DE12TI	213(290)/2,000
DB58T	104(142)/2,500	DE12TIS	238(323)/2,000
DB58TI	112(152)/2,200	DV15T	238(324)/2,300



■ 船舶用发动机

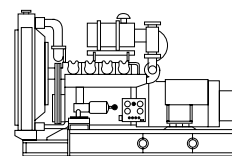
发动机型号	功率kW(PS)/rpm	发动机型号	功率kW(PS)/rpm
L034	51(70)/3,000	L126TIH	265(360)/2,000
L034TIH	88(120)/3,000	L126TIM	294(400)/2,100
L034TIM	107(145)/3,300	V158TIH	353(480)/1,800
L136	118(160)/2,200	V158TIM	397(540)/2,100
L136T	147(200)/2,200	V158TIL	500(680)/2,300
L136TL	177(240)/2,500	V180TIH	441(600)/1,800
L136TI	169(230)/2,200	V180TIM	478(650)/2,100
L086TIH	210(285)/2,100	V180TIL	820(603)/2,300
L086TIM	232(315)/2,300	V222TIH	530(720)/1,800
MD196T	206(280)/2,000	V222TIM	588(800)/2,100
MD196TI	235(320)/2,000	V222TIL	736(1,000)/2,300

■ 陆上用发电机发动机

发动机型号	功 率 (Output ISO 3046)				发动机型号	功 率 (Output ISO 3046)			
	@1,800rpm		@1,500rpm			@1,800rpm		@1,500rpm	
	非常用(Stand-by)	常用(Prime)	非常用(Stand-by)	常用(Prime)		非常用(Stand-by)	常用(Prime)	非常用(Stand-by)	常用(Prime)
	kW(PS)	kW(PS)	kW(PS)	kW(PS)		kW(PS)	kW(PS)	kW(PS)	kW(PS)
DC23-2	13(17)	11(15)	15(11)	14(10)	P126TI-1	288(392)	262(356)	-	-
DC23-1	18(25)	17(23)	16(22)	15(20)	P126TI	298(405)	278(378)	272(370)	241(328)
DC23	24(33)	22(30)	19(26)	18(24)	P126TI-II	342(465)	-	-	-
DC24	25(34)	23(31)	21(28)	18(25)	P158LE-2	361(491)	329(447)	321(437)	293(399)
DC24T	32(43)	29(39)	26(36)	24(32)	P158LE-1	402(546)	366(498)	362(492)	327(444)
DB33	35(47)	32(43)	29(39)	26(35)	P158LE	443(602)	402(547)	414(563)	363(494)
P034TI	60(82)	55(75)	48(65)	42(57)	P180LE-1	498(677)	454(617)	442(601)	403(548)
DB58	70(95)	64(87)	59(80)	54(73)	P180LE	540(734)	497(676)	496(674)	443(602)
D1146	105(143)	96(130)	85(116)	77(105)	P222LE-1	625(850)	563(765)	552(750)	496(675)
D1146T	138(187)	125(170)	118(160)	107(145)	P222LE	649(883)	591(803)	574(781)	532(723)
P086TI-1	191(303)	174(279)	164(270)	149(420)	GV158TIC	-	199(270)	-	169(230)
DE12T	199(270)	180(245)	166(226)	151(205)	GV180TIC	-	250(340)	-	213(289)
P086TI	223(260)	205(237)	199(223)	177(203)	GV222TIC	-	302(410)	-	257(350)

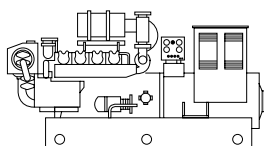
■ 船舶发电机用(辅助)发动机

发动机型号	功 率 (Output ISO 3046)	发动机型号	功 率 (Output ISO 3046)	发动机型号	功 率 (Output ISO 3046)	发动机型号	功 率 (Output ISO 3046)
	kW(PS) @ 1,500rpm		kW(PS) @ 1,500rpm		kW(PS) @ 1,800rpm		kW(PS) @ 1,800rpm
AD034F	26(35)	AD034TIF	42(57)	AD034S	32(43)	AD034TIS	55(75)
AD136F	77(105)	AD136TF	107(145)	AD136S	93(126)	AD136TIS	125(170)
AD136TIF	121(165)	AD086TIF	151(205)	AD136TIS	143(195)	AD086TIS	186(253)
AD196TF	155(210)	AD196TIF	173(235)	AD196TS	181(246)	AD196TIS	199(270)
AD126TIF	206(280)	AD158TIF	302(410)	AD126TIS	247(336)	AD158TIS	353(480)
AD180TIF	357(485)	AD222TIF	446(606)	AD180TIS	441(600)	AD222TIS	530(720)



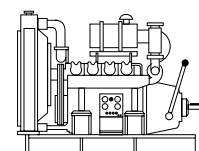
■ 陆上用发电机

发电机型号			发动机型号	功 率 (kW/kVA)			
非常用 (Stand-by)	常用 (Prime)	后 缀 (Suffix)		1800rpm(60Hz)		1500rpm(50Hz)	
				非常用 (Stand-by)	常用 (Prime)	非常用 (Stand-by)	常用 (Prime)
				kW/kVA	kW/kVA	kW/kVA	kW/kVA
DW10E	DW10	PIG	DC23-2	10/13	9/11	9/11	8/10
DW15E	DW15	PIH	DC23-1	15/19	14/17	13/17	12/15
DW20E	DW20	PIF	DC23	20/25	18/23	16/20	14/18
		PJF	DC24	20/25	18/23	16/20	14/18
DW26E	DW26	PII	DC24T	26/33	24/30	22/27	20/24
		PJM	DB33	26/33	24/30	22/27	20/25
DW50E	DW50	PIA	P034TI	50/63	45/56	40/50	36/45
DW60E	DW60	PJB	DB58	60/75	55/69	48/60	44/55
DW85E	DW85	PJJ	D1146	85/106	77/96	70/88	64/80
DW115E	DW115	PJK	D1146T	115/144	105/131	101/126	92/115
DW170E	DW170	PIE	P086TI-1	170/212	155/194	145/181	132/165
		PJE	DE12T	170/213	155/194	145/181	132/165
DW200E	DW200	PIL	P086TI	200/250	182/228	176/220	160/200
DW260E	DW260	PIW	P126TI-1	260/325	235/294	-	-
DW275E	DW275	PIQ	P126TI	275/344	250/313	242/303	220/275
DW320E	DW320	PIZ	P158LE-2	320/400	290/362	282/353	256/320
DW360E	DW360	PIS	P158LE-1	360/450	327/409	320/400	288/360
DW400E	DW400	PIY	P158LE	400/500	364/455	370/463	320/400
DW450E	DW450	PIO	P180LE-1	450/563	409/511	396/495	360/450
DW500E	DW500	PIM	P180LE	500/625	445/556	440/550	400/500
DW600E	DW600	PIN	P222LE	600/750	541/676	528/660	480/600



■ 船舶用发电机

发动机型号	发动机型号	功 率 (kW/kVA)	
		1800rpm(60Hz)	1500rpm(50Hz)
		常用(Prime)	常用(Prime)
		kW/kVA	kW/kVA
PNM	DB33	24/30	20/25
PNB	AD034TI	50/63	36/45
PNJ	AD136	80/100	68/85
PNK	AD136T	104/130	96/120
PND	AD136TI	132/165	108/135
PNE	AD086TI	172/215	136/170
PNL	AD196TI	176/220	160/200
PNI	AD126TI	224/280	192/240
PNZ	AD158TI	328/410	276/345
PNS	AD180TI	400/500	332/415
PNY	AD222TI	500/625	408/510



■ POWER UNIT

发动机型号	功 率 kW(PS)/rpm
PU024	32(44)/2,800
PU024T	40(55)/2,600
PU034	50(68)/3,000
PU066	85(116)/2,800
PU086	116(160)/2,200
PU086T	151(205)/2,200
PU086TI	213(290)/2,200

DAEWOO HEAVY INDUSTRIES & MACHINERY LTD. AROUND THE WORLD



Head Office

Hwasu-Dong 7-11, Dong-Gu, Incheon, Korea.
Tel : 82-32-760-1114 Fax : 82-32-762-1546

Seoul Office

8th floor Daewoo Heavy Industries & Machinery Bldg, 14-34,
Youido-Dong, Youngdungpo-Gu, Seoul, Korea
Tel : 82-2-2167-3114 Fax : 82-2-785-2677

ASIA & OCEANIA

Daewoo Heavy Industries Australia Pty. Ltd

Suite 5, Level 4, 20 Charles St., Parramatta NSW 2150, Australia
Tel : 61-2-9633-4544 Fax : 61-2-9633-5266

Daewoo Machinery Co., Ltd

No.83 WenHwa 1st. Road, Kueishan Hsiang, Taoyuan Hsien,
Taiwan R.O.C
Tel : 886-3-327-5576 Fax : 886-3-327-3013

Xinjiang Daewoo Machinery Co., Ltd

No, 178, Hetanbei Road, Wulumuqi, Xinjiang, China
Tel : 86-991-463-2217 Fax : 86-991-461-8641

Dajian(Tianjin) Mechanical Construction Co., Ltd

No.87 Gongxing Road, Tanggu, Tianjin, china
Tel : 86-222-521-0540 Fax : 86-222-521-0714

Daewoo Heavy Industries Yantai Co., Ltd

#28, Wuzhishan Road, Eco. & Tech, Development Zone,
Yantai, Shandong, China
Tel : 86-535-638-2000 Fax : 86-535-638-2004

Daewoo Construction Machinery Co., Ltd

3rd Floor, k-1 Bld., 19-4, Nishi-shinbashi 2-Chome,
Minato-Ku, Tokyo, Japan
Phone : 81-3-3433-8400 Fax : 81-3-3433-8648

NORTH AMERICA

Daewoo Heavy Industries America Corp.

2905 Shawnee Industrial Way, Suwanee,
Georgia 30024, U. S. A
Tel : 1-770-831-2200 Fax : 1-770-831-0480

Daewoo Heavy Industries America N.J. Office

8 York Avenue, West Caldwell, N.J. 07006, U.S.A
Tel : 1-973-618-2500 Fax : 1-973-618-2501

Daewoo Heavy Industries America Cleveland Office

4530 Renaissance Parkway, Warrensville Heights, OH 44128,
U.S.A
Tel : 1-216-595-1212 Fax : 1-216-595-1214

Daewoo Rep. C/O Boeing Co.

P.O.Box 3707 M/S 39-AH, Seattle, WA 98124-2207, U.S.A
Tel : 1-425-266-0478 Fax : 1-425-266-0518

EUROPE

Euro Daewoo U,K Ltd

Daewoo House, Unit 6.3 Nantgarw Park, Cardiff
CF47QU, U.K. / Tel : 44-1443-84-2273 Fax : 44-1443-84-1933

Daewoo Maschinen Vertriebs GmbH

Hans-Bockler strasse 29, D-40764, Langenfeld-Fuhrkamp,
Germany / Tel : 49-2173-8509-20 Fax : 49-2173-8509-60

Euro Daewoo S. A

1A Rue Achille Degrace 7080 Frameries Belgium
Tel : 32-65-61-3231 Fax : 32-65-61-3238

Euro Daewoo S. A France

2Eme Etage, 1/3 Avenue Pavlov, Z.A.I. Des Bruyeres 78190
Trappes France
Tel : 33-1-3016-2140
Fax : 33-1-3016-2144

SOUTH AMERICA

Daewoo Maquinas I Equipamentos Ltda

AV Tres Andradas 519- Jd. Piratininga - CEP
06230-050- Osasco - SP - Brazil
Phone : 55-11-3686-0177 Fax : 55-11-3686-0970

DHIAC Colombia Liaison Office

Diagonal 127 A No. 17-34 Oficina 302
Bogota, Colombia

AFRICA

Daewoo Heavy Industries South Africa Pty. Ltd

60C Electron Road Isando 1600, Johannesburg, South Africa
Phone : 27-11-974-2095 Fax : 27-11-974-2778

1. [: 401-010 7-11 032) 760-1114()]
: 150-010 14-34 () B/D 02)2167-3114()]

● / ().....032)884-8167 400-037 77가 27-207 FAX : 032)881-8166 ().....033)653-6811 210-110 1231 : 033)653-6812~3 FAX : 033)653-6814 ● ().....02)598-5558 137-073 3 1570-6 (B/D 4) FAX : 02)653-6814 ().....031)752-3711 462-110 109-6 (B/D 302) FAX : 031)753-0248 ().....031)232-5424 442-070 1038-5 (B/D 4) FAX : 031)234-7377 ●	().....042)931-1070 306-130 154-15 : 042)931-1071 FAX : 042)931-1072 ● ().....061)243-2466 530-210 549-37 FAX : 061)243-2467 ().....063)443-3937 573-010 999 : 063)443-3938 FAX : 063)445-7528 ().....061)724-6501 540-850 53-3 : 061)724-6502 FAX : 061)724-6503 ● ().....062)603-0011 502-153 4 18-108 : 062)603-0012 FAX : 062)603-0013 ● /	().....054)281-7172 790-150 66-50 2 : 054)281-7173 FAX : 054)281-7174 ().....064)752-0054 690-022 2 1068 : 064)752-0054 FAX : 064)751-1054 ● ().....051)293-5546 617-060 524-44 FAX : 051)293-5998 ().....055)647-0141 650-030 1378 4 : 055)647-0142~3 FAX : 055)647-0143 ● ().....053)742-6223 701-020 1 651-2 2 : 053)742-6224~5 FAX : 053)742-6225 ().....051)317-1961 616-060 559-13 (B/D. 6) : 051)317-1962~3 FAX : 051)317-1964
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2. [A/S : 425-190 85-1 031)400-2040()]
: 502-370 152-7 062)650-1060()]

●032)836-1280 409-850032)883-0938 401-020 77가 60032)884-6636 400-037 77가 85-25032)885-8363 400-037 77가 85-47033)682-2497 219-900 1 4061)642-2612 550-180 37-84061)641-0906 550-040 37-492051)206-5131 604-030 485()051)413-8550 606-033 37가 21054)246-7886 791-040 2 120054)276-3149 795-800	054)791-3388 799-800 3 301-3061)243-2295 530-080 27가 3-15064)758-4288 690-061 1 2138-2064)796-2833 695-830 1314-108 ●02)336-3855 121-220 433-10031)761-3121 464-880 434-2 : 02)634-266602)672-1011 150-032 77가 94-5802)675-3566 150-040 121-152031)393-3541 435-040 1 241-5 : 0343)393-5340042)524-4083 302-190 254-52	062)523-7653 500-170 675-6053)383-0088 700-251 582-1064)753-5083 690-041 1 2824-3064)755-6065 690-061 2 4981-6
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3. A/S

24 A/S ; 031)400-2112

[A/S : 426-190 85-1
: 031)400-2112 7, FAX : 031)400-2110]



()02)2677-0704
150-032 27가 94-121 (1)
: 02)2677-0705,2679-0201 2
FAX : 02)2679-7141

()02)2676-3366
150-037 77가 94-325
: 02)2676-1171
FAX : 02)2671-4615

()02)2671-4040
150-032 27가 94-117
: 02)2679-4994
FAX : 02)2671-1302

()055)294-4001
630-500 660-71
: 055)294-4002
FAX : 055)255-3554



.....02)2676-7921
150-037 77가 94-280
: 02)2676-2198
FAX : 02)2672-3518

()02)2632-4775
150-037 77가 94-90 101
: 02)2632-4775
FAX : 02)2631-5459

.....02)2676-3060
150-032 27가 94-118 B/D 105
: 02)2676-3060
FAX : 02)2676-3545

.....032)882-0876
402-011 1 346-5
: 032)883-8089
FAX : 032)883-8089

.....032)812-4260
405-310 719-17
142B-18L
: 032)812-4261
FAX : 032)812-4977

.....032)881-2143
402-010 348-2
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: 053)559-6667
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.....032)883-9976
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: 061)641-3622
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.....061)844-5555
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: 061)842-3675
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: 055)832-5535
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: 032)812-4261
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