

MITSUBISHI DIESEL ENGINE S16R-PTA-S

Engine No.: 021880-023336

PARTS CATALOGUE

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**MITSUBISHI HEAVY INDUSTRIES
ENGINE & TURBOCHARGER**

Silverhorn.co.uk

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- ・ Company names or product names described this PARTS CATALOGUE are generally trademarks or registered trademarks of each company.
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「三菱純正部品」のご使用について

三菱エンジンをより永く安全にお使いいただくために、「三菱純正部品」のご使用を推奨致します。

品質・性能・安全性

「三菱純正部品」は弊社の厳正な審査をクリアした高品質な部品であり、

三菱エンジンの性能を最大限に引き出します。

※純正部品以外のご使用は三菱エンジンの性能を十分に発揮できないだけでなく
機器の損傷や重大事故につながるおそれがあります。

耐久性

「三菱純正部品」は定期交換時まで性能を持続する耐久性に優れているため、

メンテナンスに必要なコストを最小限に抑えることができます。

充実したサポート体制

「三菱純正部品」は弊社指定販売会社に豊富に取り揃えてあり、

お客様に充実したサポートを提供致します。

ご購入の際は、「三菱純正部品」とご指定のうえ最寄りの販売会社にてお買い求めください。

部品カタログのご使用について

1. 部品を注文される時は、下記事項を指示願います。

(1) 部品番号と部品名称

(2) 必要数量

(3) 機種・型式と号機番号

場合によっては、ご注文を受けた部品の代わりに、代替部品が供給されます。

2. 部品番号順索引は巻末(C1頁～)に収録してありますのでご利用ください。

3. 一部イラストにつきましては、代表的なイラストを載せている場合があり、実物と異なる場合も
ございますのであらかじめご了承ください。

4. 部品、部品番号は予告なしに変更することがあります。

部品カタログの見方

(1)
P416A-010-01 CYLINDER HEAD
(COMMON PARTS)

- 3 -

REF. NO.	PART NO.	PART NAME & DESCRIPTION		MODEL & QTY		
				PTK		
0500	41001-20200	SLEEVE		16		
0600	41001-00300	NUT		16		
0700	41001-20700	BOLT		16		
0800	41001-00801	GUIDE, BRIDGE		32		
0900	04826-22800	CAP, SEALING		48		

注記: 上記の型式名, バリエーション数については
他のカタログの例を引用している場合がありますので,
本カタログのそれ等におきかえ参照してください。

上記(1),(2)……(6)の項目の詳細説明を次に記します。

(1) 記載順序および構成

製品を構成する各装置それぞれにグループ番号を付し, 目次(B1頁～)に示す順序で編集してあります。
また, 各グループは左ページのイラスト(挿絵)と右ページのリスト本文から構成されています。

(2) 見出番号

イラスト内の見出番号を表示してあります。見出し番号が7桁まで表示がある場合, 上4桁はその組立品の見出し番号に対応し, 下3桁は原則としてその構成品毎の追番となっています。

(3) 部品番号

供給可能な三菱純正部品の部品番号を記載してあります。

注記: この欄に*印のある部品は補用部品として供給いたしません。

(4) 部品名称

部品の名称を示します。なお, 略語を使用する場合がありますので, その際は後述(A10頁～)の「略語・記号一覧表」をご参照ください。

注記: 部品の左, 右の呼称はエンジンフライホイール側から見て, 左側(L.H)または右側(R.H)と呼称します。

(5) 記事・使用記号

(a) 供給区分記事

B/W: ワッシャ付ボルトに表示,(5)-(e)にてご注文方法を解説してあります。

KIT: KIT構成部品に表示

STD: 標準部品に表示

OPT: オプション部品に表示

SFN: 半加工部品に表示

FN: 仕上げ加工済部品に表示

PAINTED: 上塗り塗装済部品に表示

- (b) 部品を補足する厚さ、長さ等の寸法、メーカー部品番号、社名等必要に応じ表示します。

注記: 原則として寸法はmmで表示し、mmの文字は省略してあります。

(例) 厚さ	T = 1.00	長さ	L = 1000
巾	W = 1500	高さ	H = 500
歯数	Z = 63	ギヤ比	I = 1.25

- (c) 「NOT SHOWN」と表示している部品はイラスト表示していません。

- (d) オーバホールガasketキットの構成部品で「UNNECESSARY」と表示している部品は本カタログに記載されているエンジンには使用しない部品です。

- (e) ワッシャ付ボルトのご注文方法

このカタログに使用している一般取付用ボルトのうちワッシャ付ボルトは記事欄に“B/W”の表示をしてあります。(部品名称: BOLT, W/WASHER)

これについてはボルト、ワッシャ各々の部品番号選定にあたり、下記事項に従って単品でご注文ください。

F1805-XXYYY	=	F1035-XXYYY
		F2515-XX000
F1825-XXYYY	=	F1035-XXYYY
		F2515-XX000
		F2500-XX000
F2005-XXYYY	=	F1155-XXYYY
		F2515-XX000
F2015-XXYYY	=	F1155-XXYYY
		F2515-XX000
		F2500-XX000

XXはボルトの径を表し、YYYはボルトのネジ部長さを表しています。

(6) 型式・個数

- (a) 型式: 当該部品カタログの適用する機種名・仕様・向先等をバリエーション毎にタイトル欄に表示してあります。

- (b) 個数: 単体部品、アセンブリ部品およびその構成部品とも1台分の数量を表示してあります。

注記: 個数欄に“AR”の表示がある場合、必要に応じ個数調整を要します。

Always Use MITSUBISHI GENUINE PARTS

We recommend that you use " Mitsubishi Genuine Parts" in order to use the Mitsubishi engine for a long time and safely.

Quality, performance, and safety

" Mitsubishi Genuine Parts" are high quality parts that passed our strict inspections and bring out the performance of Mitsubishi engines to the maximum.

* Using other than genuine parts not only can not fully demonstrate the performance of Mitsubishi engines, but may cause equipment damage and serious accidents.

Durability

" Mitsubishi Genuine Parts" are excellent in durability to sustain performance until periodic replacement, so you can minimize maintenance costs.

Extensive support system

A large assortment of " Mitsubishi Genuine Parts" is always available at any of our authorized dealers, who can provide you with extensive support.

When purchasing, please ask for " Mitsubishi Genuine Parts" at your nearest dealer.

GUIDE FOR USE OF PARTS CATALOGUE

1. When ordering parts, give the Mitsubishi dealer or distributor the following information:

- (1) Part number and part name
- (2) Quantity required
- (3) Model, type and serial number

In some cases, a substitute part is furnished instead of the part ordered.

2. For the numerical index, refer to the pages beginning with C1 at the end of this parts catalogue.

3. Please understand beforehand that some illustrations may show a part shaped different from the real part when the illustration shows a typical example of various parts.

4. The parts and part numbers are subject to change without prior notice.

HOW TO USE THIS PARTS CATALOGUE

(1)
P416A-010-01 CYLINDER HEAD
(COMMON PARTS)

- 3 -

REF. NO.	PART NO.	PART NAME & DESCRIPTION		MODEL & QTY		
				PTK		
0500	41001-20200	SLEEVE		16		
0600	41001-00300	NUT		16		
0700	41001-20700	BOLT		16		
0800	41001-00801	GUIDE, BRIDGE		32		
0900	04826-22800	CAP, SEALING		48		

NOTE: Since the sample above may be taken from another catalogue,
the contents may not coincide with this catalogue.

The items (1) thru (6) are as described below:

(1) Compiling system

Each system constituting the product is assigned a group number, and listed in the order shown in the table of contents (on and after page B1).

Each group consists of a drawing (illustration) on the left page and the list body text on the right page.

(2) Reference number

Reference numbers in the illustrations are indicated here. If the reference number is a seven digit number, the first four digits show the reference number of the assembly, and the last three digits show the number of its component part.

(3) Part number

Part numbers of MITSUBISHI GENUINE PARTS that can be supplied are shown.

NOTE: Parts with an asterisk (*) are not supplied individually.

(4) Part name

The name of each part is shown. Abbreviations are sometimes used. For the abbreviations, refer to the "TABLE OF SYMBOLS & ABBREVIATIONS" on and after page A10.

NOTE: L.H (left hand) and R.H (right hand) refer to directions viewed from the flywheel side of the engine.

(5) Description & abbreviation codes

(a) Description codes

B/W: Bolt with washer. Explanation on how to order is in (5)-(e).

KIT: Part supplied as a kit

STD: Standard part

OPT: Optional part

SFN: Semi-finished part

FN: Finished part

PAINTED: Top-painted part

- (b) Supplementary information of the part such as the thickness, length, manufacturer's part number, company name etc. are shown as necessary.

NOTE: In principle, the dimensions are indicated in millimeters and the millimeter symbol (mm) is omitted.

(Examples) Thickness	T=1.00	Length	L=1000
Width	W=1500	Height	H=500
No. of teeth	Z=63	Gear ratio	I=1.25

- (c) The parts indicated as "NOT SHOWN" are not shown in the illustration.
- (d) Component parts of overhaul gasket kit indicated as "UNNECESSARY" are not used on the engine described in this catalogue.
- (e) How to order bolts with washer

Among the general mounting bolts described in this catalogue, bolts with washer are indicated with "B/W" in the description column. (Part name: BOLT, W/WASHER)

To purchase these bolts with washer, please order according to the following form to specify the bolt and washer part numbers separately.

F1805-XXYYY= F1035-XXYYY

F2515-XX000

F1825-XXYYY= F1035-XXYYY

F2515-XX000

F2500-XX000

F2005-XXYYY= F1155-XXYYY

F2515-XX000

F2015-XXYYY= F1155-XXYYY

F2515-XX000

F2500-XX000

XX represents the bolt diameter, and YYY represents the length of the bolt threads.

(6) Model & quantity

- (a) Model: Model, type, specification, destination, etc. of the product described in this parts catalogue are indicated in the title column of each variation.

- (b) Quantity: Quantity of the part or assembly, and its component parts required for one unit of the product are indicated.

NOTE: In case "AR" appears in the QTY column, it is required to adjust the quantity as necessary.

关于使用“三菱纯正零部件”

为长久安全地使用三菱发动机，推荐使用“三菱纯正零部件”。

质量、性能、安全性

“三菱纯正零部件”系通过了本公司严格检查的高质量零部件，可最大限度发挥三菱发动机的性能。

※如果使用非纯正零部件，不仅无法充分发挥三菱发动机的性能，还有可能导致机器损坏或重大事故。

耐久性

“三菱纯正零部件”耐久性优异，在定期更换前能保持性能，可将维护所需成本控制到最小限度。

充实的服务体制

本公司指定的销售公司经销品种丰富的“三菱纯正零部件”，为顾客提供充实的服务。

购买时，请前往最近的销售公司指定求购“三菱纯正零部件”。

零部件目录的使用说明

1. 在订购零部件时，请指示以下的事项。
 - (1) 零部件编号和零部件名称
 - (2) 需要的数量
 - (3) 机型名称、型号和制造编号有的场合，对于所订购的零部件，可能提供代用的零部件。
2. 按零部件编号顺序编制的索引收录在卷末（C1页～），请予利用。
3. 本手册中使用的一部分示图为代表性的示图，和实物或有不同，请予理解。
4. 零部件、零部件编号有未经预告而变更的可能。

零部件目录的看法说明

(1)
P416A-010-01 CYLINDER HEAD
(COMMON PARTS)

- 3 -

REF. NO.	PART NO.	PART NAME & DESCRIPTION		MODEL & QTY		
				PTK		
0500	41001-20200	SLEEVE		16		
0600	41001-00300	NUT		16		
0700	41001-20700	BOLT		16		
0800	41001-00801	GUIDE, BRIDGE		32		
0900	04826-22800	CAP, SEALING		48		

注：关于上述型号名称、派生数量和序号等，有的引用了其他目录的示例，故请与本目录置换参阅。

下面，就上述(1)、(2)……(6)项进行详细说明。

(1) 记载顺序及其构成

已将构成产品的各个装置分别附加分类编号，按目录（B1页～）所示顺序进行了编辑。

此外，每一组别由左边的插图和右边的一览表正文构成。

(2) 索引编号

表示插图内的索引编号。如果索引编号显示到7位数，前4位数对应该组装零部件的索引编号，后面3位数原则上为其每个构成零部件的编号。

(3) 零部件编号

注明了可提供的三菱纯正零部件的零部件编号。

注：该栏目内有*符号的零部件不作为维修用零部件供货。

(4) 零部件名称

表示零部件的名称。此外，有时使用缩略语，届时，请查阅后面（A10页～）的“缩略语、符号一览表”。

注：零部件的左、右称呼是从发动机飞轮的方向看，分别称为左侧(L.H)或者右侧(R.H)。

(5) 说明、规格符号

(a) 供货区分说明

B/W：表示带垫圈的螺栓，(5)-(e)中有订购方法的解说。

KIT：表示KIT结构零部件

STD：表示标准零部件

OPT: 表示选购零部件

SFN: 表示半成品零部件

FN: 表示已加工完毕的零部件

PAINTED: 表示已涂完面漆的零部件

(b) 根据需要表示要补充的零部件的厚度、长度等尺寸、生产厂家的零部件编号、公司名称等。

注: 原则上以mm表示尺寸, 而mm的字母本身省略。

(例) 厚度 $T = 1.00$ 长度 $L = 1000$
宽度 $W = 1500$ 高度 $H = 500$
齿数 $Z = 63$ 齿轮比 $I = 1.25$

(c) 以“NOT SHOWN”表示的零部件无图示。

(d) 大修用密封垫套件的构成零部件以“UNNECESSARY”表示的, 是本目录中记载的发动机上不使用的零部件。

(e) 带垫圈螺栓的订购方法

本手册中使用的一般安装用螺栓, 对其中附带垫圈的螺栓, 在备注栏内注明“B / W”。
(零部件名称: B O L T, W / W A S H E R)

有关这些螺栓、垫圈各自的零部件编号, 选择时请按照以下事项分别单独订购。

F 1 8 0 5 - X X Y Y Y = F 1 0 3 5 - X X Y Y Y
F 2 5 1 5 - X X 0 0 0
F 1 8 2 5 - X X Y Y Y = F 1 0 3 5 - X X Y Y Y
F 2 5 1 5 - X X 0 0 0
F 2 5 0 0 - X X 0 0 0
F 2 0 0 5 - X X Y Y Y = F 1 1 5 5 - X X Y Y Y
F 2 5 1 5 - X X 0 0 0
F 2 0 1 5 - X X Y Y Y = F 1 1 5 5 - X X Y Y Y
F 2 5 1 5 - X X 0 0 0
F 2 5 0 0 - X X 0 0 0

X X 表示螺栓的直径, Y Y Y 表示螺栓的螺纹部长度。

(6) 型号、数量

(a) 型号: 在标题栏内逐项表明了该零部件目录所适用的机型名称、规格、发往地等派生的内容。

(b) 数量: 表示1台机器所需的某个单体零部件、组件及其构成零部件的数量。

注: 如果数量栏内标有“AR”, 表示必须根据需要调整数量。

略語・記号一覧表
TABLE OF SYMBOLS & ABBREVIATIONS
符号和缩略语一览表

表示 SYMBOL 符号	説明	DESCRIPTION	说明
ACCEL	加速機	ACCELERATOR	加速器
ADJ	調整	ADJUSTING (ADJUSTABLE)	调整
AIR-CON	調温調湿装置	AIR-CONDITIONER	温度湿度调节装置
ASSY	組合せ品	ASSEMBLY	组件
ATT	付属品	ATTACHMENT	附件
AUTO	自動的	AUTOMATIC	自动的
AUX	補助的	AUXILIARY	辅助的
AR	必要に応じて使用	AS REQUIRED	根据需要使用
BATT	バッテリー	BATTERY	蓄电池
BRG	ベアリング	BEARING	轴承
B/PMP	ビルジポンプ	BILGE PUMP	水泵
BRKT	ブラケット	BRACKET	轴承座
BUSH	ブッシュ	BUSHING	轴套
CARB	気化器	CARBURETOR	化油器
C/L	中心線	CENTERLINE	中心线
COMPR	圧縮機	COMPRESSOR	空气压缩机
CON-ROD	コネクティングロッド	CONNECTING-ROD	连杆
C/MBR	クロスメンバ	CROSS-MEMBER	横梁
CYL	シリンダ	CYLINDER	气缸
DIA	直径	DIAMETER	直径
DIFF	ディファレンシャル	DIFFERENTIAL	差速器
DISTR	ディストリビュータ	DISTRIBUTOR	分电器
DR	ドライブ	DRIVE	驱动
D=	外径	OUT DIAMETER	外径

略語・記号一覧表
TABLE OF SYMBOLS & ABBREVIATIONS
符号和缩略语一览表

表示 SYMBOL 符号	説明	DESCRIPTION	说明
ELEC	電氣的	ELECTRIC	电气的
ENG	エンジン	ENGINE	发动机
EQUIP	装置	EQUIPMENT	装置
EXH	排氣	EXHAUST	排气
E/TNK	エキスパンションタンク	EXPANSION TANK	(散热器) 膨胀罐
FITT	取付	FITTING	安装
FLEX	フレキシブル	FLEXIBLE	挠性的
FR	前方	FRONT	前方
GSKT	ガスケット	GASKET	密封垫
GEN	発電機	GENERATOR	发电机
GOV	ガバナ	GOVERNOR	调速器
G/N	グループ番号	GROUP NUMBER	分组编号
H/EXCH	ヒートエクスチェンジャ	HEAT EXCHANGER	热交换器
HEX	六角	HEXAGON	六角
HYD	油圧	HYDRAULIC	液压
H=	高さ	HEIGHT	高度
IND	インダストリアル	INDUSTRIAL	工业的
INJ	噴射	INJECTION	喷射
INSTAL	取付け	INSTALLATION	装配
INST	道具	INSTRUMENT	工具
INTLK	インタロック	INTERLOCK	互锁
JUNC	ジャンクション	JUNCTION	连接
KD	ノックダウン	KNOCKDOWN	可拆卸
L.H	左側	LEFT HAND	左侧
LUB	潤滑	LUBRICATION	润滑
L=	長さ	LENGTH	长度

略語・記号一覧表
TABLE OF SYMBOLS & ABBREVIATIONS
符号和缩略语一览表

表示 SYMBOL 符号	説明	DESCRIPTION	说 明
MANF	マニホールド	MANIFOLD	歧管
MAX	最大	MAXIMUM	最大
MIN	最小	MINIMUM	最小
MTR	モータ	MOTOR	马达
MTG	マウンティング	MOUNTING	支架
NO.	番号	NUMBER	编号
OPT	オプション	OPTION	选择
O/D	オーバードライブ	OVER DRIVE	超速
O.S	オーバ・サイズ	OVERSIZE	加大尺寸
PTO	パワーテイクオフ	POWER TAKE-OFF	动力输出装置
P/S	パワーステアリング	POWER STEERING	动力转向器
PRESS	圧力	PRESSURE	压力
P/N	部品番号	PART NUMBER	零部件编号
QTY	個数	QUANTITY	数量
RAD	ラジエータ	RADIATOR	散热器
RE	後方	REAR	后面
REG	調整器	REGULATOR	调整器
REV	逆転	REVERSE	反转
R.H	右側	RIGHT HAND	右侧
REF.NO.	見出番号	REFERENCE NUMBER	索引编号
R/N	見出番号	REFERENCE NUMBER	索引编号
S/PMP	海水ポンプ	SEA WATER PUMP	海水泵
SECT	セクション	SECTION	型材
S/MBR	サイドメンバ	SIDEMEMBER	纵梁
STD	標準	STANDARD	标准
SUPT	支持	SUPPORT	支撑

略語・記号一覧表
TABLE OF SYMBOLS & ABBREVIATIONS
符号和缩略语一览表

表示 SYMBOL 符号	説明	DESCRIPTION	说明
SYM	シンボル	SYMBOL	符号
SYNCH	シンクロナイザ	SYNCHRONIZER	同步装置
SYS	システム	SYSTEM	系统
TEMP	温度	TEMPERATURE	温度
TERM	ターミナル	TERMINAL	端子
T/CONV	トルクコンバータ	TORQUE-CONVERTER	液力变矩器
T/F	トランスファ	TRANSFER	分动器
T/M	変速機	TRANSMISSION	变速器
T/HSG	タービンハウジング	TURBINE-HOUSING	涡轮壳
T/C	ターボチャージャ	TURBOCHARGER	涡轮增压器
T=	厚さ	THICKNESS	厚度
U/BODY	アンダボデー	UNDERBODY	车身底部
U.S	アンダサイズ	UNDERSIZE	下偏差尺寸
UNIV	自在	UNIVERSAL	通用的
VAC	真空	VACUUM	真空
VENT	通風機	VENTILATOR	通风机
W/STRIP	ウエザストリップ	WEATHERSTRIP	密封条
W/	……付	WITH	带……
W/O	……なし	WITHOUT	无……
W/W	ウッドワード	WOODWARD	伍德沃德
W/PMP	ウォーターポンプ	WATER PUMP	水泵
W=	幅	WIDTH	宽度
Z=	歯数	NUMBER OF	齿数
		GEAR TEETH	

略 語 ・ 記 号 一 覧 表
TABLE OF SYMBOLS & ABBREVIATIONS
符号和缩略语一览表

表示 SYMBOL 符号	説明	DESCRIPTION	说 明
1ST	第1	FIRST	第一
2ND	第2	SECOND	第二
3RD	第3	THIRD	第三
4TH	第4	FOURTH	第四
5TH	第5	FIFTH	第五
&	～と～	AND	～和～
@	未確認記号	UNCONFIRMED	未确认符号
*	部品供給不可	PART NOT TO BE SUPPLIED	不可供应零部件
BAS	ボッシュ株式会社	Bosch Automotive Systems Corp.	博世汽车系统株式会社
DEN	株式会社デンソー	DENSO Corp.	电装株式会社
HNC	(株)日立ニコ トランスミッション	Hitachi Nico Transmisson Co., Ltd.	株式会社 日立NICO传动设备
NKC	日興電機工業株式会社	Nikko Electric Industry Co., Ltd.	日兴电机工业株式会社
MEC	三菱電機株式会社	Mitsubishi Electric Corp.	三菱电机株式会社
SEC	澤藤電機株式会社	Sawafuji Electric Co., Ltd.	泽藤电机株式会社
MPC	ミクニプレジジョン 株式会社	Mikuni Precision Co., Ltd.	三国精密株式会社
W/W	ウッドワードガバナ 株式会社	Woodward Governor (JAPAN), Ltd.	伍德沃德调速器 株式会社

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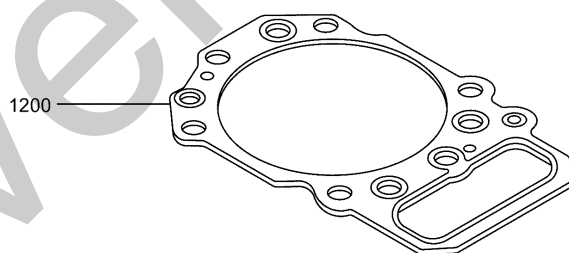
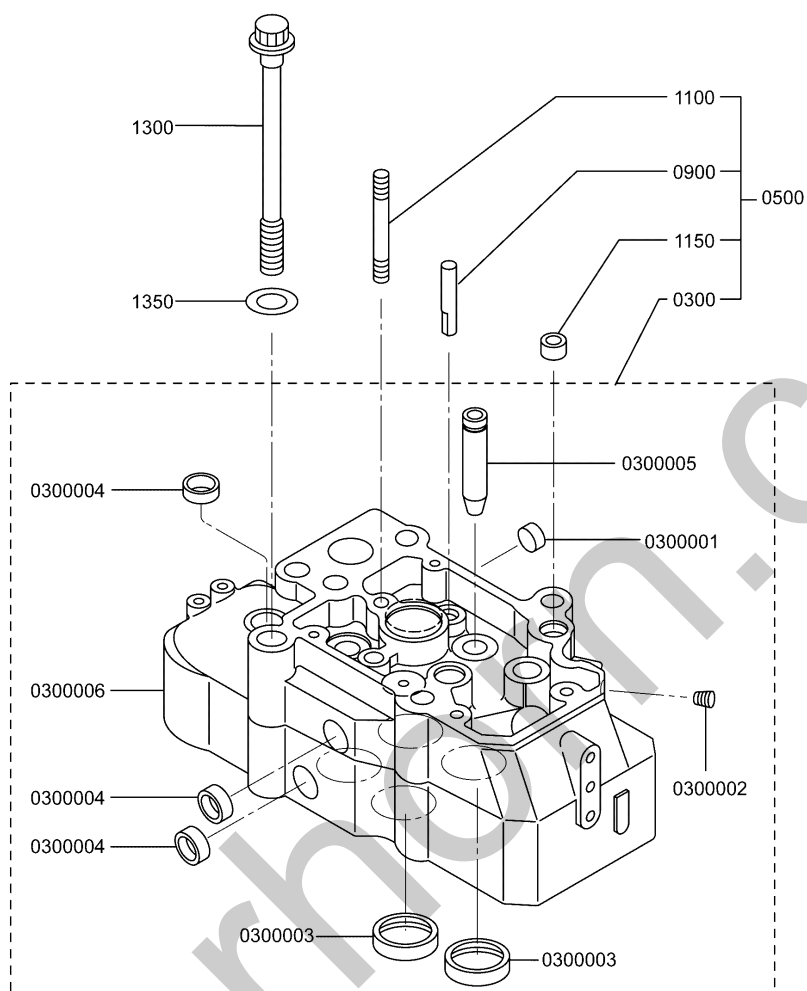
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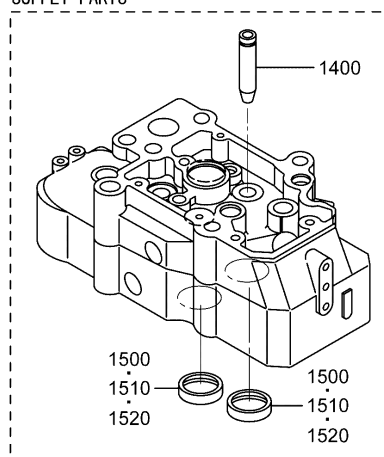
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P3780-010

CYLINDER HEAD



SUPPLY PARTS



P3780-010

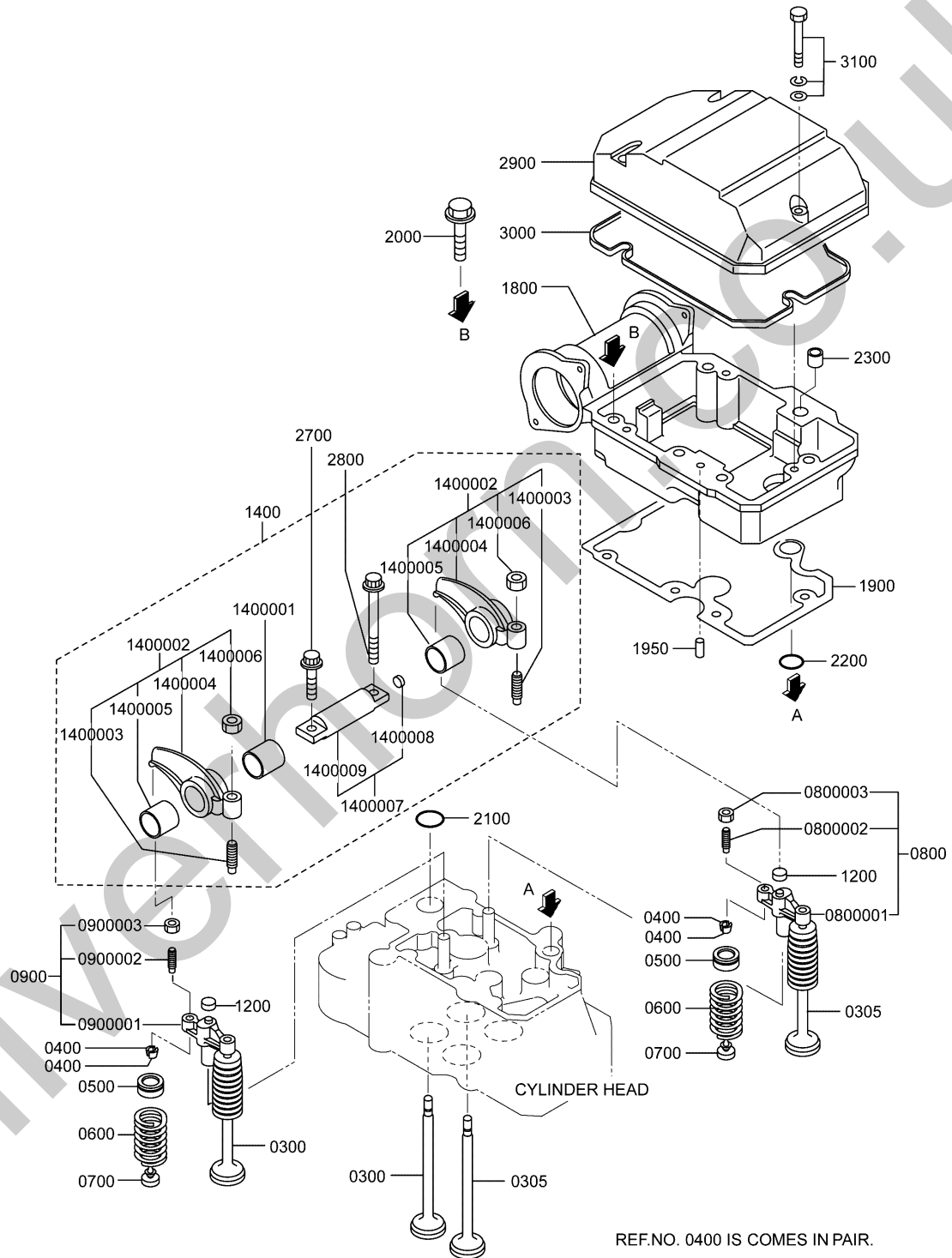
CYLINDER HEAD

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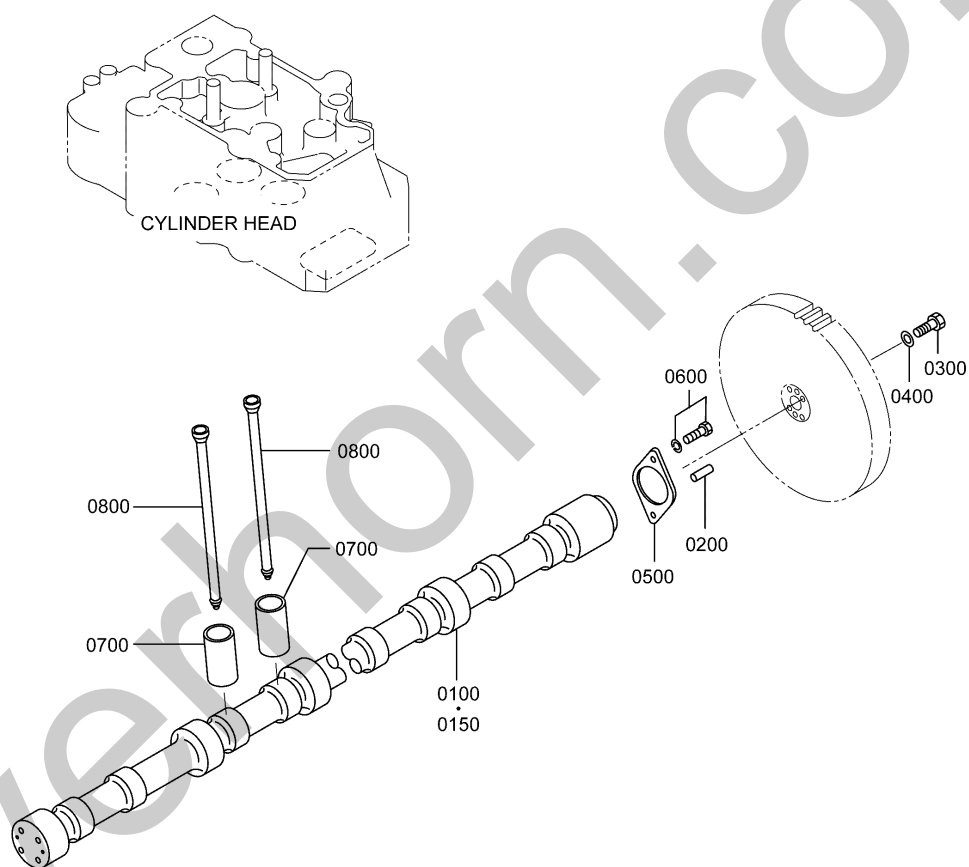
REF. NO.	PART NO.	PART NAME & DESCRIPTION		MODEL & QTY		
				PTA-S		
0300	*	HEAD SUB ASSY, CYLINDER		16		
0300001	04826-22500	CAP, SEALING		16		
0300002	04826-22800	CAP, SEALING		112		
0300003	04827-71000	PLUG, TAPERED		16		
0300004	*	GUIDE, VALVE	SEMIFINISHED	64		
0300005	*	SEAT	SEMIFINISHED	64		
0300006	*	HEAD, CYLINDER		16		
0500	37501-80050	HEAD ASSY, CYLINDER		16		
0900	33501-13400	GUIDE		32		
1100	37501-11401	STUD, NOZZLE GLAND		16		
1150	37501-01501	PIN, DOWEL		16		
1200	37501-12200	GASKET, CYLINDER HEAD		16		
1300	37501-12501	BOLT, CYLLINDER HEAD		96		
1350	33707-11701	WASHER		96		
1400	37101-10600	GUIDE, VALVE	FINISHED	64		
1500	37501-13100	SEAT, VALVE	FINISHED	64		
1510	37501-14200	SEAT, VALVE	FINISHED 0. S 0. 03	AR		
1520	37501-14300	SEAT, VALVE	FINISHED 0. S 0. 06	AR		

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REF. NO.	PART NO.	PART NAME & DESCRIPTION	MODEL & QTY		
			PTA-S		
0300	37504-03801	VALVE, INLET	32		
0305	37504-40200	VALVE, EXHAUST	32		
0400	32504-00400	COTTER	128		
0500	37504-00300	ROTATOR	64		
0600	37504-10400	SPRING, VALVE	64		
0700	33504-10300	SEAL, VALVE STEM	64		
0800	*	BRIDGE ASSY, EXHAUST	16		
0800001	37504-03400	BRIDGE, EXHAUST	16		
0800002	37704-03300	SCREW, ADJUSTING	16		
0800003	F2305-10000	NUT	16		
0900	*	BRIDGE ASSY, INLET	16		
0900001	37504-03500	BRIDGE, INLET	16		
0900002	37704-03300	SCREW, ADJUSTING	16		
0900003	F2305-10000	NUT	16		
1200	30004-24302	CAP	32		
1400	*	ROCKER & SHAFT ASSY	16		
1400001	37504-04300	SPACER, ROCKER	16		
1400002	37504-22021	ROCKER ASSY	32		
1400003	37104-02800	SCREW, ADJUSTING	32		
1400004	*	ARM, ROCKER	32		
1400005	37504-32500	BUSHING, ROCKER	32		
1400006	F2305-12000	NUT	32		
1400007	37504-54012	SHAFT ASSY, ROCKER	16		
1400008	04826-21000	CAP, SEALING	16		
1400009	*	SHAFT, ROCKER	16		
1800	37504-51102	CASE, ROCKER	16		
1900	37504-31200	PACKING, ROCKER CASE	16		
1950	F2846-06000	PIN, DOWEL	16		
2000	MC802397	BOLT, DIFF CASE	80		
2100	37504-02300	O-RING	16		
2200	05507-10200	O-RING	16		
2300	37501-01501	PIN, DOWEL	16		
2700	MH000854	BOLT, FLANGE	16		
2800	37504-14600	BOLT	16		
2900	37504-26102	COVER, ROCKER	16		
3000	37504-66200	O-RING, ROCKER COVER	16		
3100	F1825-10065	BOLT, W/WASHER	47		



P3780-050

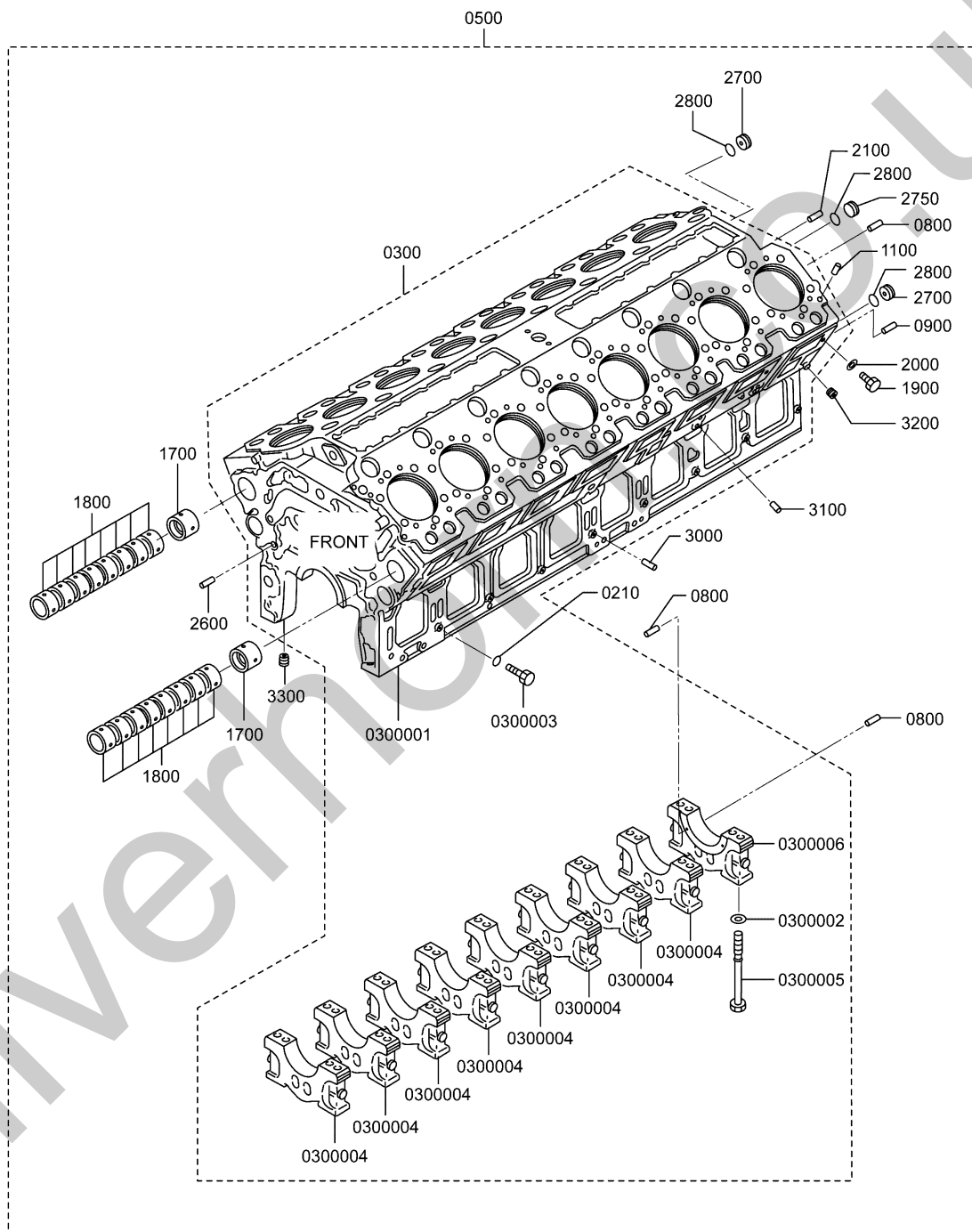
CAMSHAFT TAPPET

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REF. NO.	PART NO.	PART NAME & DESCRIPTION		MODEL & QTY		
				PTA-S		
0100	37805-01101	CAMSHAFT	R. H	1		
0150	37805-01201	CAMSHAFT	L. H	1		
0200	F2846-12000	PIN, DOWEL		4		
0300	37525-09600	BOLT		8		
0400	37525-07901	WASHER		8		
0500	37505-10800	PLATE, CAM THRUST		2		
0600	F1805-12030	BOLT, W/WASHER	B/W	4		
0700	37505-31100	TAPPET		32		
0800	37505-13100	ROD, PUSH		32		

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P3780-070-01

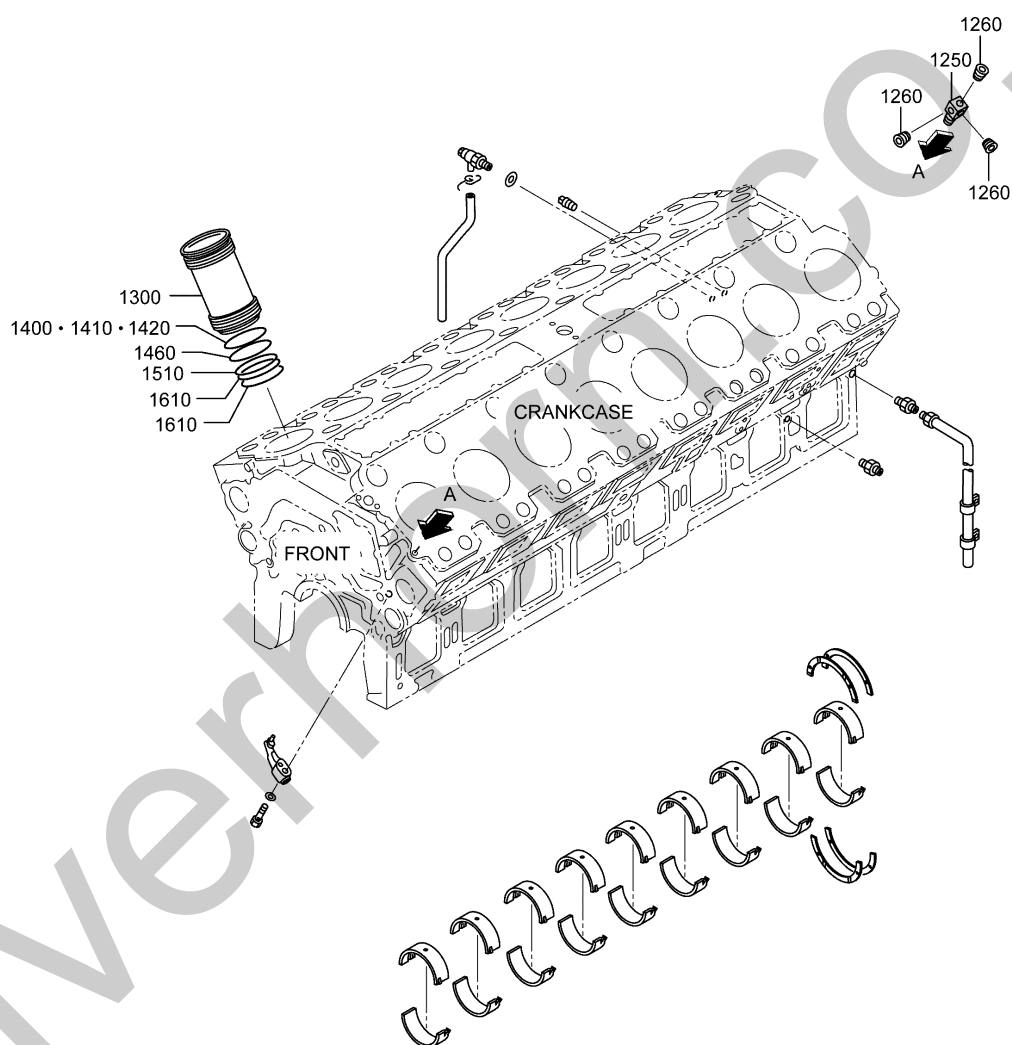
CYLINDER CRANKCASE (ASSY)

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REF. NO.	PART NO.	PART NAME & DESCRIPTION		MODEL & QTY		
				PTA-S		
0210	05507-10220	O-RING		18		
0300	*	CRANKCASE SUB ASSY		1		
0300001	*	CRANKCASE, CYLINDER		1		
0300002	32507-01400	WASHER		36		
0300003	37707-01701	BOLT, CAP SIDE		18		
0300004	*	CAP, BEARING		8		
0300005	37707-11801	BOLT, BEARING CAP		36		
0300006	*	CAP, BEARING	REAR	1		
0500	37807-90013	CRANKCASE ASSY, CYLINDER		1		
0800	37707-01900	PIN, DOWEL		6		
0900	F2846-08000	PIN, DOWEL		2		
1100	37807-02600	PIN, DOWEL		32		
1700	37707-03101	BUSHING, CAMSHFT		2		
1800	37707-03201	BUSHING, CAMSHFT		16		
1900	37507-03901	BOLT, SET		18		
2000	05946-01201	WASHER, SEALING		18		
2100	32307-02500	PIN, DOWEL		2		
2600	32307-02500	PIN, DOWEL		2		
2700	37507-00703	PLATE, NOZZLE		2		
2750	32607-10700	PLUG		1		
2800	05507-10340	O-RING		3		
3000	F2846-20000	PIN, DOWEL		8		
3100	F2846-12000	PIN, DOWEL		4		
3200	04827-71300	PLUG, TAPERED	REAR	2		
3300	04827-71300	PLUG, TAPERED	FRONT	1		

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P3780-070-02

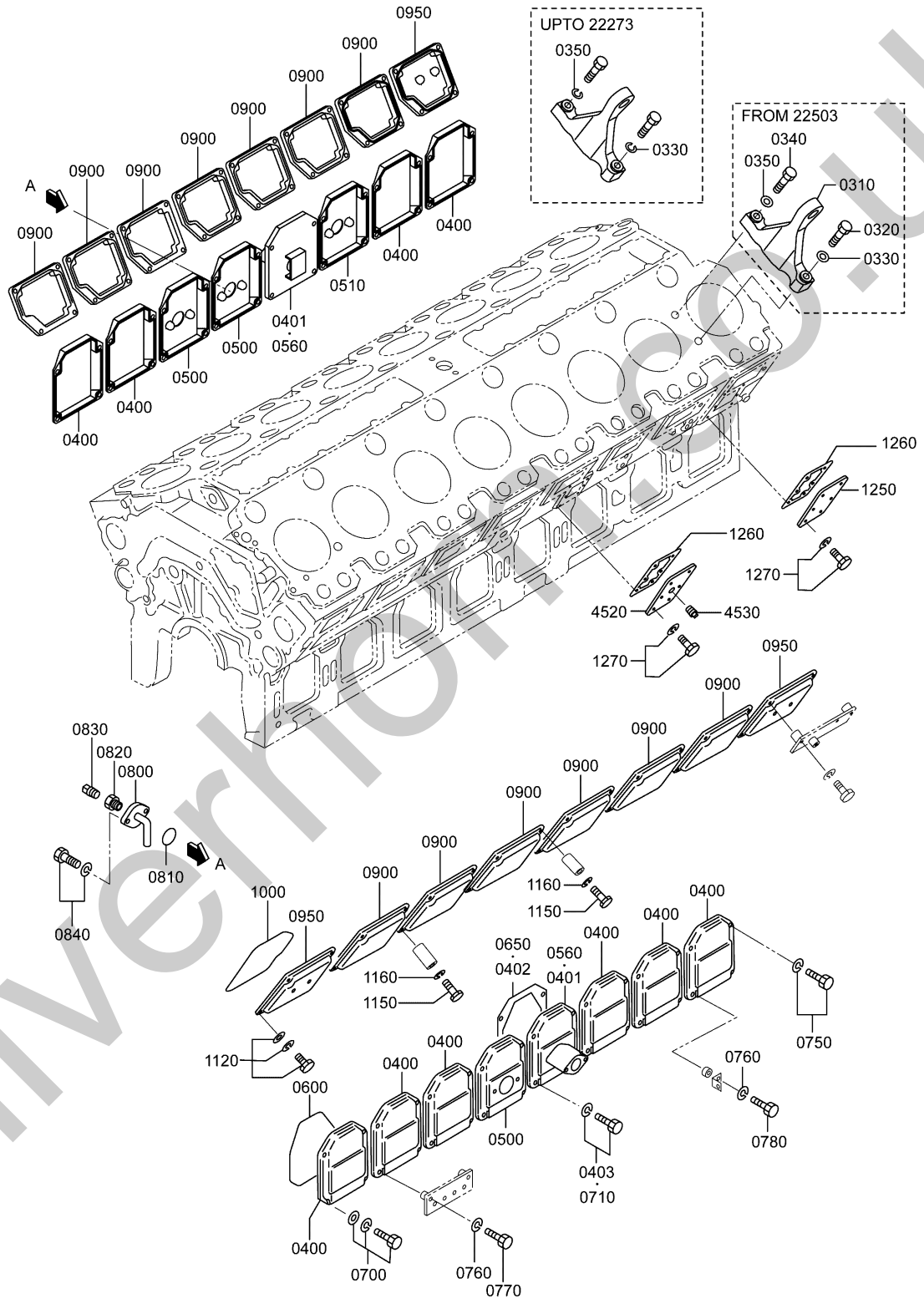
CYLINDER CRANKCASE (LINER)

- 11-

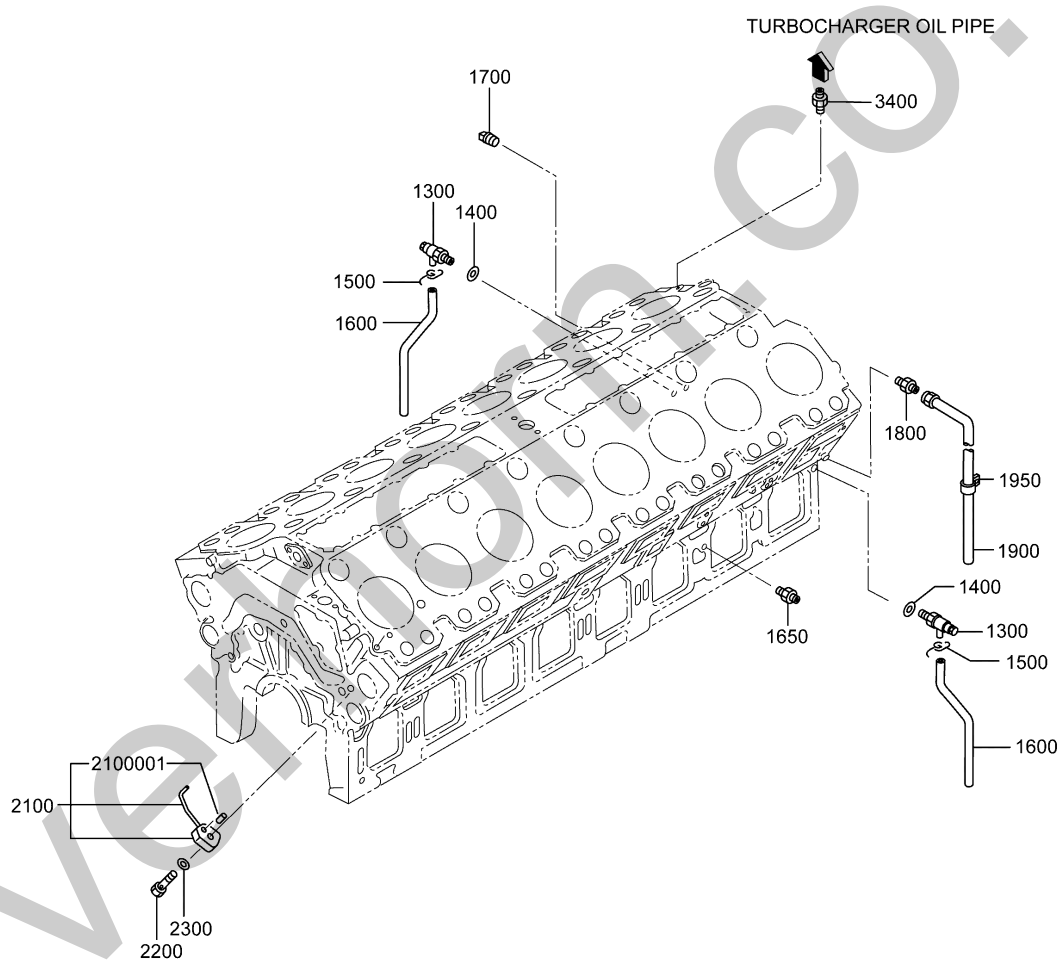
REF. NO.	PART NO.	PART NAME & DESCRIPTION		MODEL & QTY		
				PTA-S		
1250	37736-19300	CONNECTOR		1		
1260	F5006-10000	PLUG, TAPERED		3		
1300	37507-82600	LINER, CYLINDER		16		
1400	37507-12500	RING, LINER	T=0. 10	AR		
1410	37507-12510	RING, LINER	T=0. 05	AR		
1420	37507-12520	RING, LINER	T=0. 15	AR		
1460	37507-13300	O-RING, UPPER		16		
1510	37507-03400	O-RING, LINER		16		
1610	37507-13500	O-RING, OIL		32		

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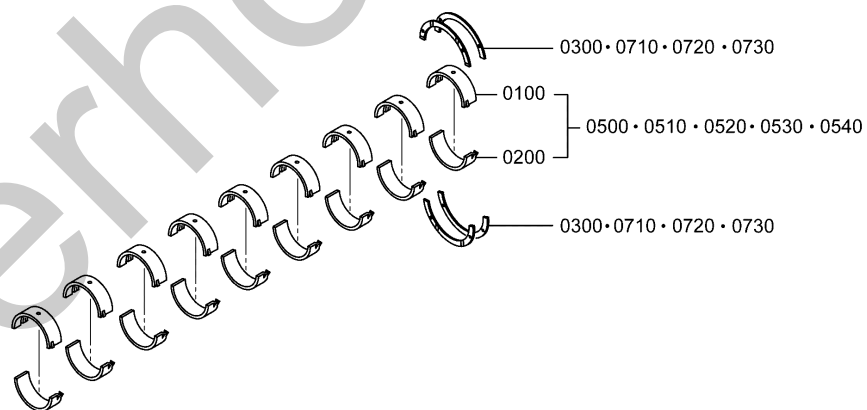
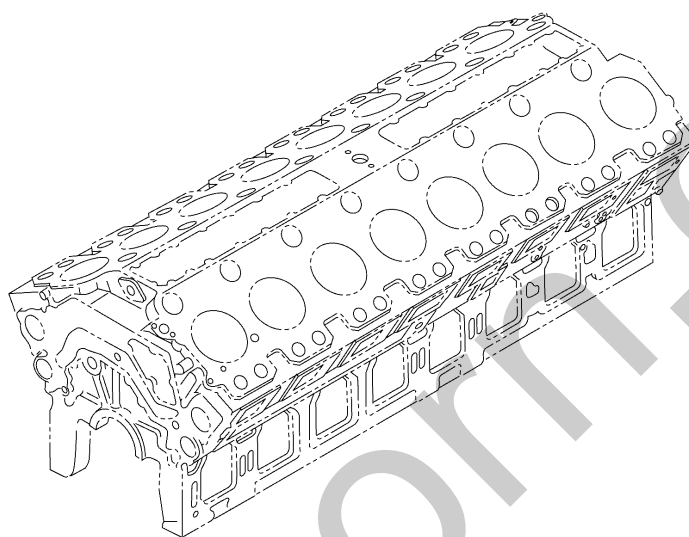
000003-02



REF. NO.	PART NO.	PART NAME & DESCRIPTION		MODEL & QTY		
				PTA-S		
0310	37N07-00900	HANGER		4		
0320	F1035-20075	BOLT		4		
0330	F2515-20000	WASHER, SPRING	UPTO 22273	4		
	33401-02600	WASHER	FROM 22503	4		
0340	F1035-16055	BOLT		4		
0350	F2515-16000	WASHER, SPRING	UPTO 22273	4		
	31201-71800	WASHER	FROM 22503	4		
0400	37507-27101	COVER, SIDE		10		
0401	37807-07301	COVER, SIDE	UPTO 22932	2		
0402	37707-17200	PACKING, SIDE COVER	UPTO 22932	2		
0403	F1805-12030	BOLT, W/WASHER	UPTO 22932, B/W	8		
0500	37507-27201	COVER, SIDE		3		
0510	37807-17201	COVER, SIDE GAGE		1		
0560	37807-07302	COVER, SIDE	FROM 22933	2		
0600	37507-16401	O-RING, SIDE COVER		14		
0650	37707-17200	COVER, SIDE	FROM 22933	2		
0700	F1825-12030	BOLT, W/WASHER	UPTO 22905, B/W	56		
	F1805-12030	BOLT, W/WASHER	FROM 22906, B/W	48		
0710	F1805-12030	BOLT, W/WASHER	FROM 22933, B/W	2		
0750	F1805-12050	BOLT, W/WASHER	B/W	2		
0760	F2515-12000	WASHER, SPRING		6		
0770	F1035-12075	BOLT		4		
0780	F1035-12065	BOLT		2		
0800	47510-51700	CONNECTOR		1		
0810	05507-20550	O-RING		1		
0820	64393-46700	CONNECTOR		1		
0830	F5006-10000	PLUG, TAPERED		1		
0840	F1805-10025	BOLT, W/WASHER	B/W	2		
0900	37507-37400	COVER, CAM ROOM		13		
0950	37507-37800	COVER, CAM ROOM		3		
1000	37507-16501	O-RING, CAM ROOM		16		
1120	F1825-12025	BOLT, W/WASHER	B/W	60		
1150	F1035-12065	BOLT		4		
1160	F2515-12000	WASHER, SPRING		4		
1250	37807-06101	COVER		3		
1260	37807-16200	PACKING		4		
1270	F1805-12025	BOLT, W/WASHER	B/W	24		
4520	47525-68702	COVER		1		
4530	F5006-33000	PLUG, TAPERED		1		



REF. NO.	PART NO.	PART NAME & DESCRIPTION	MODEL & QTY		
			PTA-S		
1300	33407-16100	COCK, WATER DRAIN	2		
1400	05946-02001	WASHER, SEALING	2		
1500	30007-05500	CLAMP	2		
1600	32645-06200	PIPE, DRAIN	2		
1650	F4540-10000	CONNECTOR	2		
1700	F5006-10000	PLUG, TAPERED	1		
1800	F4540-06300	CONNECTOR	1		
1900	45954-30050	PIPE, OIL	1		
1950	05317-41800	CLIP	1		
2100	37707-20400	NOZZLE ASSY	16		
2100001	F2846-06000	PIN, DOWEL	16		
2200	36207-58901	VALVE, CHECK	16		
2300	36207-08900	SPRING, CONICAL DISK	16		
3400	F4540-12000	CONNECTOR	1		



P3780-090

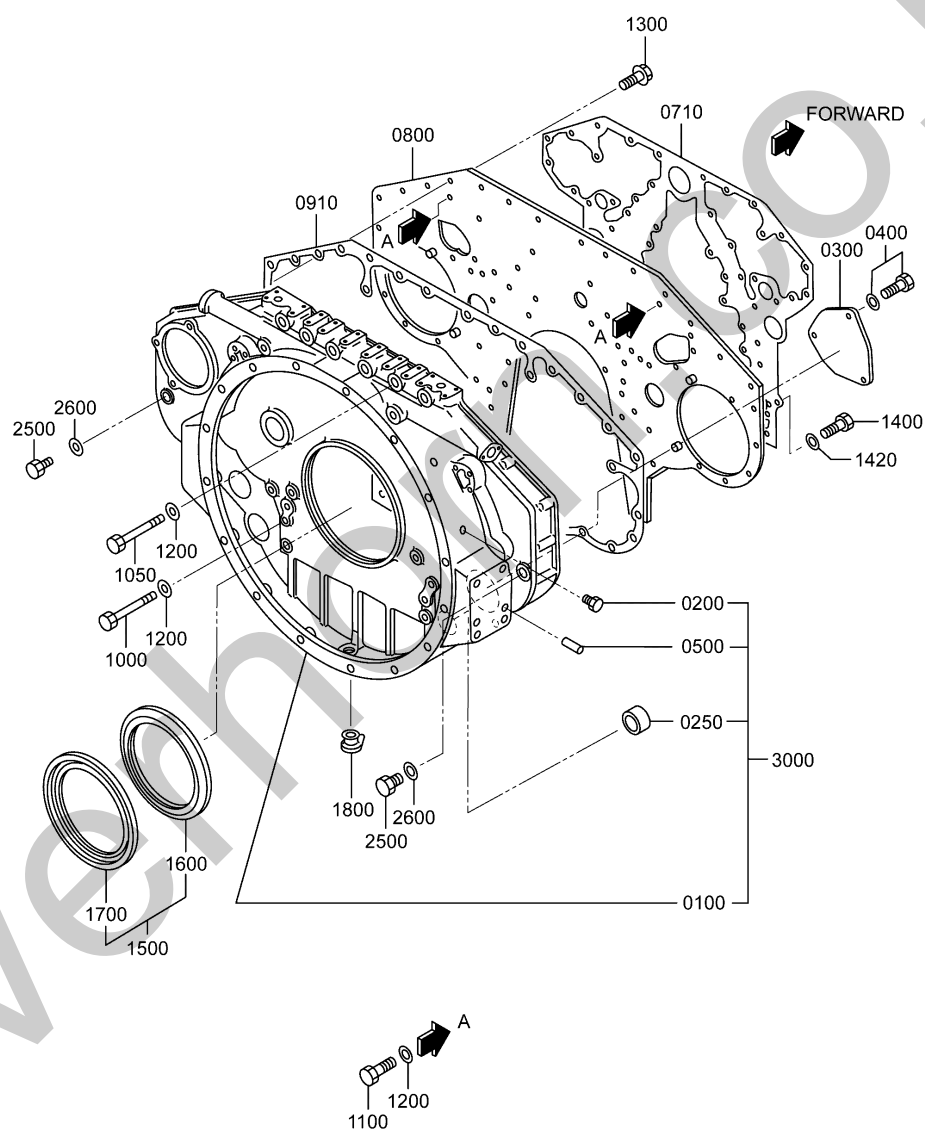
MAIN BEARING

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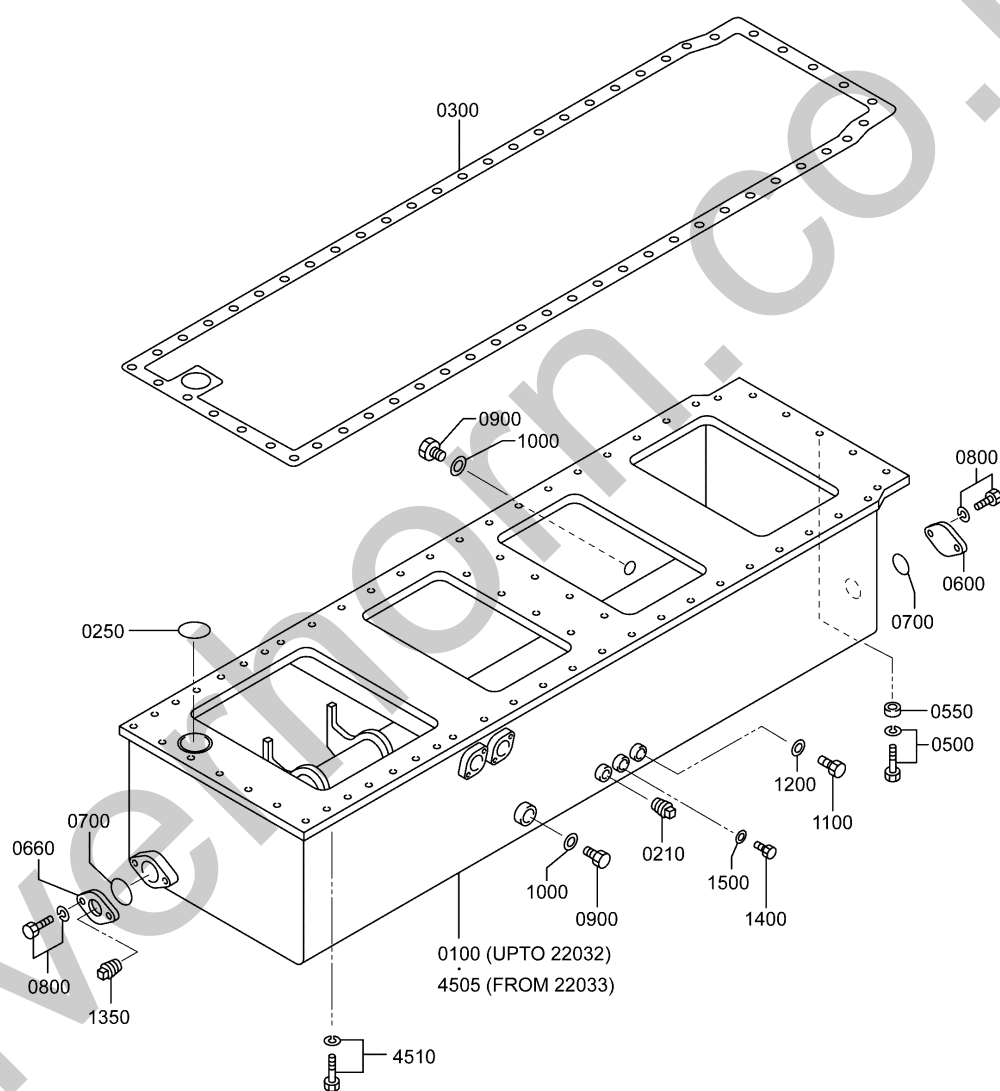
REF. NO.	PART NO.	PART NAME & DESCRIPTION		MODEL & QTY		
				PTA-S		
0100	*	BEARING, MAIN	UPPER	9		
0200	*	BEARING, MAIN	LOWER	9		
0300	37709-28100	BEARING, THRUST	STD	4		
0500	37709-12010	BEARING SET	STD	9		
0510	37709-12020	BEARING SET	U. S 0. 25	9		
0520	37709-12030	BEARING SET	U. S 0. 50	9		
0530	37709-12040	BEARING SET	U. S 0. 75	9		
0540	37709-12050	BEARING SET	U. S 1. 00	9		
0710	37709-28200	BEARING, THRUST	O. S 0. 25	4		
0720	37709-28300	BEARING, THRUST	O. S 0. 50	4		
0730	37709-28400	BEARING, THRUST	O. S 0. 75	4		

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000003-02



REF. NO.	PART NO.	PART NAME & DESCRIPTION		MODEL & QTY		
				PTA-S		
0100	*	CASE, TIMING GEAR		1		
0200	37411-02300	PLUG		1		
0250	05660-05030	BUSHING		1		
0300	37766-03200	COVER		1		
0400	F1805-12020	BOLT, W/WASHER	B/W	3		
0500	F2846-18000	PIN, DOWEL		4		
0710	37711-01100	PACKING, REAR		1		
0800	37711-45300	PLATE, REAR		1		
0910	37711-01200	PACKING, REAR		1		
1000	05978-16155	BOLT		10		
1050	05978-16115	BOLT		6		
1100	F1035-16030	BOLT		2		
1200	31201-71800	WASHER		18		
1300	37711-05900	BOLT, FLANGE		34		
1400	F1035-12025	BOLT		10		
1420	37525-07901	WASHER		10		
1500	*	SEAL ASSY, OIL	REAR	1		
1600	37411-04200	SLINGER		1		
1700	37711-04300	SEAL, OIL		1		
1800	37511-09100	PLUG		1		
2500	F5000-20000	PLUG, DRAIN		2		
2600	05946-02001	WASHER, SEALING		2		
3000	37711-06032	CASE ASSY, TIMING GEAR		1		



P3780-130

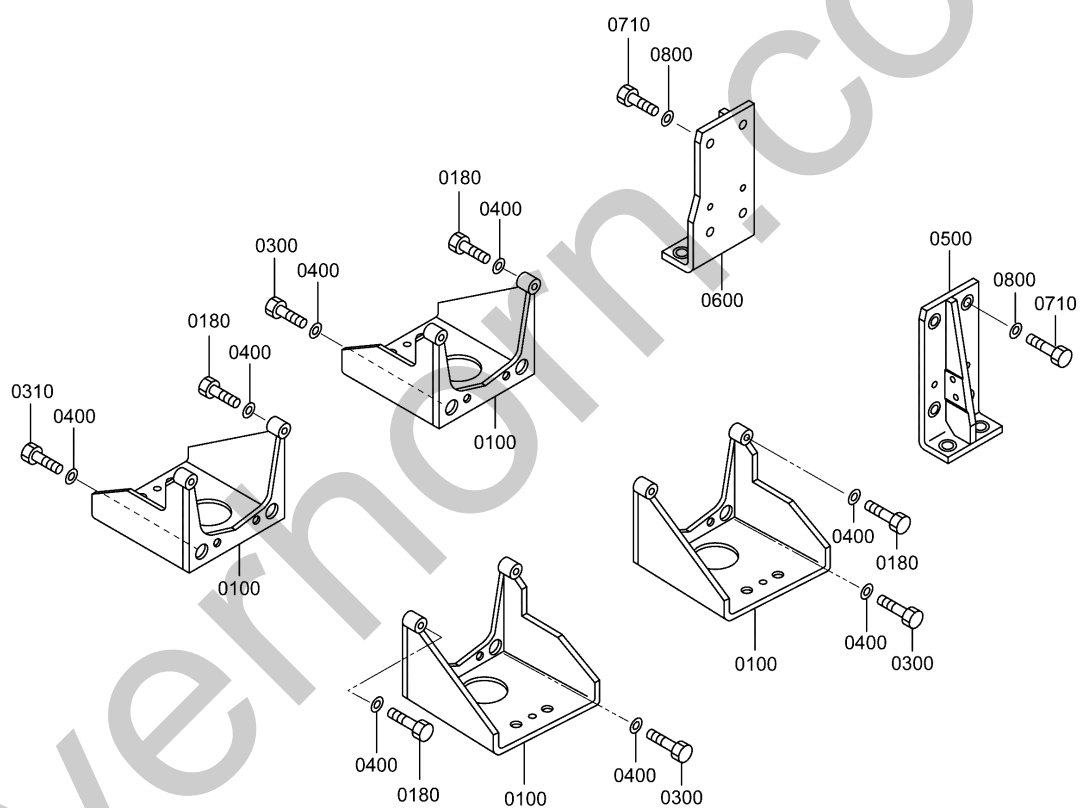
OIL PAN

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REF. NO.	PART NO.	PART NAME & DESCRIPTION		MODEL & QTY		
				PTA-S		
0100	37898-06410	PAN, OIL	UPTO 22032	1		
0210	F5006-21000	PLUG, TAPERED		1		
0250	05507-20800	O-RING		1		
0300	37813-10200	PACKING, OIL PAN		1		
0500	F1805-12050	BOLT, W/WASHER	B/W	6		
0550	56C95-14900	COLLAR	UPTO 22032	6		
0600	33546-06900	COVER		1		
0660	45735-52300	FLANGE		1		
0700	05507-20600	O-RING		2		
0800	F1805-12025	BOLT, W/WASHER	B/W	4		
0900	F5000-36000	PLUG, DRAIN		2		
1000	05946-03601	WASHER, SEALING		2		
1100	F5000-20000	PLUG, DRAIN		1		
1200	05946-02001	WASHER, SEALING		1		
1350	F5006-33000	PLUG, TAPERED		1		
1400	F5000-16000	PLUG, DRAIN		1		
1500	05946-01601	WASHER, SEALING		1		
4505	37813-02600	PAN, OIL	FROM 22033	1		
4510	F1805-12045	BOLT, W/WASHER	B/W	60		

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P3780-140

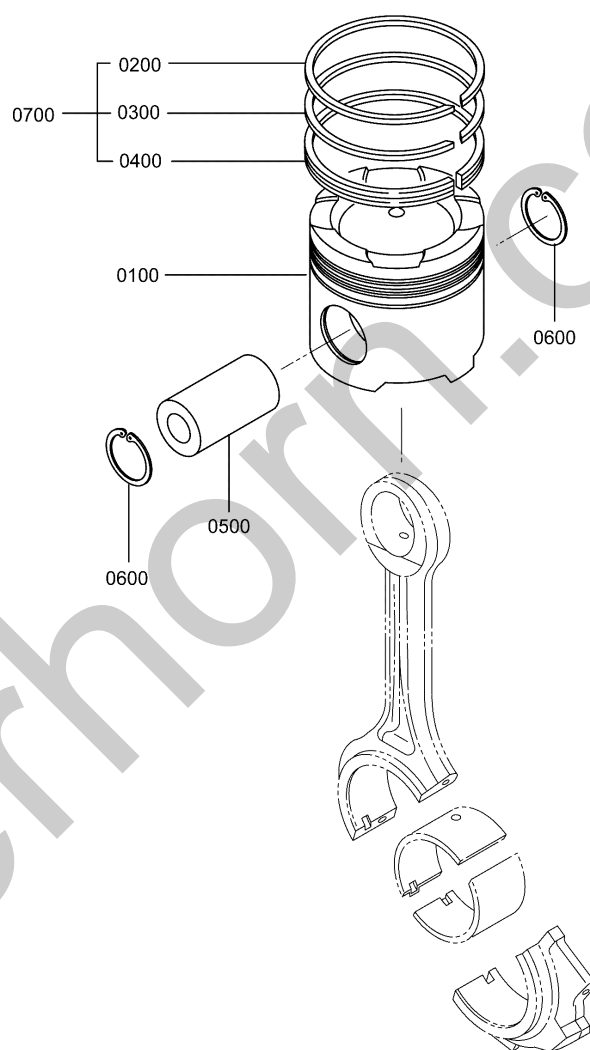
ENGINE MOUNTING

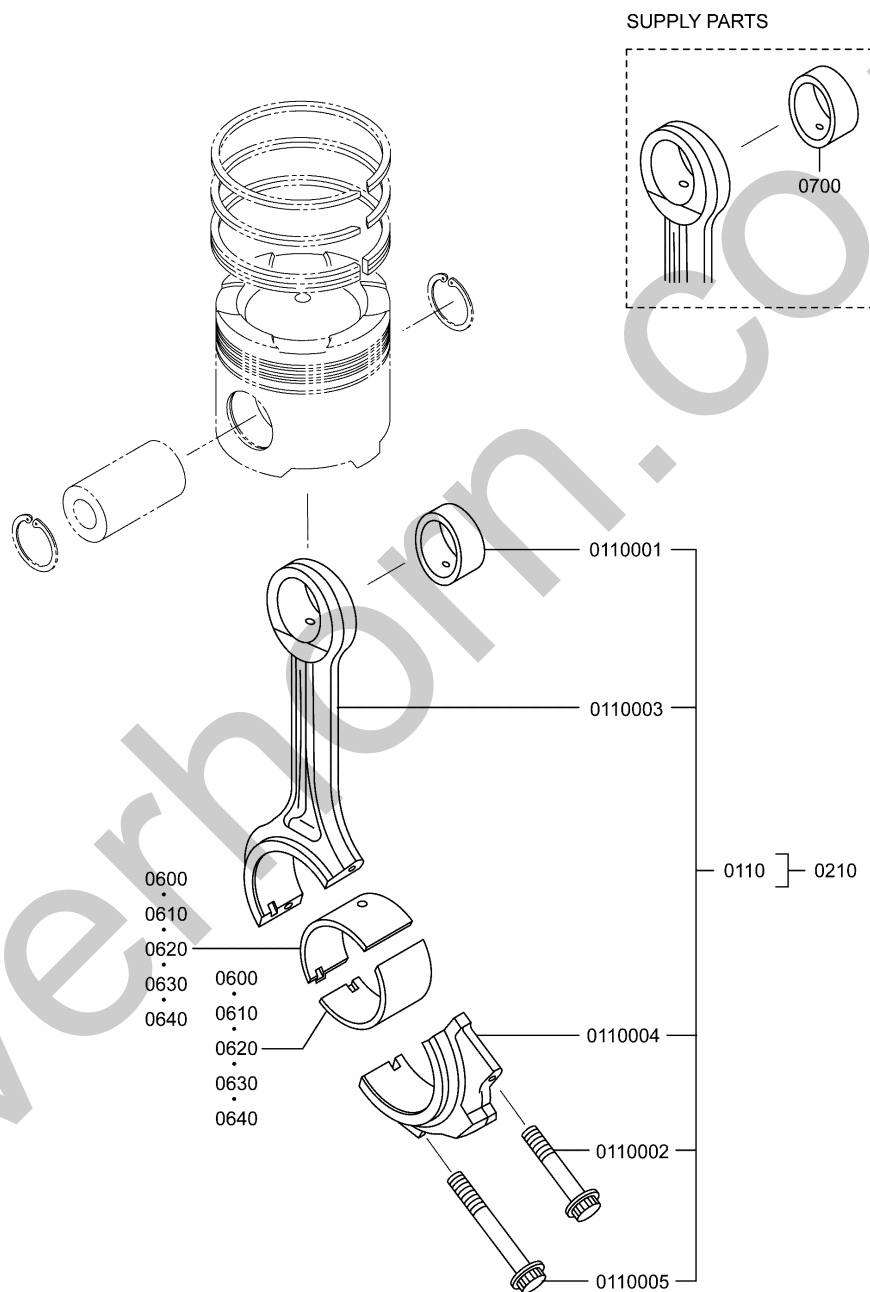
- 23-

REF. NO.	PART NO.	PART NAME & DESCRIPTION		MODEL & QTY		
				PTA-S		
0100	37714-20100	BRACKET, MOUNTING		4		
0180	F1035-20075	BOLT		8		
0300	F1035-20050	BOLT		7		
0310	F1035-20035	BOLT		1		
0400	33401-02600	WASHER		16		
0500	37714-42100	BRACKET, MOUNTING	REAR L. H	1		
0600	37714-32200	BRACKET, MOUNTING	REAR R. H	1		
0710	F1035-20045	BOLT		8		
0800	33401-02600	WASHER		8		

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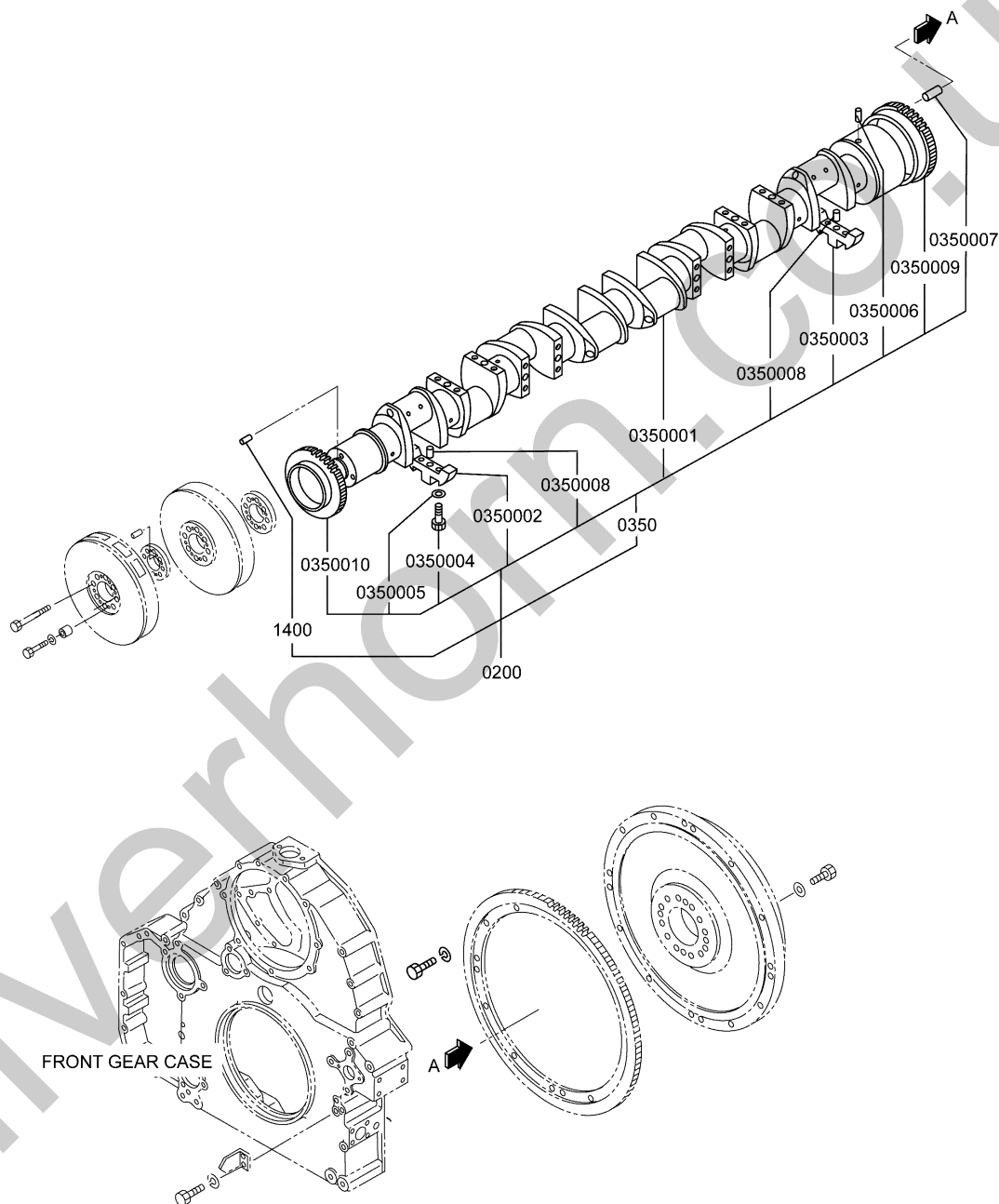
CONNECTING ROD

- 27-

REF. NO.	PART NO.	PART NAME & DESCRIPTION		MODEL & QTY		
				PTA-S		
0110	*	ROD ASSY, CONNECTING	BEFORE WEIGHT ADJUST	16		
0110001	*	BUSHING, CON-ROD		16		
0110002	37519-20301	BOLT, CONNECTING ROD		32		
0110003	*	ROD, CONNECTING		16		
0110004	*	CAP, CONNECTING ROD		16		
0110005	37519-11401	BOLT, CONNECTING ROD		16		
0210	37719-32021	ROD ASSY, CONNECTING	RANK M: 15. 42KG	16		
0600	37519-13100	BEARING, CON-ROD	STD	32		
0610	37519-13200	BEARING, CON-ROD	U. S 0. 25	32		
0620	37519-13300	BEARING, CON-ROD	U. S 0. 50	32		
0630	37519-13400	BEARING, CON-ROD	U. S 0. 75	32		
0640	37519-13500	BEARING, CON-ROD	U. S 1. 00	32		
0700	37519-10600	BUSHING, CON-ROD	FINISHED	16		

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P3780-200

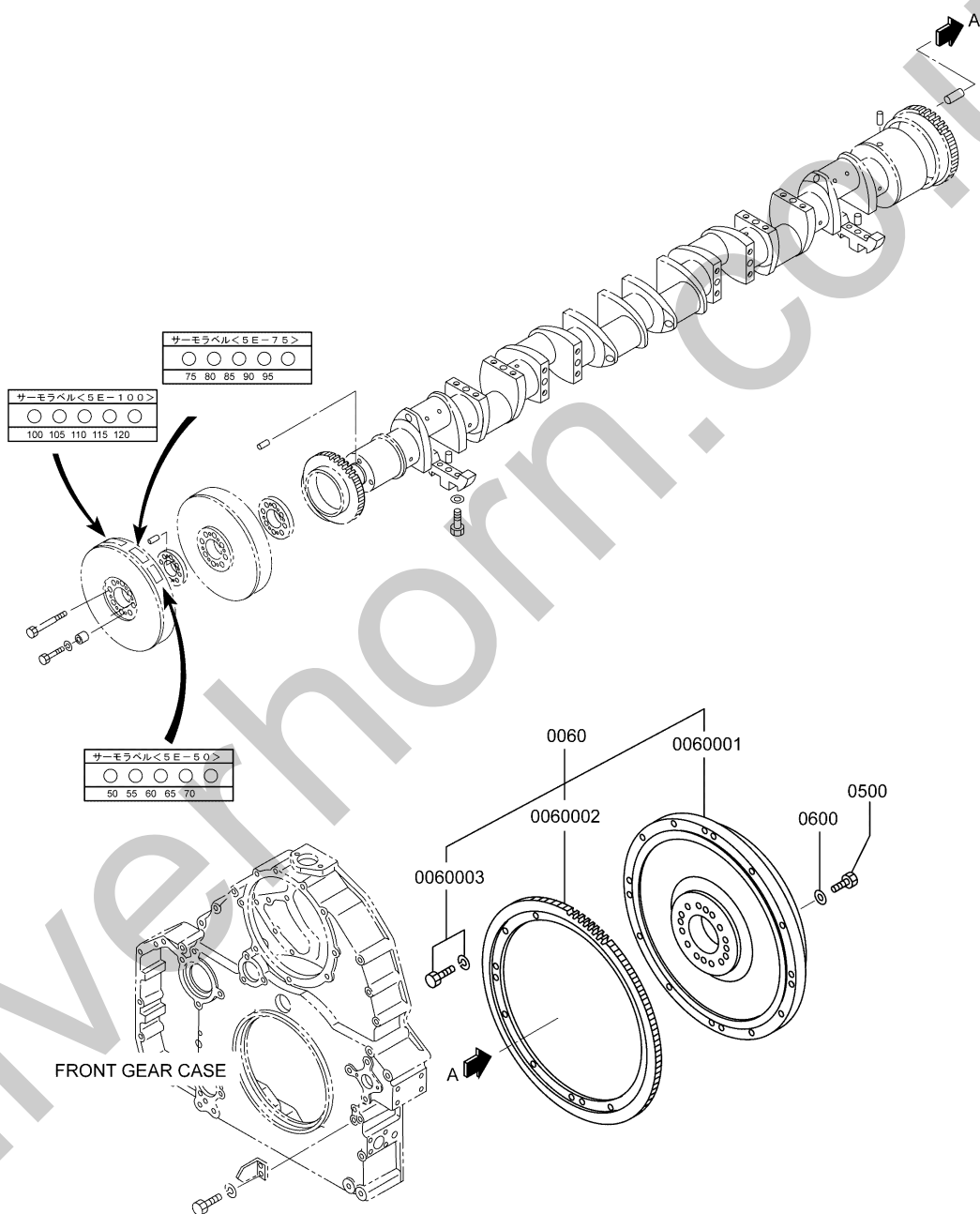
CRANKSHAFT

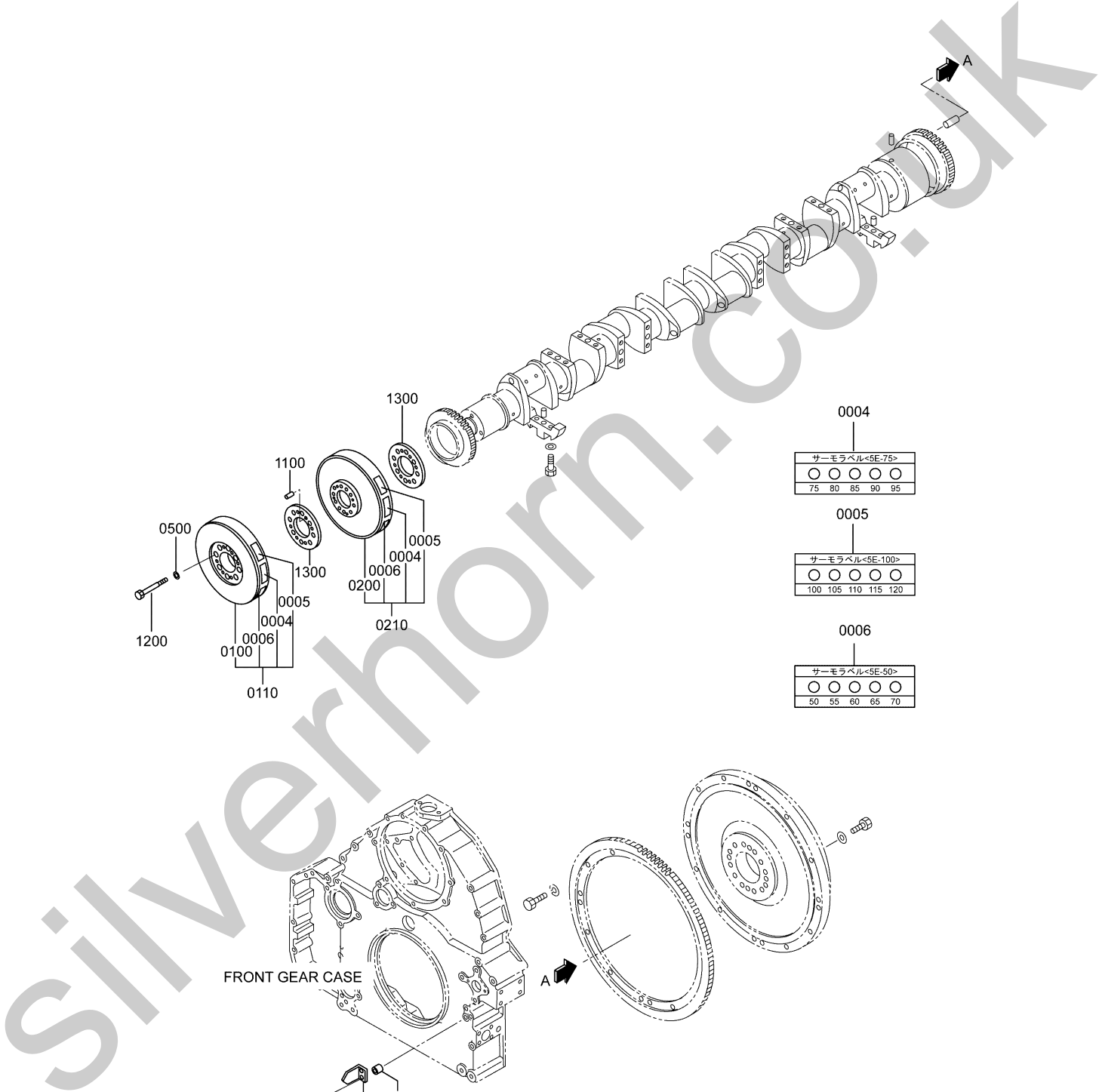
- 29-

REF. NO.	PART NO.	PART NAME & DESCRIPTION		MODEL & QTY		
				PTA-S		
0200	37820-13011	CRANKSHAFT ASSY		1		
0350	*	CRANKSHAFT SUB ASSY		1		
0350001	*	CRANKSHAFT		1		
0350002	*	WEIGHT		15		
0350003	*	WEIGHT		1		
0350004	37820-04301	BOLT		32		
0350005	37820-04401	WASHER		32		
0350006	37820-04501	PIN, DOWEL		1		
0350007	37820-04600	PIN, DOWEL		2		
0350008	37820-04701	PIN, DOWEL		16		
0350009	37823-05100	GEAR, REAR	Z=75	1		
0350010	37825-02100	GEAR, FRONT	Z=75	1		
1400	37820-00500	PIN, DOWEL		2		

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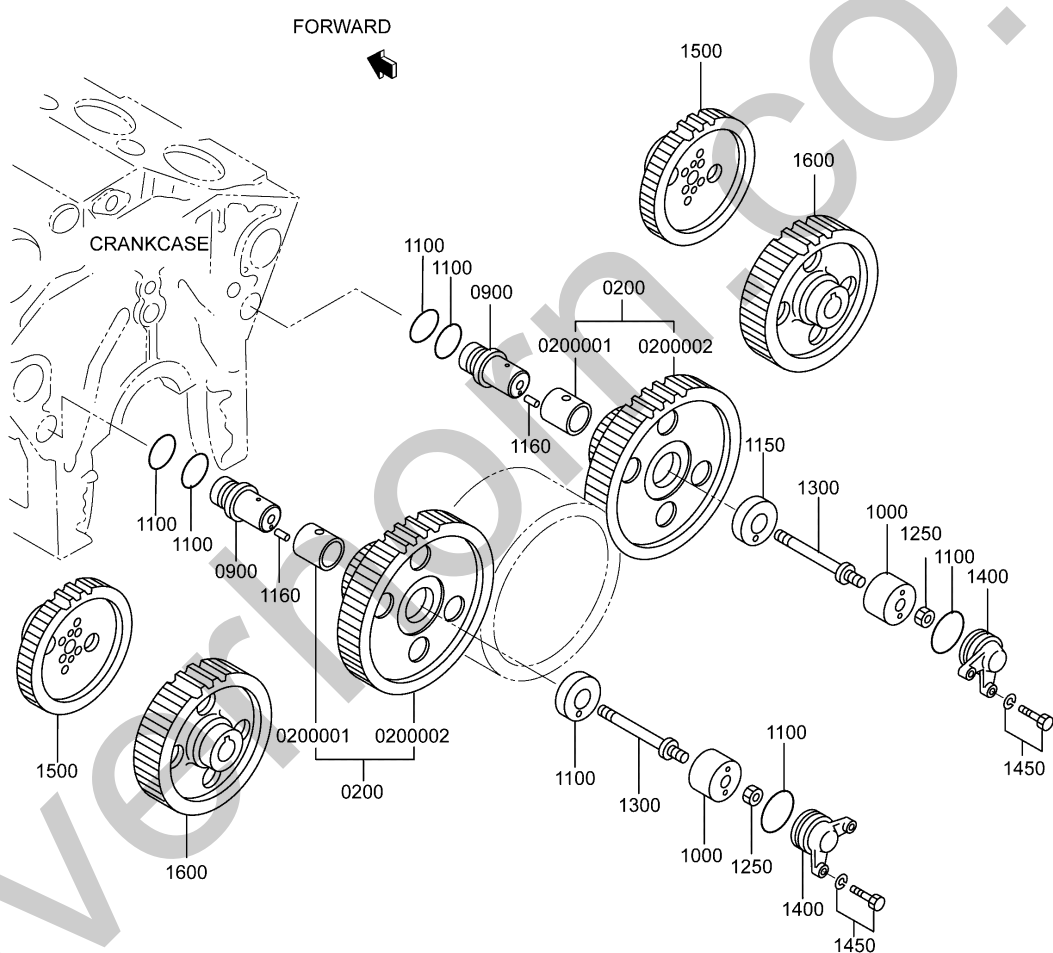
DAMPER

- 33-

REF. NO.	PART NO.	PART NAME & DESCRIPTION		MODEL & QTY		
				PTA-S		
0004	32522-04111	LABEL, THERMO	75°C TO 95°C	2		
0005	32522-04211	LABEL, THERMO	100°C TO 120°C	2		
0006	32522-04311	LABEL, THERMO	50°C TO 70°C	2		
0100	37822-21100	DAMPER, HASSE	FRONT	1		
0110	37822-02010	DAMPER KIT, FRONT		1		
0200	37722-11200	DAMPER, HASSE	REAR	1		
0210	37722-02020	DAMPER KIT, REAR		1		
0500	33707-11701	WASHER		8		
0600	37722-10800	POINTER		1		
0800	F1035-12060	BOLT		2		
0900	F2515-12000	WASHER, SPRING		2		
1000	45713-62200	BOSS		2		
1100	F2846-20000	PIN, DOWEL		2		
1200	F1035-22130	BOLT		8		
1300	37722-10502	SPACER, DAMPER		2		

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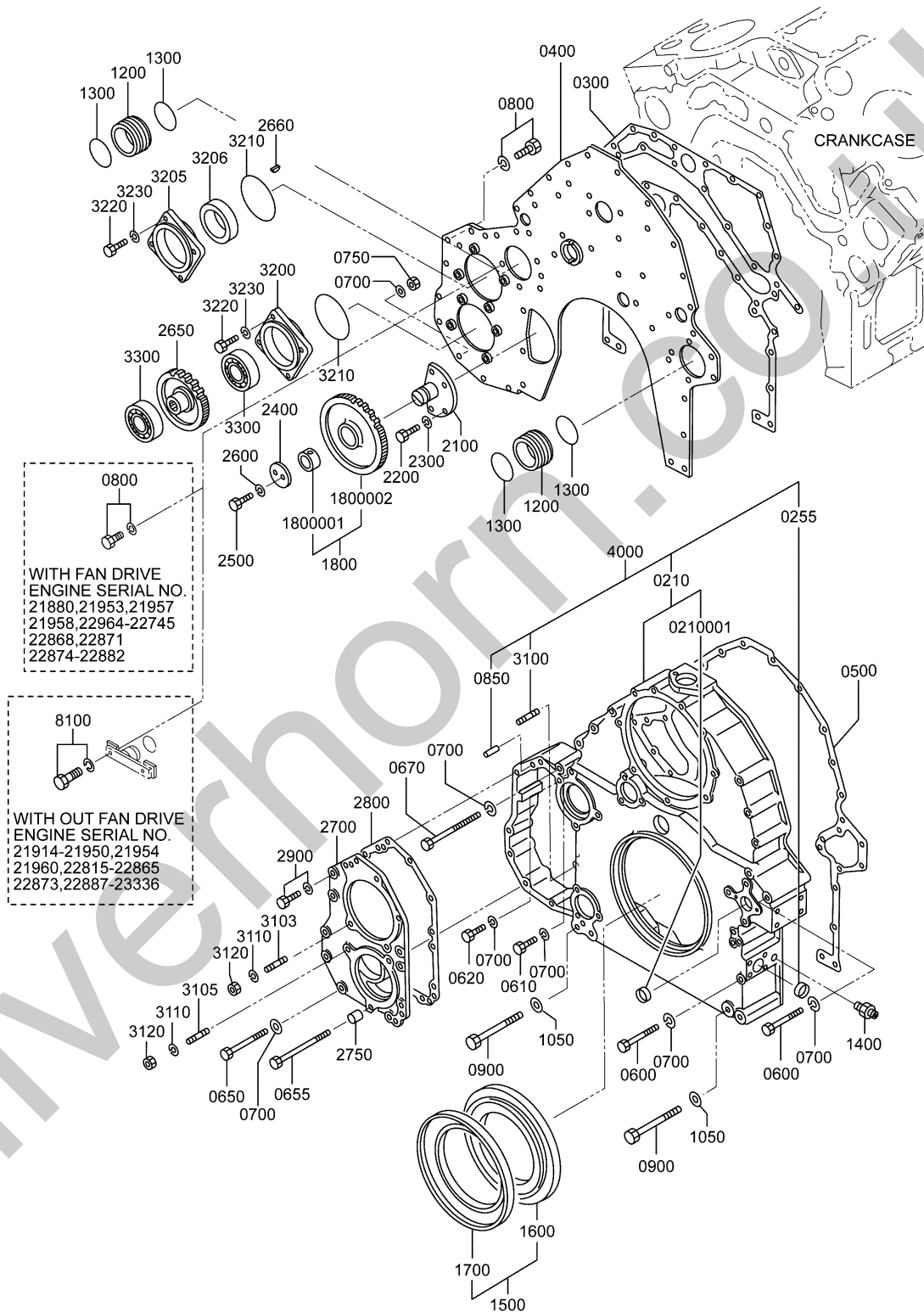
000003-02



REF. NO.	PART NO.	PART NAME & DESCRIPTION		MODEL & QTY		
				PTA-S		
0200	37723-03032	GEAR ASSY, IDLER	Z=32 & 80	2		
0200001	*	BUSHING, IDLER GEAR		2		
0200002	*	GEAR, IDLER		2		
0900	37823-03600	SHAFT, IDLER		2		
1000	37723-04601	COLLAR		2		
1100	05507-20600	O-RING		6		
1150	37823-03801	PLATE, THRUST		2		
1160	F2846-08000	PIN, DOWEL		2		
1250	37723-14400	NUT, IDLER COLLAR		2		
1300	37723-14701	BOLT, IDLER		2		
1400	37723-04900	COVER		2		
1450	F1805-12030	BOLT, W/WASHER	B/W	4		
1500	37723-11102	GEAR, CAMSHAFT	Z=60	2		
1600	37723-12100	GEAR, INJECTION PUMP	Z=60	2		

P3780-250

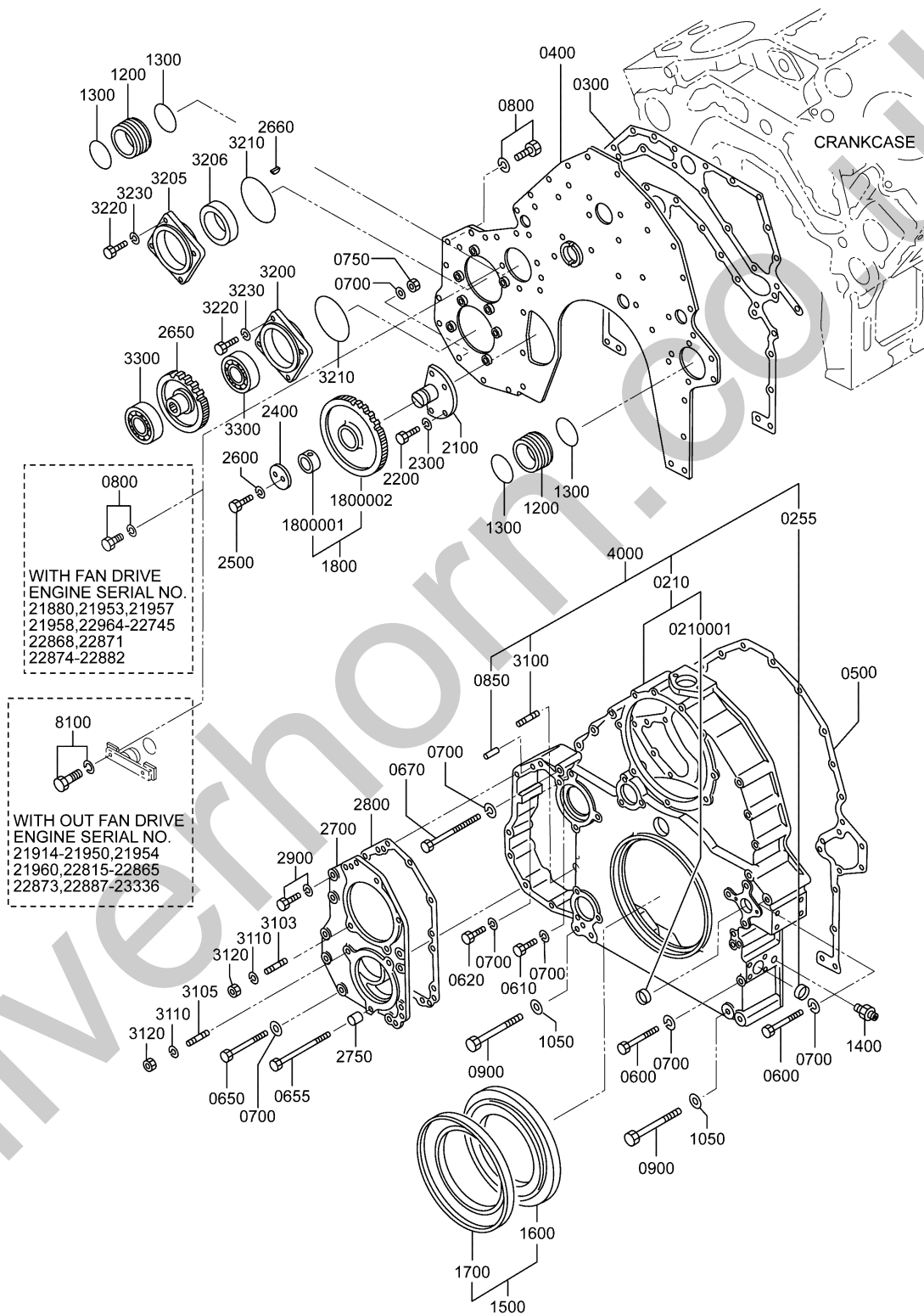
FRONT ACCESSORY DRIVE



REF. NO.	PART NO.	PART NAME & DESCRIPTION		MODEL & QTY		
				PTA-S		
0210	*	CASE SUB ASSY, FRONT GEAR		1		
0210001	04826-25000	CAP, SEALING		1		
0255	04826-21400	CAP, SEALING		1		
0300	37725-40200	PACKING, FRONT		1		
0400	37725-90300	PLATE, FRONT		1		
0500	37725-50400	PACKING, FRONT		1		
0600	05978-12155	BOLT		10		
0610	F1035-12040	BOLT		1		
0620	F1035-12055	BOLT		1		
0650	F1035-12130	BOLT		5		
0655	05978-12160	BOLT		1		
0670	F1035-12110	BOLT		3		
0700	F2515-12000	WASHER, SPRING		21		
0750	F2305-12000	NUT		4		
0800	F1805-12025	BOLT, W/WASHER	W/FAN DRIVE, B/W	29		
0850	F1805-12025	BOLT, W/WASHER	W/O FAN DRIVE, B/W	27		
0900	F2846-12000	PIN, DOWEL		2		
1050	05978-16160	BOLT		4		
1200	31201-71800	WASHER		4		
	37746-00501	JOINT		2		
1300	F3153-07500	O-RING		4		
1400	F4540-06300	CONNECTOR		1		
1500	*	SEAL ASSY, OIL	FRONT	1		
1600	37425-08201	SLINGER		1		
1700	37511-04300	SEAL, OIL		1		
1800	37725-03012	IDLER GEAR ASSY, IDLER	Z=56	1		
1800001	37123-03400	BUSHING		1		
1800002	*	GEAR, IDLER		1		
2100	37725-03504	SHAFT, IDLER		1		
2200	F1035-12035	BOLT		4		
2300	37525-07901	WASHER		4		
2400	32423-03800	PLATE		1		
2500	F1035-10025	BOLT		2		
2600	34A48-02100	WASHER		2		
2650	37725-22303	GEAR, OIL PUMP	Z=50	1		
2660	F2870-10032	KEY, WOODRUFF		1		
2700	37725-40500	PLATE		1		
2750	37561-01800	PIN, DOWEL		1		
2800	37725-30600	PACKING		1		
2900	F1805-12030	BOLT, W/WASHER	B/W	4		
3100	05977-12030	STUD		2		
3103	05977-12065	STUD		2		
3105	05977-12050	STUD		2		
3110	F2515-12000	WASHER, SPRING		6		
3120	F2300-12000	NUT		6		

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FRONT ACCESSORY DRIVE



P3780-250

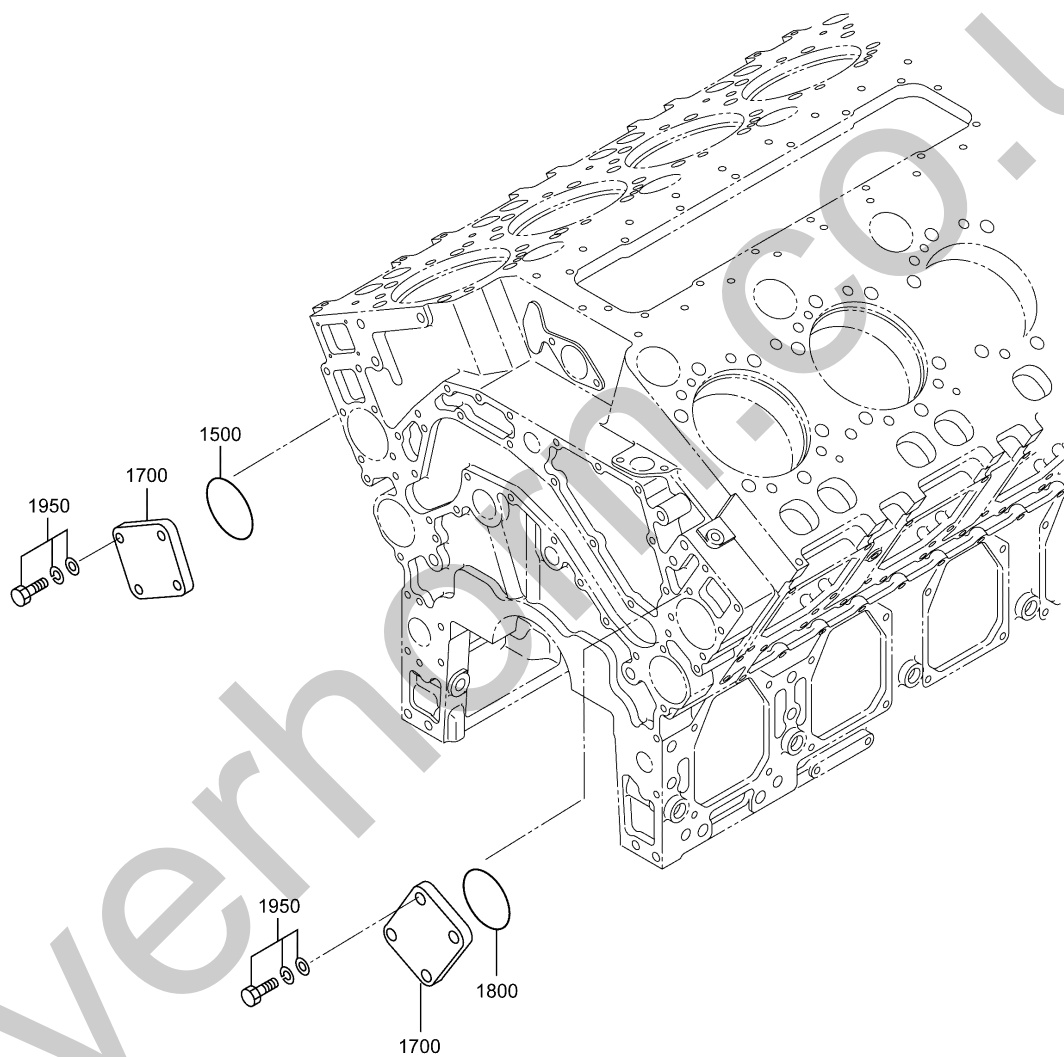
FRONT ACCESSORY DRIVE

- 39-

REF. NO.	PART NO.	PART NAME & DESCRIPTION		MODEL & QTY		
				PTA-S		
3200	37725-00802	COVER, BEARING		1		
3205	37725-10901	COVER, BEARING		1		
3206	F3015-06523	SEAL, OIL		1		
3210	05507-21250	O-RING		2		
3220	F1035-12025	BOLT		8		
3230	F2515-12000	WASHER, SPRING		8		
3300	F8010-06310	BEARING, BALL		2		
4000	37825-01010	CASE ASSY, FRONT GEAR		1		
8100	F1805-12040	BOLT, W/WASHER	W/O FAN DRIVE, B/W	2		

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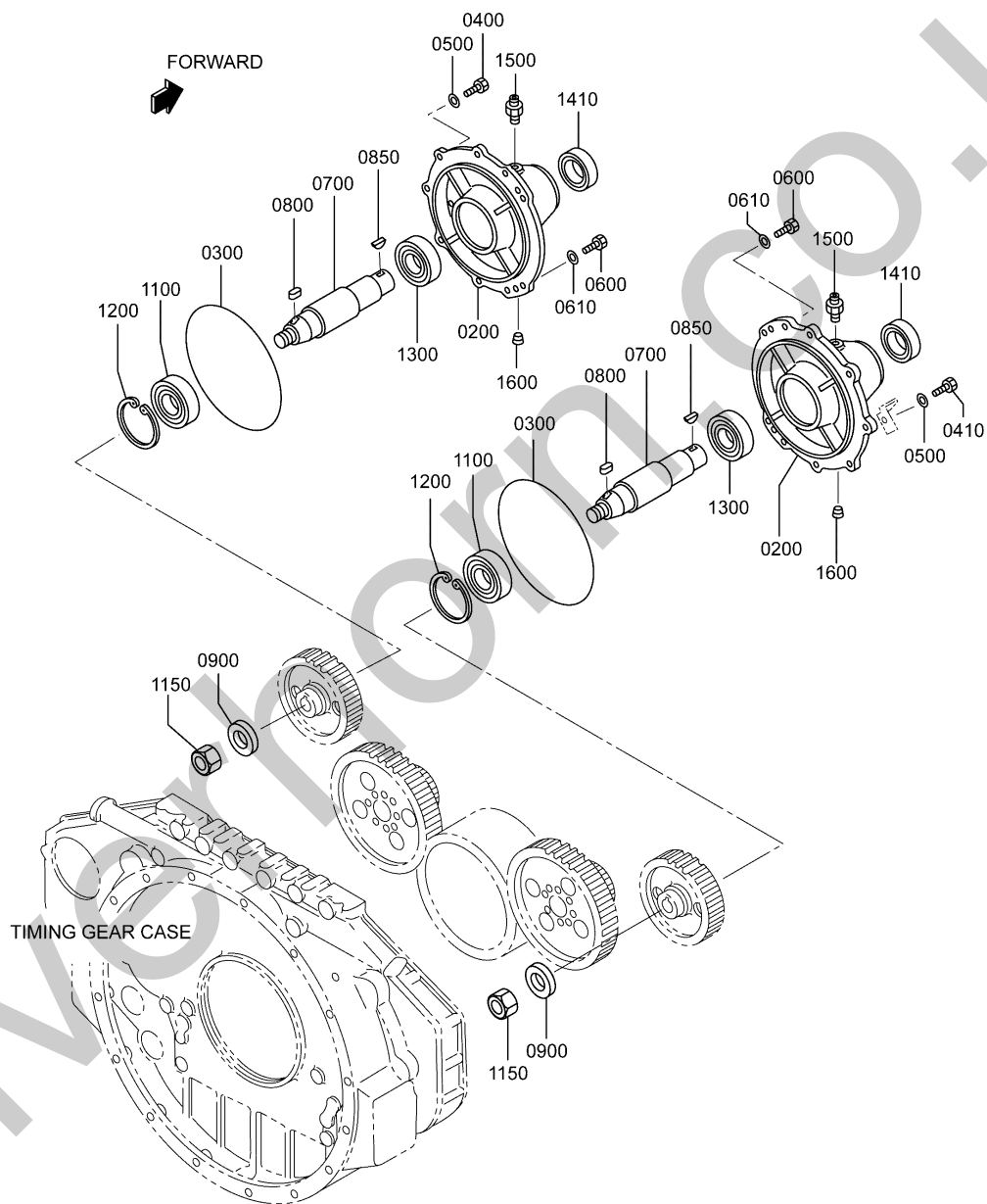


P3780-251

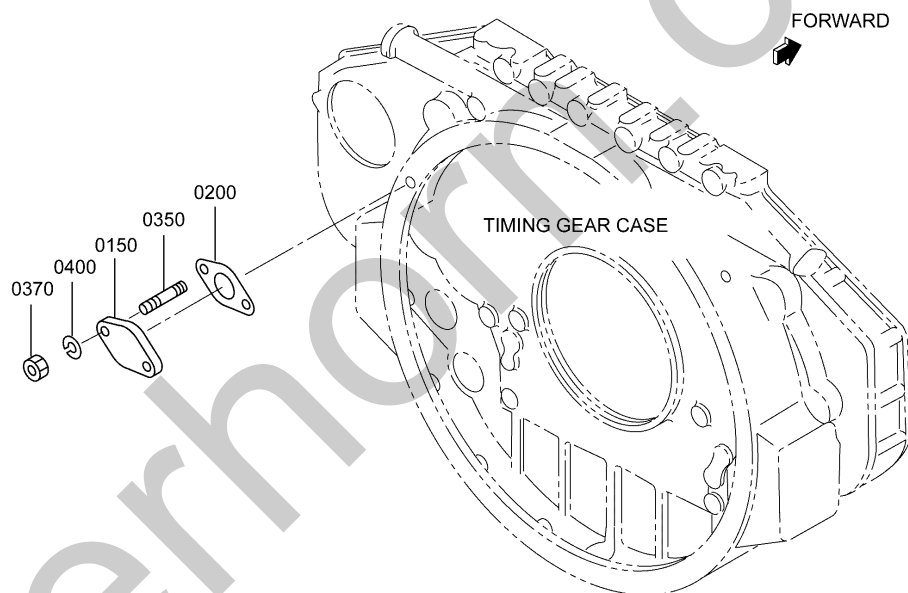
TACHO DRIVE

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[illegible]



REF. NO.	PART NO.	PART NAME & DESCRIPTION	MODEL & QTY		
			PTA-S		
0200	37525-63100	CASE, DRIVE	2		
0300	37525-03600	O-RING	2		
0400	F1035-12045	BOLT	8		
0410	F1035-12050	BOLT	2		
0500	37525-07901	WASHER	10		
0600	F1035-12035	BOLT	4		
0610	37525-07901	WASHER	4		
0700	37725-45301	SHAFT, DRIVE	2		
0800	37725-15700	KEY, SUNK	2		
0850	F2870-10032	KEY, WOODRUFF	2		
0900	37525-00600	WASHER, DRIVE SHAFT	2		
1100	F8010-06309	BEARING, BALL	2		
1150	37525-09900	NUT	2		
1200	F3202-10000	RING, SNAP	2		
1300	F8006-06210	BEARING, BALL	2		
1410	37525-13400	SEAL, OIL	2		
1500	37536-01800	CONNECTOR	2		
1600	04827-71300	PLUG, TAPERED	2		

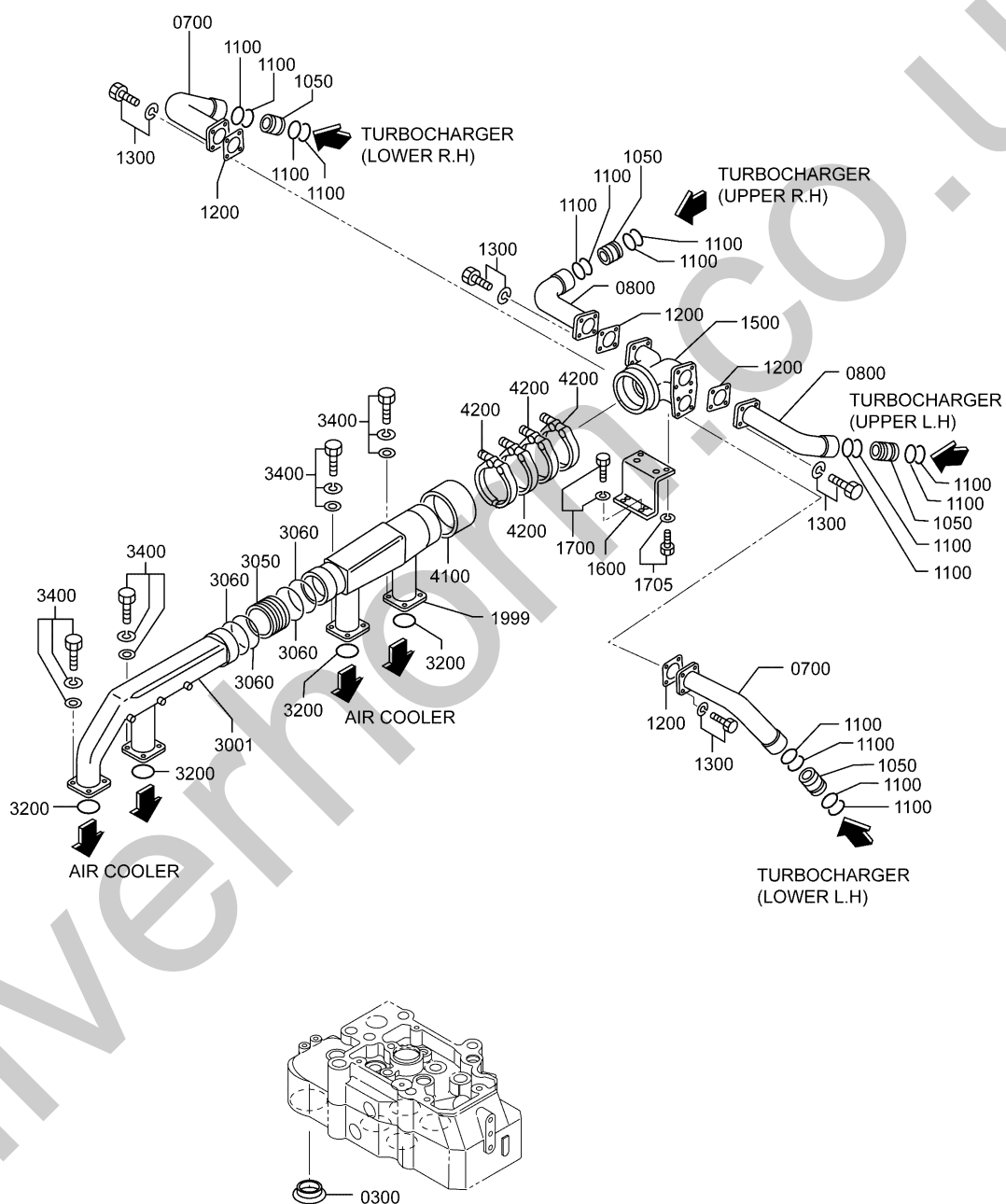


P3780-255

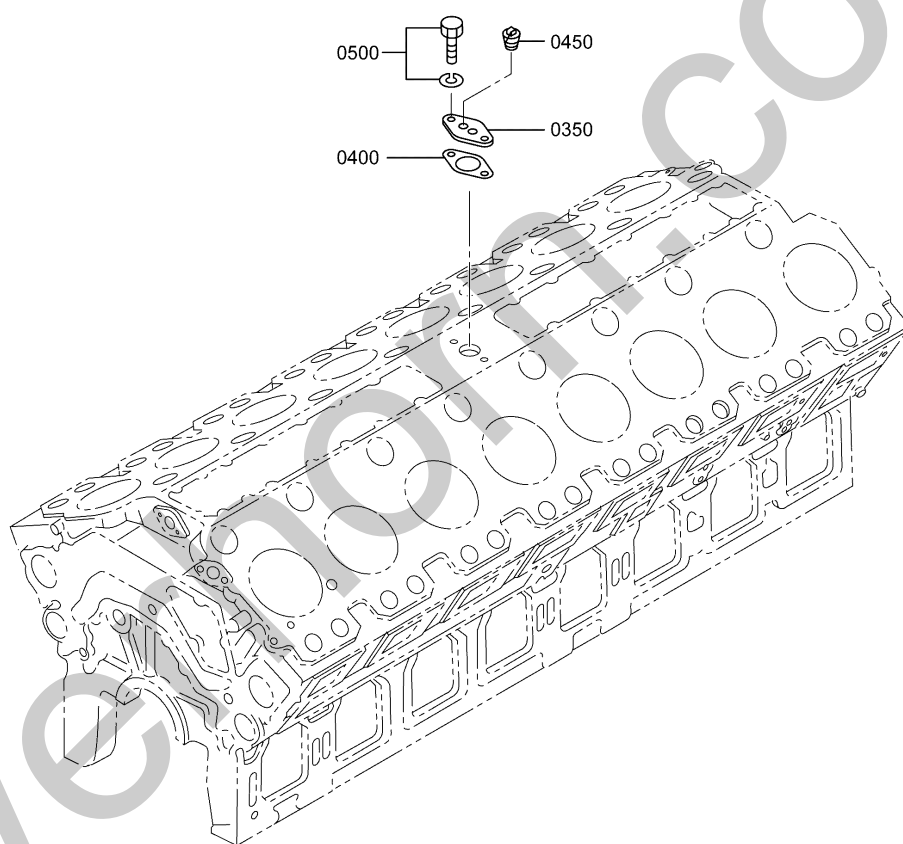
HOURMETER TACHOMETER

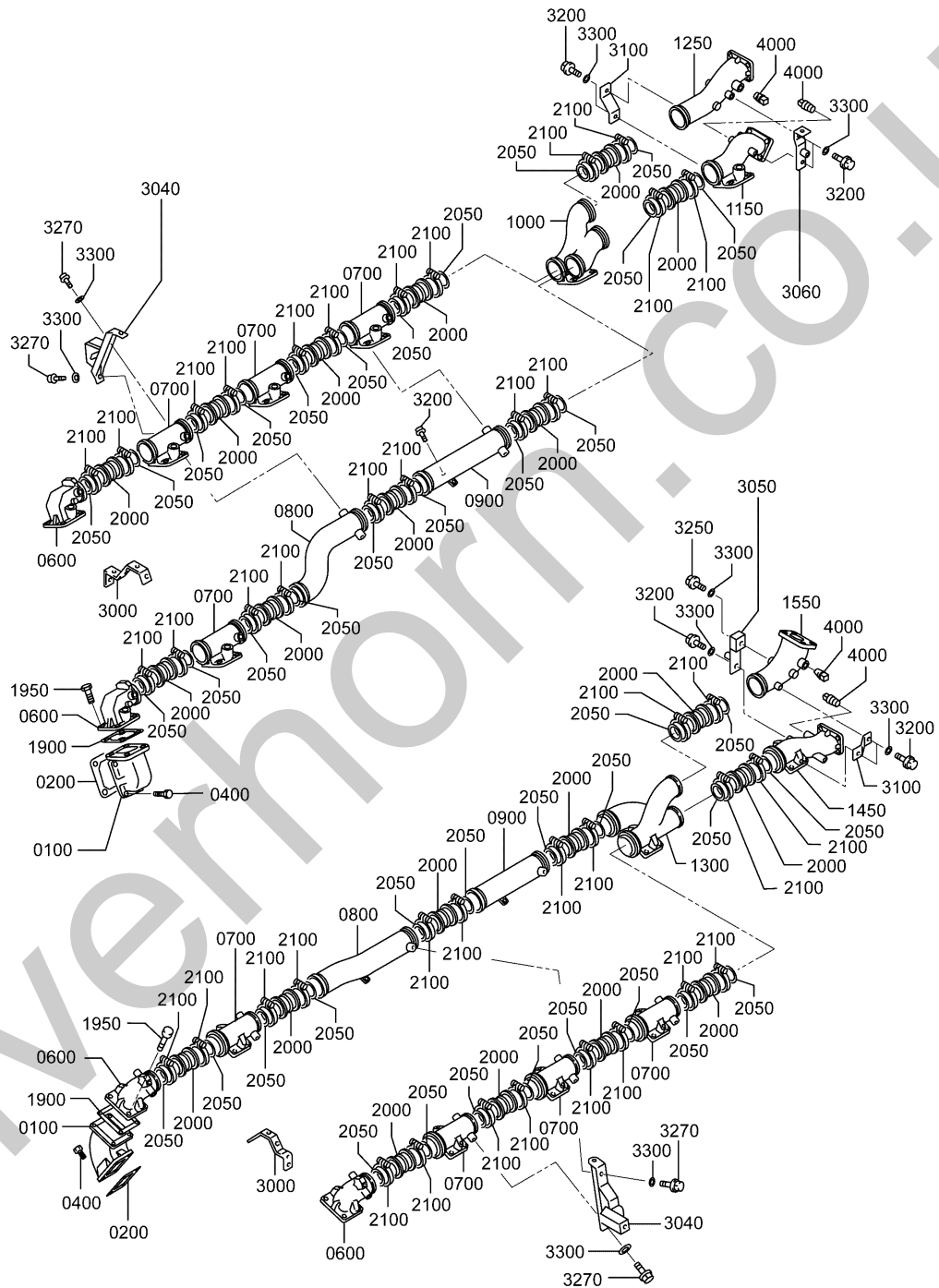
- 45-

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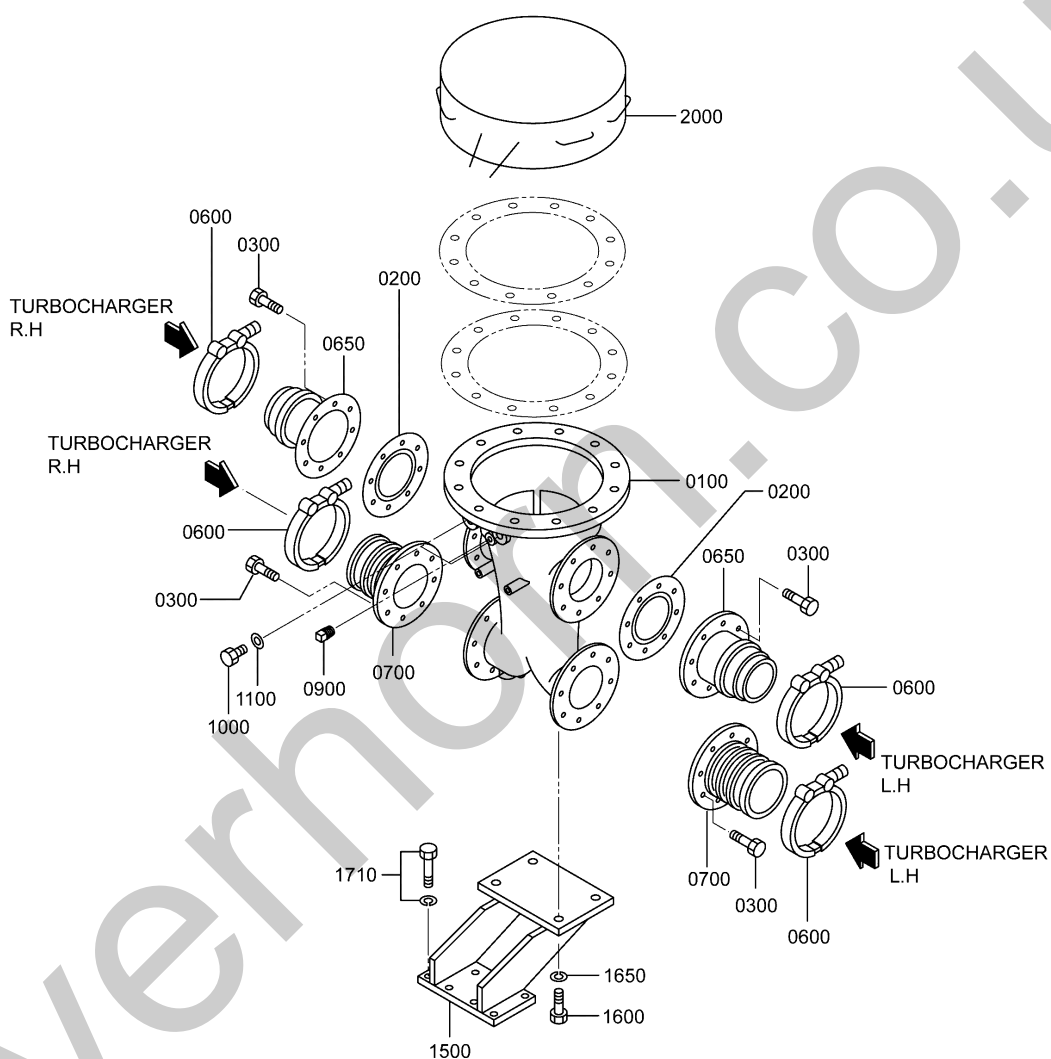


REF. NO.	PART NO.	PART NAME & DESCRIPTION		MODEL & QTY		
				PTA-S		
0300	37530-00200	PACKING, INLET PORT	LOWER UPPER	16		
0700	37830-21100	DUCT, AIR		2		
0800	37830-21201	DUCT, AIR		2		
1050	37830-01501	CONNECTOR		4		
1100	35A30-00100	O-RING		16		
1200	37730-11501	PACKING, DUCT	B/W	4		
1300	F2005-10035	BOLT, W/WASHER		16		
1500	37830-03404	DUCT, AIR		1		
1600	37830-11600	STAY, DUCT	B/W	1		
1700	F1805-10020	BOLT, W/WASHER		4		
1705	F2005-10020	BOLT, W/WASHER	B/W REAR FRONT	4		
1999	37830-09900	DUCT, AIR		1		
3001	38F30-07100	DUCT, AIR		1		
3050	37830-09800	CONNECTOR		1		
3060	05507-11350	O-RING		4		
3200	05507-21200	O-RING	B/W	4		
3400	F1825-10035	BOLT, W/WASHER		16		
4100	37830-33600	HOSE, RUBBER		1		
4200	05317-52201	CLAMP		4		





REF. NO.	PART NO.	PART NAME & DESCRIPTION	MODEL & QTY		
			PTA-S		
0100	37732-21102	CONNECTOR, EXHAUST	16		
0200	37532-09500	GASKET	16		
0400	37532-00800	BOLT, FLANGE	64		
0600	37732-50102	MANIFOLD, EXHAUST	4		
0700	37732-20302	MANIFOLD, EXHAUST	8		
0800	37732-30602	MANIFOLD, EXHAUST	2		
0900	37832-20302	MANIFOLD, EXHAUST	2		
1000	37832-30402	MANIFOLD, EXHAUST	1		
1150	37832-12500	MANIFOLD, EXHAUST	1		
1250	37832-12600	MANIFOLD, EXHAUST	1		
1300	37832-30702	MANIFOLD, EXHAUST	1		
1450	37832-12800	MANIFOLD, EXHAUST	1		
1550	37832-02901	MANIFOLD, EXHAUST	1		
1900	37732-10901	GASKET, EXHAUST	16		
1950	32532-20800	BOLT	64		
2000	37532-30601	JOINT, FLEXIBLE	20		
2050	32532-01700	GASKET, JOINT	40		
2100	49184-14000	COUPLING ASSY	40		
3000	37832-03101	STAY, EXHAUST MANIFOLD	2		
3040	37832-31400	STAY, EXHAUST MANIFOLD	4		
3050	37832-41501	STAY, EXHAUST MANIFOLD	1		
3060	37832-41601	STAY, EXHAUST MANIFOLD	1		
3100	37832-01701	STAY, MANIFOLD	2		
3200	32532-20800	BOLT	19		
3250	32532-07370	BOLT	1		
3270	49126-60230	BOLT	4		
3300	58034-04400	WASHER	20		
4000	F5006-10000	PLUG, TAPERED	4		



P3780-321

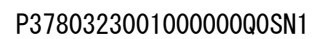
EXHAUST SYSTEM (PIPE, BRACKET)

- 53-

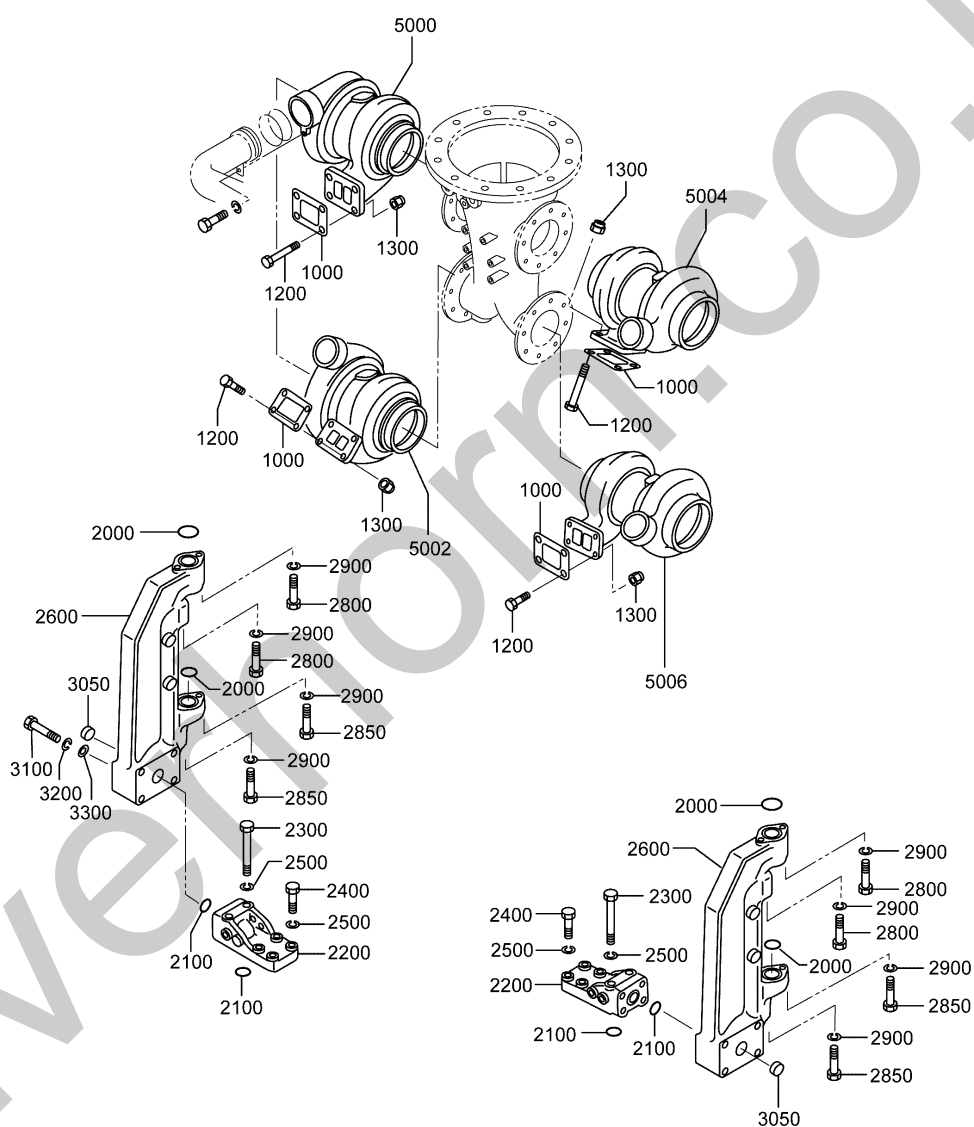
REF. NO.	PART NO.	PART NAME & DESCRIPTION		MODEL & QTY		
				PTA-S		
0100	37832-54501	PIPE, EXHAUST		1		
0200	37832-14300	GASKET, EXHAUST		2		
0300	32532-20800	BOLT		32		
0600	37N32-09100	V-CLAMP ASSY		4		
0650	37832-24402	JOINT, EXHAUST		2		
0700	37832-13700	JOINT, BELLOWS		2		
0900	F5006-10000	PLUG, TAPERED		2		
1000	37N32-04100	PLUG, SCREW		2		
1100	41232-03900	GASKET		2		
1500	37832-24700	BRACKET, PIPE		1		
1600	07707-12035	BOLT		4		
1650	F2515-12000	WASHER, SPRING		4		
1710	F1805-12035	BOLT, W/WASHER	B/W	8		
2000	04826-89350	COVER, BLIND		1		

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REF. NO.	PART NO.	PART NAME & DESCRIPTION		MODEL & QTY		
				PTA-S		
0100	37532-37101	INSULATOR		16		
0200	F1010-08014	BOLT, FLANGE		32		
0250	37732-26100	INSULATOR	FRONT	2		
0310	37733-18300	INSULATOR	R. H	1		
0340	37833-18100	INSULATOR	R. H	1		
0370	37833-18200	INSULATOR	R. H	1		
0400	37832-57300	INSULATOR	R. H	1		
0510	37733-18400	INSULATOR	L. H	1		
0540	37833-18300	INSULATOR	L. H	1		
0570	37833-18400	INSULATOR	L. H	1		
0600	37832-57500	INSULATOR	L. H	1		
0700	37832-57600	INSULATOR	R. H	1		
0800	37832-57700	INSULATOR	L. H	1		
0830	37832-16600	COVER, INSULATOR	L. H	1		
0860	37832-16700	COVER, INSULATOR	R. H	1		
0950	32532-06320	BOLT		16		
0952	49126-60220	BOLT		2		
0960	F1010-10016	BOLT, FLANGE		6		
1100	58034-04400	WASHER		18		
1110	F2500-10000	WASHER, PLAIN		6		
1150	F1010-10016	BOLT, FLANGE		23		
1250	F2300-10000	NUT, LOCK		23		
1260	F2500-10000	WASHER, PLAIN		23		
1300	37432-16400	PLATE, INSULATOR		6		
1350	F1010-10016	BOLT, FLANGE		12		
3000	37832-48100	INSULATOR, TURBOCHARGER	FRONT	1		
3100	37832-48200	INSULATOR, TURBOCHARGER	REAR	1		
3400	37832-08300	STAY, INSULATOR		1		
3500	49126-60220	BOLT		4		
3506	32532-06425	BOLT		2		
3508	F2500-12000	WASHER, PLAIN		2		
3509	F2515-12000	WASHER, SPRING		2		
3550	F2515-10000	WASHER, SPRING		4		
3560	F2500-10000	WASHER, PLAIN		6		
3600	37732-09502	STAY, INSULATOR		2		
3700	37732-07302	STAY, INSULATOR		2		
3750	F1805-10020	BOLT, W/WASHER	B/W	2		
3800	F1805-10016	BOLT, W/WASHER	B/W	4		
3850	F2500-10000	WASHER, PLAIN		4		



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TURBOCHARGER (TD10L)

- 57-

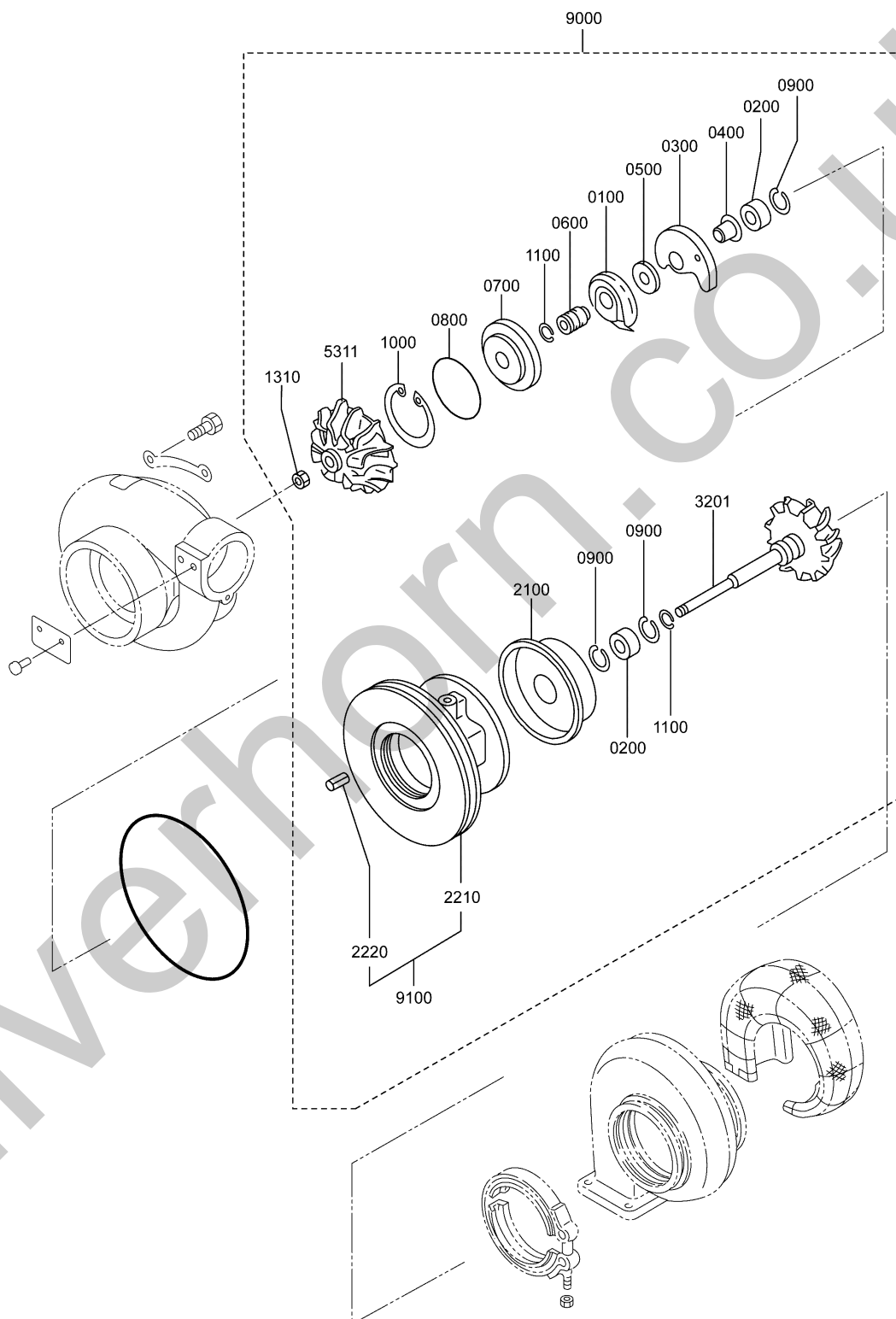
REF. NO.	PART NO.	PART NAME & DESCRIPTION	MODEL & QTY		
			PTA-S		
1000	32532-09100	GASKET, TURBOCHARGER	4		
1200	07707-12045	BOLT	16		
1300	F2445-12000	NUT, SELF LOCKING	16		
2000	05507-20300	O-RING	4		
2100	05507-20300	O-RING	4		
2200	37832-24102	BRACKET, TURBOCHARGER	2		
2300	F1035-12090	BOLT	4		
2400	F1035-12050	BOLT	8		
2500	F2515-12000	WASHER, SPRING	12		
2600	37832-24201	BRACKET, TURBOCHARGER	2		
2800	F1155-10070	BOLT	4		
2850	F1155-10055	BOLT	4		
2900	F2515-10000	WASHER, SPRING	8		
3050	04826-22200	CAP, SEALING	2		
3100	F1035-16065	BOLT	8		
3200	F2515-16000	WASHER, SPRING	8		
3300	F2500-16000	WASHER, PLAIN	8		
5000	49181-03760	TURBOCHARGER ASSY	1		
5002	49181-03761	TURBOCHARGER ASSY	1		
5004	49181-03762	TURBOCHARGER ASSY	1		
5006	49181-03763	TURBOCHARGER ASSY	1		

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P4962-000

TURBOCHARGER ASSY
(CRATRIDGE ASSY)



P4962-000

TURBOCHARGER ASSY
(CARTRIDGE ASSY)

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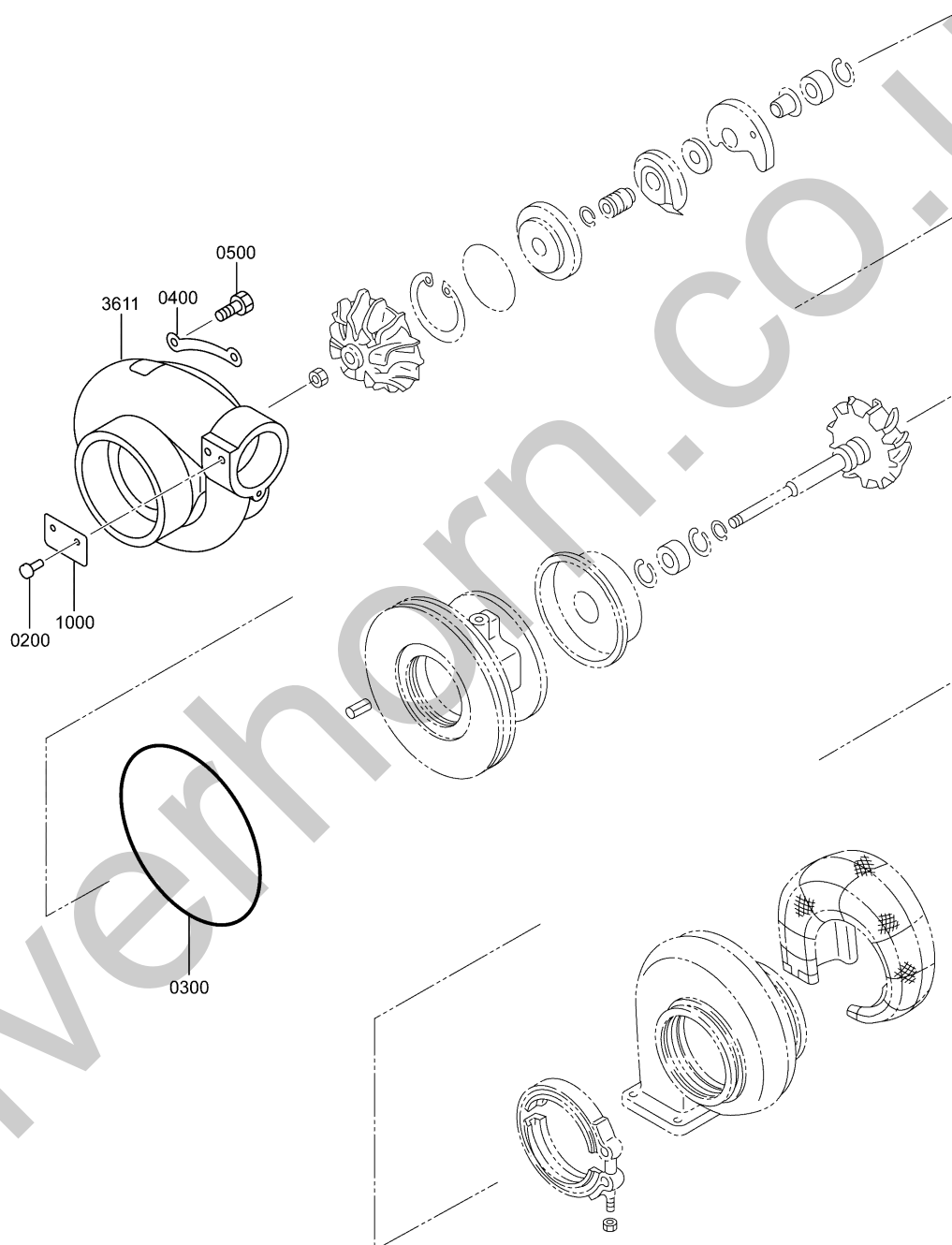
REF. NO.	PART NO.	PART NAME & DESCRIPTION	MODEL & QTY		
			PTA-S		
0100	49181-22200	DEFLECTOR, OIL	4		
0200	49181-21100	BEARING	8		
0300	49181-21600	BEARING, THRUST	4		
0400	49181-42400	RING, THRUST	4		
0500	49181-42300	RING, THRUST	4		
0600	49181-42100	SLEEVE, FLINGER	4		
0700	49181-22500	INSERT	4		
0800	49181-22600	O-RING	4		
0900	49181-22300	RING, SNAP	12		
1000	49162-23202	RING, SNAP	4		
1100	49181-23100	RING, PISTON	8		
1310	49181-42241	NUT, LOCK	4		
2100	49181-19300	PLATE, BACK TURBINE	4		
2210	*	HOUSING, BEARING	4		
2220	49183-22800	PIN, SPRING	4		
3201	49181-30232	ROTOR ASSY	4		
5311	49181-45400	WHEEL, COMPRESSOR	4		
9000	49181-09941	CARTRIDGE ASSY	4		
9100	49181-25300	HOUSING ASSY, BEARING	4		

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P4962-100

TURBOCHARGER ASSY
(COMPRESSOR COVER)



P4962-100

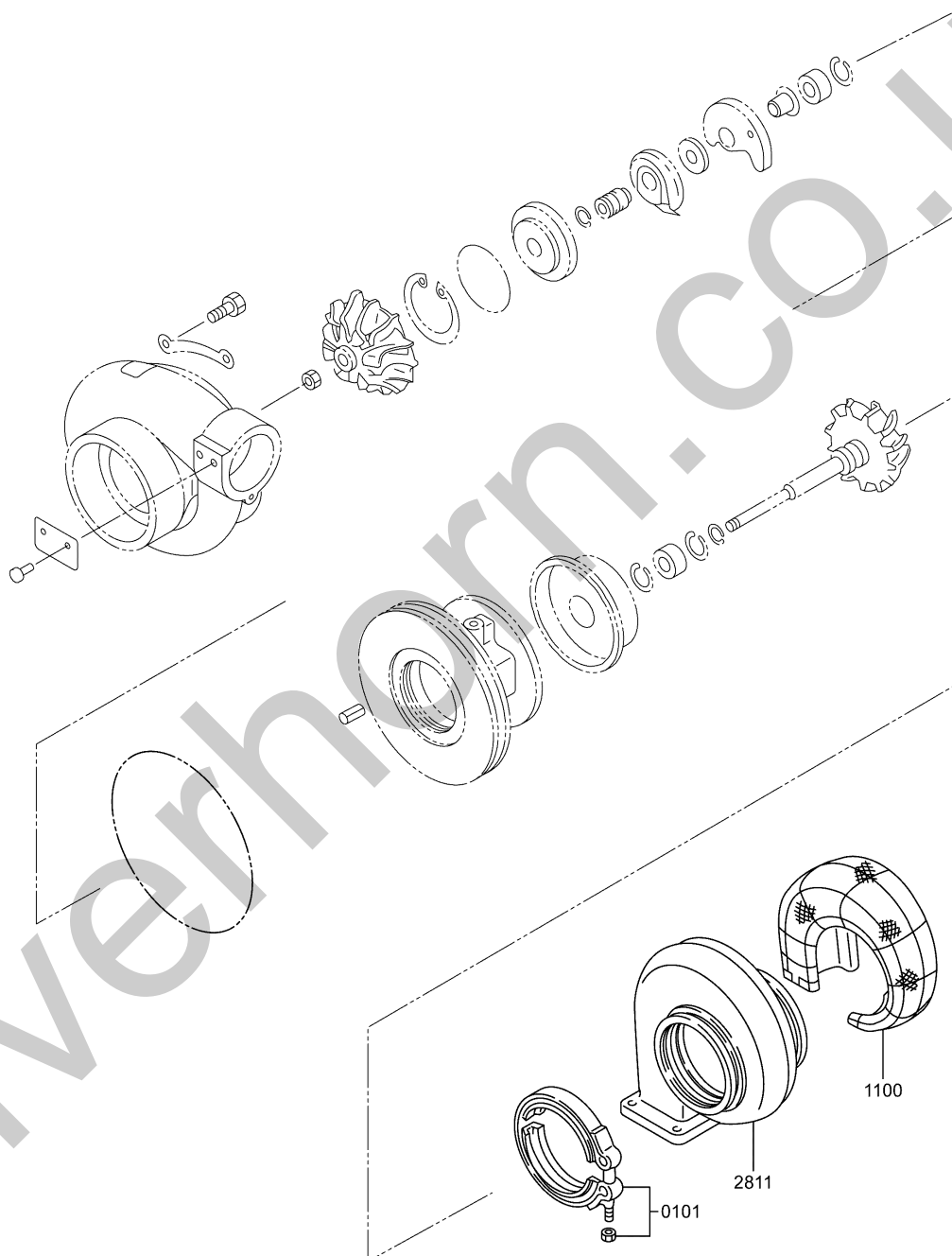
TURBOCHARGER ASSY
(COMPRESSOR COVER)

- 61-

REF. NO.	PART NO.	PART NAME & DESCRIPTION		MODEL & QTY		
				PTA-S		
0200	00665-02048	RIVET, SCREW		8		
0300	49181-22700	O-RING		4		
0400	49181-23501	PLATE, LOCK		16		
0500	49181-23701	BOLT		32		
1000	*	PLATE, NAME		4		
3611	49181-55400	COVER, COMPRESSOR		4		

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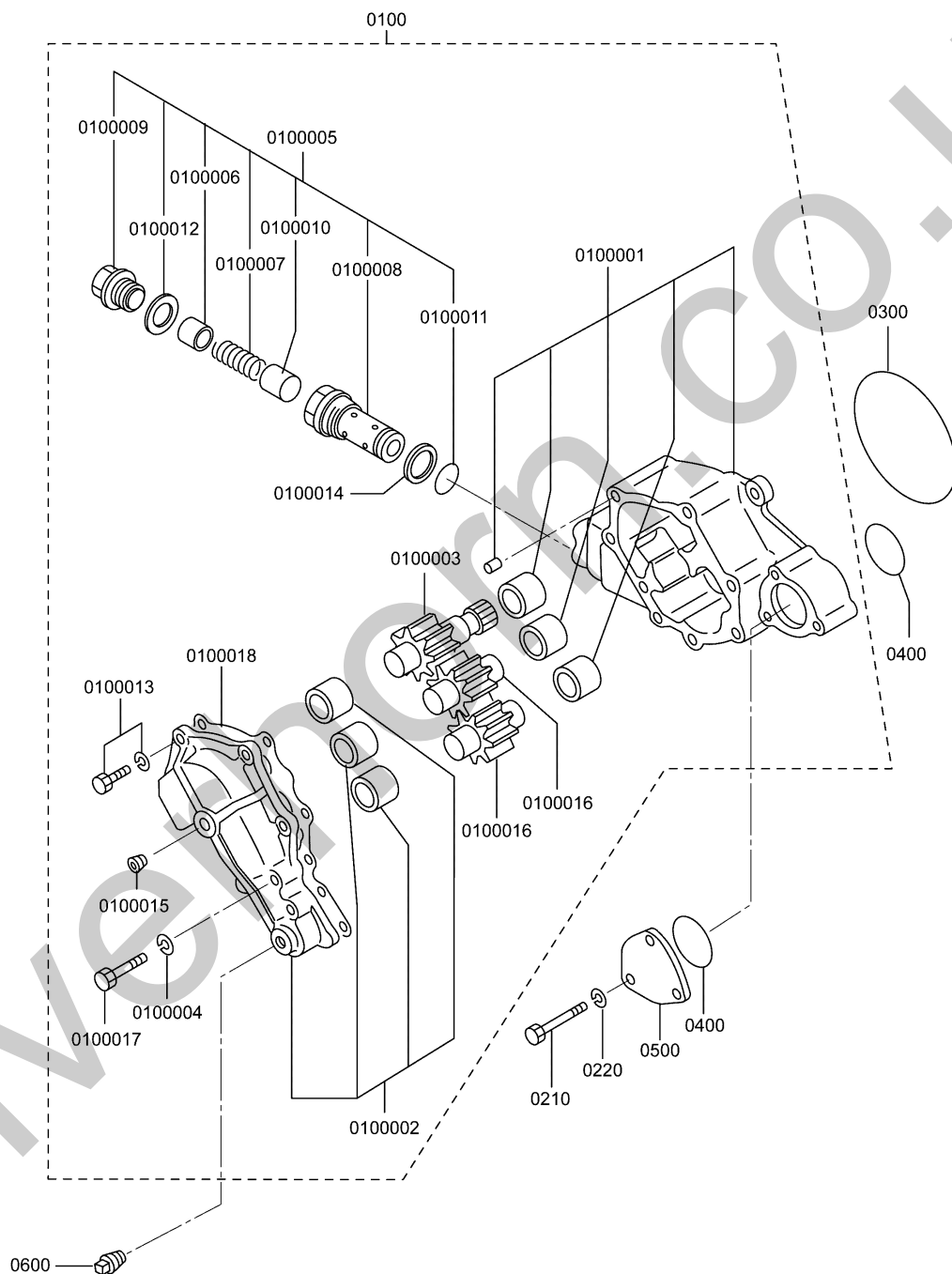


P4962-200

**TURBOCHARGER ASSY
(TURBINE HOUSING)**

- 63-

[illegible]



P3780-350

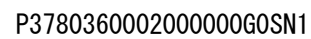
OIL PUMP

- 65-

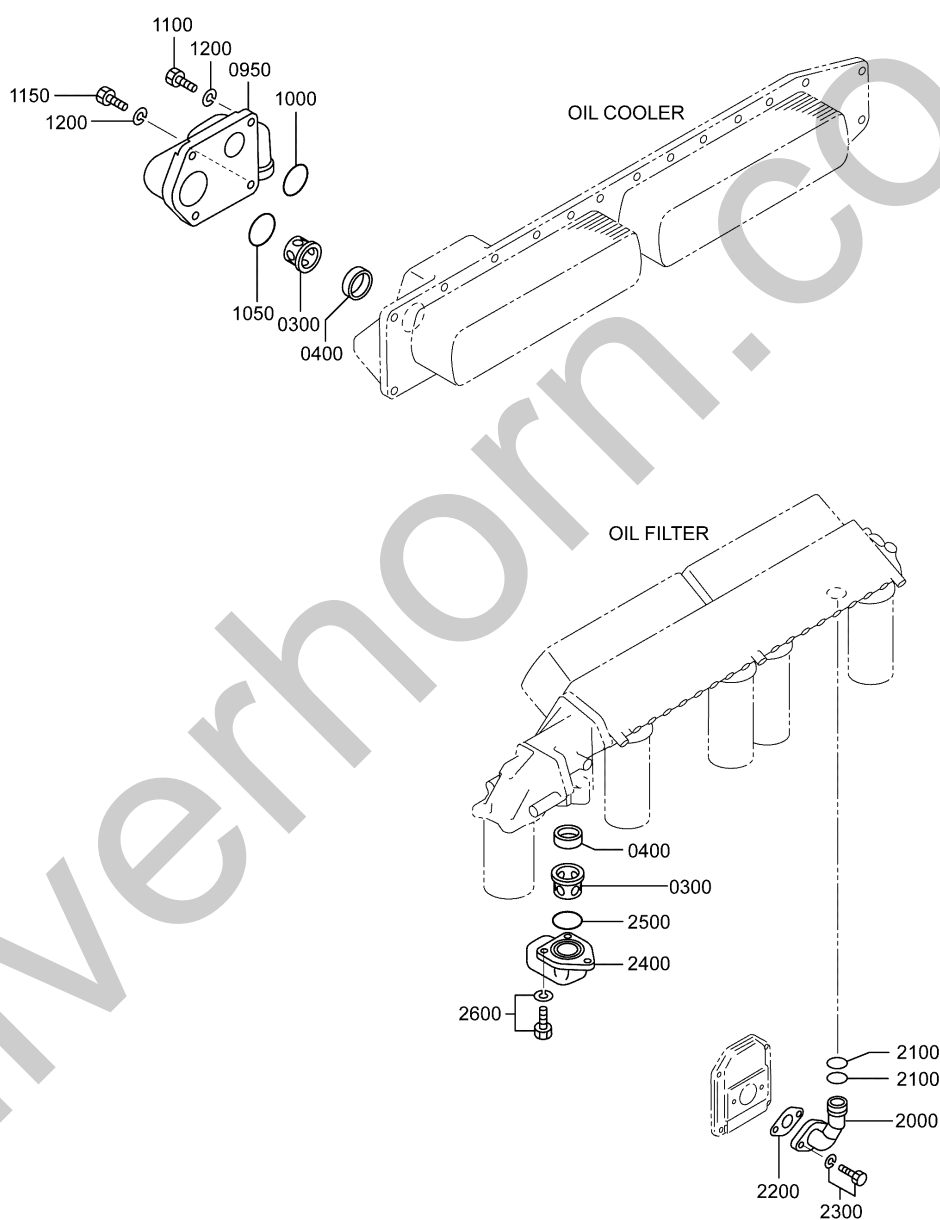
REF. NO.	PART NO.	PART NAME & DESCRIPTION		MODEL & QTY		
				PTA-S		
0100	37735-00032	PUMP ASSY, OIL	Z=10	1		
0100001	37735-81001	CASE ASSY		1		
0100002	37735-72001	COVER ASSY, OIL PUMP		1		
0100003	37735-30300	GEAR, DRIVE		1		
0100004	F2515-10000	WASHER, SPRING		2		
0100005	37735-48021	VALVE ASSY		3		
0100006	37535-12200	STOPPER		3		
0100007	37535-02300	SPRING		3		
0100008	*	CASE, VALVE		3		
0100009	37735-21800	PLUG		3		
0100010	35A35-13200	VALVE, SAFETY	B/W	3		
0100011	37735-10901	O-RING		3		
0100012	05946-02401	WASHER, SEALING		3		
0100013	F1805-10035	BOLT, W/WASHER		6		
0100014	05946-03301	WASHER, SEALING		3		
0100015	04827-90330	PLUG, TAPERED	Z=10	1		
0100016	37735-40400	GEAR, DRIVEN		2		
0100017	F1035-10080	BOLT		2		
0100018	37735-30701	PACKING		1		
0210	F1035-12090	BOLT		3		
0220	F2515-12000	WASHER, SPRING		3		
0300	05507-21450	O-RING		1		
0400	05507-20750	O-RING		2		
0500	37735-03100	COVER, OIL PUMP		1		
0600	F5006-26000	PLUG, TAPERED		1		

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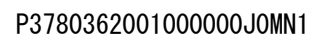
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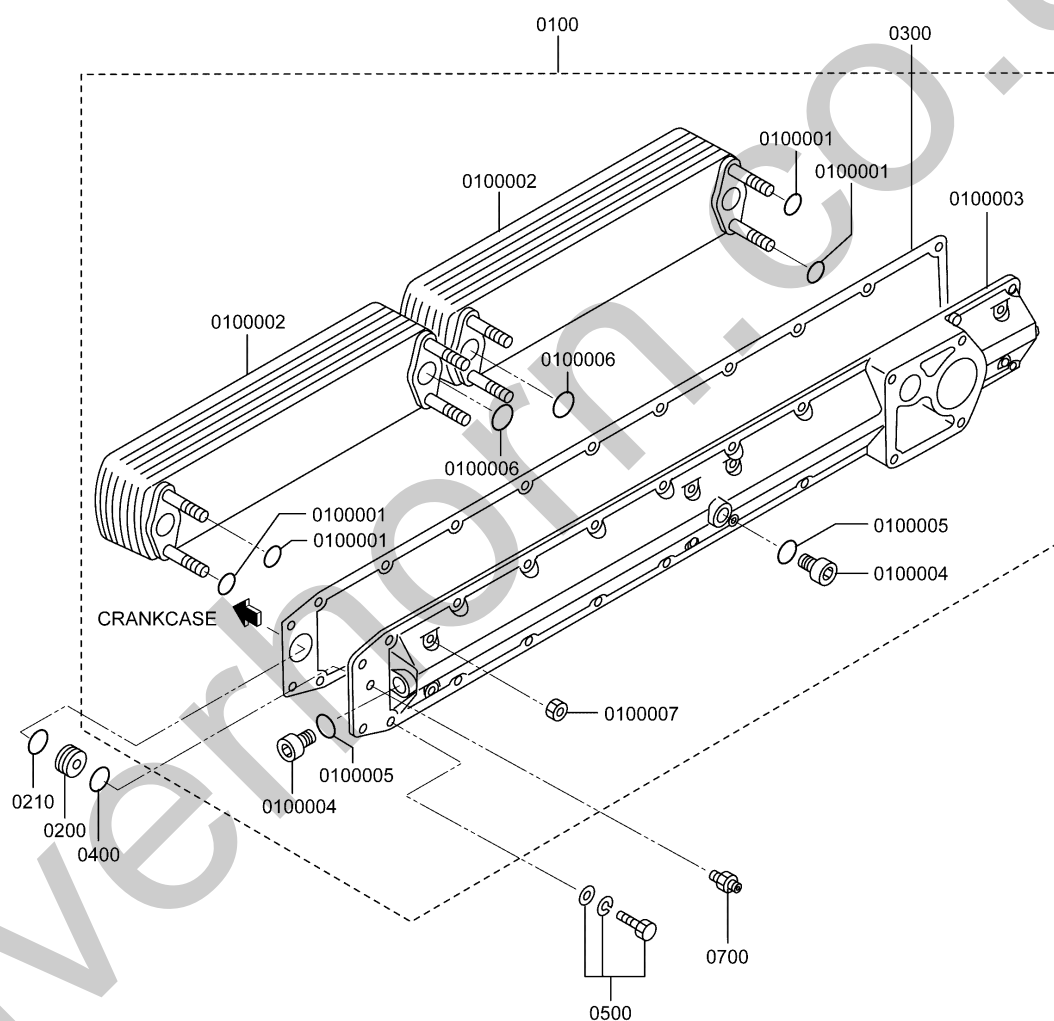
REF. NO.	PART NO.	PART NAME & DESCRIPTION		MODEL & QTY		
				PTA-S		
0200	37736-10101	STRAINER, OIL		1		
0400	F1805-12030	BOLT, W/WASHER	B/W	2		
0500	05507-20800	O-RING		1		
0600	37736-03401	CONNECTOR		1		
0700	F1805-10030	BOLT, W/WASHER	B/W	2		
0750	F1035-10080	BOLT		2		
0760	F2515-10000	WASHER, SPRING		2		
0800	37836-04502	PIPE, OIL		1		
0860	32646-08600	STAY		1		
0900	F1825-10020	BOLT, W/WASHER	B/W	1		
0905	F1805-10020	BOLT, W/WASHER	B/W	1		
0910	F1035-12080	BOLT		2		
0920	F2515-12000	WASHER, SPRING		2		
1000	05507-20800	O-RING		1		
1050	05507-20650	O-RING		2		
1300	37836-04602	PIPE, OIL	R. H	1		
1400	F1035-10065	BOLT		1		
1450	F1805-10025	BOLT, W/WASHER	B/W	1		
1500	F2515-10000	WASHER, SPRING		1		
1600	37836-04701	PIPE, OIL	R. H	1		
1700	F1805-10025	BOLT, W/WASHER	B/W	6		
2300	05507-20500	O-RING		5		
2400	05507-20350	O-RING		16		
2500	37836-04801	PIPE, OIL	L. H	1		
3000	37836-04901	PIPE, OIL	L. H	1		
3080	37836-03502	COUPLING		4		
3100	37836-03300	BRACKET, CLAMP		2		
3150	F1825-12025	BOLT, W/WASHER	B/W	4		



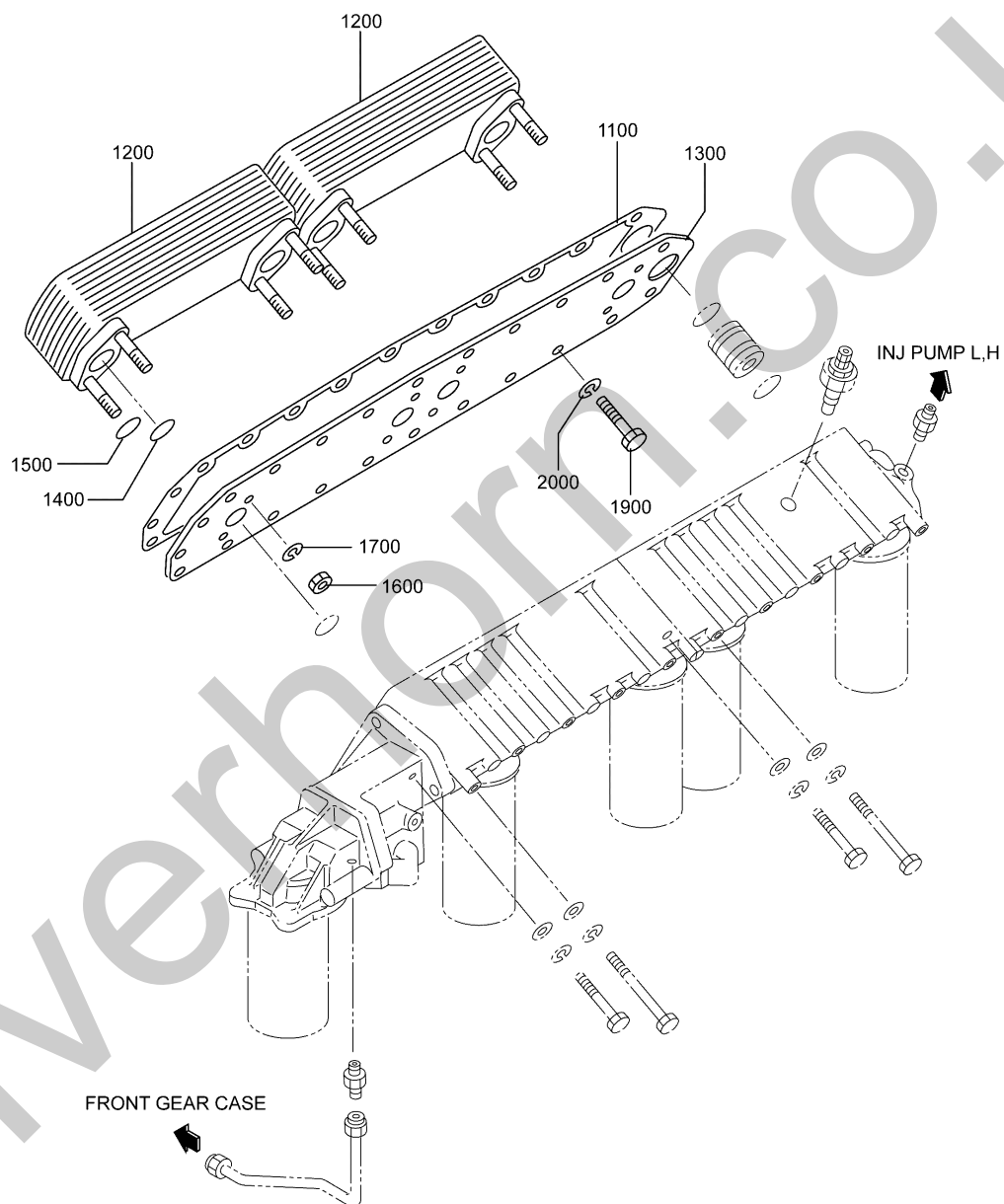
REF. NO.	PART NO.	PART NAME & DESCRIPTION		MODEL & QTY		
				PTA-S		
0300	37739-00800	DUMMY, THERMO	R. H	2		
0400	37546-00800	SEAL, THERMOSTAT		2		
0950	37736-21204	CONNECTOR		1		
1000	05507-20400	O-RING		1		
1050	05507-20850	O-RING		1		
1100	F1035-12100	BOLT		3		
1150	37739-10900	BOLT		1		
1200	F2515-12000	WASHER, SPRING		4		
2000	37736-44200	PIPE, OIL DRAIN		1		
2100	05507-20350	O-RING		2		
2200	33442-20200	PACKING		1		
2300	F1805-10025	BOLT, W/WASHER		2		
2400	37736-11302	CONNECTOR	L. H	1		
2500	05507-20800	O-RING		1		
2600	F1805-12025	BOLT, W/WASHER	B/W	3		



REF. NO.	PART NO.	PART NAME & DESCRIPTION		MODEL & QTY		
				PTA-S		
0100	37836-35100	PIPE, OIL	R. H	1		
0200	37836-45200	PIPE, OIL		2		
0500	F1805-10016	BOLT, W/WASHER	B/W	2		
0600	35C36-02900	PACKING		4		
0700	F1155-10040	BOLT		6		
0800	F1155-10045	BOLT		2		
0900	F2515-10000	WASHER, SPRING		8		
1000	37836-35900	CONNECTOR, DRAIN		4		
1100	05507-20250	O-RING		8		
1200	F1035-10080	BOLT		4		
1250	F1805-10025	BOLT, W/WASHER	B/W	4		
1300	F2515-10000	WASHER, SPRING		4		
2000	37836-46100	PIPE, OIL	R. H	1		
2100	37836-56200	PIPE, OIL	L. H	1		
2200	F1805-08020	BOLT, W/WASHER	B/W	2		
2600	37836-46600	PIPE, DRAIN	R. H	1		
2700	37836-46700	PIPE, DRAIN	L. H	1		
2710	37836-09700	SPACER		2		
2720	37836-09800	STAY, DRAIN		2		
2730	F1825-10020	BOLT, W/WASHER	B/W	2		
3000	37836-76401	PIPE, OIL	R. H	1		
3010	37836-16801	STAY, OIL PIPE		2		
3020	F1805-08014	BOLT, W/WASHER	B/W	2		
3100	37836-86301	PIPE, OIL	L. H	1		



REF. NO.	PART NO.	PART NAME & DESCRIPTION		MODEL & QTY		
				PTA-S		
0100	37739-50010	COOLER ASSY, OIL		1		
0100001	05507-10140	O-RING		8		
0100002	37739-30100	ELEMENT, OIL COOLER		2		
0100003	37739-30400	COVER, OIL COOLER		1		
0100004	ME064526	PLUG		3		
0100005	MH035093	O-RING		3		
0100006	MH035626	O-RING		4		
0100007	ME150442	NUT, FLANGE		8		
0200	37507-00703	PLATE, NOZZLE		1		
0210	05507-10340	O-RING		1		
0300	37739-10200	PACKING, OIL COOLER		1		
0400	05507-10440	O-RING		1		
0500	F1825-12035	BOLT, W/WASHER	B/W	18		
0700	F4540-08000	CONNECTOR		1		



P3780-390-02

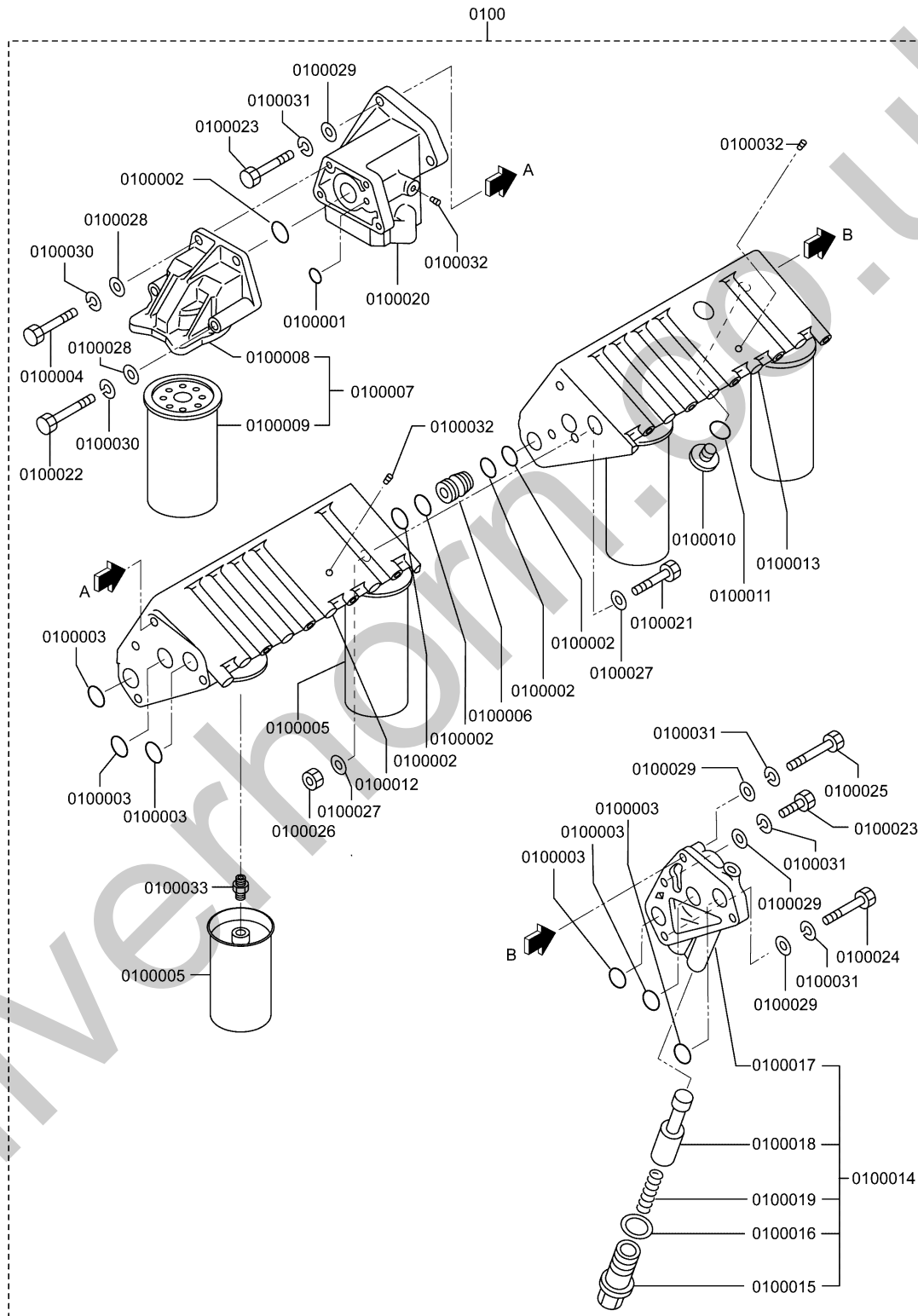
OIL COOLER, L. H

- 75-

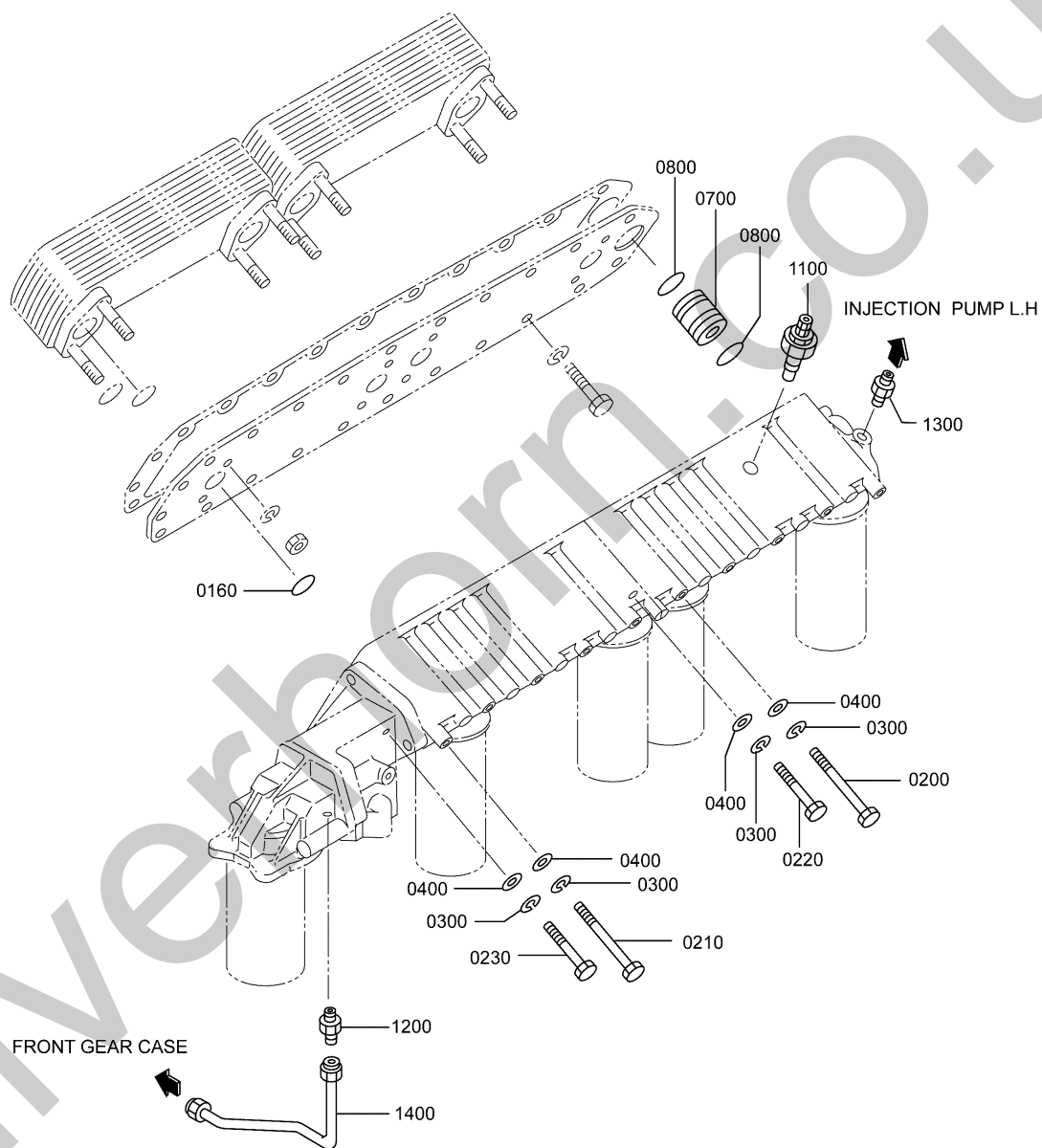
REF. NO.	PART NO.	PART NAME & DESCRIPTION		MODEL & QTY		
				PTA-S		
1100	37739-22200	GASKET, OIL COOLER	L. H	1		
1200	37739-32100	ELEMENT, OIL COOLER		2		
1300	37739-22300	PLATE, OIL COOLER		1		
1400	05507-20300	O-RING		4		
1500	05507-10140	O-RING		8		
1600	F2440-10000	NUT, SELF LOCKING		8		
1700	F2515-10000	WASHER, SPRING		8		
1900	F1035-12025	BOLT		3		
2000	F2515-12000	WASHER, SPRING		3		

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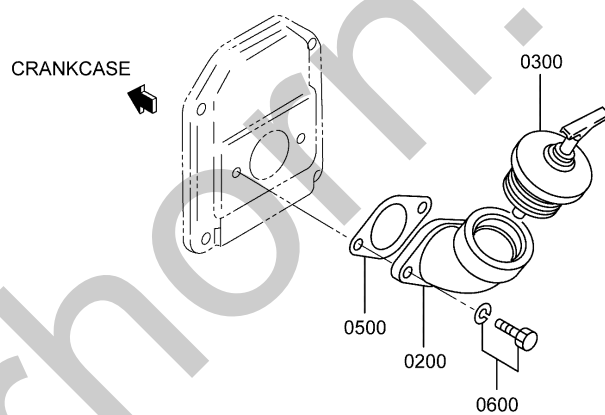
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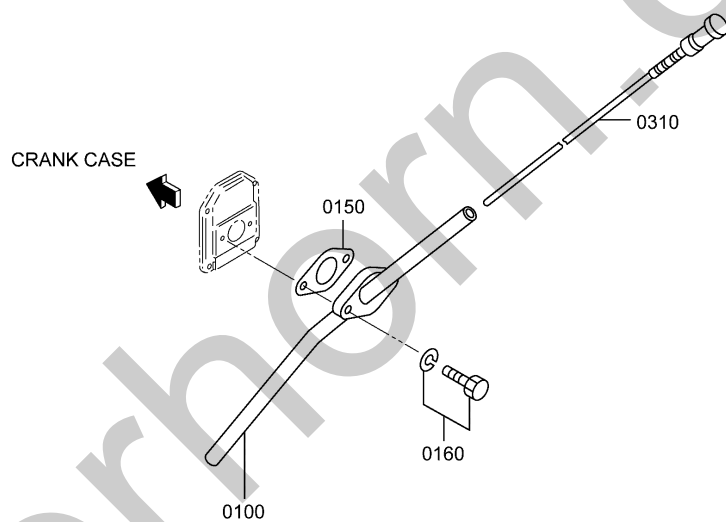


REF. NO.	PART NO.	PART NAME & DESCRIPTION	MODEL & QTY		
			PTA-S		
0100	37740-70010	FILTER ASSY, OIL	1		
0100001	05507-10110	O-RING	1		
0100002	05507-20350	O-RING	13		
0100003	05507-20400	O-RING	6		
0100004	05978-10100	BOLT	2		
0100005	37540-11100	ELEMENT, CARTRIDGE	4		
0100006	37740-01700	COUPLING, FILTER	3		
0100007	37740-06011	FILTER ASSY, BY-PASS	1		
0100008	*	BRACKET, BY-PASS FILTER	1		
0100009	37540-02100	CARTRIDGE, BY-PASS FILTER	1		
0100010	37740-27112	PLUG	2		
0100011	37740-27123	O-RING	2		
0100012	*	BRACKET	1		
0100013	*	BRACKET	1		
0100014	37740-70300	ADAPTER ASSY	1		
0100015	37740-50314	CAP, RELIEF VALVE	1		
0100016	37740-50315	PACKING	1		
0100017	*	BODY ASSY	1		
0100018	37740-60312	VALVE, OIL RELIEF	1		
0100019	37740-60313	SPRING, RELIEF VALVE	1		
0100020	37740-75400	ADAPTER, THERMO	1		
0100021	F1035-08025	BOLT	2		
0100022	F1035-10035	BOLT	2		
0100023	F1035-12040	BOLT	6		
0100024	F1035-12070	BOLT	1		
0100025	F1035-12080	BOLT	1		
0100026	F2300-08000	NUT	2		
0100027	F2500-08000	WASHER, PLAIN	4		
0100028	F2500-10000	WASHER, PLAIN	4		
0100029	F2500-12000	WASHER, PLAIN	8		
0100030	F2515-10000	WASHER, SPRING	4		
0100031	F2515-12000	WASHER, SPRING	8		
0100032	F5005-10001	PLUG, TAPERED	3		
0100033	*	NIPPLE	4		



REF. NO.	PART NO.	PART NAME & DESCRIPTION		MODEL & QTY		
				PTA-S		
0160	05507-20300	O-RING		4		
0200	MH000183	BOLT		8		
0210	MH000184	BOLT		2		
0220	F1035-12100	BOLT		8		
0230	F1035-12130	BOLT		2		
0300	F2515-12000	WASHER, SPRING		20		
0400	F2500-12000	WASHER, PLAIN		20		
0700	37740-00700	COUPLING		1		
0800	05507-20350	O-RING		2		
1100	37540-11300	ALARM, OIL FILTER		1		
1200	F4540-06300	CONNECTOR		1		
1300	F4540-08000	CONNECTOR		1		
1400	37736-24300	PIPE, BY-PASS		1		



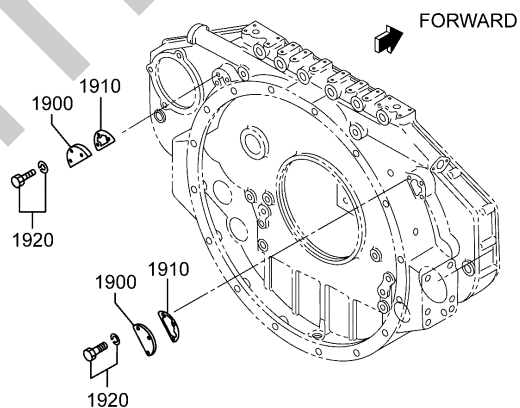
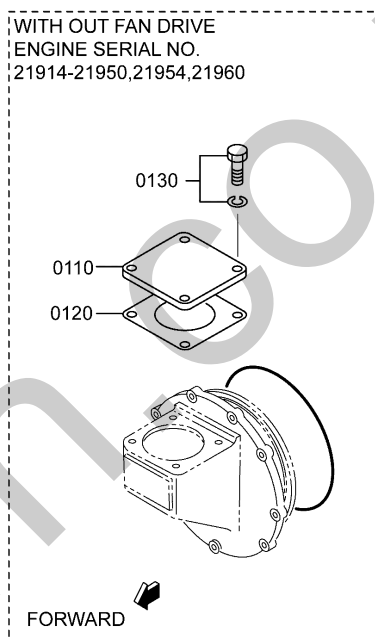
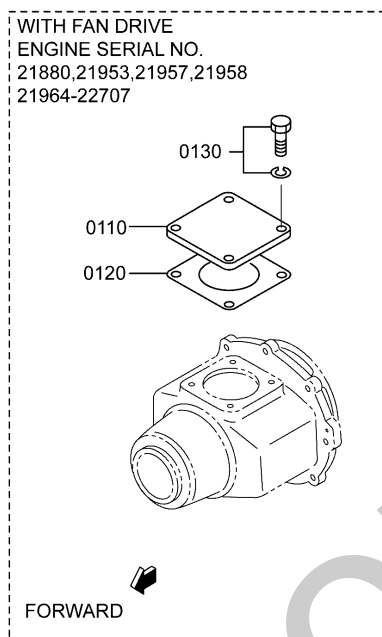


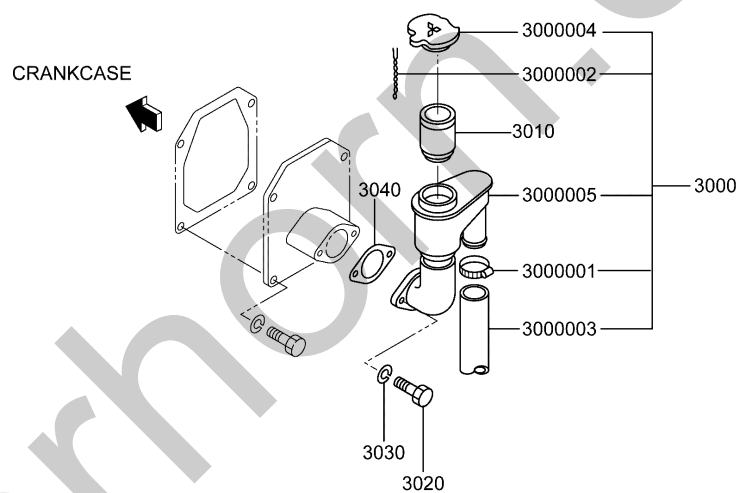
P3780-425

OIL LEVEL GAGE

- 83-

[illegible]





P3780-430-02

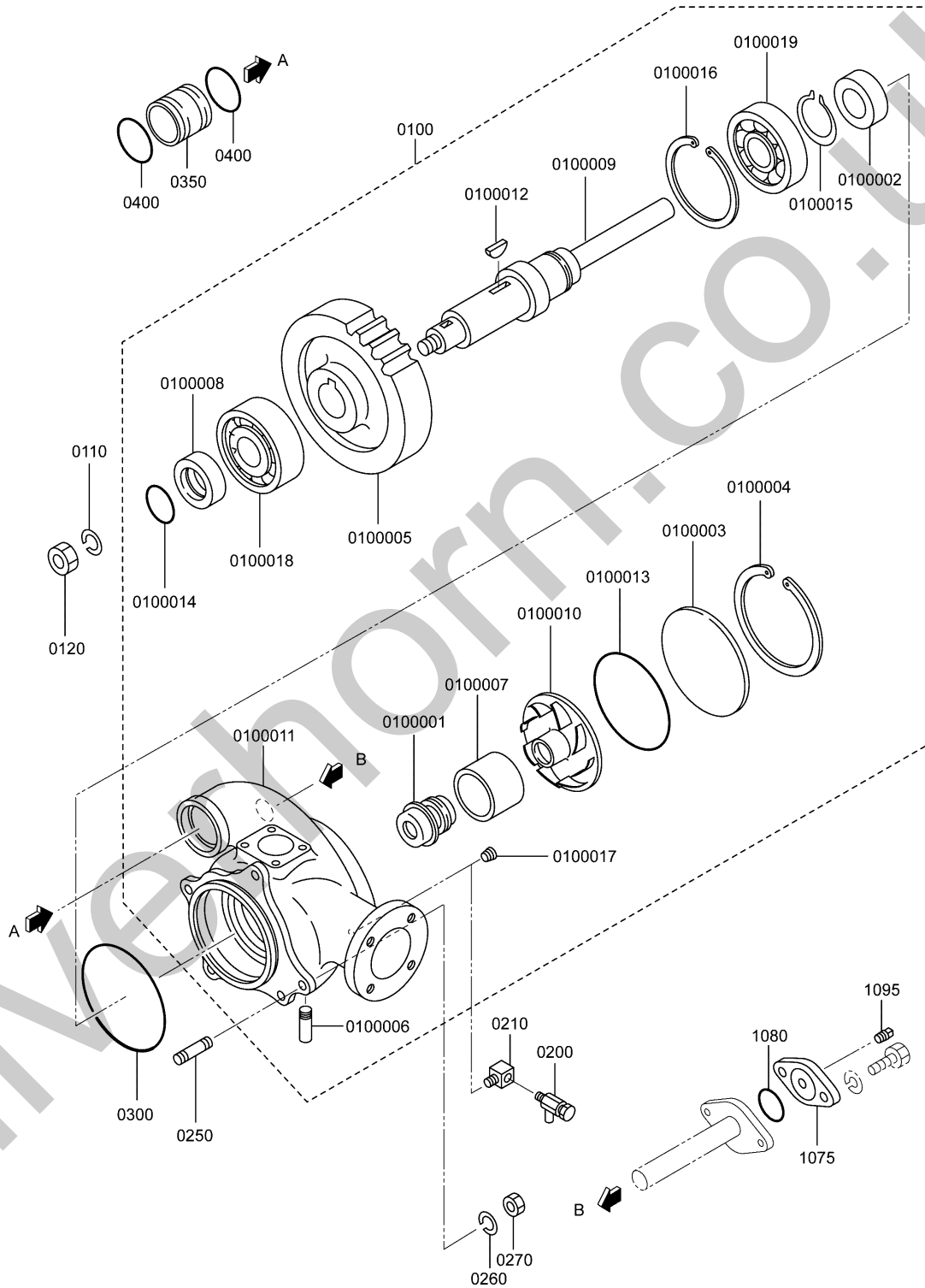
BREATHER (ASSY)

- 87-

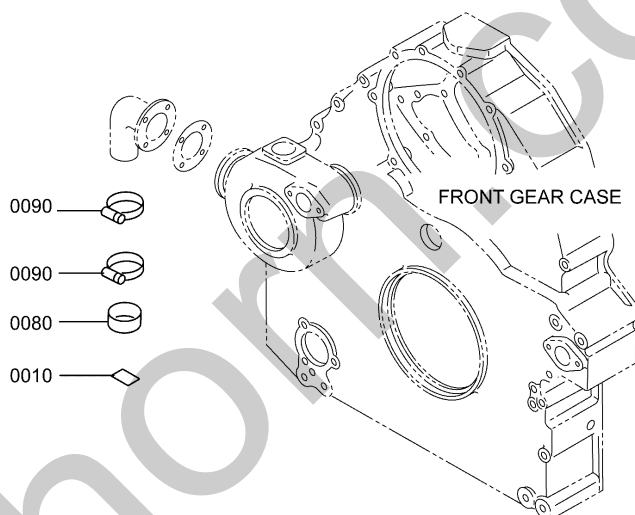
REF. NO.	PART NO.	PART NAME & DESCRIPTION		MODEL & QTY		
				PTA-S		
3000	37543-10022	BREATHER ASSY		2		
3000001	05317-50401	CLAMP		2		
3000002	36242-30200	CHAIN		2		
3000003	32042-20500	PIPE		2		
3000004	32542-01100	CAP		2		
3000005	37543-10101	BREATHER		2		
3010	32542-11300	ELEMENT, BREATHER		2		
3020	F1035-12030	BOLT		4		
3030	F2515-12000	WASHER, SPRING		4		
3040	35B36-02900	GASKET		2		

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REF. NO.	PART NO.	PART NAME & DESCRIPTION		MODEL & QTY		
				PTA-S		
0100	37745-70012	PUMP ASSY, WATER	WITH DUST LIP	1		
0100001	32645-11800	SEAL UNIT		1		
0100002	37525-13400	SEAL, OIL		1		
0100003	37545-00200	COVER		1		
0100004	37545-00300	RING, SNAP		1		
0100005	37725-02200	GEAR, WATER PUMP		1		
0100006	37745-00901	PIPE, WATER PUMP		1		
0100007	37745-10600	RING		1		
0100008	37745-10700	SLEEVE		1		
0100009	37745-20400	SHAFT, WATER PUMP		1		
0100010	37745-20501	IMPELLER		1		
0100011	37745-40101	CASE, WATER PUMP		1		
0100012	F2870-10032	KEY, WOODRUFF		1		
0100013	F3153-17000	O-RING		1		
0100014	F3156-05000	O-RING		1		
0100015	F3200-05500	RING, SNAP		1		
0100016	F3202-12000	RING, SNAP		1		
0100017	F5005-10001	PLUG, TAPERED		1		
0100018	F8010-06310	BEARING, BALL		1		
0100019	F8010-06311	BEARING, BALL		1		
0110	F2515-30000	WASHER, SPRING		1		
0120	F2325-30000	NUT, JAM		1		
0200	37545-02900	COCK, R1/8		1		
0210	34407-02700	CONNECTOR		1		
0250	05977-12060	STUD		3		
0260	F2515-12000	WASHER, SPRING		3		
0270	F2300-12000	NUT		3		
0300	05507-21600	O-RING		1		
0350	37746-00400	JOINT		1		
0400	F3153-10500	O-RING		2		
1075	47525-68800	COVER		1		
1080	F3153-05500	O-RING		1		
1095	F5006-33000	PLUG, TAPERED		1		



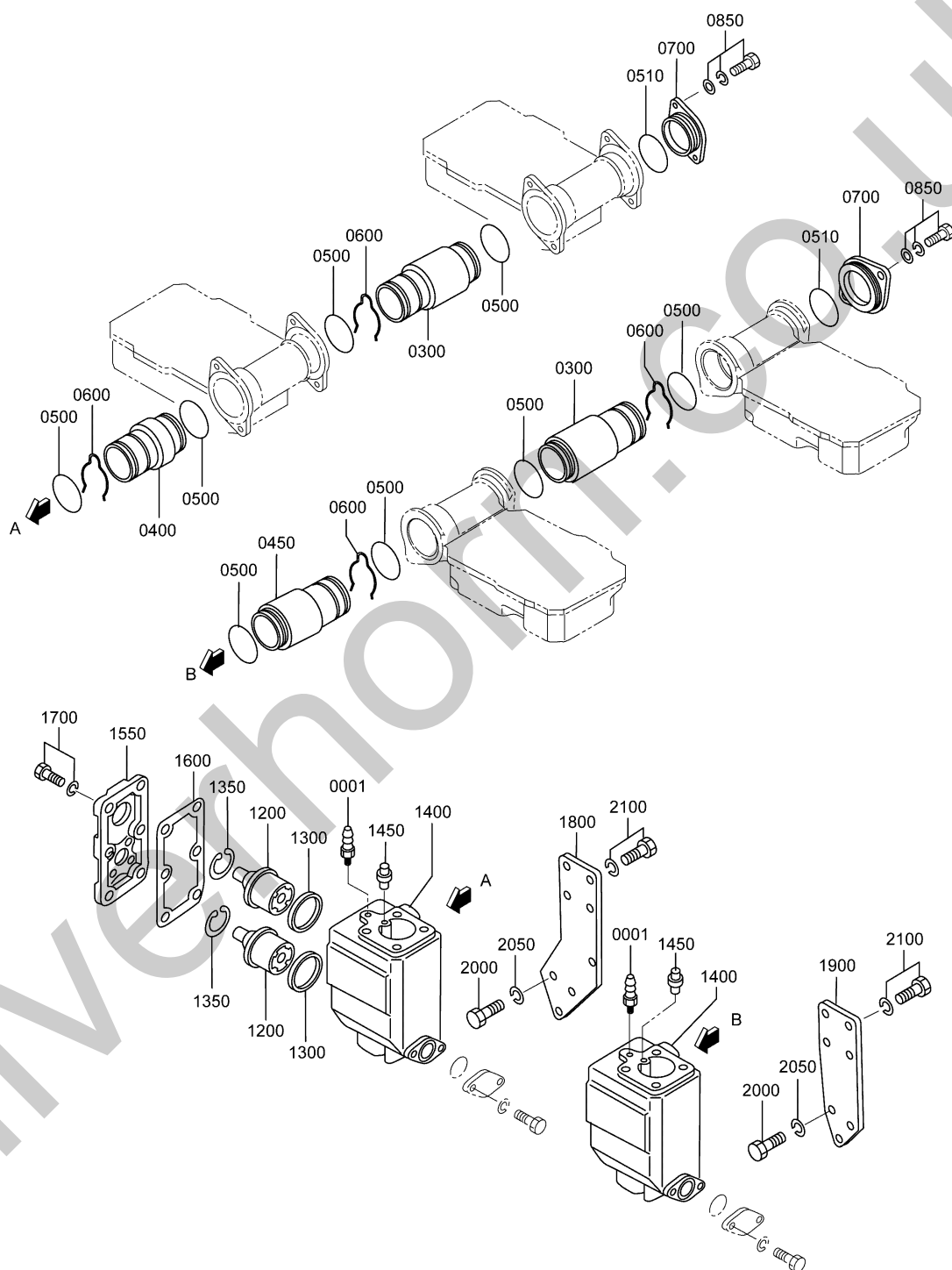
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P3780-451

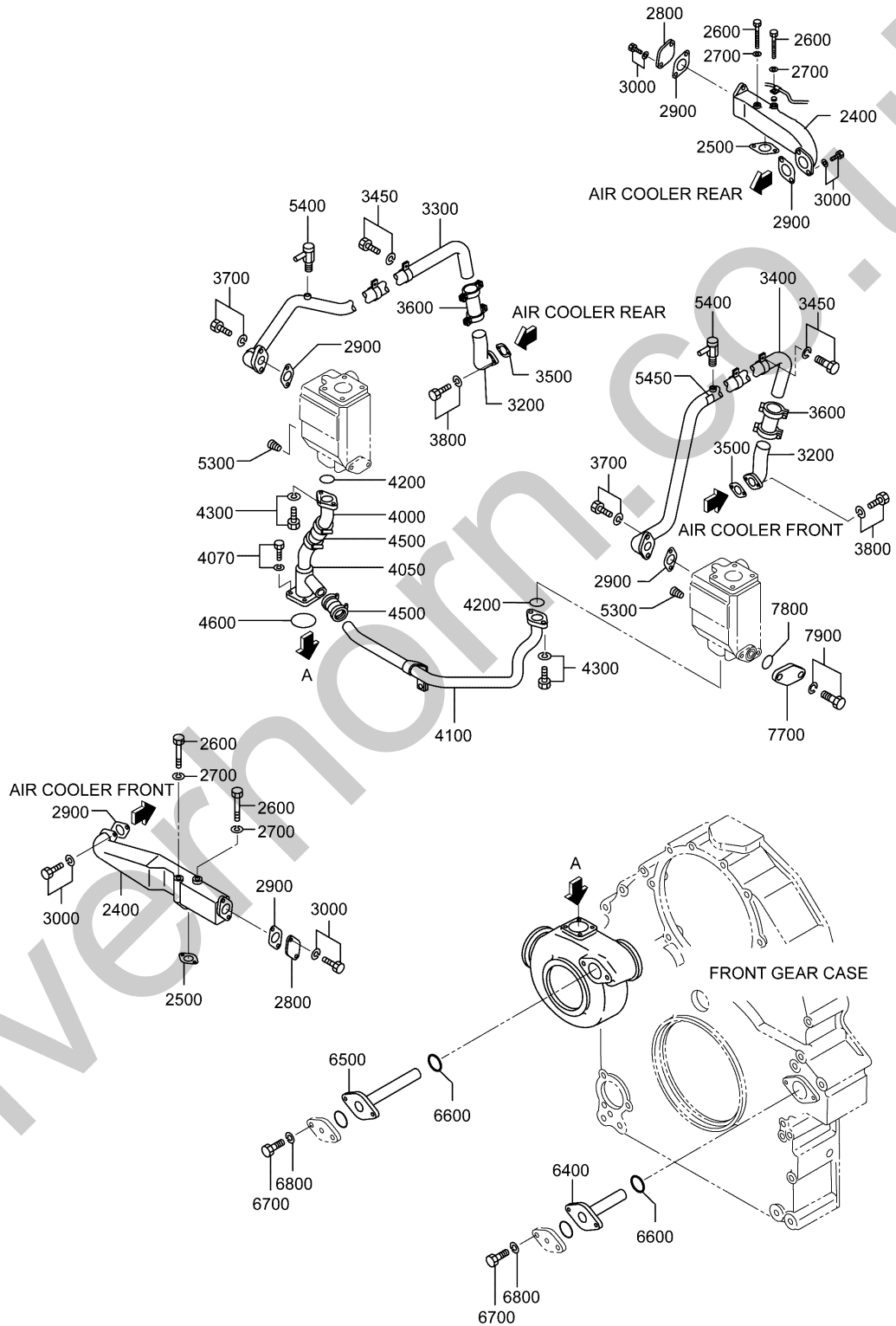
ANTI-CORROSIVE PARTS

- 91-

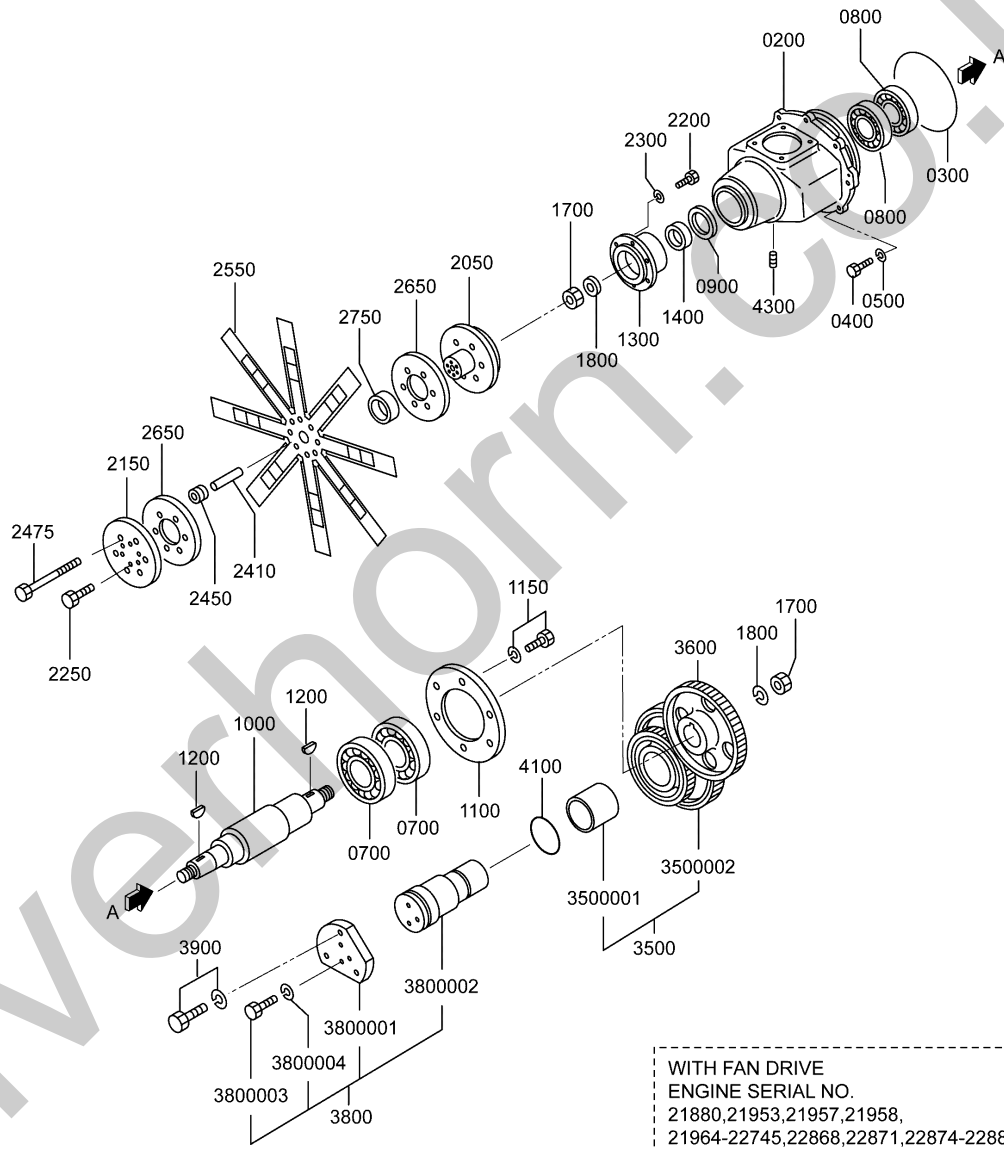
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REF. NO.	PART NO.	PART NAME & DESCRIPTION		MODEL & QTY		
				PTA-S		
0001	47302-06300	NIPPLE		2		
0300	37746-01102	CONNECTOR		14		
0400	37746-01200	CONNECTOR	R. H	1		
0450	37746-01300	CONNECTOR	L. H	1		
0500	05505-31065	O-RING		32		
0510	05505-57060	O-RING		2		
0600	37546-11300	RING, SNAP		16		
0700	37546-21201	COVER		2		
0850	F1825-10030	BOLT, W/WASHER	B/W	4		
1200	37546-31700	THERMOSTAT		4		
1300	37546-01800	SEAL, THERMOSTAT		4		
1350	37546-00900	RING, SNAP		4		
1400	37546-23702	CASE, THERMOSTAT		2		
1450	36646-00090	VALVE ASSY, JIGGLE		2		
1550	37546-17101	COVER, THERMOSTAT		2		
1600	37546-23300	PACKING, COVER		2		
1700	F1805-10030	BOLT, W/WASHER	B/W	12		
1800	37746-13401	BRACKET, THERMO	R. H	1		
1900	37746-13501	BRACKET, THERMO	L. H	1		
2000	F1035-16040	BOLT		6		
2050	F2515-16000	WASHER, SPRING		6		
2100	F1805-10035	BOLT, W/WASHER	B/W	8		



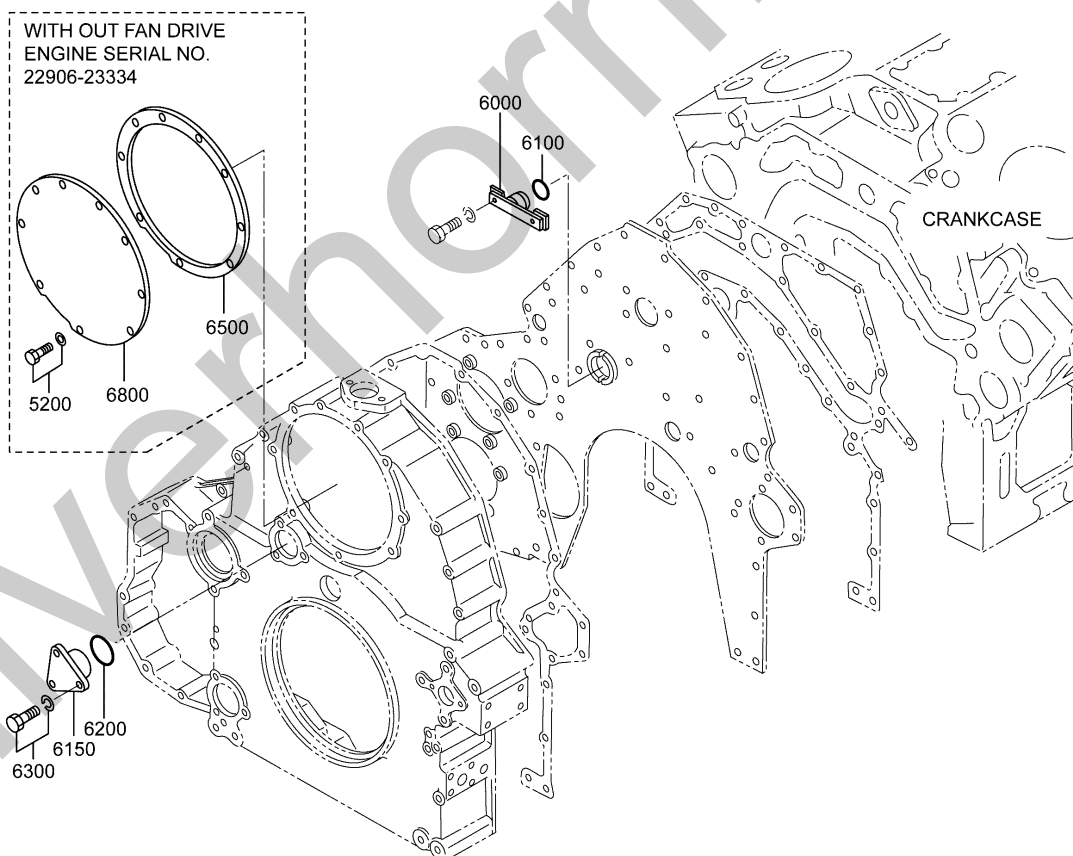
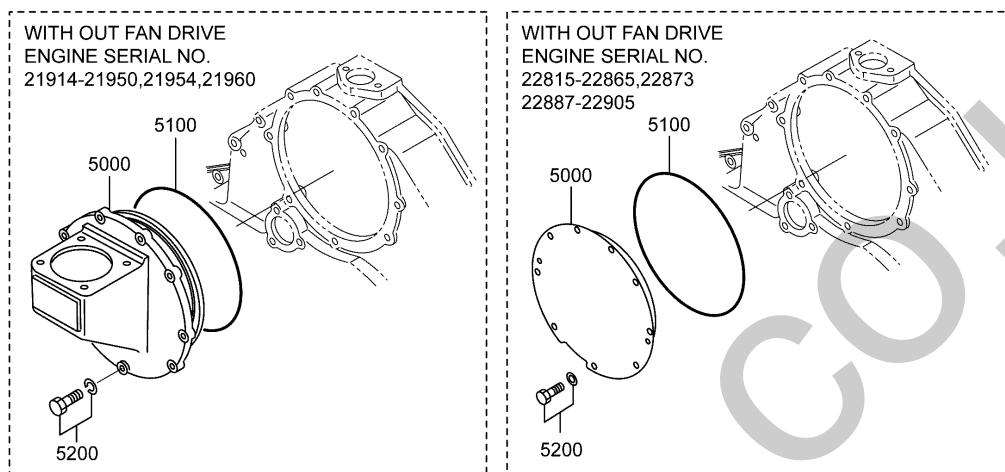
REF. NO.	PART NO.	PART NAME & DESCRIPTION		MODEL & QTY		
				PTA-S		
2400	37746-24100	CONNECTOR, WATER		2		
2500	33336-20500	PACKING		2		
2600	F1035-12110	BOLT		4		
2700	F2515-12000	WASHER, SPRING		4		
2800	33546-06900	COVER		2		
2900	32546-46800	GASKET, SEA WATER		6		
3000	F1805-12030	BOLT, W/WASHER	B/W	8		
3200	37846-24200	PIPE, WATER		2		
3300	37846-24300	PIPE, WATER		1		
3400	37846-24400	PIPE, WATER		1		
3450	F1805-10025	BOLT, W/WASHER	B/W	4		
3500	32546-46800	GASKET, SEA WATER		2		
3600	04826-42050	COUPLING		2		
3700	F1805-12030	BOLT, W/WASHER	B/W	4		
3800	F1805-10020	BOLT, W/WASHER	B/W	4		
4000	37746-24300	PIPE, BY-PASS		1		
4050	37746-04800	PIPE, BY-PASS		1		
4070	F1805-10025	BOLT, W/WASHER	B/W	4		
4100	37746-04400	PIPE, BY-PASS		1		
4200	F3153-06000	O-RING		2		
4300	F1805-10025	BOLT, W/WASHER	B/W	4		
4500	04826-40032	COUPLING		2		
4600	F3150-07000	O-RING		1		
5300	F5005-21001	PLUG, TAPERED		7		
5400	32545-22900	COCK, R 1/8		2		
5450	37546-01600	LABEL, CAUTION		1		
6400	37746-09501	PIPE, WATER HEATER		1		
6500	37746-09601	PIPE, WATER HEATER		1		
6600	F3153-05500	O-RING		2		
6700	F1035-12040	BOLT		4		
6800	F2515-12000	WASHER, SPRING		4		
7700	37546-03500	COVER		2		
7800	F3153-06000	O-RING		2		
7900	F1805-10030	BOLT, W/WASHER	B/W	4		



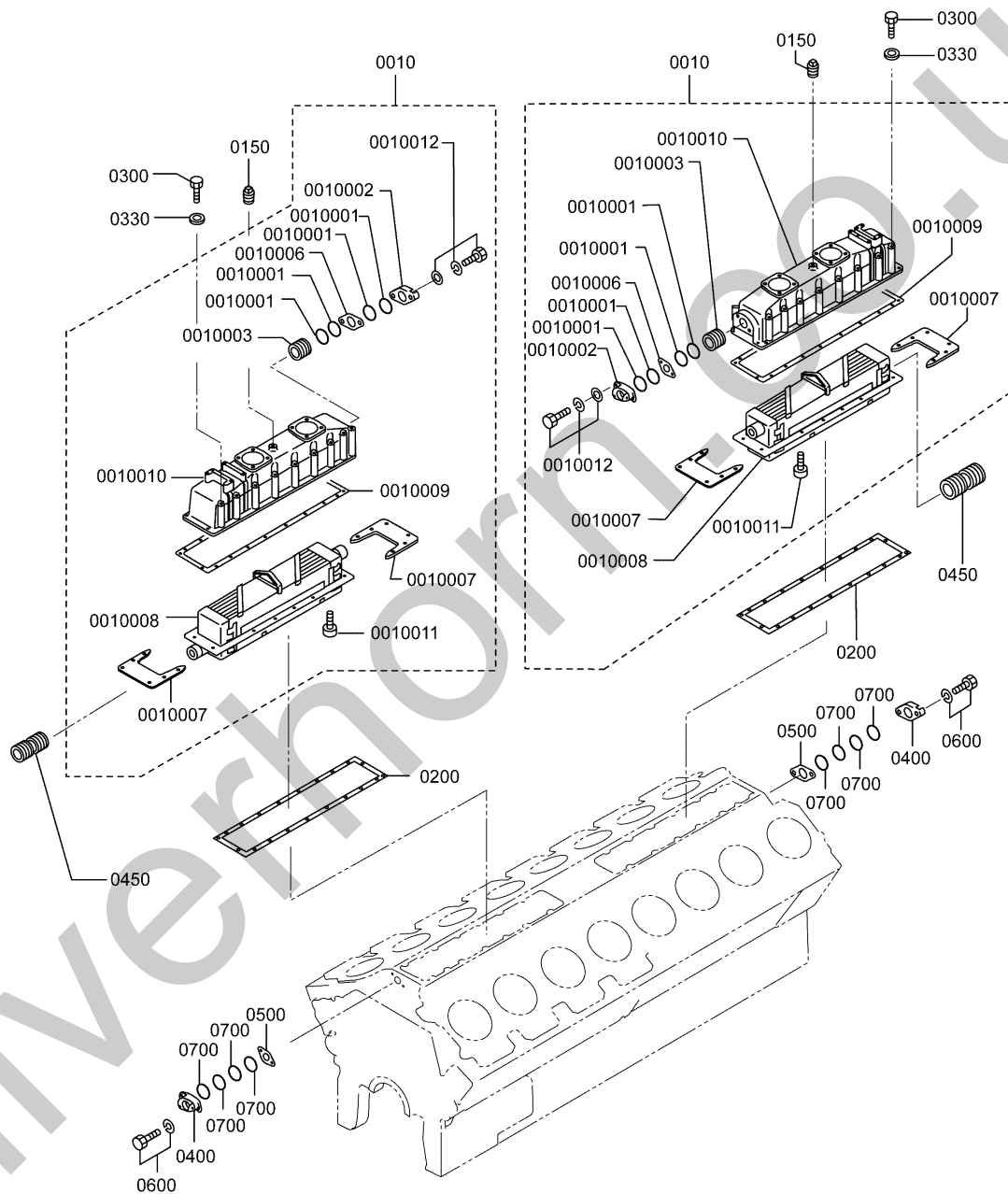
REF. NO.	PART NO.	PART NAME & DESCRIPTION		MODEL & QTY		
				PTA-S		
0200	37748-20102	CASE, FAN DRIVE		1		
0300	05507-22900	O-RING		1		
0400	F1035-12035	BOLT		9		
0500	F2515-12000	WASHER, SPRING		9		
0700	F8005-06411	BEARING, BALL		2		
0800	F8010-06311	BEARING, BALL		2		
0900	F3012-05223	SEAL, OIL		1		
1000	37748-10200	SHAFT, FAN DRIVE		1		
1100	37748-00300	PLATE, THRUST		1		
1150	F1805-10020	BOLT, W/WASHER	B/W	6		
1200	F2870-07025	KEY, WOODRUFF		2		
1300	37748-20400	COUPLING		1		
1400	37748-20500	SLEEVE		1		
1700	F2305-30000	NUT		2		
1800	35A25-00600	WASHER		2		
2050	37748-20900	HUB, FAN		1		
2150	37748-04501	PLATE, FAN		1		
2200	F1035-12030	BOLT		6		
2250	91231-10200	BOLT		6		
2300	F2515-12000	WASHER, SPRING		6		
2410	37748-26400	SPACER		6		
2450	MH022324	GROMMET		6		
2475	30A01-03400	BOLT, CYLINDER HEAD		6		
2550	46648-06400	FAN		1		
2650	37743-40100	RUBBER, FRICTION		2		
2750	37748-16300	BUSHING		1		
3500	37748-03015	GEAR ASSY, IDLER	Z=68&31	1		
3500001	37123-03400	BUSHING		1		
3500002	*	GEAR, IDLER		1		
3600	37748-13201	GEAR, FAN DRIVE	Z=72	1		
3800	37748-14011	SHAFT ASSY, IDLER		1		
3800001	37748-11701	FLANGE, GEAR CASE		1		
3800002	37748-41500	SHAFT, IDLER		1		
3800003	F1035-10025	BOLT		3		
3800004	F2515-10000	WASHER, SPRING		3		
3900	F1805-12030	BOLT, W/WASHER	B/W	3		
4100	05507-20600	O-RING		1		
4300	04827-71300	PLUG, TAPERED		1		

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FAN (WITH OUT FAN DRIVE)



REF. NO.	PART NO.	PART NAME & DESCRIPTION		MODEL & QTY		
				PTA-S		
5000	37743-40101	BRACKET, BREATHER		1		
	37725-01600	COVER, FRONT GEAR CASE	UPTO 22905	1		
5100	05507-22900	O-RING	UPTO 22905	1		
5200	F1805-12035	BOLT, W/WASHER	B/W	9		
	F1805-12025	BOLT, W/WASHER	B/W	9		
6000	37748-11600	PLUG, CASE		1		
6100	05507-20450	O-RING		1		
6150	34A25-04401	FLANGE		1		
6200	05507-20600	O-RING		1		
6300	F1805-12030	BOLT, W/WASHER	B/W	3		
6500	37743-04600	PACKING, BREATHER CASE	FROM 22906	1		
6800	37743-04801	COVER	FROM 22906	1		



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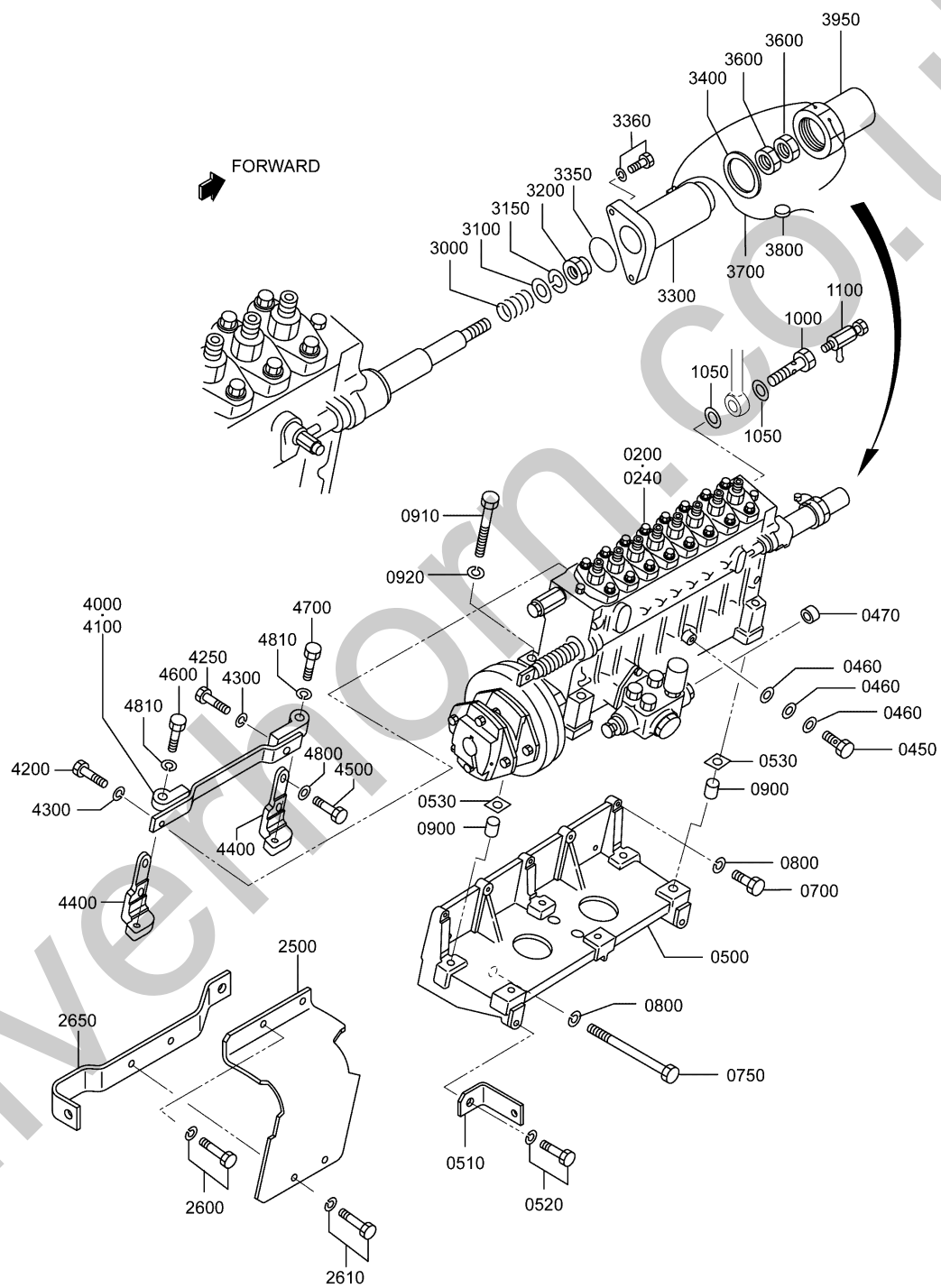
AIR COOLER

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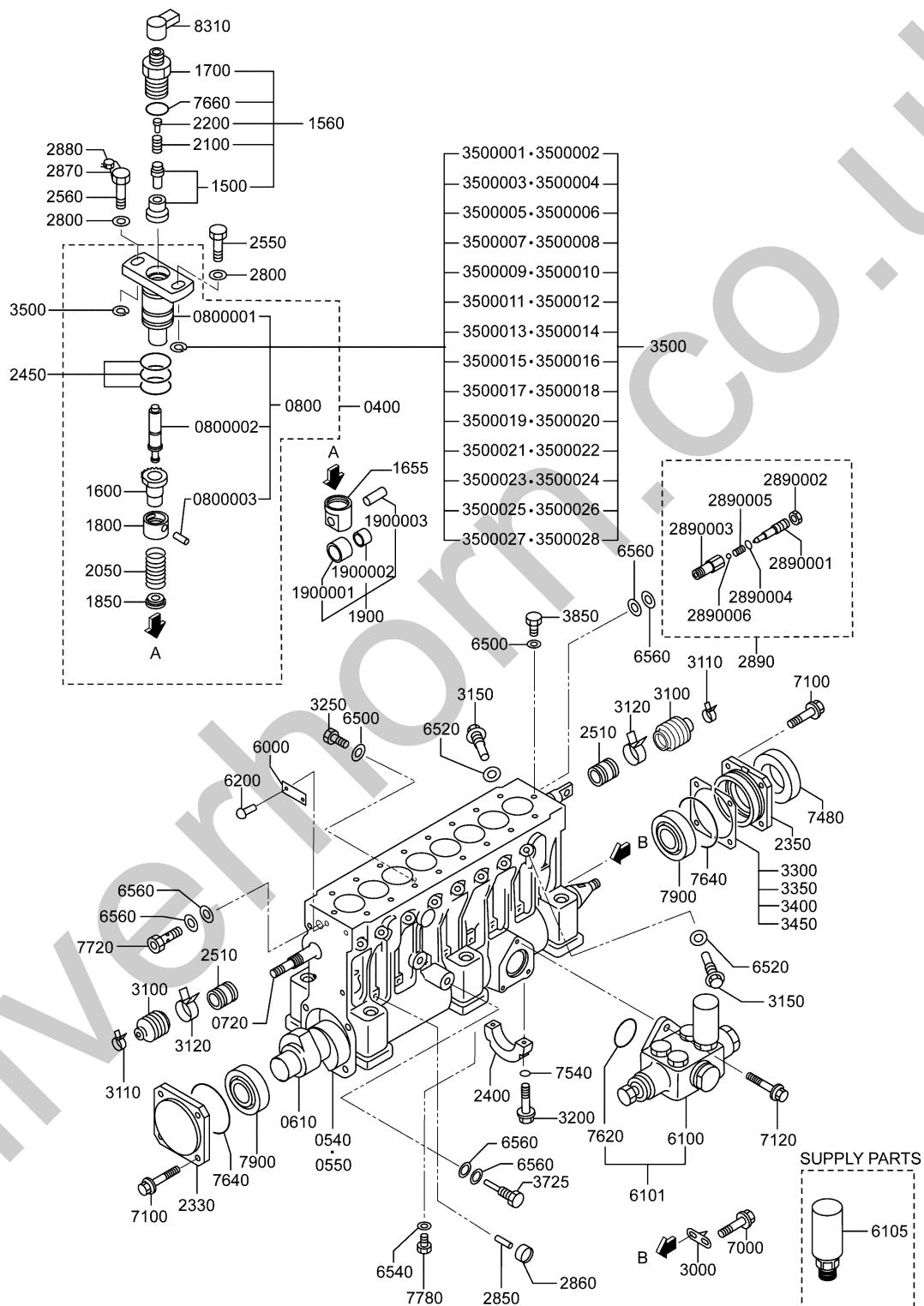
REF. NO.	PART NO.	PART NAME & DESCRIPTION		MODEL & QTY		
				PTA-S		
0010	37855-21003	COOLER ASSY, AIR		2		
0010001	05507-10460	O-RING		8		
0010002	37555-04400	CONNECTOR		2		
0010003	37555-04501	PIPE ASSY		2		
0010006	37555-10600	GASKET, AIR		2		
0010007	37755-01500	PLATE		4		
0010008	37855-11100	ELEMENT, AIR COOLER		2		
0010009	37855-11300	GASKET, AIR COOLER		2		
0010010	37855-21201	COVER, AIR COOLER		2		
0010011	F1620-06012	SCREW, MACHINE		24		
0010012	F1825-10030	BOLT, W/WASHER	B/W	4		
0150	F5006-10000	PLUG, TAPERED		2		
0200	37855-00301	GASKET, AIR COOLER		2		
0300	05978-10180	BOLT		40		
0330	58034-04400	WASHER		40		
0400	37555-04400	CONNECTOR		2		
0450	37555-04500	PIPE		2		
0500	37555-10600	GASKET, AIR		2		
0600	F1805-12030	BOLT, W/WASHER	B/W	4		
0700	05507-10460	O-RING		8		

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REF. NO.	PART NO.	PART NAME & DESCRIPTION		MODEL & QTY		
				PTA-S		
0200	48278-00005	PUMP ASSY , INJECTION	R. H	1		
0240	48277-00005	PUMP ASSY , INJECTION	L. H	1		
0450	37136-19100	BOLT, EYE		2		
0460	05946-01201	WASHER, SEALING		6		
0470	37561-03700	SPACER		2		
0500	37861-61100	BRACKET		2		
0510	37762-13100	STAY, PIPE LEAK	R. H	1		
0520	F1805-12030	BOLT, W/WASHER	B/W	1		
0530	37561-00500	SHIM		6		
0700	F1035-12050	BOLT		10		
0750	F1035-12130	BOLT		8		
0800	37525-07901	WASHER		18		
0900	37561-01800	PIN, DOWEL		4		
0910	F1035-12110	BOLT		12		
0920	37525-07901	WASHER		12		
1000	48230-05200	BOLT, EYE		2		
1050	05946-01401	WASHER, SEALING		4		
1100	31262-51901	COCK, AIR VENT		2		
2500	37761-61700	COVER, COUPLING		2		
2600	F1805-12020	BOLT, W/WASHER	B/W	4		
2610	F1805-10025	BOLT, W/WASHER	B/W	4		
2650	37761-11801	STAY, COVER		2		
3000	37561-11901	SPRING, RETURN		2		
3100	F2500-10000	WASHER, PLAIN		2		
3150	F2515-10000	WASHER, SPRING		2		
3200	F2445-10000	NUT, SELF LOCKING		2		
3300	37561-42801	CASE, SPRING		2		
3350	05507-10360	O-RING		2		
3360	F1805-08020	BOLT, W/WASHER	B/W	4		
3400	05946-02701	WASHER, SEALING		2		
3600	F2325-08000	NUT, JAM		4		
3700	35A61-19900	WIRE, SEAL		2		
3800	48000-96600	SEAL		2		
3950	37561-09901	RACK SET, CAP		2		
4000	37861-11501	STAY, INJECTION PUMP	R. H	1		
4100	37861-11601	STAY, INJECTION PUMP	L. H	1		
4200	F1035-14030	BOLT		3		
4250	F1035-14040	BOLT		1		
4300	F2515-14000	WASHER, SPRING		4		
4400	37761-21601	STAY, INJECTION PUMP		4		
4500	F1035-12030	BOLT		8		
4600	F1035-12040	BOLT		3		
4700	F1035-12050	BOLT		1		
4800	F2515-12000	WASHER, SPRING		12		
4810	33311-01600	WASHER		4		



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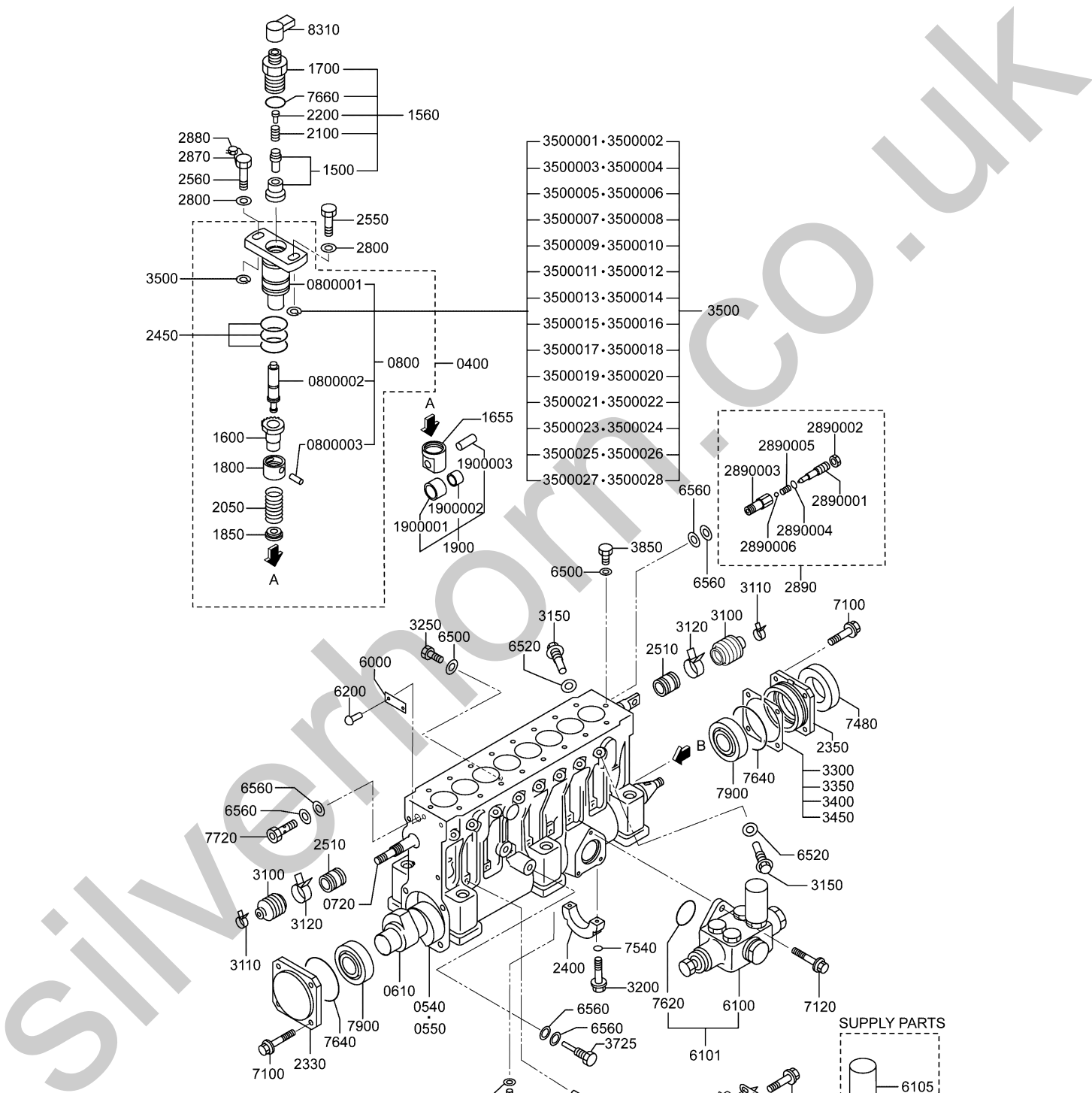
PUMP ASSY (BODY)

-105-

REF. NO.	PART NO.	PART NAME & DESCRIPTION		MODEL & QTY		
				PTA-S		
0400	48291-17036	BLOCK ASSY, PLUNGER	L. H R. H	16		
0540	48240-30100	CASE, PUMP		1		
0550	48245-30100	CASE, PUMP		1		
0610	48213-50202	CAMSHAFT		2		
0720	48A32-10103	RACK, WITH HOLE		2		
0800	48270-11004	PLUNGER ASSY	CPV	16		
0800001	*	BARREL		16		
0800002	*	PLUNGER, D17 TWIN		16		
0800003	49168-18800	PIN, KNOCK		16		
1500	48270-50010	VALVE ASSY, DELIVERY		16		
1560	48270-30018	HOLDER KIT, CPV		16		
1600	48202-28101	PINION		16		
1655	48202-35902	TAPPET		16		
1700	48270-14101	HOLDER, CPV		16		
1800	48202-21202	SEAT, UPPER SPRING		16		
1850	48202-21302	SEAT, LOWER SPRING		16		
1900	48A15-01002	TAPPET ROLLER ASSY		16		
1900001	*	ROLLER, TAPPET		16		
1900002	*	BUSHING, ROLLER		16		
1900003	*	PIN, ROLLER		16		
2050	48202-11700	SPRING, PLUNGER		16		
2100	48270-11801	SPRING, CPV		16		
2200	48A16-00101	SEAT, SPRING CPV		16		
2330	48210-35602	COVER, FRONT		2		
2350	48202-22202	COVER, REAR		2		
2400	48202-02300	BEARING, CENTER		2		
2450	48202-12400	O-RING		48		
2510	48202-42501	BUSH, RACK		4		
2550	48202-02601	BOLT, BARREL		16		
2560	48202-07601	BOLT, BARREL		16		
2800	48202-22800	WASHER, BARREL		32		
2850	48202-02901	PIN		18		
2860	04826-21000	CAP, SEALING		18		
2870	48202-05800	WIRE		2		
2880	48202-07700	SEAL		2		
2890	48202-54001	VALVE ASSY, CHECK		2		
2890001	*	SCREW		2		
2890002	05634-01200	NUT, SELF LOCKING		2		
2890003	*	BODY, VALVE		2		
2890004	05507-10060	O-RING		2		
2890005	*	SPRING, VALVE	4. 0-5. 0 D16	2		
2890006	F8000-08000	STEEL BALL, BEARING		2		
3000	48A13-02201	POINTER		2		
3100	48202-23500	BELLOWS		4		
3110	48202-08201	BAND, BELLOWS		4		

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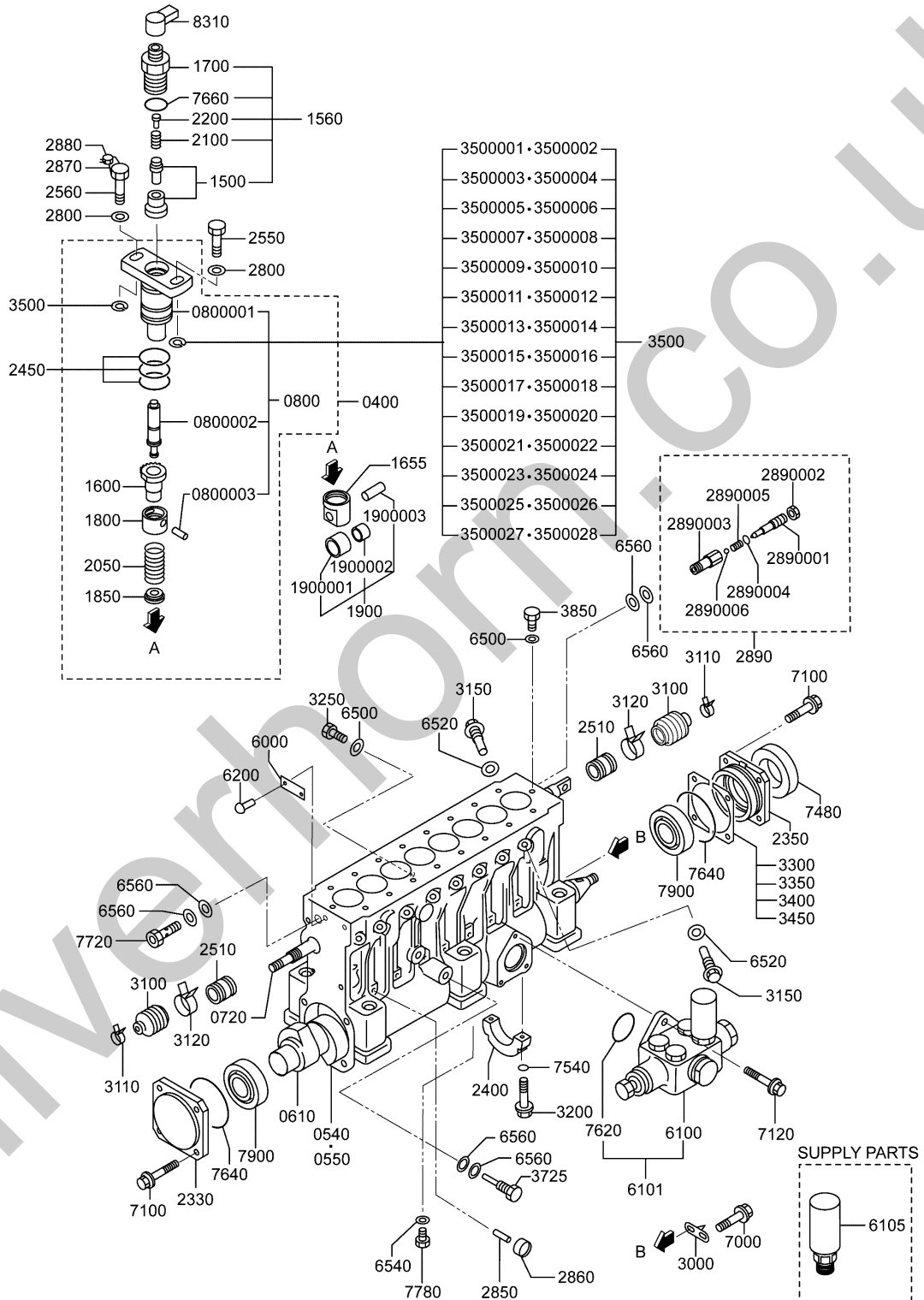
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REF. NO.	PART NO.	PART NAME & DESCRIPTION		MODEL & QTY		
				PTA-S		
3120	48202-08301	BAND, BELLOWS	D30	4		
3150	48202-33600	BOLT, DEFLECTOR		32		
3200	F1010-08050	BOLT, FLANGE		4		
3250	48202-33900	SCREW, SET		2		
3300	48202-14100	SHIM, CASE	T=0. 50	AR		
3350	48202-14200	SHIM, CASE	T=0. 10	AR		
3400	48202-14300	SHIM, CASE	T=0. 15	AR		
3450	48202-14400	SHIM, CASE	T=0. 30	AR		
3500	*	SHIM SET, BARREL		16		
3500001	48270-05100	SHIM, BARREL	T=0. 40	AR		
3500002	48270-05200	SHIM, BARREL	T=0. 45	AR		
3500003	48270-05300	SHIM, BARREL	T=0. 50	AR		
3500004	48270-05400	SHIM, BARREL	T=0. 55	AR		
3500005	48270-05500	SHIM, BARREL	T=0. 60	AR		
3500006	48270-05600	SHIM, BARREL	T=0. 65	AR		
3500007	48270-05700	SHIM, BARREL	T=0. 70	AR		
3500008	48270-05800	SHIM, BARREL	T=0. 75	AR		
3500009	48270-05900	SHIM, BARREL	T=0. 80	AR		
3500010	48270-06100	SHIM, BARREL	T=0. 85	AR		
3500011	48270-06200	SHIM, BARREL	T=0. 90	AR		
3500012	48270-06300	SHIM, BARREL	T=0. 95	AR		
3500013	48270-06400	SHIM, BARREL	T=1. 00	AR		
3500014	48270-06500	SHIM, BARREL	T=1. 05	AR		
3500015	48270-06600	SHIM, BARREL	T=1. 10	AR		
3500016	48270-06700	SHIM, BARREL	T=1. 15	AR		
3500017	48270-06800	SHIM, BARREL	T=1. 20	AR		
3500018	48270-06900	SHIM, BARREL	T=1. 25	AR		
3500019	48270-07100	SHIM, BARREL	T=1. 30	AR		
3500020	48270-07200	SHIM, BARREL	T=1. 35	AR		
3500021	48270-07300	SHIM, BARREL	T=1. 40	AR		
3500022	48270-07400	SHIM, BARREL	T=1. 45	AR		
3500023	48270-07500	SHIM, BARREL	T=1. 50	AR		
3500024	48270-07600	SHIM, BARREL	T=1. 55	AR		
3500025	48270-07700	SHIM, BARREL	T=1. 60	AR		
3500026	48270-07800	SHIM, BARREL	T=1. 65	AR		
3500027	48270-07900	SHIM, BARREL	T=1. 70	AR		
3500028	48270-08100	SHIM, BARREL	T=1. 75	AR		
3725	48202-15100	BOLT, EYE		2		
3850	48202-05500	BOLT, EYE		4		
6000	*	PLATE, NAME		2		
6100	*	PUMP, FEED		2		
6101	04245-01120	PUMP KIT, FEED		2		
6105	48A19-00100	PUMP, PRIMING		2		
6200	00665-02048	RIVET, SCREW		4		
6500	05946-00801	WASHER, SEALING		6		

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PUMP ASSY (BODY)



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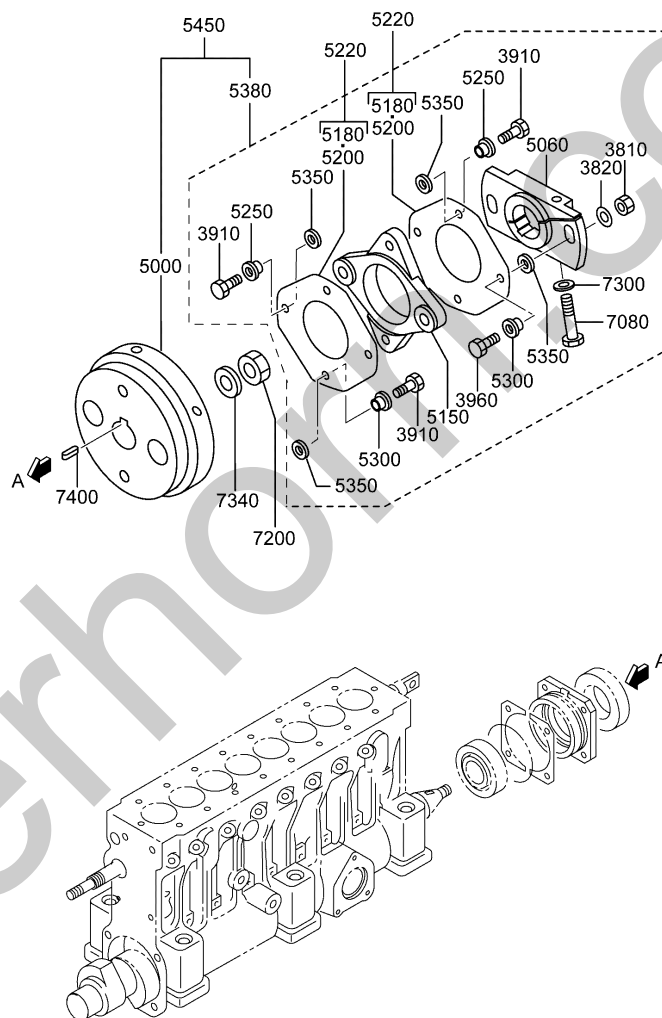
PUMP ASSY (BODY)

-109-

REF. NO.	PART NO.	PART NAME & DESCRIPTION	MODEL & QTY		
			PTA-S		
6520	05946-01001	WASHER, SEALING	32		
6540	05946-01201	WASHER, SEALING	2		
6560	05946-01401	WASHER, SEALING	12		
7000	F1010-06012	BOLT, FLANGE	4		
7100	F1010-08025	BOLT, FLANGE	16		
7120	F1010-06016	BOLT, FLANGE	6		
7480	48202-07100	SEAL, OIL	2		
7540	05507-10080	O-RING	4		
7620	05507-20350	O-RING	2		
7640	05507-20800	O-RING	4		
7660	05507-20250	O-RING	16		
7720	48230-05200	BOLT, EYE	2		
7780	F5000-12000	PLUG, DRAIN	2		
7900	F8143-32207	BEARING, TAPERED ROLLER	4		
8310	48291-01300	CAP, HOLDER	16		

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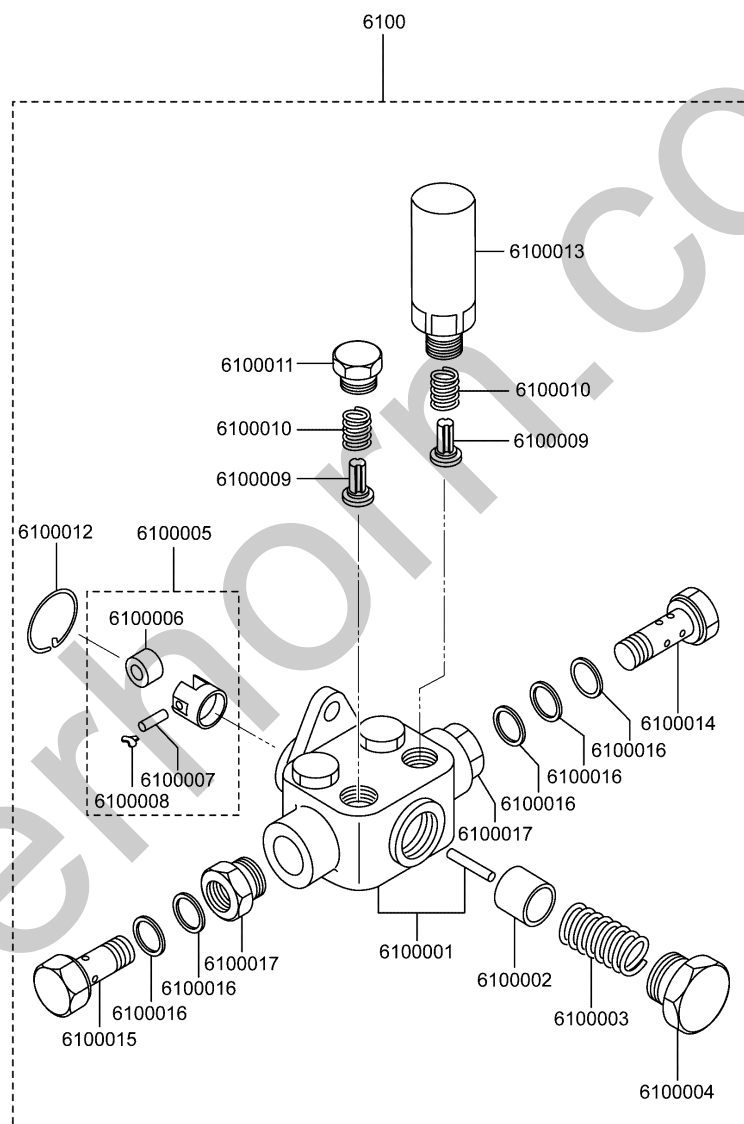
PUMP ASSY (COUPLING)

-111-

REF. NO.	PART NO.	PART NAME & DESCRIPTION		MODEL & QTY		
				PTA-S		
3810	48250-05700	NUT, FLANGE	WIDE	4		
3820	48250-05602	WASHER, COUPLING		4		
3910	48250-05801	BOLT, SHORT		12		
3960	48250-05301	BOLT, LONG		4		
5000	48250-06101	FLYWHEEL		2		
5060	48208-11203	COUPLING		2		
5150	48250-16600	COUPLING, CROSS		2		
5180	48208-01401	PLATE, LAMINATE		8		
5200	48208-10401	PLATE, LAMINATE		24		
5220	*	PLATE KIT, LAMINATE		4		
5250	48208-50501	BUSH, LONG		8		
5300	48208-50601	BUSH, SHORT		16		
5350	48208-30702	WASHER, COUPLING		16		
5380	48208-12024	COUPLING KIT		2		
5450	48208-21024	COUPLING ASSY		2		
7080	F1035-14085	BOLT		2		
7200	F2325-24000	NUT, JAM		2		
7300	48A17-08100	WASHER, COUPLING		2		
7340	32507-01400	WASHER		2		
7400	F2870-07025	KEY, WOODRUFF		2		

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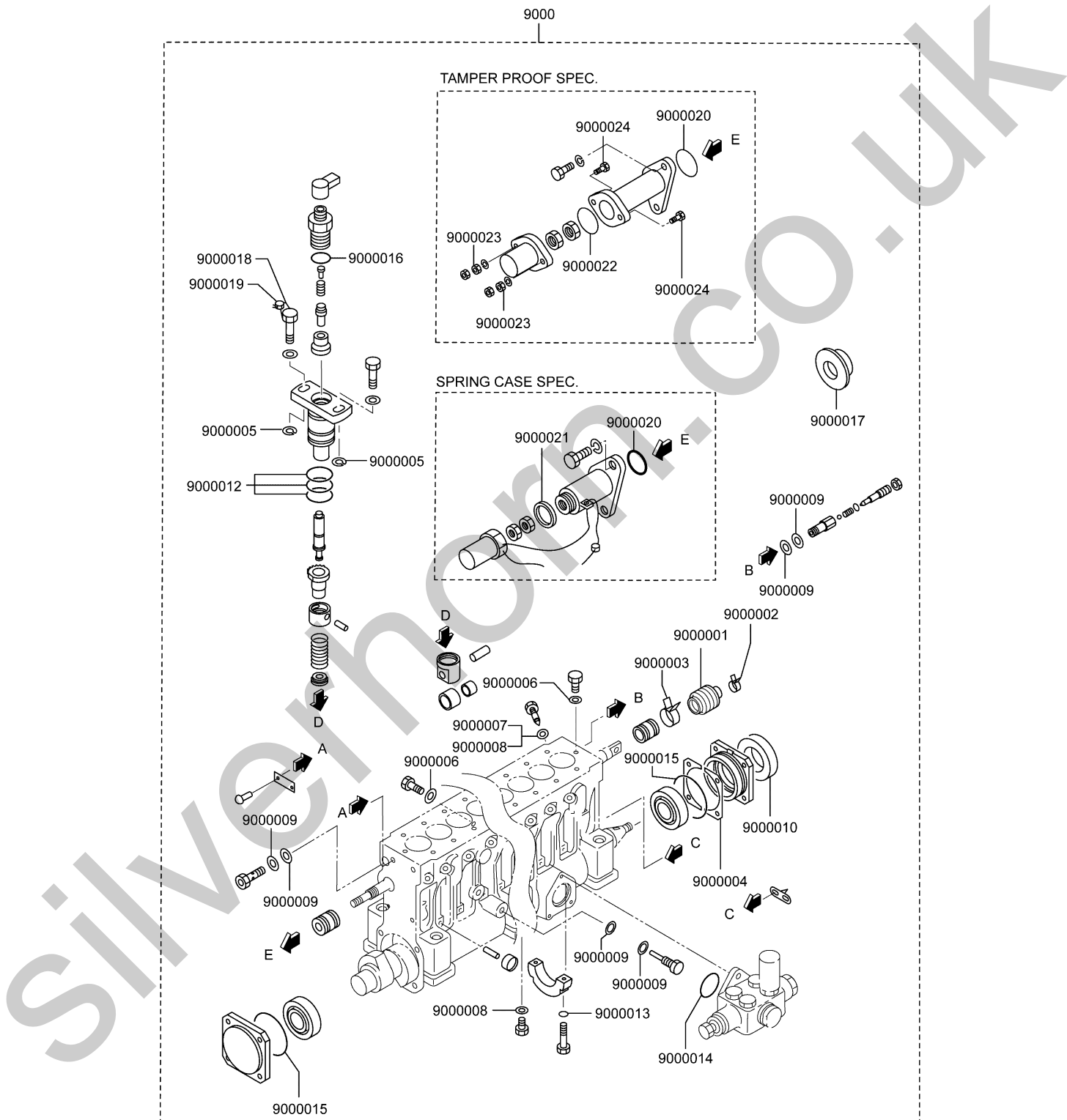
PUMP ASSY (FEED PUMP)

-113-

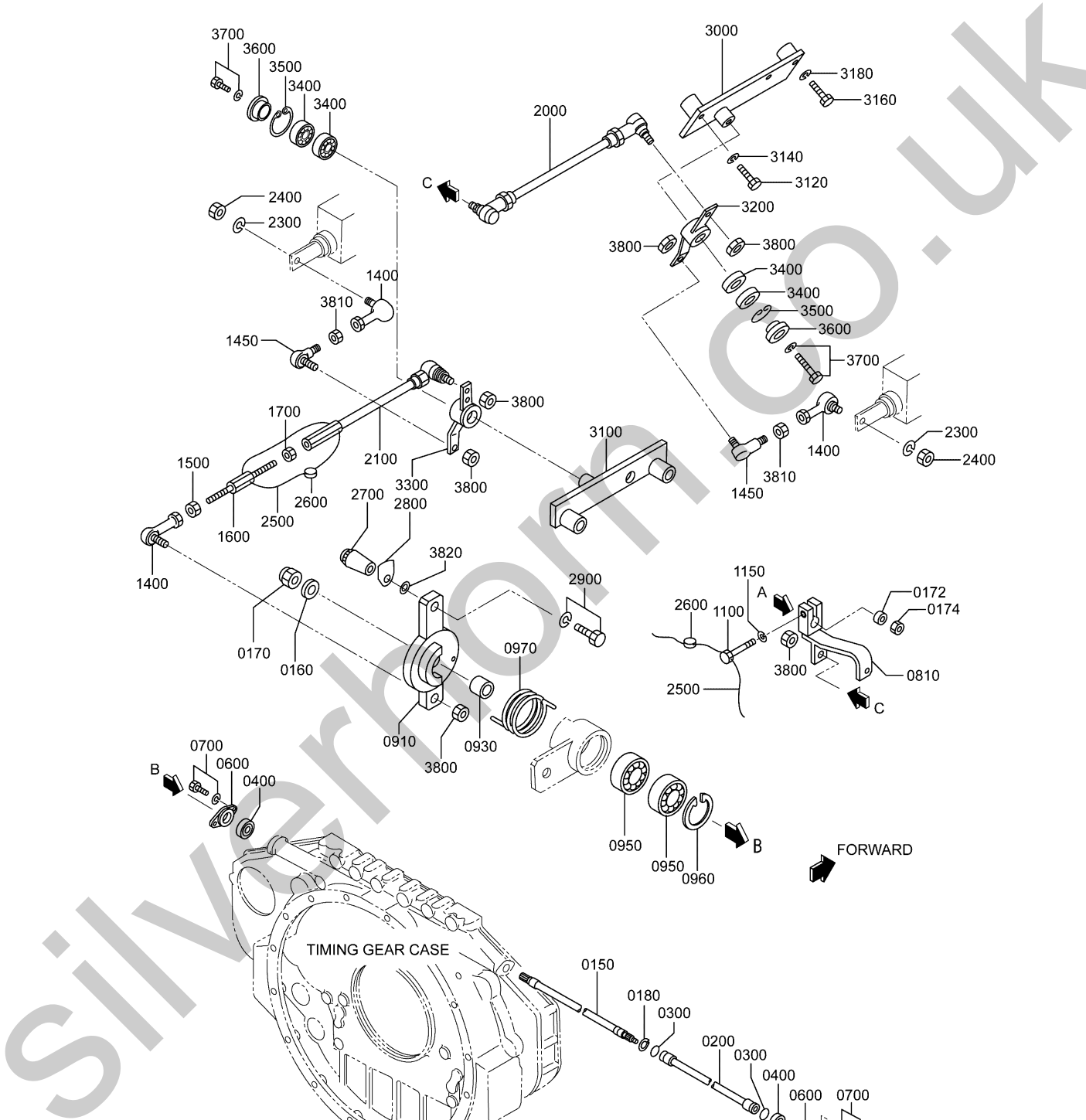
REF. NO.	PART NO.	PART NAME & DESCRIPTION		MODEL & QTY		
				PTA-S		
6100	*	PUMP, FEED		2		
6100001	15200-21720	HOUSING		2		
6100002	15210-01120	PISTON		2		
6100003	15210-40100	SPRING, PISTON		2		
6100004	15210-50400	PLUG		2		
6100005	15211-11920	TAPPET ASSY		2		
6100006	15211-20100	ROLLER		2		
6100007	15211-30700	PIN		2		
6100008	15211-40400	GUIDE		4		
6100009	15211-50200	VALVE		8		
6100010	15211-60200	SPRING		8		
6100011	15211-70100	PLUG		6		
6100012	15212-10200	RING, SNAP		2		
6100013	15220-05620	PUMP, PRIMING		2		
6100014	15230-04020	BOLT, EYE		2		
6100015	02973-14570	BOLT, EYE		2		
6100016	02934-14130	GASKET		10		
6100017	15231-01300	ADAPTER		4		

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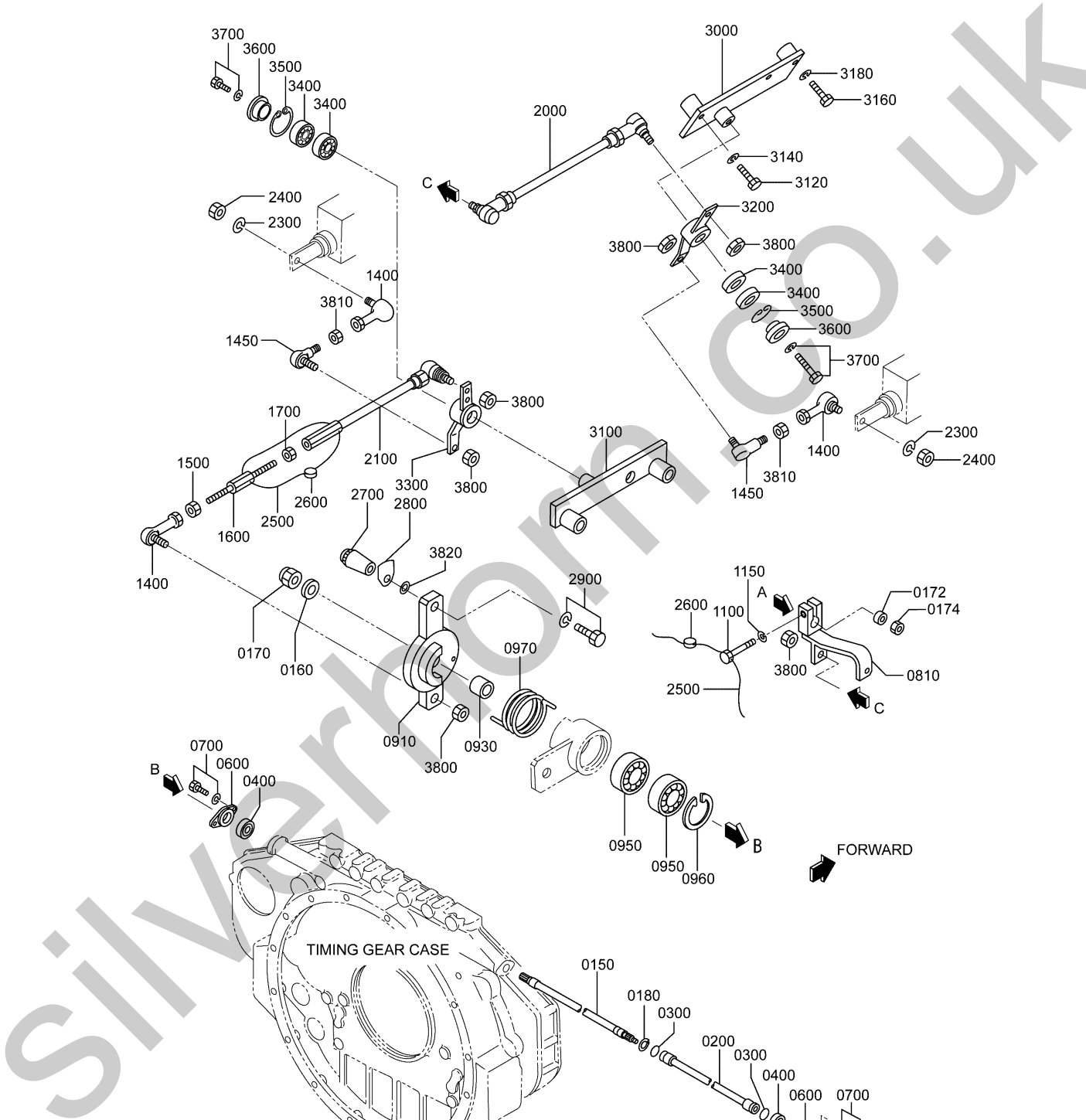
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REF. NO.	PART NO.	PART NAME & DESCRIPTION		MODEL & QTY		
				PTA-S		
9000	48202-59101	GASKET KIT, OVERHAUL		2		
9000001	48202-13501	BELLOWS	W/O BAND	4		
	48202-23500	BELLOWS	W/BAND	4		
9000002	48202-08200	BAND		4		
9000003	48202-08300	BAND		4		
9000004	48202-14100	SHIM, CASE	T=0. 50	AR		
	48202-14200	SHIM, CASE	T=0. 10	AR		
	48202-14300	SHIM, CASE	T=0. 15	AR		
	48202-14400	SHIM, CASE	T=0. 30	AR		
9000005	48270-05600	SHIM, BARREL	T=0. 65	AR		
	48270-05700	SHIM, BARREL	T=0. 70	AR		
	48270-05800	SHIM, BARREL	T=0. 75	AR		
	48270-05900	SHIM, BARREL	T=0. 80	AR		
	48270-06100	SHIM, BARREL	T=0. 85	AR		
	48270-06200	SHIM, BARREL	T=0. 90	AR		
	48270-06300	SHIM, BARREL	T=0. 95	AR		
	48270-06400	SHIM, BARREL	T=1. 00	AR		
	48270-06500	SHIM, BARREL	T=1. 05	AR		
	48270-06600	SHIM, BARREL	T=1. 10	AR		
	48270-06700	SHIM, BARREL	T=1. 15	AR		
	48270-06800	SHIM, BARREL	T=1. 20	AR		
	48270-06900	SHIM, BARREL	T=1. 25	AR		
9000006	05946-00801	WASHER, SEALING		6		
9000007	05946-01001	WASHER, SEALING		32		
9000008	05946-01201	WASHER, SEALING		34		
9000009	05946-01401	WASHER, SEALING		12		
9000010	48202-07100	SEAL, OIL		2		
9000011	F3019-02531	SEAL, OIL	NOT SHOWN	2		
9000012	48202-12400	O-RING		48		
9000013	05507-10080	O-RING		4		
9000014	05507-20350	O-RING		2		
9000015	05507-20800	O-RING		4		
9000016	05507-20250	O-RING		16		
9000017	48202-09200	SLEEVE, OIL SEAL		2		
9000018	48202-05800	WIRE		2		
9000019	48202-07700	SEAL		2		
9000020	05507-10360	O-RING		2		
9000021	05946-02701	WASHER, SEALING		2		
9000022	05507-10390	O-RING		2		
9000023	37564-05200	NUT, TAMPER PROOF		4		
9000024	F1035-08045	BOLT		4		



REF. NO.	PART NO.	PART NAME & DESCRIPTION	MODEL & QTY		
			PTA-S		
0150	37761-27100	SHAFT, CONTROL	1		
0160	34A48-02100	WASHER	1		
0170	F2445-10000	NUT, SELF LOCKING	1		
0172	37763-06200	SPACER	1		
0174	37763-06400	NUT, LOCK	1		
0180	F3200-01700	RING, SNAP	1		
0200	37761-16200	PIPE, TIMING GEAR CASE	1		
0300	32663-06300	O-RING	2		
0400	32663-16200	BEARING, BALL RUBBER	2		
0600	37461-00501	COVER, BEARING	2		
0700	F1805-08016	BOLT, W/WASHER	4		
0810	37761-36902	LEVER, R. H	1		
0910	37761-67200	LEVER, L. H	1		
0930	37432-06801	SPACER	1		
0950	F8007-06201	BEARING, BALL	2		
0960	F3202-03200	RING, SNAP	1		
0970	32561-58600	SPRING	1		
1100	F1115-08025	BOLT, LOCKING WIRE	1		
1150	F2515-08000	WASHER, SPRING	1		
1400	35A61-38602	JOINT, BALL	3		
1450	37563-15402	JOINT, BALL	2		
1500	37560-04800	NUT, LOCK	1		
1600	05903-00100	ROD	1		
1700	09413-00800	NUT, LOCK	1		
2000	37761-28702	LINK, R. H	1		
2100	37761-28802	LINK, L. H	1		
2300	F2515-08000	WASHER, SPRING	2		
2400	F2300-08000	NUT	2		
2500	35A61-19900	WIRE, SEAL	2		
2600	34A87-07200	SEAL	2		
2700	34A87-07100	GRIP	1		
2800	45940-30101	PLATE, CAUTION	1		
2900	F1805-08025	BOLT, W/WASHER	1		
3000	37761-27500	BRACKET, LEVER	1		
3100	37761-27600	BRACKET, LEVER	1		
3120	37761-19301	BOLT, LEVER BRACKET	2		
3140	F2515-14000	WASHER, SPRING	2		
3160	F1035-12065	BOLT	2		
3180	F2515-12000	WASHER, SPRING	2		
3200	37761-17701	LEVER, LINK	1		
3300	37761-27801	LEVER, LINK	1		
3400	F8007-06200	BEARING, BALL	4		
3500	F3202-03000	RING, SNAP	2		
3600	32561-28300	PLATE, END	2		
3700	F1805-10040	BOLT, W/WASHER	2		

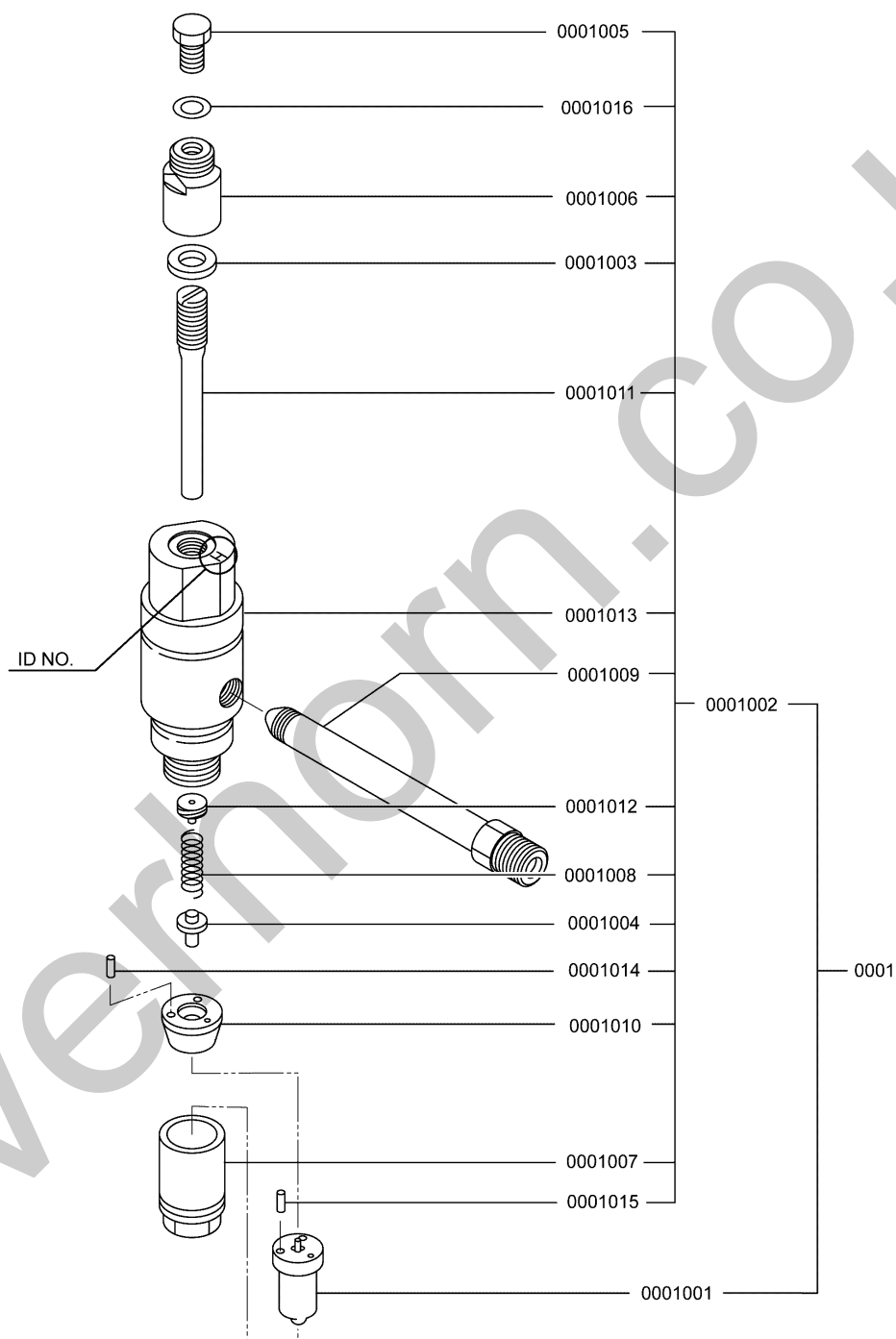


P3780-611

FUEL RACK CONTROL

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The nozzle holder has stamped ID NO. on the body to identify the nozzle specification.

P3780-612-01

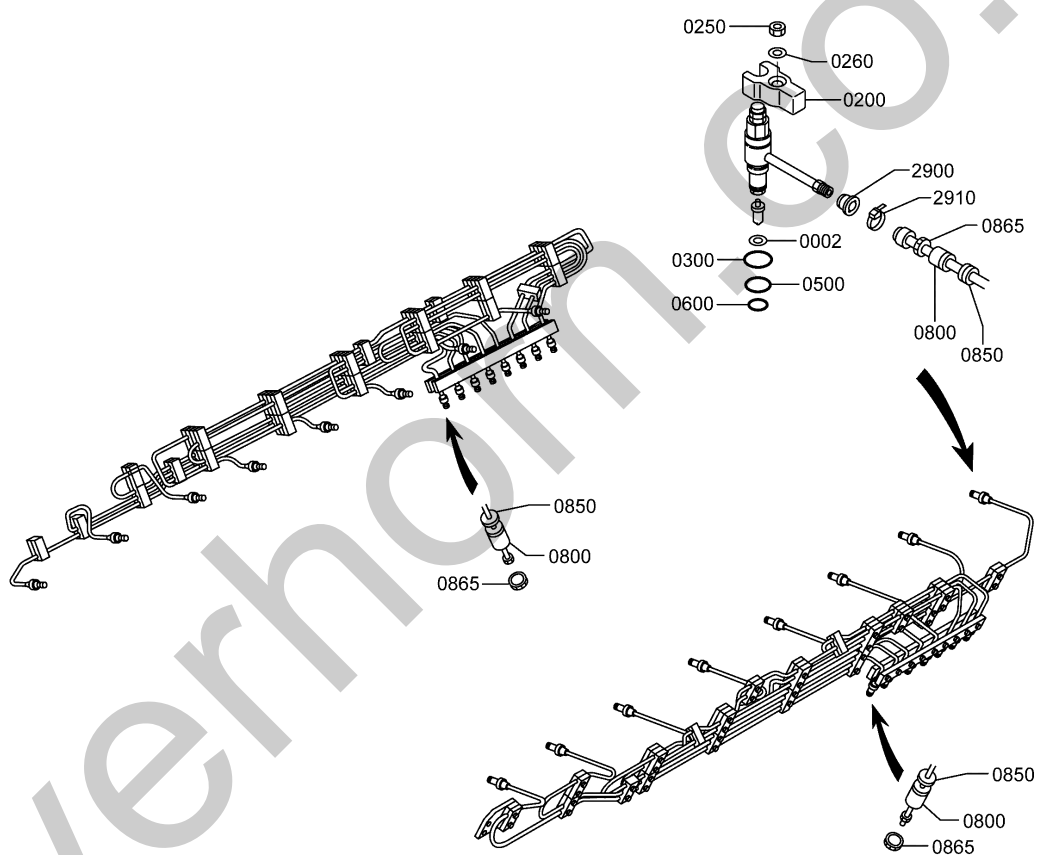
INJECTION PIPE NOZZLE
(NOZZLE ASSY)

-121-

REF. NO.	PART NO.	PART NAME & DESCRIPTION	MODEL & QTY		
			PTA-S		
0001	37760-26002	NOZZLE ASSY	16		
0001001	37760-02300	TIP ASSY, NOZZLE	16		
0001002	37760-22012	HOLDER ASSY, NOZZLE	16		
0001003	05946-01401	WASHER, SEALING	16		
0001004	48726-10500	RETAINER	16		
0001005	33407-03901	SCREW, SET	16		
0001006	37561-16600	NUT, CAP	16		
0001007	37760-01200	NUT, RETAINING	16		
0001008	48726-00402	SPRING, NEEDLE VALVE	16		
0001009	37561-56700	CONNECTOR, INLET	16		
0001010	37760-01300	PIECE, DISTANCE	16		
0001011	37561-46500	SCREW, ADJUSTING	16		
0001012	37760-01400	SEAT, SPRING	16		
0001013	37760-11600	BODY, NOZZLE HOLDER	16		
0001014	F8001-30014	BEARING, ROLLER	32		
0001015	F8001-30010	BEARING, ROLLER	32		
0001016	05946-01001	WASHER, SEALING	16		

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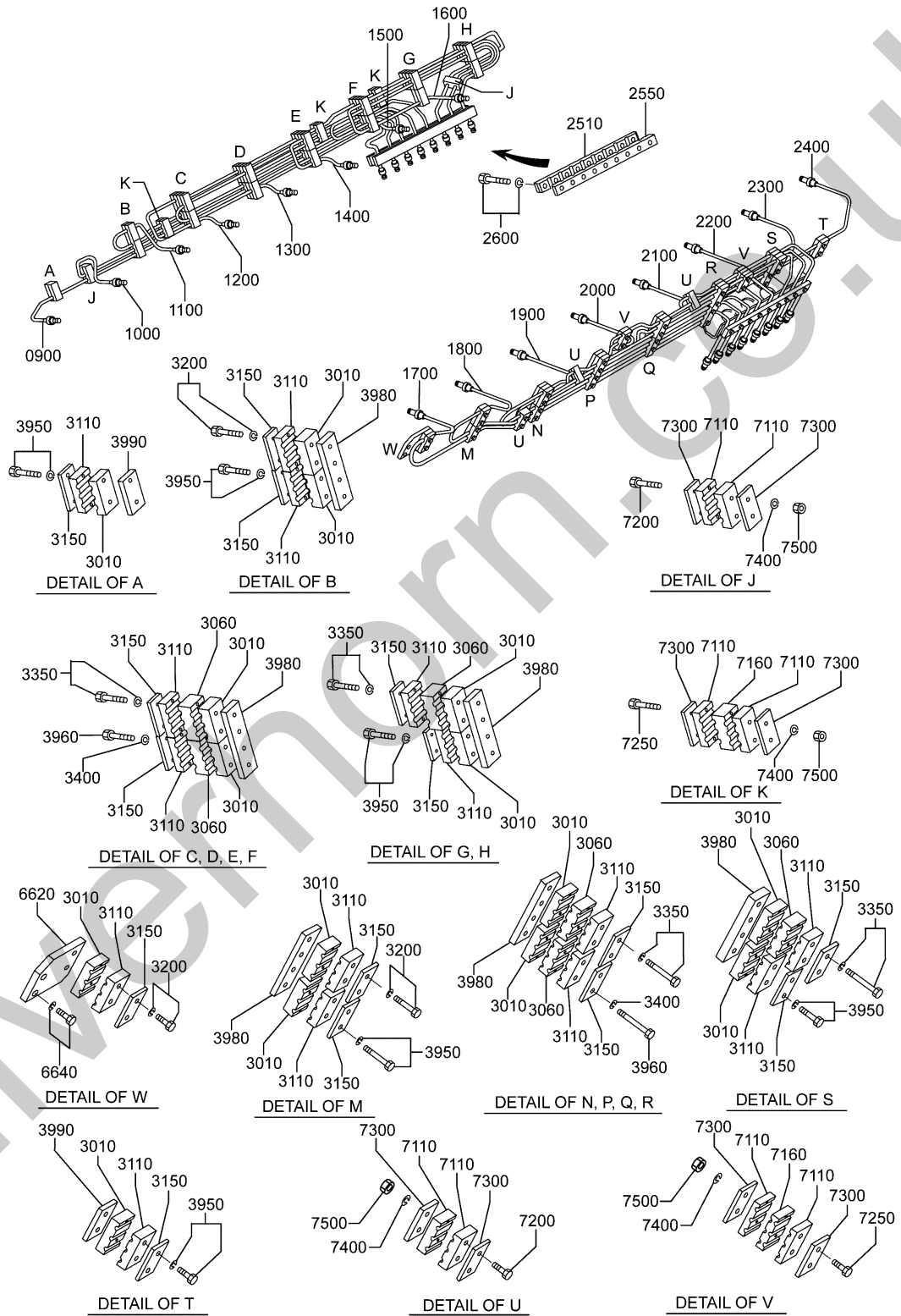
INJECTION PIPE NOZZLE
(NOZZLE PARTS)

-123-

REF. NO.	PART NO.	PART NAME & DESCRIPTION		MODEL & QTY		
				PTA-S		
0002	37561-06810	GASKET, NOZZLE		16		
0200	37561-01602	GLAND, NOZZLE		16		
0250	F2305-14000	NUT		16		
0260	33561-14500	WASHER, NOZZLE GLAND		16		
0300	05507-10420	O-RING		16		
0500	05507-10340	O-RING		16		
0600	05507-10260	O-RING		16		
0800	37561-23500	COVER		32		
0850	37561-13600	HOLDER		32		
0865	37861-04400	HOLDER		32		
2900	37561-08800	BUSHING, INJECTION PIPE		16		
2910	05318-00300	BAND, CLIP		16		

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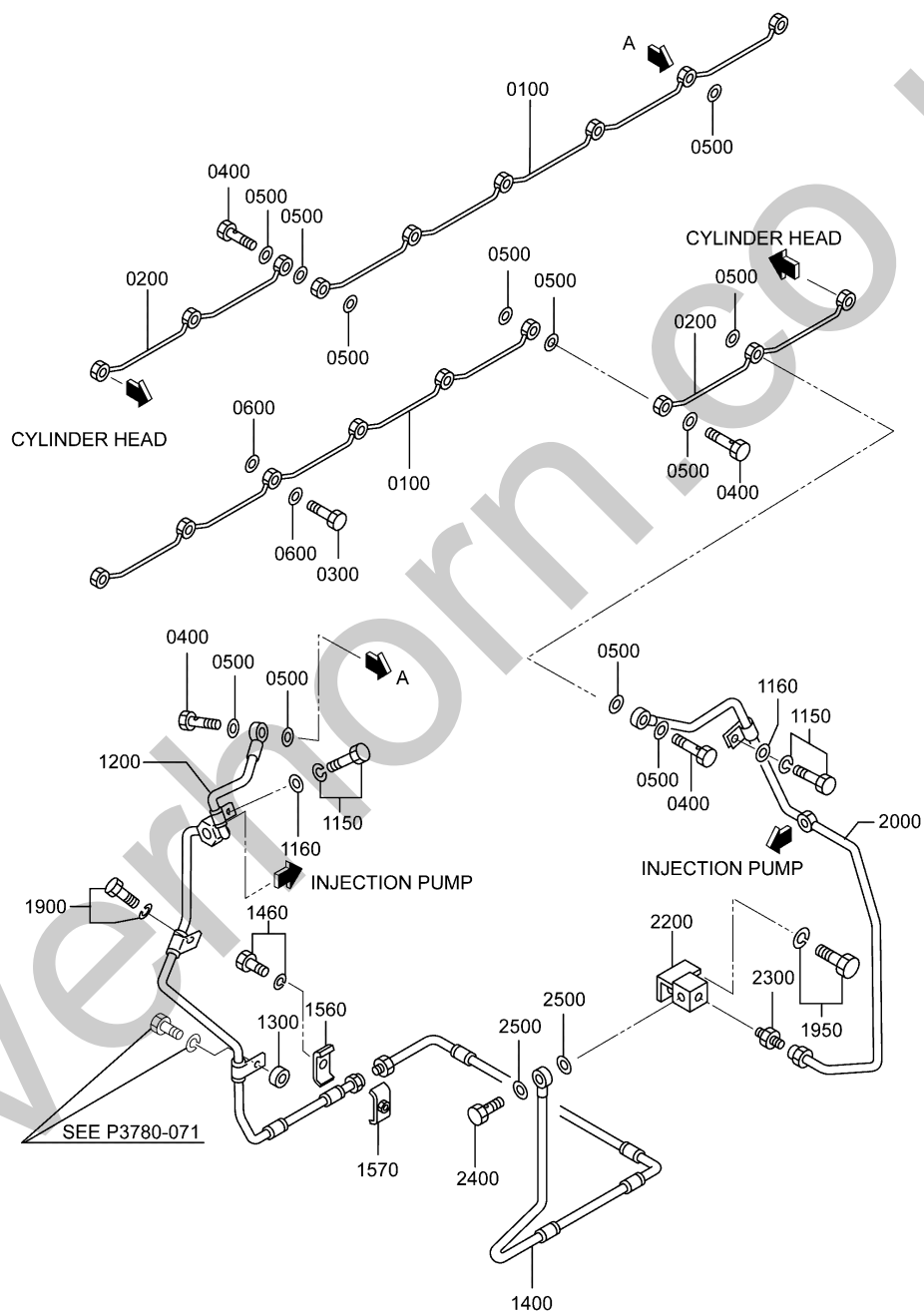


P3780-612-03

INJECTION PIPE NOZZLE
(PIPE & CLAMP)

-125-

REF. NO.	PART NO.	PART NAME & DESCRIPTION		MODEL & QTY		
				PTA-S		
0900	37860-02100	PIPE, INJECTION NO. 1		1		
1000	37860-02200	PIPE, INJECTION NO. 2		1		
1100	37860-02300	PIPE, INJECTION NO. 3		1		
1200	37860-02400	PIPE, INJECTION NO. 4		1		
1300	37860-02500	PIPE, INJECTION NO. 5		1		
1400	37860-02600	PIPE, INJECTION NO. 6		1		
1500	37860-02700	PIPE, INJECTION NO. 7		1		
1600	37860-02800	PIPE, INJECTION NO. 8		1		
1700	37860-03100	PIPE, INJECTION NO. 9		1		
1800	37860-03200	PIPE, INJECTION NO. 10		1		
1900	37860-03300	PIPE, INJECTION NO. 11		1		
2000	37860-03400	PIPE, INJECTION NO. 12		1		
2100	37860-03500	PIPE, INJECTION NO. 13		1		
2200	37860-03600	PIPE, INJECTION NO. 14		1		
2300	37860-03700	PIPE, INJECTION NO. 15		1		
2400	37860-03800	PIPE, INJECTION NO. 16		1		
2510	37861-01800	CLAMP		2		
2550	37861-02900	CLAMP		2		
2600	F1805-08030	BOLT, W/WASHER	B/W	18		
3010	37562-13300	SEAT, PIPE		29		
3060	37562-13400	SEAT, PIPE		19		
3110	37562-13100	SEAT, PIPE		29		
3150	37562-15902	PLATE, CLAMP		29		
3200	F1805-10055	BOLT, W/WASHER	B/W	6		
3350	F1805-10080	BOLT, W/WASHER	B/W	22		
3400	F2515-10000	WASHER, SPRING		16		
3950	F1805-10065	BOLT, W/WASHER	B/W	14		
3960	F1035-10090	BOLT		16		
3980	37761-03602	PLATE, CLAMP		13		
3990	37761-03702	PLATE, CLAMP		2		
6620	37761-09900	STAY, INJECTION PIPE		1		
6640	F1805-10030	BOLT, W/WASHER	B/W	2		
7110	37562-13100	SEAT, PIPE		20		
7160	37562-13400	SEAT, PIPE		5		
7200	F1035-10045	BOLT		10		
7250	F1035-10070	BOLT		10		
7300	37562-15902	PLATE, CLAMP		20		
7400	F2515-10000	WASHER, SPRING		20		
7500	F2300-10000	NUT, LOCK		20		



P3780-613

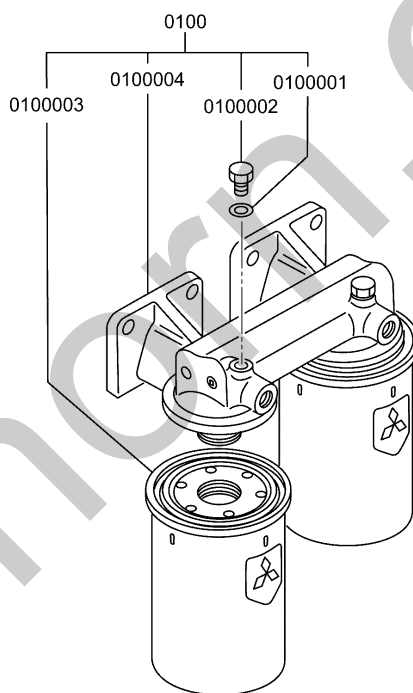
FUEL LEAK-OFF PIPE

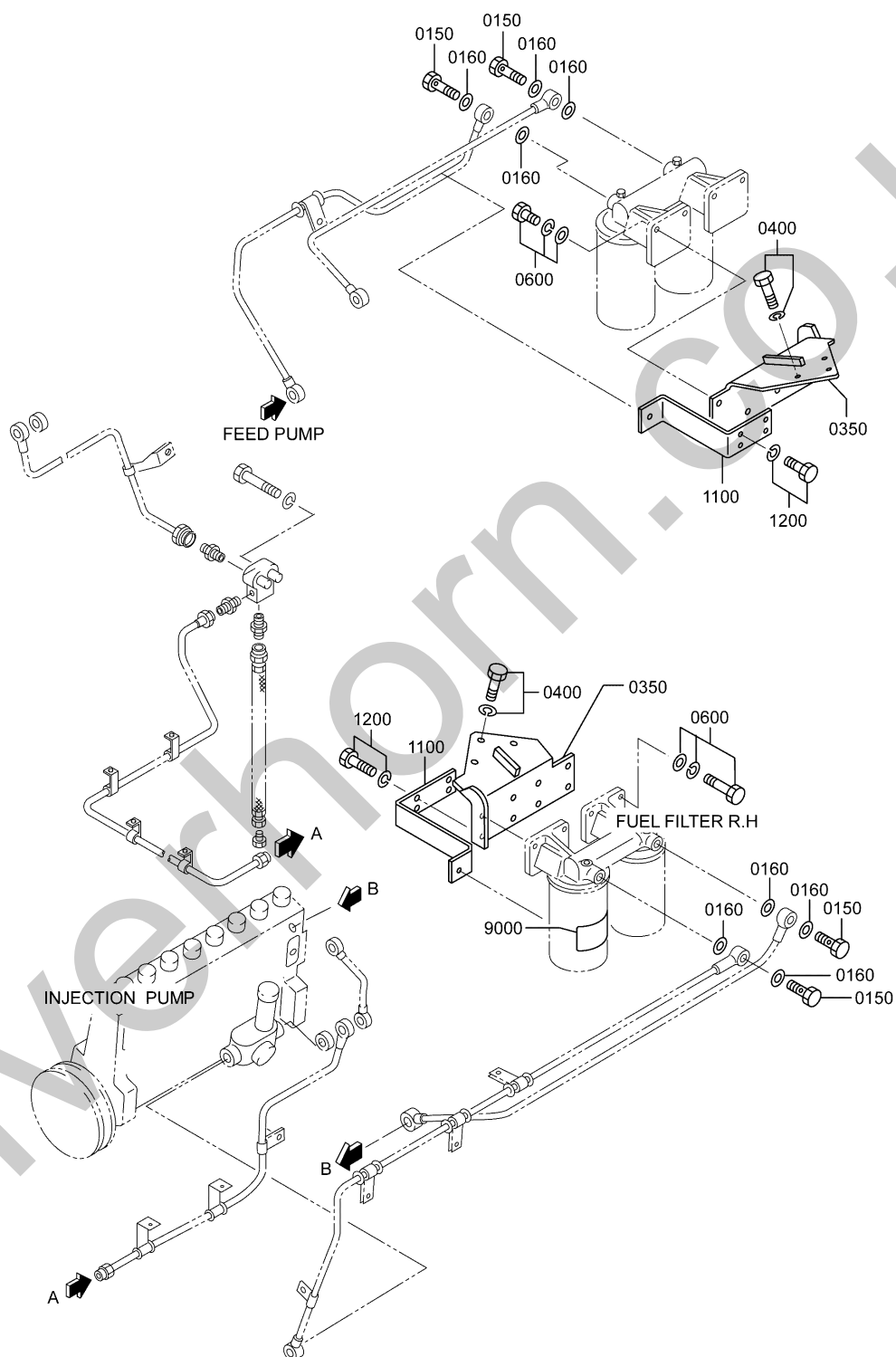
-127-

REF. NO.	PART NO.	PART NAME & DESCRIPTION		MODEL & QTY		
				PTA-S		
0100	37761-04100	PIPE, FUEL LEAK OFF		2		
0200	37861-04200	PIPE, FUEL LEAK END		2		
0300	32536-19400	BOLT, EYE		12		
0400	34A36-36100	BOLT, EYE		4		
0500	05946-01001	WASHER, SEALING		12		
0600	05946-01001	WASHER, SEALING		24		
1150	F1805-10016	BOLT, W/WASHER	B/W	2		
1160	F2500-10000	WASHER, PLAIN		2		
1200	37762-52501	PIPE, FUEL LEAK	R. H	1		
1300	37736-01500	SPACER		1		
1400	37762-32600	PIPE, LEAK		1		
1460	F1805-10040	BOLT, W/WASHER	B/W	6		
1560	35B62-07101	CLAMP		6		
1570	35B62-07400	CLAMP		6		
1900	F1805-12020	BOLT, W/WASHER	B/W	1		
1950	F1805-12025	BOLT, W/WASHER	B/W	2		
2000	37762-22800	PIPE, FUEL LEAK	L. H	1		
2200	37762-02901	CONNECTOR, LEAK		1		
2300	F4540-10000	CONNECTOR		1		
2400	F4610-14000	BOLT, EYE		1		
2500	05946-01401	WASHER, SEALING		2		

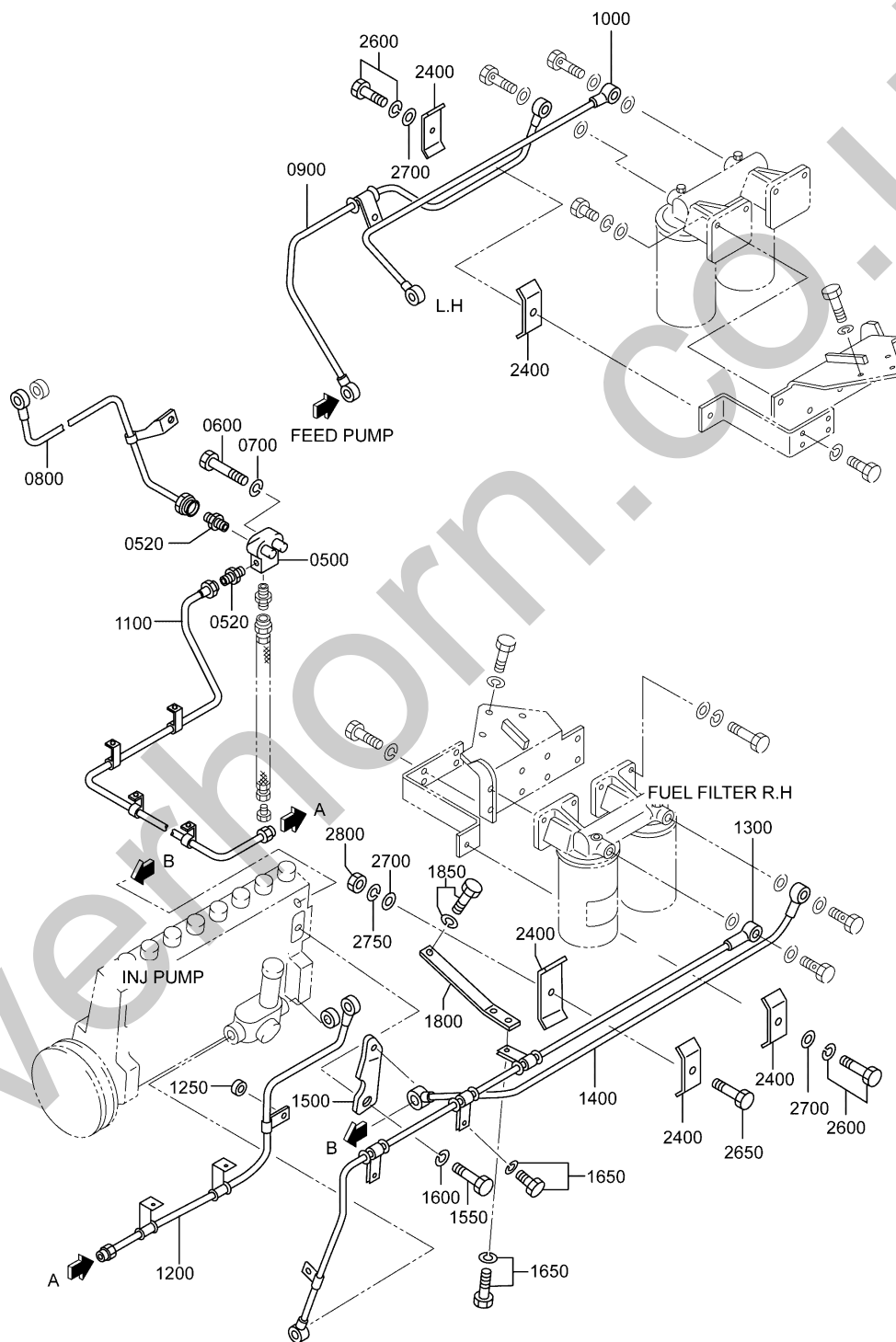
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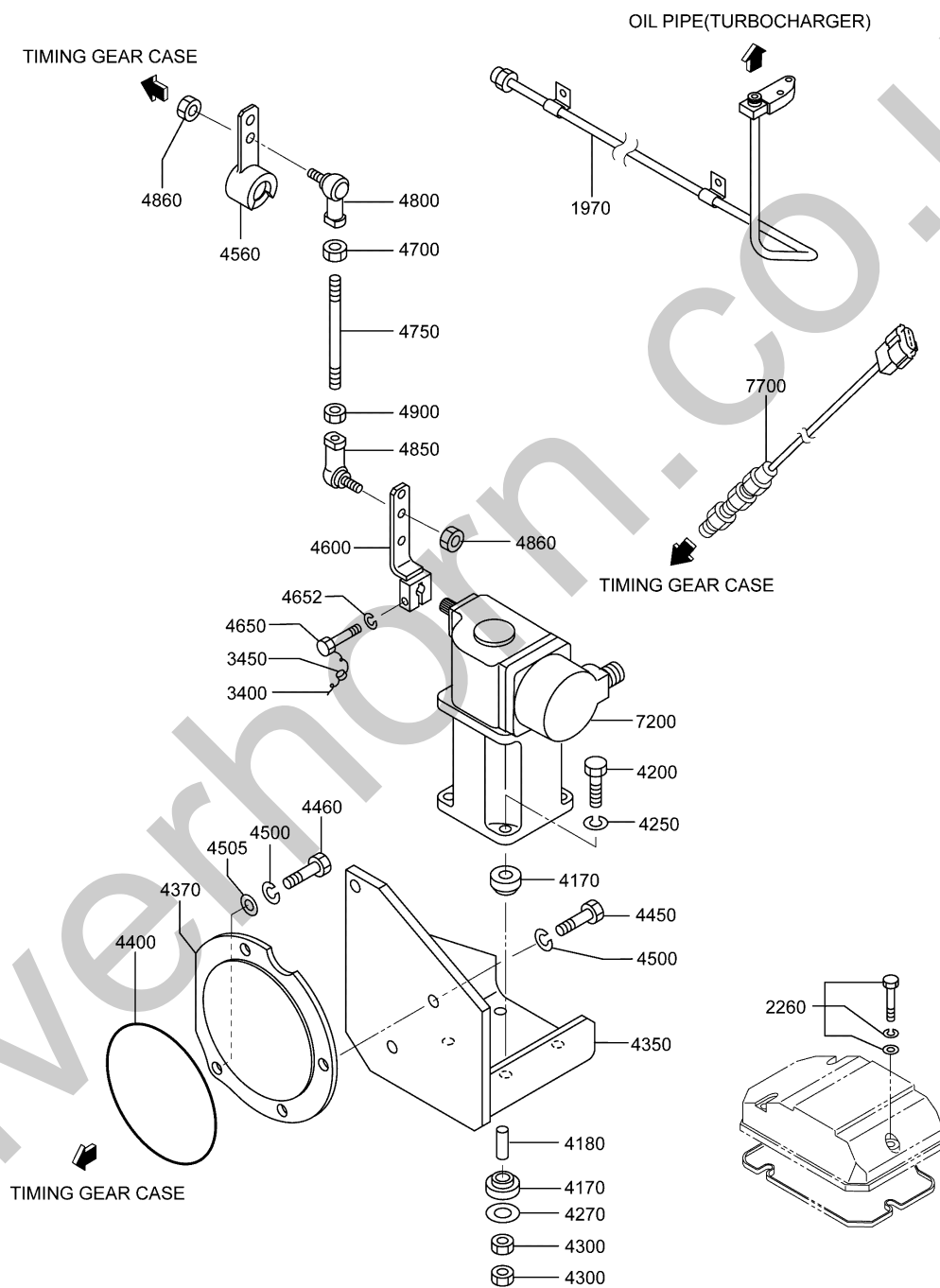




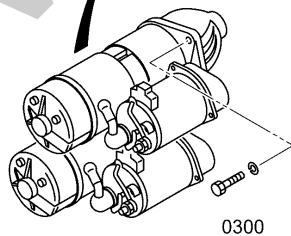
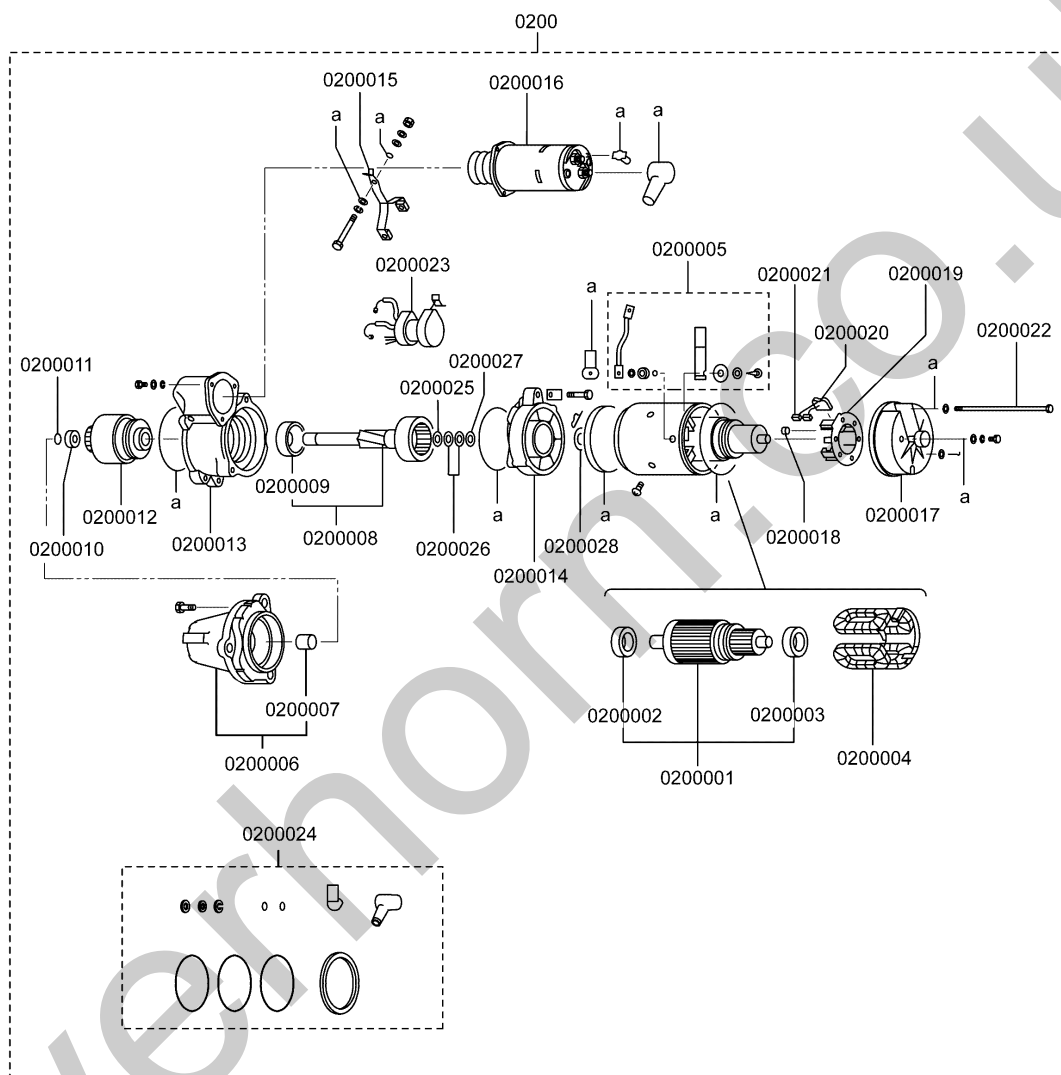
REF. NO.	PART NO.	PART NAME & DESCRIPTION		MODEL & QTY		
				PTA-S		
0150	F4610-14000	BOLT, EYE		4		
0160	05946-01401	WASHER, SEALING		8		
0350	37762-20400	BRACKET, FUEL FILTER		2		
0400	F1805-12030	BOLT, W/WASHER	B/W	6		
0600	F1825-10025	BOLT, W/WASHER	B/W	8		
1100	37762-20302	STAY, PIPE		2		
1200	F1805-10020	BOLT, W/WASHER	B/W	4		
9000	32562-00800	LABEL, CAUTION		1		



REF. NO.	PART NO.	PART NAME & DESCRIPTION		MODEL & QTY		
				PTA-S		
0500	37762-00503	CONNECTOR		1		
0520	F4540-10000	CONNECTOR		2		
0600	F1035-12090	BOLT		2		
0700	F2515-12000	WASHER, SPRING		2		
0800	37862-31100	PIPE, FUEL		1		
0900	37862-51200	PIPE, FUEL		1		
1000	37862-31301	PIPE, FUEL		1		
1100	37762-61400	PIPE, FUEL		1		
1200	37862-41500	PIPE, FUEL		1		
1250	37736-01500	SPACER		1		
1300	37862-41601	PIPE, FUEL		1		
1400	37862-31700	PIPE, FUEL		1		
1500	37762-42100	STAY, PIPE		3		
1550	F1035-14025	BOLT		3		
1600	F2515-14000	WASHER, SPRING		3		
1650	F1805-10016	BOLT, W/WASHER	B/W	4		
1800	37862-14200	STAY, FUEL PIPE		1		
1850	F1805-12025	BOLT, W/WASHER	B/W	1		
2400	37261-01700	CLAMP		8		
2600	F1805-10030	BOLT, W/WASHER	B/W	2		
2650	F1035-10035	BOLT		2		
2700	F2500-10000	WASHER, PLAIN		6		
2750	F2515-10000	WASHER, SPRING		2		
2800	F2300-10000	NUT, LOCK		2		



REF. NO.	PART NO.	PART NAME & DESCRIPTION		MODEL & QTY		
				PTA-S		
1970	37836-35300	PIPE, OIL	L. H	1		
2260	F1825-10065	BOLT, W/WASHER	B/W	1		
3400	35A61-19900	WIRE, SEAL		1		
3450	34A87-07200	SEAL		1		
4170	47500-34100	CUSHION, RUBBER		8		
4180	47500-34200	SPACER		4		
4200	F1035-06055	BOLT		4		
4250	F2515-06000	WASHER, SPRING		4		
4270	08302-06000	WASHER		4		
4300	F2300-06000	NUT		8		
4350	47520-31103	BRACKET, ACTUATOR		1		
4370	47500-39901	COVER		1		
4400	05507-21450	O-RING		1		
4450	F1035-12035	BOLT		3		
4460	F1035-12030	BOLT		1		
4500	F2515-12000	WASHER, SPRING		4		
4505	F2500-12000	WASHER, PLAIN		1		
4560	37763-27300	LEVER		1		
4600	47520-31200	LEVER		1		
4650	F1115-08025	BOLT, LOCKING WIRE		1		
4652	F2515-08000	WASHER, SPRING		1		
4700	F2300-08000	NUT		1		
4750	05902-08095	ROD		1		
4800	35A61-38602	BALL, JOINT		1		
4850	35A61-38702	BALL, JOINT		1		
4860	F2445-08000	NUT, SELF LOCKING		2		
4900	09413-00800	NUT, LOCK		1		
7200	04410-42010	ACTUATOR		1		
7700	04410-43420	PICKUP, MAGNETIC		1		



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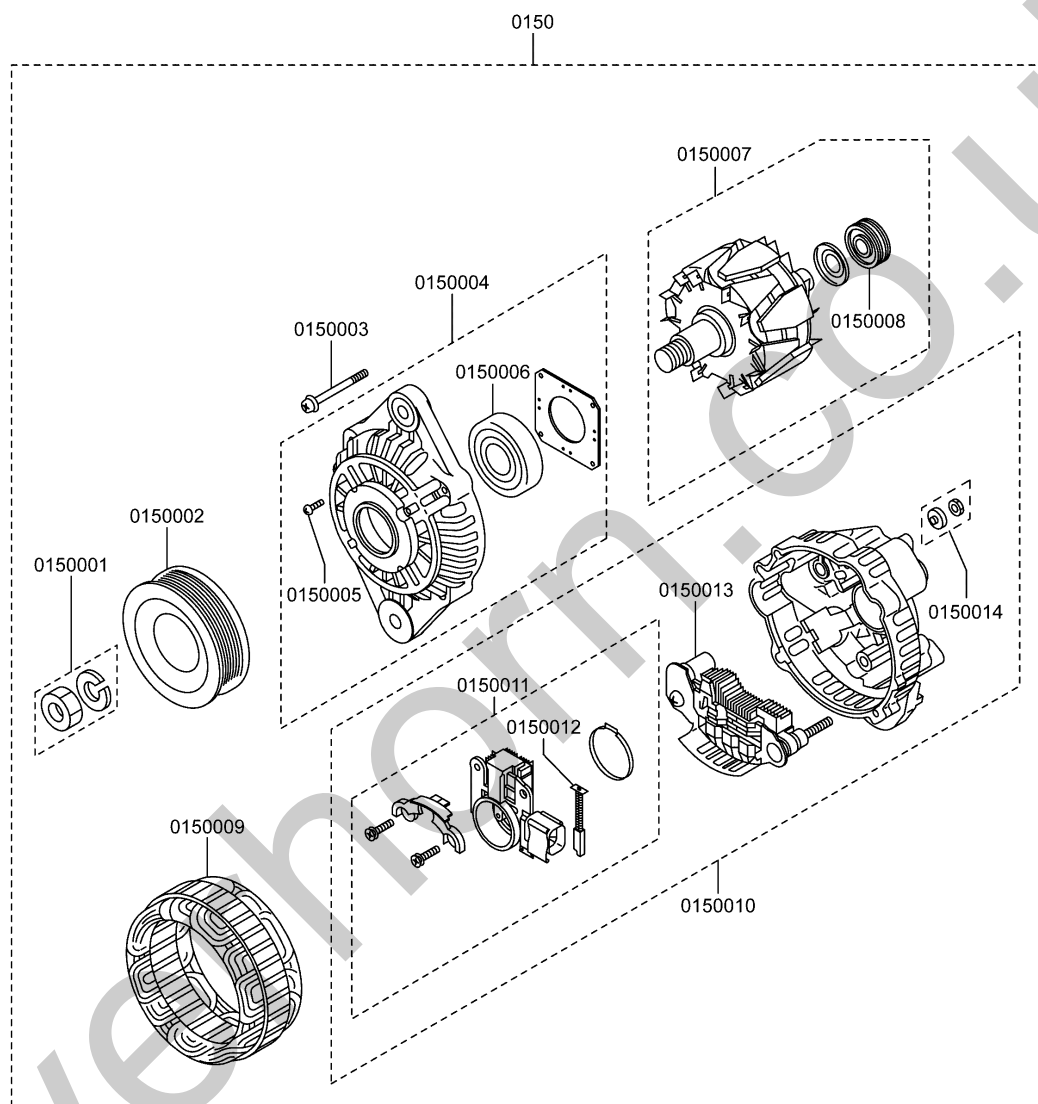
STARTER (24V-7.5KW)

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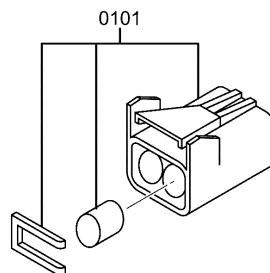
REF. NO.	PART NO.	PART NAME & DESCRIPTION		MODEL & QTY		
				PTA-S		
0200	37766-20201	STARTER	7.5KW	2		
0200001	02310-00231	ARMATURE ASSY		2		
0200002	10456-62047	BEARING, BALL		2		
0200003	10456-62007	BEARING, BALL		2		
0200004	37566-00224	COIL, FIELD		2		
0200005	72378-00070	TERMINAL		2		
0200006	02331-01340	BRACKET		2		
0200007	72335-10080	METAL		2		
0200008	72312-00090	SHAFT ASSY		2		
0200009	10456-60067	BEARING, BALL		2		
0200010	37566-00126	STOPPER, PINION		2		
0200011	37566-00125	RING, CLIP		2		
0200012	02350-00690	CLUTCH		2		
0200013	37566-10312	BRACKET, CENTER		2		
0200014	37566-00222	BRACKET, CENTER		2		
0200015	37566-00221	LEVER, SHIFT		2		
0200016	37566-10511	SWITCH ASSY		2		
0200017	02371-10221	BRACKET		2		
0200018	12391-30040	SPRING, BRUSH		8		
0200019	02375-00050	HOLDER, BRUSH		2		
0200020	12374-00050	BRUSH		8		
0200021	12592-22800	PLATE		8		
0200022	37566-00217	BOLT		4		
0200023	37566-20113	RELAY, SAFETY		2		
0200024	70921-01460	SEAL ASSY		2		
0200025	12392-10130	WASHER		2		
0200026	12392-10140	WASHER		4		
0200027	12394-10040	WASHER, INSULATOR		2		
0200028	02392-10230	WASHER		4		
0300	F1805-12035	BOLT, W/WASHER	B/W	6		

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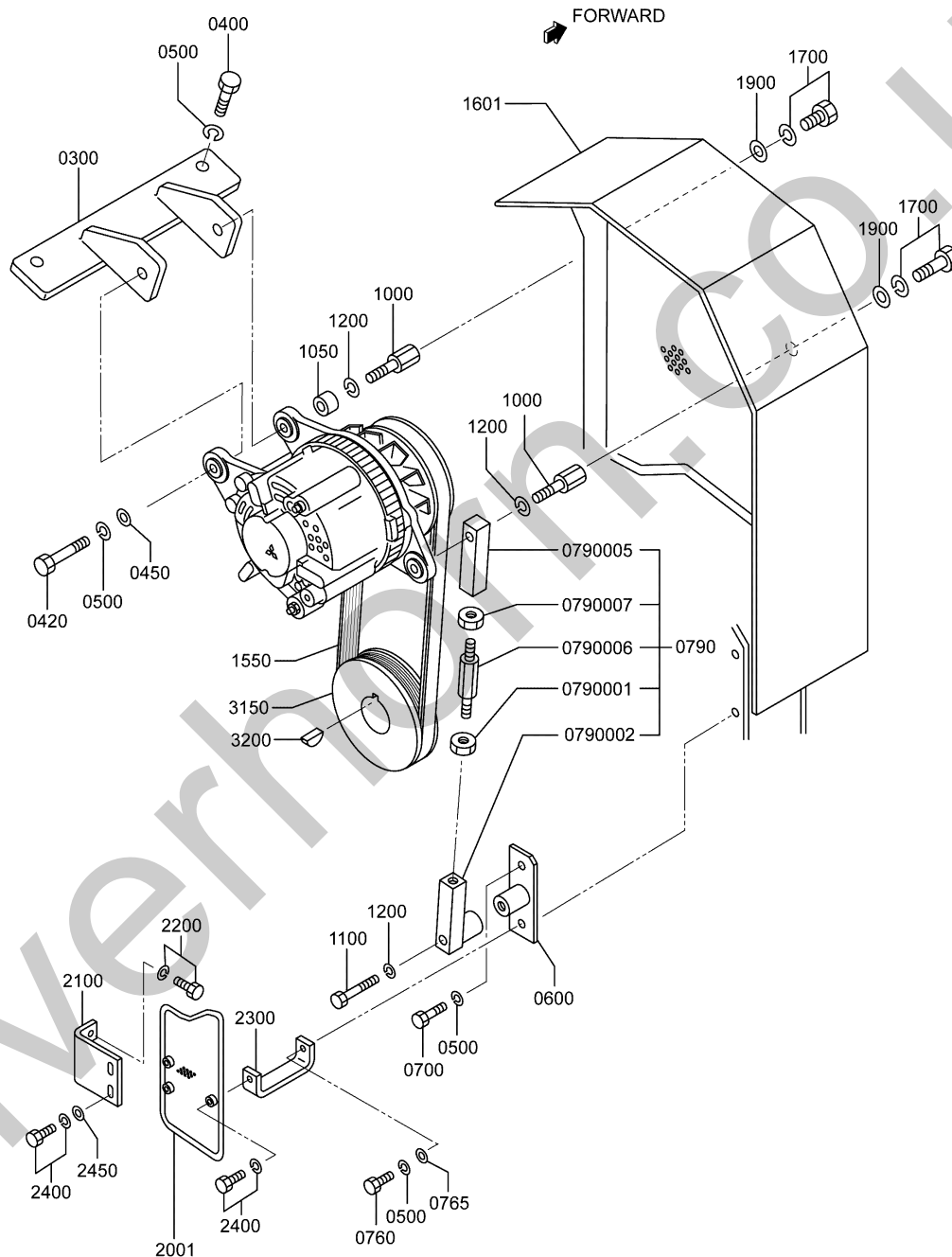
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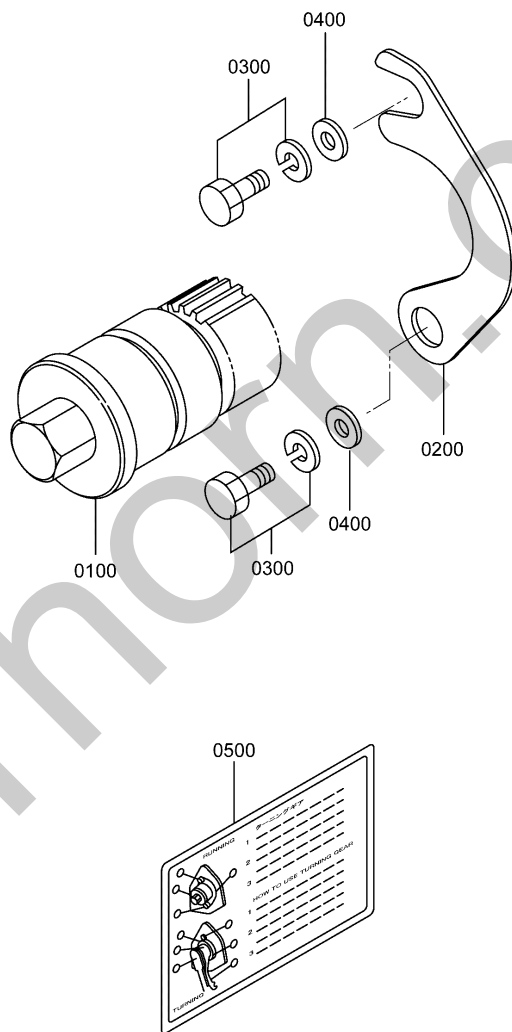
PART WITHOUT REF.NO.WON'T BE SUPPLIED.



REF. NO.	PART NO.	PART NAME & DESCRIPTION		MODEL & QTY		
				PTA-S		
0101	34A68-05100	CONNECTOR		1		
0150	04343-38700	ALTERNATOR ASSY		1		
0150001	72752-03011	NUT SET		1		
0150002	04343-38021	PULLEY		1		
0150003	MM502566	BOLT SET		1		
0150004	04343-38011	BRACKET ASSY	FRONT	1		
0150005	04343-38012	SCREW SET		1		
0150006	04343-38013	BEARING, BALL		1		
0150007	04343-38211	ROTOR ASSY		1		
0150008	04343-38015	BEARING, BALL		1		
0150009	04343-38016	STATOR		1		
0150010	04343-38411	BRACKET ASSY	REAR	1		
0150011	04343-38413	REGULATOR SET		1		
0150012	04343-38021	BRUSH SET		2		
0150013	04343-38412	RECTIFIER ASSY		1		
0150014	34468-17127	NUT SET		1		



REF. NO.	PART NO.	PART NAME & DESCRIPTION		MODEL & QTY		
				PTA-S		
0300	37768-22100	BRACKET, DYNAMO		1		
0400	F1035-12030	BOLT		2		
0420	F1035-12040	BOLT		1		
0450	F2500-12000	WASHER, PLAIN		1		
0500	F2515-12000	WASHER, SPRING		5		
0600	37768-12200	BRACKET, DYNAMO		1		
0700	F1035-12035	BOLT		1		
0760	F1035-12045	BOLT		1		
0765	F2500-12000	WASHER, PLAIN		1		
0790	*	ROD ASSY, ADJUSTING		1		
0790001	09413-01401	NUT, LOCK		1		
0790002	37568-22200	ROD, DYNAMO		1		
0790005	37568-22300	ROD, DYNAMO		1		
0790006	37768-12300	ROD, ADJUSTING		1		
0790007	F2320-14000	NUT		1		
1000	37768-38300	BOLT, DYNAMO		2		
1050	37768-12400	SPACER, DYNAMO		1		
1100	F1035-12075	BOLT		1		
1200	F2515-12000	WASHER, SPRING		3		
1550	37768-04400	BELT, RIB		1		
1601	37768-42500	COVER, DYNAMO BELT		1		
1700	F1805-10020	BOLT, W/WASHER	B/W	2		
1900	F2500-10000	WASHER, PLAIN		2		
2001	37768-12600	COVER, BELT		1		
2100	37768-12702	STAY, COVER		1		
2200	F1805-12025	BOLT, W/WASHER	B/W	2		
2300	37768-12801	STAY, COVER		1		
2400	F1805-10020	BOLT, W/WASHER	B/W	3		
2450	F2500-10000	WASHER, PLAIN		2		
3150	37725-14400	PULLEY, ALTERNATOR		1		
3200	F2870-10032	KEY, WOODRUFF		1		

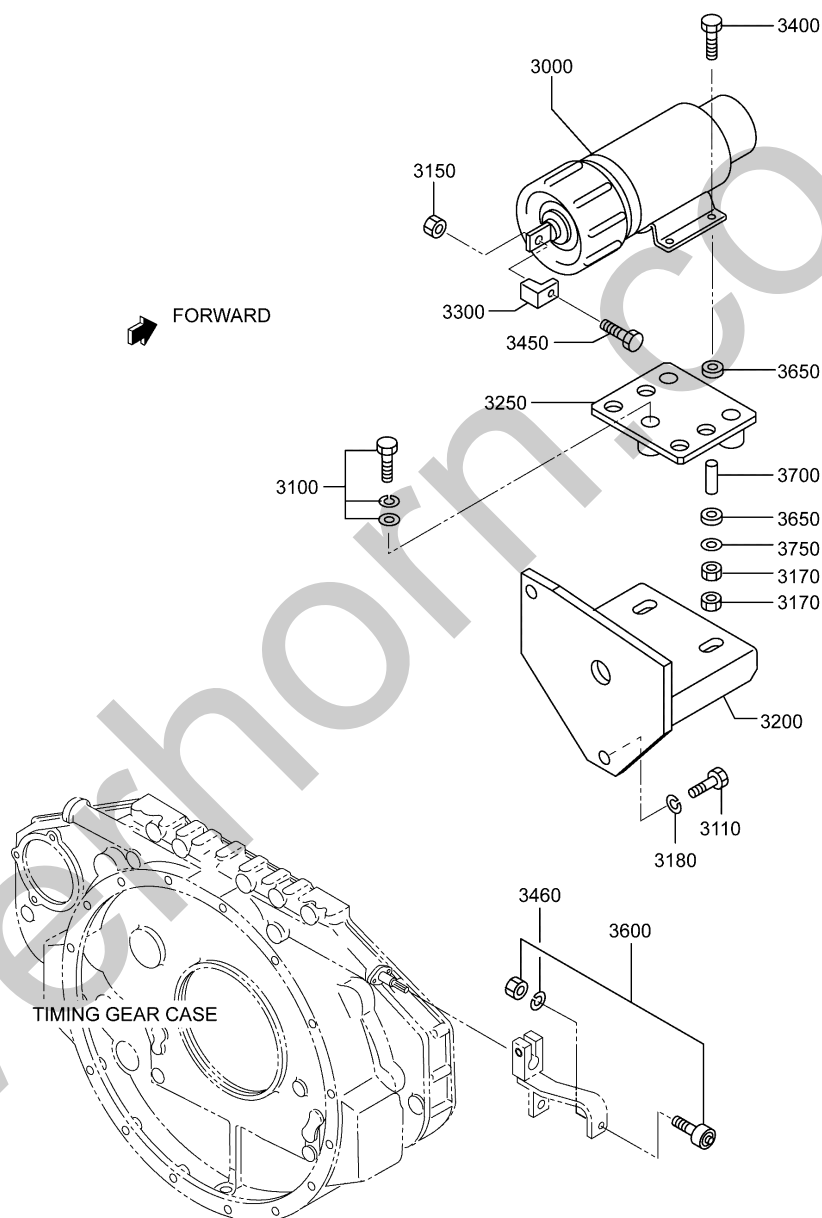


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TURNING GEAR

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P3780-875

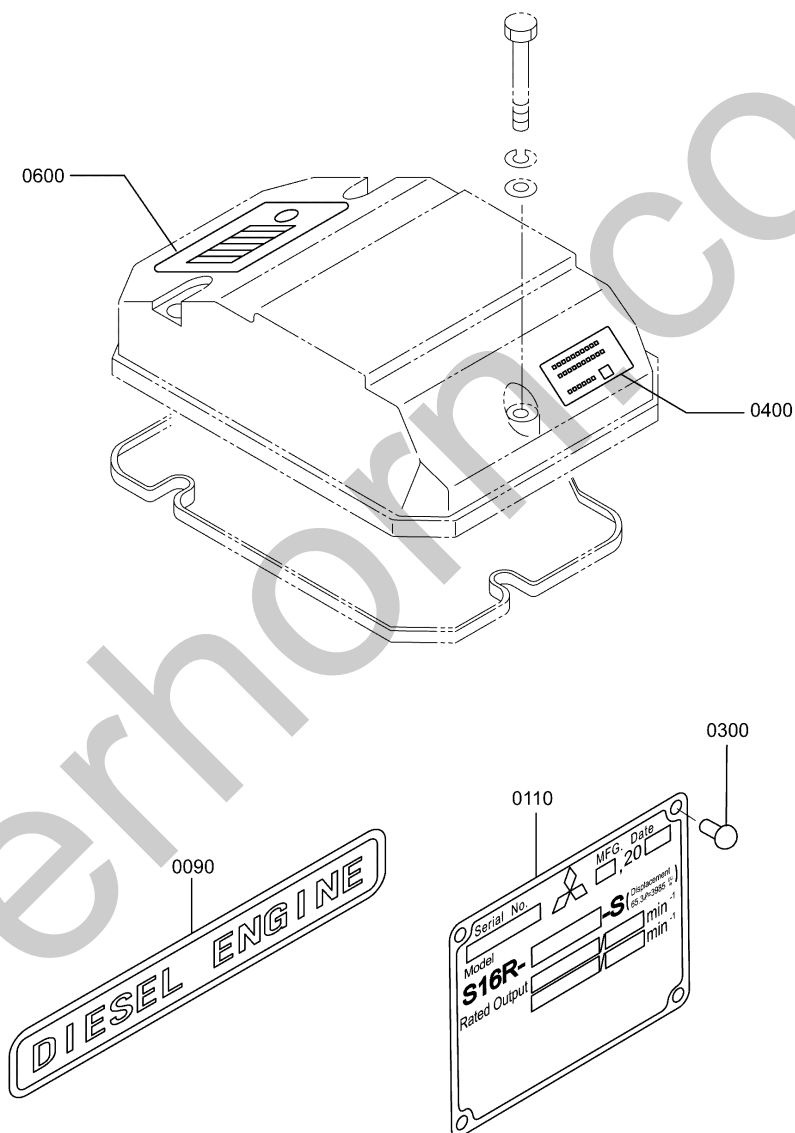
STOP CONTROL HANDLE

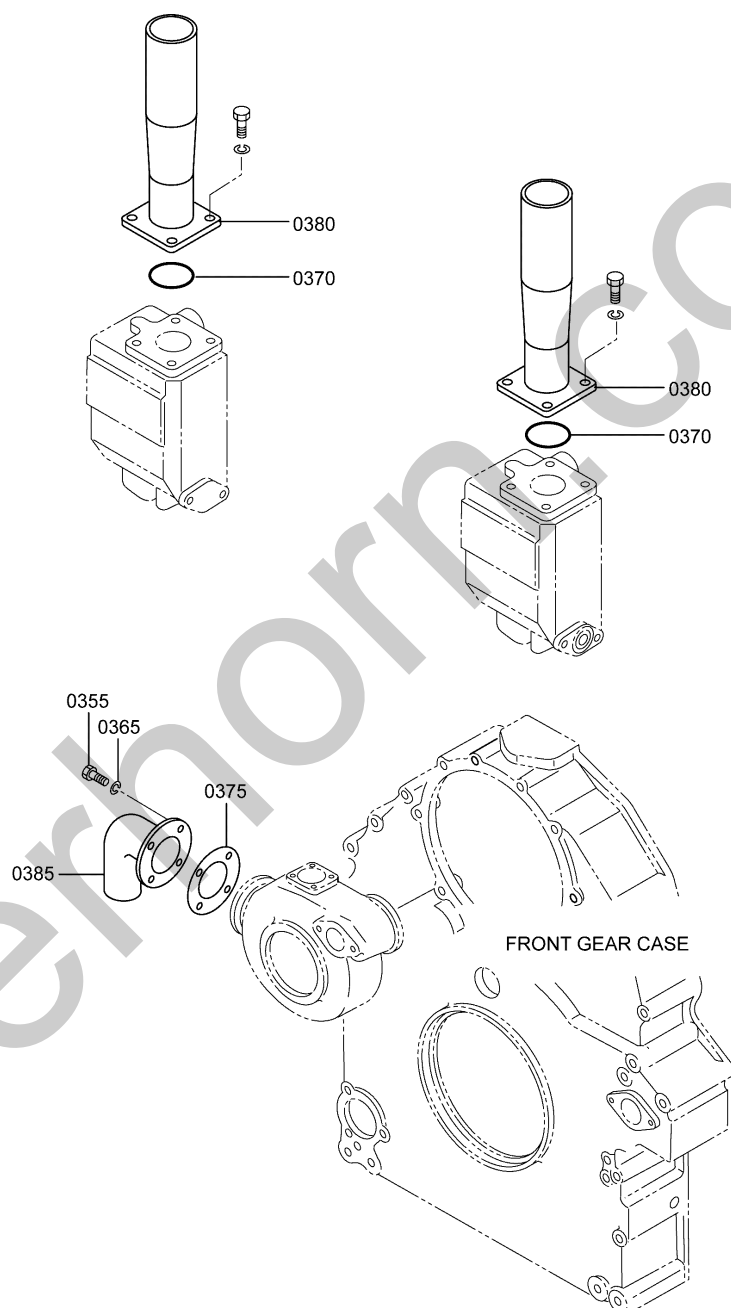
-145-

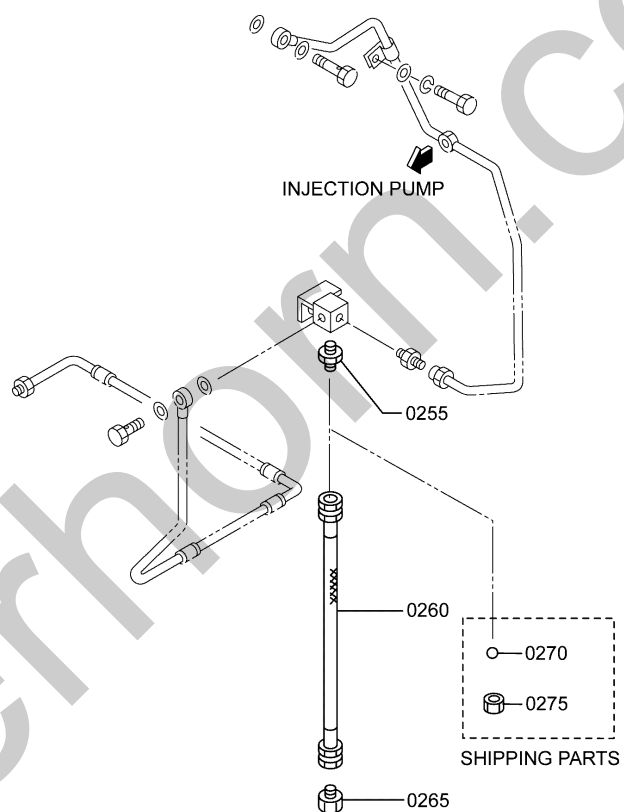
REF. NO.	PART NO.	PART NAME & DESCRIPTION		MODEL & QTY		
				PTA-S		
3000	04400-08801	SOLENOID, RUN-ON	B/W	1		
3100	F1825-10025	BOLT, W/WASHER		3		
3110	F1035-12030	BOLT		2		
3150	05634-00610	NUT, SELF LOCKING		1		
3170	F2300-06000	NUT		8		
3180	F2515-12000	WASHER, SPRING		2		
3200	37787-03300	BRACKET, SOLENOID		1		
3250	47520-25800	PLATE, SOLENOID		1		
3300	37787-03200	ADAPTER		1		
3400	F1035-06040	BOLT		4		
3450	F1035-06020	BOLT		1		
3460	F2515-06000	WASHER, SPRING		1		
3600	37587-00900	FOLLOWER		1		
3650	47500-34100	CUSHION, RUBBER		8		
3700	47500-36700	SPACER		4		
3750	37588-06000	WASHER		4		

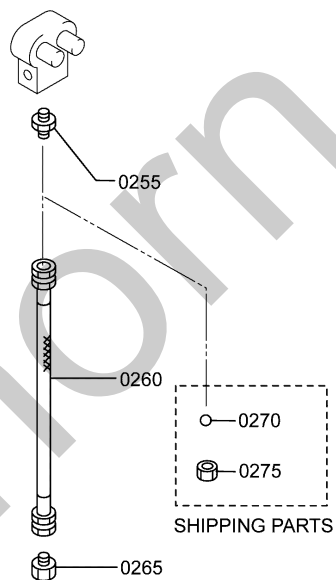
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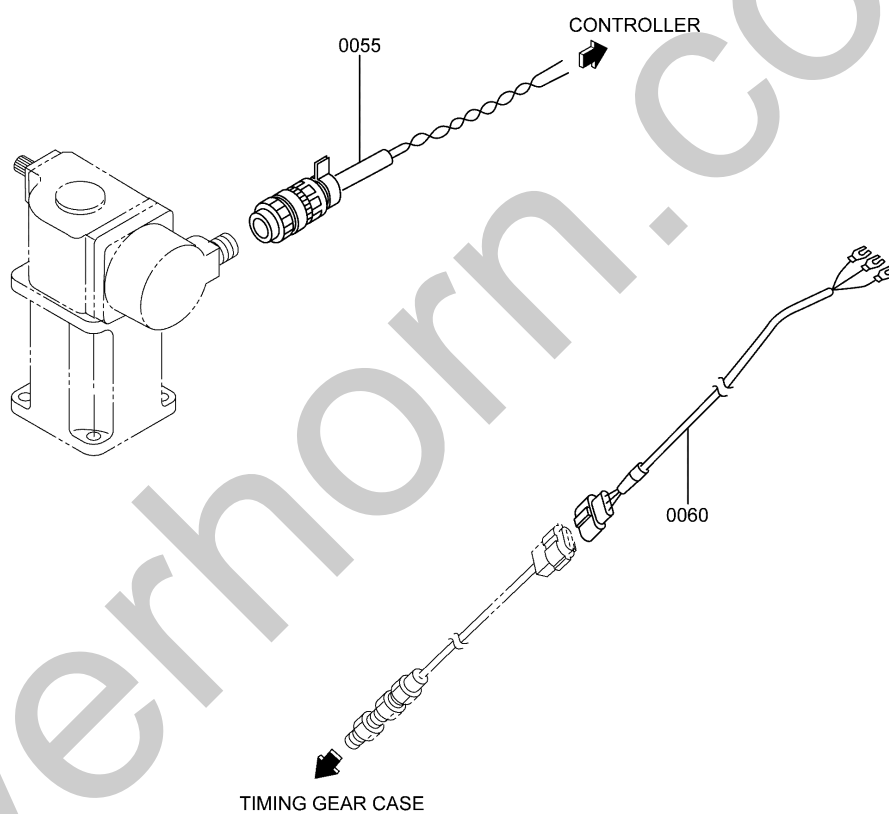
FUEL INLET

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REF. NO.	PART NO.	PART NAME & DESCRIPTION		MODEL & QTY		
				PTA-S		
0255	F4540-20000	CONNECTOR		1		
0260	45951-18060	PIPE, FLEXIBLE		1		
0265	45950-11300	CONNECTOR		1		
0270	F8000-32000	STEEL BALL		1		
0275	F4521-20000	NUT, UNION		1		

2019-03-14

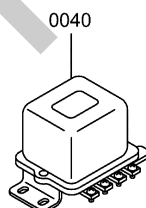
000003-02



GOVERNOR

-155-

[illegible]

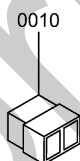


P3789-660

STARTER

-157-

REF. NO.	PART NO.	PART NAME & DESCRIPTION		MODEL & QTY		
				PTA-S		
0035 0040	F8665-02100 04322-40100	CONNECTOR RELAY, MAGNETIC	2 POLES	2 1		

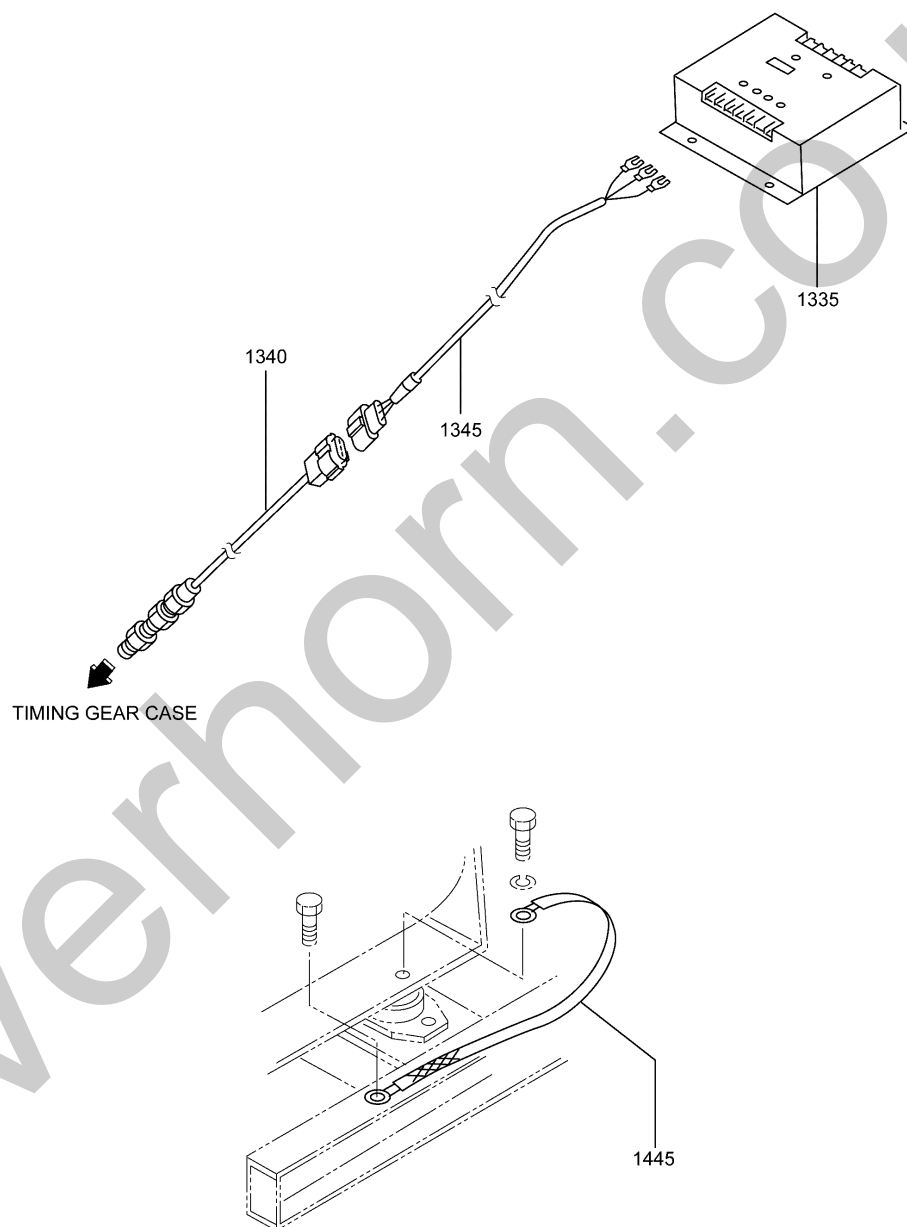


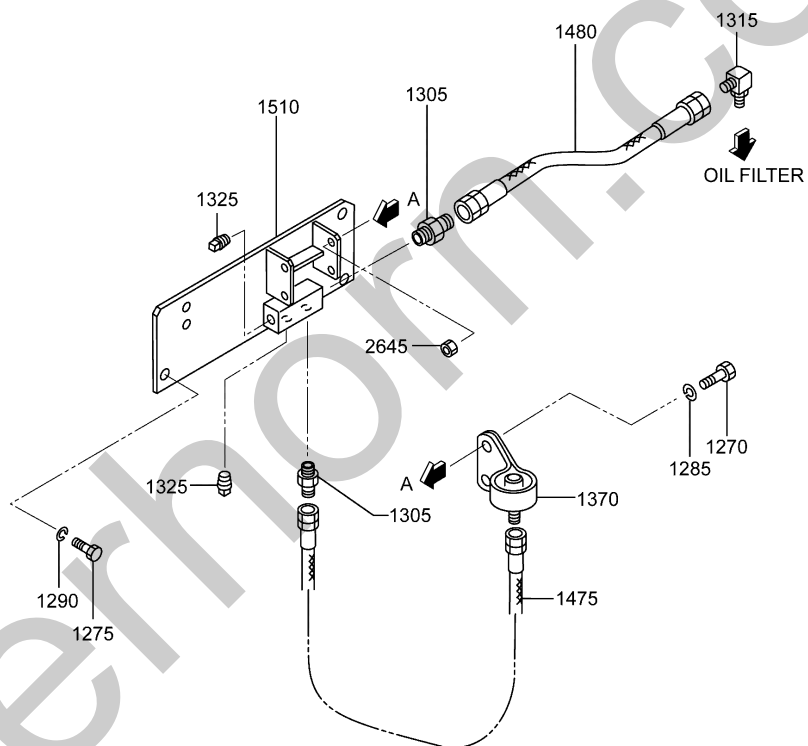
P3789-680

DYNAMO

-159-

REF. NO.	PART NO.	PART NAME & DESCRIPTION		MODEL & QTY		
				PTA-S		
0010	32B90-00300	CONNECTOR		1		





P3789-920-02

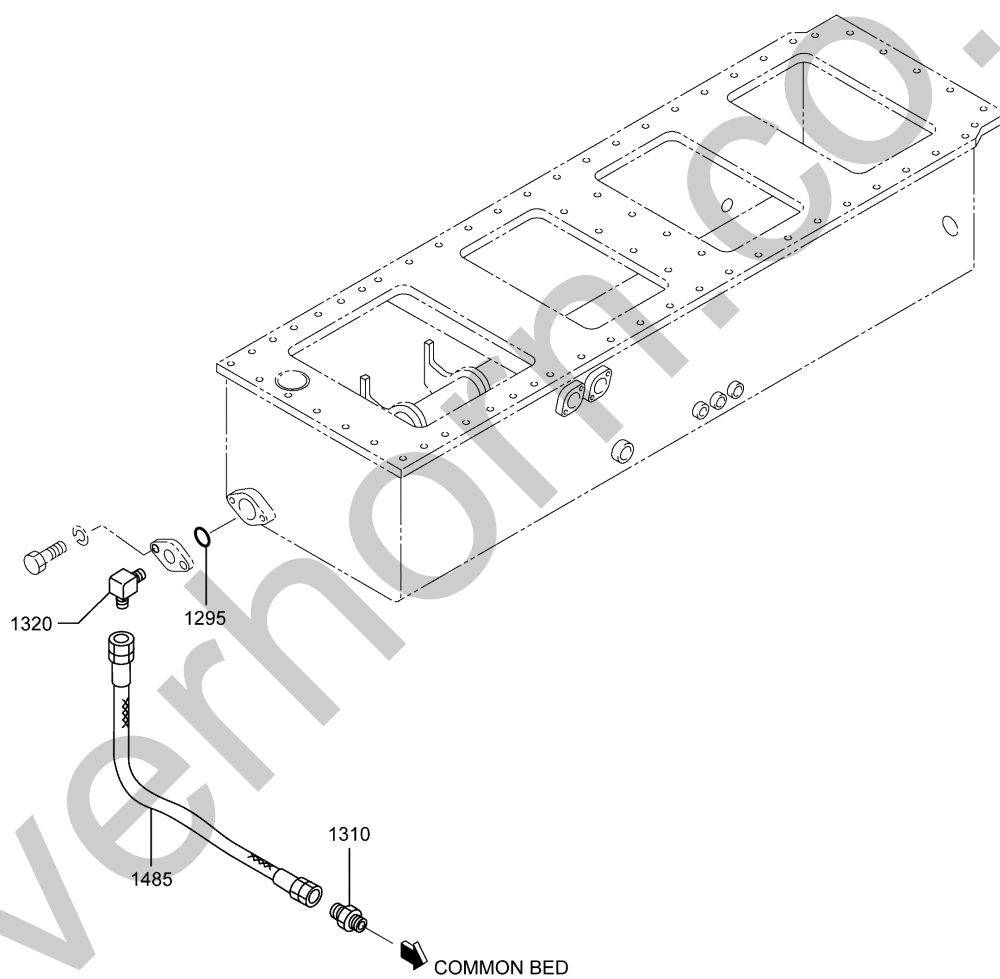
ACCESSORY (OIL PRESSURE SENSOR
MOUNTING BRACKET)

-163-

REF. NO.	PART NO.	PART NAME & DESCRIPTION		MODEL & QTY		
				PTA-S		
1270	F1035-10025	BOLT		2		
1275	F1035-12070	BOLT		2		
1285	F2515-10000	WASHER, SPRING		2		
1290	F2515-12000	WASHER, SPRING		2		
1305	F4540-06300	CONNECTOR		2		
1315	F4560-06300	ELBOW		1		
1325	F5006-10000	PLUG, TAPERED		2		
1370	45644-47900	MOUNT, OIL PRESSURE		1		
1475	45951-04024	PIPE, FLEXIBLE		1		
1480	45951-04028	PIPE, FLEXIBLE		1		
1510	47520-40705	BRACKET		1		
2645	F2300-10000	NUT		2		

2019-03-14

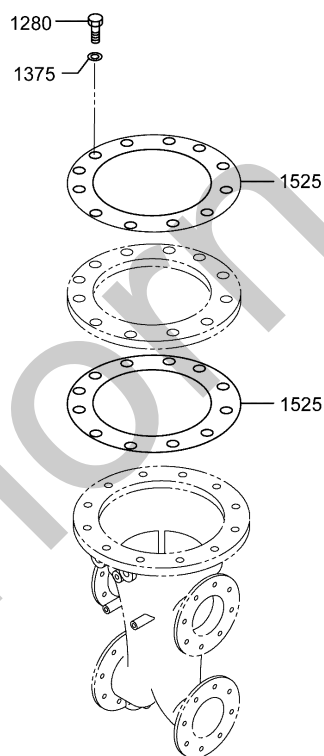
000003-02



ACCESSORY (OIL PAN DRAIN)

-165-

[illegible]

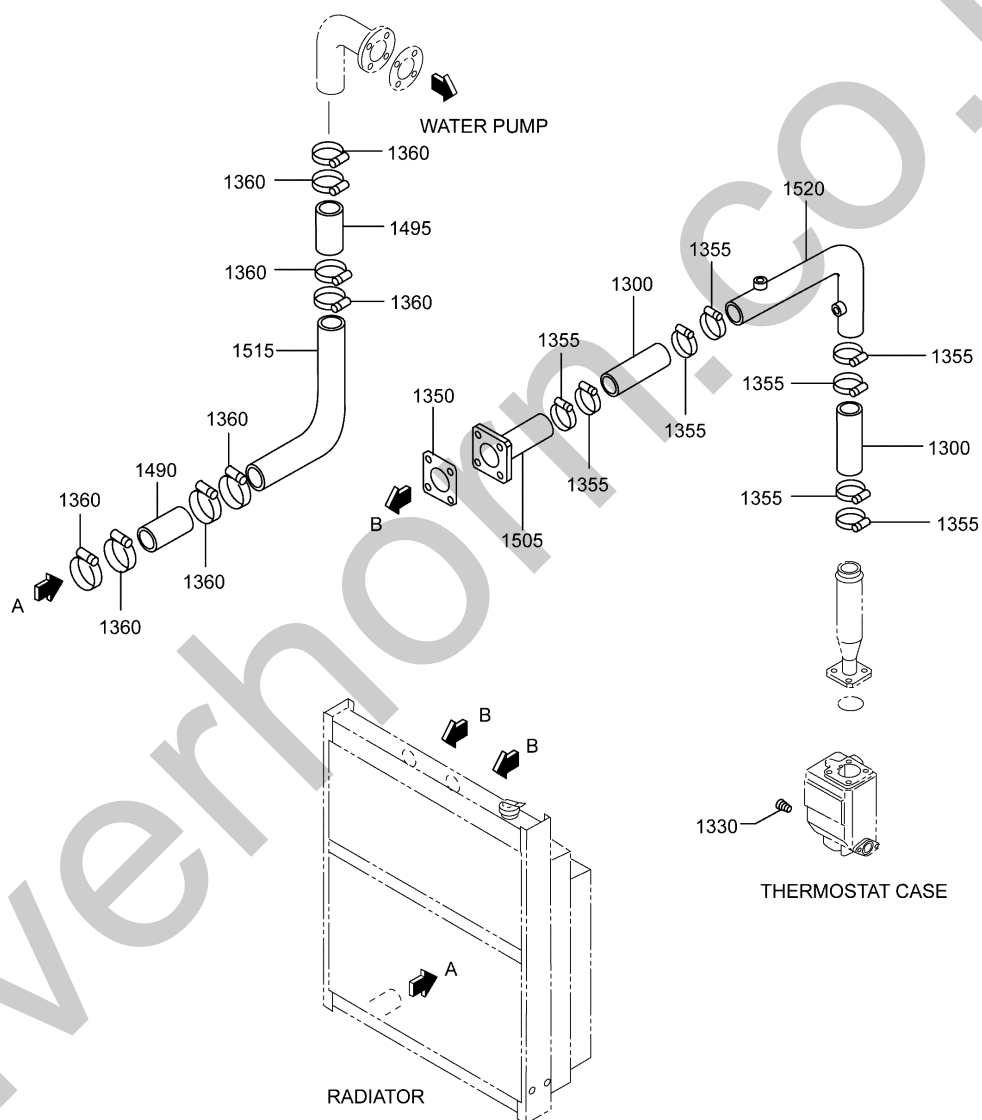


P3789-920-04

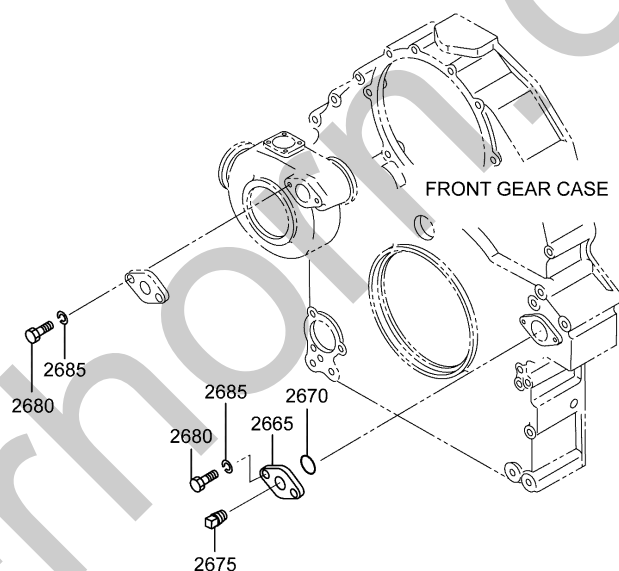
ACCESSORY (EXHAUST
PIPE GASKET)

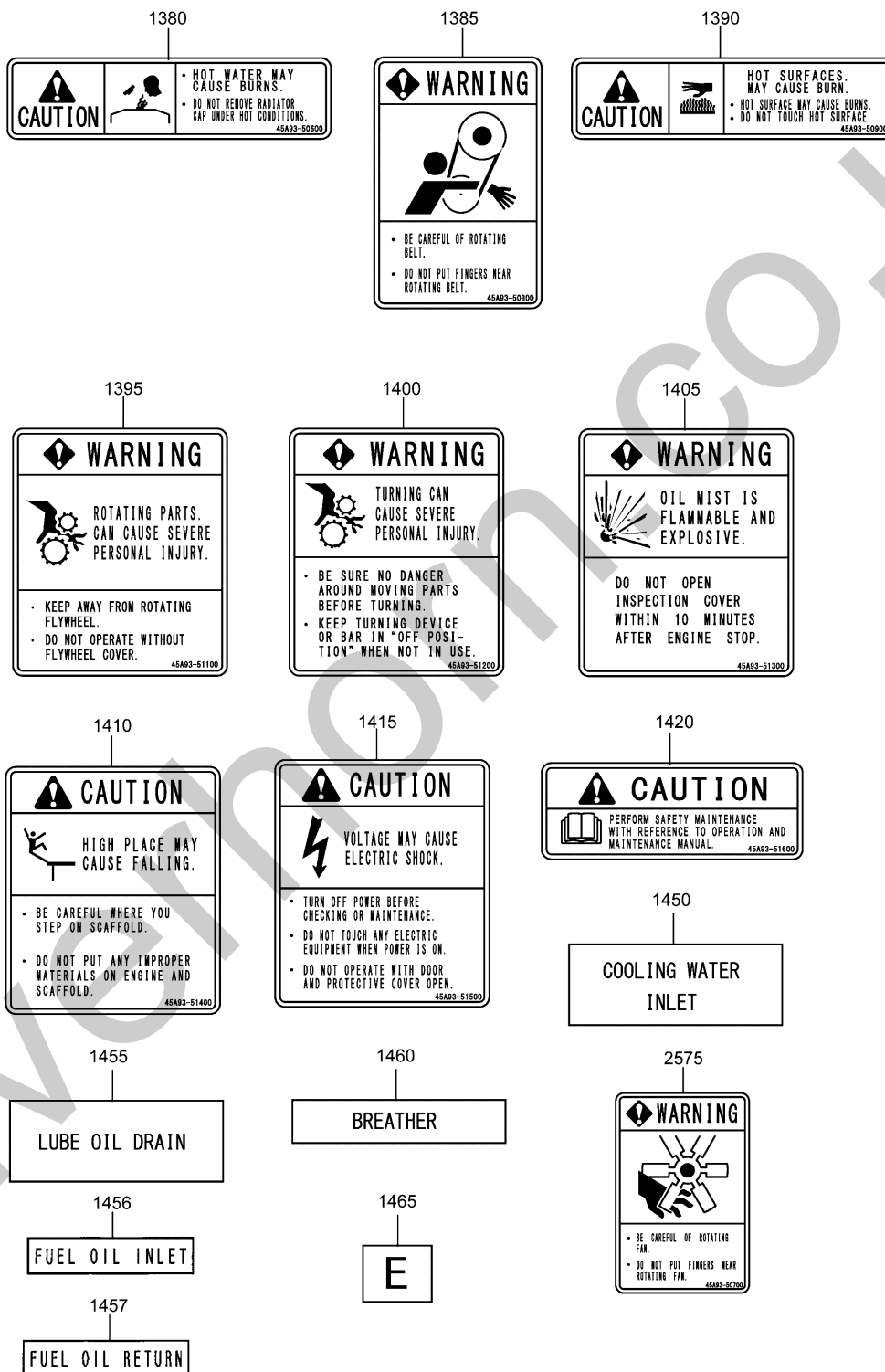
-167-

[illegible]



REF. NO.	PART NO.	PART NAME & DESCRIPTION	MODEL & QTY		
			PTA-S		
1300	45960-56518	HOSE, RUBBER	4		
1330	F5006-21000	PLUG, TAPERED	2		
1350	04829-70651	GASKET, SQUARE	2		
1355	05317-51001	CLAMP	16		
1360	05317-51401	CLAMP	8		
1490	45960-59015	HOSE, RUBBER	1		
1495	45960-59020	HOSE, RUBBER	1		
1505	47510-62302	PIPE, WATER	2		
1515	47512-67200	PIPE, WATER	1		
1520	47512-67100	PIPE, WATER	2		





REF. NO.	PART NO.	PART NAME & DESCRIPTION		MODEL & QTY		
				PTA-S		
1380	45A93-50600	LABEL, CAUTION		1		
1385	45A93-50800	LABEL, CAUTION		1		
1390	45A93-50900	LABEL, CAUTION		4		
1395	45A93-51100	LABEL, CAUTION		3		
1400	45A93-51200	LABEL, CAUTION		1		
1405	45A93-51300	LABEL, CAUTION		1		
1410	45A93-51400	LABEL, CAUTION		2		
1415	45A93-51500	LABEL, CAUTION		1		
1420	45A93-51600	LABEL, CAUTION		1		
1450	45940-06913	PLATE, NAME		1		
1455	45940-06923	PLATE, NAME		1		
1456	45940-06931	PLATE, NAME		1		
1457	45940-06934	PLATE, NAME		1		
1460	45940-06981	PLATE, NAME		1		
1465	45940-38140	PLATE, NAME		1		
2575	45A93-50700	LABEL, CAUTION		2		

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F1010-06016	P482A-000-01	109	7120	F1035-12055	P3780-250	37	0620
F1010-08014	P3780-323	55	0200	F1035-12060	P3780-220	33	0800
F1010-08025	P482A-000-01	109	7100	F1035-12065	P3780-071-01	13	0780
F1010-08050	P482A-000-01	107	3200	F1035-12065	P3780-071-01	13	1150
F1010-10016	P3780-323	55	0960	F1035-12065	P3780-611	117	3160
F1010-10016	P3780-323	55	1150	F1035-12070	P3780-400-01	77	0100024
F1010-10016	P3780-323	55	1350	F1035-12070	P3789-920-02	163	1275
F1035-06020	P3780-875	145	3450	F1035-12075	P3780-071-01	13	0770
F1035-06040	P3780-875	145	3400	F1035-12075	P3780-680-02	141	1100
F1035-06055	P3780-630	135	4200	F1035-12080	P3780-360	67	0910
F1035-08025	P3780-400-01	77	0100021	F1035-12080	P3780-400-01	77	0100025
F1035-08045	P482A-000-04	115	9000024	F1035-12090	P3780-330	57	2300
F1035-10025	P3780-250	37	2500	F1035-12090	P3780-350	65	0210
F1035-10025	P3780-480-01	97	3800003	F1035-12090	P3780-621	133	0600
F1035-10025	P3789-920-02	163	1270	F1035-12100	P3780-361	69	1100
F1035-10035	P3780-400-01	77	0100022	F1035-12100	P3780-400-02	79	0220
F1035-10035	P3780-621	133	2650	F1035-12110	P3780-250	37	0670
F1035-10045	P3780-612-03	125	7200	F1035-12110	P3780-461-02	95	2600
F1035-10065	P3780-360	67	1400	F1035-12110	P3780-610	103	0910
F1035-10070	P3780-612-03	125	7250	F1035-12130	P3780-250	37	0650
F1035-10080	P3780-350	65	0100017	F1035-12130	P3780-400-02	79	0230
F1035-10080	P3780-360	67	0750	F1035-12130	P3780-610	103	0750
F1035-10080	P3780-362	71	1200	F1035-14025	P3780-621	133	1550
F1035-10090	P3780-612-03	125	3960	F1035-14030	P3780-610	103	4200
F1035-12025	P3780-110	19	1400	F1035-14040	P3780-610	103	4250
F1035-12025	P3780-250	39	3220	F1035-14085	P482A-000-02	111	7080
F1035-12025	P3780-390-02	75	1900	F1035-16030	P3780-110	19	1100
F1035-12030	P3780-430-02	87	3020	F1035-16035	P3789-920-04	167	1280
F1035-12030	P3780-480-01	97	2200	F1035-16040	P3780-461-01	93	2000
F1035-12030	P3780-610	103	4500	F1035-16040	P3789-470	149	0355
F1035-12030	P3780-630	135	4460	F1035-16055	P3780-071-01	13	0340
F1035-12030	P3780-680-02	141	0400	F1035-16065	P3780-330	57	3100
F1035-12030	P3780-875	145	3110	F1035-20035	P3780-140	23	0310
F1035-12035	P3780-250	37	2200	F1035-20045	P3780-140	23	0710
F1035-12035	P3780-253	43	0600	F1035-20050	P3780-140	23	0300
F1035-12035	P3780-480-01	97	0400	F1035-20075	P3780-071-01	13	0320
F1035-12035	P3780-630	135	4450	F1035-20075	P3780-140	23	0180
F1035-12035	P3780-680-02	141	0700	F1035-22090	P3780-210	31	0500
F1035-12040	P3780-250	37	0610	F1035-22130	P3780-220	33	1200
F1035-12040	P3780-400-01	77	0100023	F1115-08025	P3780-611	117	1100
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F1035-12040	P3780-610	103	4600	F1155-10040	P3780-362	71	0700
F1035-12040	P3780-680-02	141	0420	F1155-10045	P3780-362	71	0800
F1035-12040	P3789-920-06	171	2680	F1155-10055	P3780-330	57	2850
F1035-12045	P3780-253	43	0400	F1155-10070	P3780-330	57	2800
F1035-12045	P3780-680-02	141	0760	F1450-08025	P3780-255	45	0350
F1035-12050	P3780-253	43	0410	F1620-06012	P3780-550	101	0010011
F1035-12050	P3780-330	57	2400	F1805-08014	P3780-362	71	3020
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F1805-08025	P3780-611	117	2900	F1805-12025	P3780-613	127	1950
F1805-08030	P3780-612-03	125	2600	F1805-12025	P3780-621	133	1850
F1805-10016	P3780-323	55	3800	F1805-12025	P3780-680-02	141	2200
F1805-10016	P3780-362	71	0500	F1805-12030	P3780-050	7	0600
F1805-10016	P3780-613	127	1150	F1805-12030	P3780-071-01	13	0403
F1805-10016	P3780-621	133	1650	F1805-12030	P3780-071-01	13	0700
F1805-10020	P3780-300	47	1700	F1805-12030	P3780-071-01	13	0710
F1805-10020	P3780-323	55	3750	F1805-12030	P3780-230	35	1450
F1805-10020	P3780-360	67	0905	F1805-12030	P3780-250	37	2900
F1805-10020	P3780-425	83	0160	F1805-12030	P3780-360	67	0400
F1805-10020	P3780-461-02	95	3800	F1805-12030	P3780-461-02	95	3000
F1805-10020	P3780-480-01	97	1150	F1805-12030	P3780-461-02	95	3700
F1805-10020	P3780-620-02	131	1200	F1805-12030	P3780-480-01	97	3900
F1805-10020	P3780-680-02	141	1700	F1805-12030	P3780-480-02	99	6300
F1805-10020	P3780-680-02	141	2400	F1805-12030	P3780-550	101	0600
F1805-10025	P3780-071-01	13	0840	F1805-12030	P3780-610	103	0520
F1805-10025	P3780-360	67	1450	F1805-12030	P3780-620-02	131	0400
F1805-10025	P3780-360	67	1700	F1805-12035	P3780-321	53	1710
F1805-10025	P3780-361	69	2300	F1805-12035	P3780-480-02	99	5200
F1805-10025	P3780-362	71	1250	F1805-12035	P3780-660	137	0300
F1805-10025	P3780-420	81	0600	F1805-12040	P3780-250	39	8100
F1805-10025	P3780-461-02	95	3450	F1805-12045	P3780-130	21	4510
F1805-10025	P3780-461-02	95	4070	F1805-12050	P3780-071-01	13	0750
F1805-10025	P3780-461-02	95	4300	F1805-12050	P3780-130	21	0500
F1805-10025	P3780-610	103	2610	F1825-10020	P3780-360	67	0900
F1805-10030	P3780-360	67	0700	F1825-10020	P3780-362	71	2730
F1805-10030	P3780-461-01	93	1700	F1825-10025	P3780-620-02	131	0600
F1805-10030	P3780-461-02	95	7900	F1825-10025	P3780-875	145	3100
F1805-10030	P3780-612-03	125	6640	F1825-10030	P3780-461-01	93	0850
F1805-10030	P3780-621	133	2600	F1825-10030	P3780-550	101	0010012
F1805-10035	P3780-350	65	0100013	F1825-10035	P3780-300	47	3400
F1805-10035	P3780-461-01	93	2100	F1825-10065	P3780-040	5	3100
F1805-10040	P3780-611	117	3700	F1825-10065	P3780-630	135	2260
F1805-10040	P3780-613	127	1460	F1825-12025	P3780-071-01	13	1120
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F1805-10055	P3780-612-03	125	3200	F1825-12030	P3780-071-01	13	0700
F1805-10065	P3780-612-03	125	3950	F1825-12035	P3780-251	41	1950
F1805-10080	P3780-612-03	125	3350	F1825-12035	P3780-390-01	73	0500
F1805-12020	P3780-110	19	0400	F2005-10020	P3780-300	47	1705
F1805-12020	P3780-430-01	85	1920	F2005-10035	P3780-300	47	1300
F1805-12020	P3780-610	103	2600	F2300-06000	P3780-630	135	4300
F1805-12020	P3780-613	127	1900	F2300-06000	P3780-875	145	3170
F1805-12020	P3780-710	143	0300	F2300-08000	P3780-255	45	0370
F1805-12025	P3780-071-01	13	1270	F2300-08000	P3780-400-01	77	0100026
F1805-12025	P3780-130	21	0800	F2300-08000	P3780-611	117	2400
F1805-12025	P3780-250	37	0800	F2300-08000	P3780-611	119	3810
F1805-12025	P3780-305	49	0500	F2300-08000	P3780-630	135	4700
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F2300-10000	P3789-920-02	163	2645	F2515-10000	P3780-362	71	0900
F2300-12000	P3780-250	37	3120	F2515-10000	P3780-362	71	1300
F2300-12000	P3780-450	89	0270	F2515-10000	P3780-390-02	75	1700
F2305-10000	P3780-040	5	0800003	F2515-10000	P3780-400-01	77	0100030
F2305-10000	P3780-040	5	0900003	F2515-10000	P3780-480-01	97	3800004
F2305-12000	P3780-040	5	1400006	F2515-10000	P3780-610	103	3150
F2305-12000	P3780-250	37	0750	F2515-10000	P3780-612-03	125	3400
F2305-14000	P3780-612-02	123	0250	F2515-10000	P3780-612-03	125	7400
F2305-30000	P3780-480-01	97	1700	F2515-10000	P3780-621	133	2750
F2320-14000	P3780-680-02	141	0790007	F2515-10000	P3789-920-02	163	1285
F2325-08000	P3780-610	103	3600	F2515-12000	P3780-071-01	13	0760
F2325-24000	P482A-000-02	111	7200	F2515-12000	P3780-071-01	13	1160
F2325-30000	P3780-450	89	0120	F2515-12000	P3780-220	33	0900
F2440-10000	P3780-390-02	75	1600	F2515-12000	P3780-250	37	0700
F2445-08000	P3780-611	119	3800	F2515-12000	P3780-250	37	3110
F2445-08000	P3780-630	135	4860	F2515-12000	P3780-250	39	3230
F2445-10000	P3780-610	103	3200	F2515-12000	P3780-321	53	1650
F2445-10000	P3780-611	117	0170	F2515-12000	P3780-323	55	3509
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F2500-08000	P3780-611	119	3820	F2515-12000	P3780-360	67	0920
F2500-10000	P3780-323	55	1110	F2515-12000	P3780-361	69	1200
F2500-10000	P3780-323	55	1260	F2515-12000	P3780-390-02	75	2000
F2500-10000	P3780-323	55	3560	F2515-12000	P3780-400-01	77	0100031
F2500-10000	P3780-323	55	3850	F2515-12000	P3780-400-02	79	0300
F2500-10000	P3780-400-01	77	0100028	F2515-12000	P3780-430-02	87	3030
F2500-10000	P3780-610	103	3100	F2515-12000	P3780-450	89	0260
F2500-10000	P3780-613	127	1160	F2515-12000	P3780-461-02	95	2700
F2500-10000	P3780-621	133	2700	F2515-12000	P3780-461-02	95	6800
F2500-10000	P3780-680-02	141	1900	F2515-12000	P3780-480-01	97	0500
F2500-10000	P3780-680-02	141	2450	F2515-12000	P3780-480-01	97	2300
F2500-12000	P3780-323	55	3508	F2515-12000	P3780-610	103	4800
F2500-12000	P3780-400-01	77	0100029	F2515-12000	P3780-611	117	3180
F2500-12000	P3780-400-02	79	0400	F2515-12000	P3780-621	133	0700
F2500-12000	P3780-630	135	4505	F2515-12000	P3780-630	135	4500
F2500-12000	P3780-680-02	141	0450	F2515-12000	P3780-680-02	141	0500
F2500-12000	P3780-680-02	141	0765	F2515-12000	P3780-680-02	141	1200
F2500-12000	P3780-710	143	0400	F2515-12000	P3780-875	145	3180
F2500-16000	P3780-330	57	3300	F2515-12000	P3789-920-02	163	1290
F2515-06000	P3780-630	135	4250	F2515-12000	P3789-920-06	171	2685
F2515-06000	P3780-875	145	3460	F2515-14000	P3780-610	103	4300
F2515-08000	P3780-255	45	0400	F2515-14000	P3780-611	117	3140
F2515-08000	P3780-611	117	1150	F2515-14000	P3780-621	133	1600
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F2515-08000	P3780-630	135	4652	F2515-16000	P3780-330	57	3200
F2515-10000	P3780-323	55	3550	F2515-16000	P3780-461-01	93	2050
F2515-10000	P3780-330	57	2900	F2515-16000	P3789-470	149	0365
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F2846-06000	P3780-071-02	15	2100001	F4540-20000	P3789-621	153	0255
F2846-08000	P3780-070-01	9	0900	F4540-25400	P3789-920-03	165	1310
F2846-08000	P3780-230	35	1160	F4560-06300	P3789-920-02	163	1315
F2846-12000	P3780-050	7	0200	F4560-25400	P3789-920-03	165	1320
F2846-12000	P3780-070-01	9	3100	F4610-14000	P3780-613	127	2400
F2846-12000	P3780-250	37	0850	F4610-14000	P3780-620-02	131	0150
F2846-18000	P3780-110	19	0500	F5000-12000	P482A-000-01	109	7780
F2846-20000	P3780-070-01	9	3000	F5000-16000	P3780-130	21	1400
F2846-20000	P3780-220	33	1100	F5000-20000	P3780-110	19	2500
F2870-07025	P3780-480-01	97	1200	F5000-20000	P3780-130	21	1100
F2870-07025	P482A-000-02	111	7400	F5000-36000	P3780-130	21	0900
F2870-10032	P3780-250	37	2660	F5005-10001	P3780-400-01	77	0100032
F2870-10032	P3780-253	43	0850	F5005-10001	P3780-450	89	0100017
F2870-10032	P3780-450	89	0100012	F5005-21001	P3780-461-02	95	5300
F2870-10032	P3780-680-02	141	3200	F5006-10000	P3780-070-02	11	1260
F3012-05223	P3780-480-01	97	0900	F5006-10000	P3780-071-01	13	0830
F3015-06523	P3780-250	39	3206	F5006-10000	P3780-071-02	15	1700
F3019-02531	P482A-000-04	115	9000011	F5006-10000	P3780-305	49	0450
F3150-07000	P3780-461-02	95	4600	F5006-10000	P3780-320	51	4000
F3153-05500	P3780-450	89	1080	F5006-10000	P3780-321	53	0900
F3153-05500	P3780-461-02	95	6600	F5006-10000	P3780-550	101	0150
F3153-05500	P3789-920-06	171	2670	F5006-10000	P3789-920-02	163	1325
F3153-06000	P3780-461-02	95	4200	F5006-21000	P3780-130	21	0210
F3153-06000	P3780-461-02	95	7800	F5006-21000	P3789-920-05	169	1330
F3153-06000	P3789-920-03	165	1295	F5006-21000	P3789-920-06	171	2675
F3153-07500	P3780-250	37	1300	F5006-26000	P3780-350	65	0600
F3153-07500	P3789-470	149	0370	F5006-33000	P3780-071-01	13	4530
F3153-10500	P3780-450	89	0400	F5006-33000	P3780-130	21	1350
F3153-17000	P3780-450	89	0100013	F5006-33000	P3780-450	89	1095
F3156-05000	P3780-450	89	0100014	F8000-08000	P482A-000-01	105	2890006
F3200-01700	P3780-611	117	0180	F8000-32000	P3789-613	151	0270
F3200-05500	P3780-450	89	0100015	F8000-32000	P3789-621	153	0270
F3202-03000	P3780-611	117	3500	F8001-30010	P3780-612-01	121	0001015
F3202-03200	P3780-611	117	0960	F8001-30014	P3780-612-01	121	0001014
F3202-07000	P3780-170	25	0600	F8005-06411	P3780-480-01	97	0700
F3202-10000	P3780-253	43	1200	F8006-06210	P3780-253	43	1300
F3202-12000	P3780-450	89	0100016	F8007-06200	P3780-611	117	3400
F4521-20000	P3789-613	151	0275	F8007-06201	P3780-611	117	0950
F4521-20000	P3789-621	153	0275	F8010-06309	P3780-253	43	1100
F4540-06300	P3780-071-02	15	1800	F8010-06310	P3780-250	39	3300
F4540-06300	P3780-250	37	1400	F8010-06310	P3780-450	89	0100018
F4540-06300	P3780-400-02	79	1200	F8010-06311	P3780-450	89	0100019
F4540-06300	P3789-920-02	163	1305	F8010-06311	P3780-480-01	97	0800
F4540-08000	P3780-390-01	73	0700	F8143-32207	P482A-000-01	109	7900
F4540-08000	P3780-400-02	79	1300	F8665-02100	P3789-660	157	0035
F4540-10000	P3780-071-02	15	1650	MC802397	P3780-040	5	2000
F4540-10000	P3780-613	127	2300	ME064526	P3780-390-01	73	0100004
F4540-10000	P3780-621	133	0520	ME150442	P3780-390-01	73	0100007

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MH000184	P3780-400-02	79	0210	04827-71000	P3780-010	3	0300003
MH000854	P3780-040	5	2700	04827-71300	P3780-070-01	9	3200
MH022324	P3780-480-01	97	2450	04827-71300	P3780-070-01	9	3300
MH035093	P3780-390-01	73	0100005	04827-71300	P3780-253	43	1600
MH035626	P3780-390-01	73	0100006	04827-71300	P3780-480-01	97	4300
MM502566	P3780-680-01	139	0150003	04827-90330	P3780-350	65	0100015
00665-02048	P482A-000-01	107	6200	04829-70651	P3789-920-05	169	1350
00665-02048	P4962-100	61	0200	05317-41800	P3780-071-02	15	1950
00665-04048	P3780-930	147	0300	05317-50401	P3780-430-02	87	3000001
02310-00231	P3780-660	137	0200001	05317-51001	P3789-920-05	169	1355
02331-01340	P3780-660	137	0200006	05317-51201	P3780-451	91	0090
02350-00690	P3780-660	137	0200012	05317-51401	P3789-920-05	169	1360
02371-10221	P3780-660	137	0200017	05317-52201	P3780-300	47	4200
02375-00050	P3780-660	137	0200019	05318-00300	P3780-612-02	123	2910
02392-10230	P3780-660	137	0200028	05505-31065	P3780-461-01	93	0500
02934-14130	P482A-000-03	113	6100016	05505-57060	P3780-461-01	93	0510
02973-14570	P482A-000-03	113	6100015	05507-10060	P482A-000-01	105	2890004
04245-01120	P482A-000-01	107	6101	05507-10080	P482A-000-01	109	7540
04322-40100	P3789-660	157	0040	05507-10080	P482A-000-04	115	9000013
04343-38011	P3780-680-01	139	0150004	05507-10110	P3780-400-01	77	0100001
04343-38012	P3780-680-01	139	0150005	05507-10140	P3780-390-01	73	0100001
04343-38013	P3780-680-01	139	0150006	05507-10140	P3780-390-02	75	1500
04343-38015	P3780-680-01	139	0150008	05507-10200	P3780-040	5	2200
04343-38016	P3780-680-01	139	0150009	05507-10220	P3780-070-01	9	0210
04343-38021	P3780-680-01	139	0150002	05507-10260	P3780-612-02	123	0600
04343-38021	P3780-680-01	139	0150012	05507-10340	P3780-070-01	9	2800
04343-38211	P3780-680-01	139	0150007	05507-10340	P3780-390-01	73	0210
04343-38411	P3780-680-01	139	0150010	05507-10340	P3780-612-02	123	0500
04343-38412	P3780-680-01	139	0150013	05507-10360	P3780-610	103	3350
04343-38413	P3780-680-01	139	0150011	05507-10360	P482A-000-04	115	9000020
04343-38700	P3780-680-01	139	0150	05507-10390	P482A-000-04	115	9000022
04400-08801	P3780-875	145	3000	05507-10420	P3780-612-02	123	0300
04410-32902	P3789-630	155	0055	05507-10440	P3780-390-01	73	0400
04410-42010	P3780-630	135	7200	05507-10460	P3780-550	101	0010001
04410-43420	P3780-630	135	7700	05507-10460	P3780-550	101	0700
04410-43420	P3789-920-01	161	1340	05507-11350	P3780-300	47	3060
04410-43500	P3789-630	155	0060	05507-20250	P3780-362	71	1100
04410-43500	P3789-920-01	161	1345	05507-20250	P482A-000-01	109	7660
04410-53110	P3789-920-01	161	1335	05507-20250	P482A-000-04	115	9000016
04826-21000	P3780-040	5	1400008	05507-20300	P3780-330	57	2000
04826-21000	P482A-000-01	105	2860	05507-20300	P3780-330	57	2100
04826-21400	P3780-250	37	0255	05507-20300	P3780-390-02	75	1400
04826-22200	P3780-330	57	3050	05507-20300	P3780-400-02	79	0160
04826-22500	P3780-010	3	0300001	05507-20350	P3780-360	67	2400
04826-22800	P3780-010	3	0300002	05507-20350	P3780-361	69	2100
04826-25000	P3780-250	37	0210001	05507-20350	P3780-400-01	77	0100002
04826-28090	P3789-470	149	0375	05507-20350	P3780-400-02	79	0800
04826-40032	P3780-461-02	95	4500	05507-20350	P482A-000-01	109	7620
04826-42050	P3780-461-02	95	3600	05507-20350	P482A-000-04	115	9000014

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05507-20400	P3780-400-01	77	0100003	05946-02001	P3780-071-02	15	1400
05507-20450	P3780-480-02	99	6100	05946-02001	P3780-110	19	2600
05507-20500	P3780-360	67	2300	05946-02001	P3780-130	21	1200
05507-20550	P3780-071-01	13	0810	05946-02401	P3780-350	65	0100012
05507-20600	P3780-130	21	0700	05946-02701	P3780-610	103	3400
05507-20600	P3780-230	35	1100	05946-02701	P482A-000-04	115	9000021
05507-20600	P3780-480-01	97	4100	05946-03301	P3780-350	65	0100014
05507-20600	P3780-480-02	99	6200	05946-03601	P3780-130	21	1000
05507-20650	P3780-360	67	1050	05977-12030	P3780-250	37	3100
05507-20750	P3780-350	65	0400	05977-12050	P3780-250	37	3105
05507-20800	P3780-130	21	0250	05977-12060	P3780-450	89	0250
05507-20800	P3780-360	67	0500	05977-12065	P3780-250	37	3103
05507-20800	P3780-360	67	1000	05978-10100	P3780-400-01	77	0100004
05507-20800	P3780-361	69	2500	05978-10180	P3780-550	101	0300
05507-20800	P482A-000-01	109	7640	05978-12155	P3780-250	37	0600
05507-20800	P482A-000-04	115	9000015	05978-12160	P3780-250	37	0655
05507-20850	P3780-361	69	1050	05978-16115	P3780-110	19	1050
05507-20950	P3780-251	41	1500	05978-16155	P3780-110	19	1000
05507-20950	P3780-251	41	1800	05978-16160	P3780-250	37	0900
05507-21200	P3780-300	47	3200	07707-12035	P3780-321	53	1600
05507-21250	P3780-250	39	3210	07707-12045	P3780-330	57	1200
05507-21450	P3780-350	65	0300	08302-06000	P3780-630	135	4270
05507-21450	P3780-630	135	4400	09413-00800	P3780-611	117	1700
05507-21600	P3780-450	89	0300	09413-00800	P3780-630	135	4900
05507-22900	P3780-480-01	97	0300	09413-01401	P3780-680-02	141	0790001
05507-22900	P3780-480-02	99	5100	10456-60067	P3780-660	137	0200009
05634-00610	P3780-875	145	3150	10456-62007	P3780-660	137	0200003
05634-01200	P482A-000-01	105	2890002	10456-62047	P3780-660	137	0200002
05660-05030	P3780-110	19	0250	12374-00050	P3780-660	137	0200020
05902-08095	P3780-630	135	4750	12391-30040	P3780-660	137	0200018
05903-00100	P3780-611	117	1600	12392-10130	P3780-660	137	0200025
05946-00801	P3780-620-01	129	0100001	12392-10140	P3780-660	137	0200026
05946-00801	P482A-000-01	107	6500	12394-10040	P3780-660	137	0200027
05946-00801	P482A-000-04	115	9000006	12592-22800	P3780-660	137	0200021
05946-01001	P3780-612-01	121	0001016	15200-21720	P482A-000-03	113	6100001
05946-01001	P3780-613	127	0500	15210-01120	P482A-000-03	113	6100002
05946-01001	P3780-613	127	0600	15210-40100	P482A-000-03	113	6100003
05946-01001	P482A-000-01	109	6520	15210-50400	P482A-000-03	113	6100004
05946-01001	P482A-000-04	115	9000007	15211-11920	P482A-000-03	113	6100005
05946-01201	P3780-070-01	9	2000	15211-20100	P482A-000-03	113	6100006
05946-01201	P3780-610	103	0460	15211-30700	P482A-000-03	113	6100007
05946-01201	P482A-000-01	109	6540	15211-40400	P482A-000-03	113	6100008
05946-01201	P482A-000-04	115	9000008	15211-50200	P482A-000-03	113	6100009
05946-01401	P3780-610	103	1050	15211-60200	P482A-000-03	113	6100010
05946-01401	P3780-612-01	121	0001003	15211-70100	P482A-000-03	113	6100011
05946-01401	P3780-613	127	2500	15212-10200	P482A-000-03	113	6100012
05946-01401	P3780-620-02	131	0160	15220-05620	P482A-000-03	113	6100013
05946-01401	P482A-000-01	109	6560	15230-04020	P482A-000-03	113	6100014
05946-01401	P482A-000-04	115	9000009	15231-01300	P482A-000-03	113	6100017

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30007-05500	P3780-071-02	15	1500	33407-16100	P3780-071-02	15	1300
30407-05601	P3780-255	45	0150	33442-20200	P3780-361	69	2200
30A01-03400	P3780-480-01	97	2475	33442-20200	P3780-420	81	0500
31201-71800	P3780-071-01	13	0350	33442-20200	P3780-425	83	0150
31201-71800	P3780-110	19	1200	33501-13400	P3780-010	3	0900
31201-71800	P3780-250	37	1050	33504-10300	P3780-040	5	0700
31262-51901	P3780-610	103	1100	33546-06900	P3780-130	21	0600
32042-20500	P3780-430-02	87	3000003	33546-06900	P3780-461-02	95	2800
32307-02500	P3780-070-01	9	2100	33561-14500	P3780-612-02	123	0260
32307-02500	P3780-070-01	9	2600	33707-11701	P3780-010	3	1350
32423-03800	P3780-250	37	2400	33707-11701	P3780-210	31	0600
32504-00400	P3780-040	5	0400	33707-11701	P3780-220	33	0500
32507-01400	P3780-070-01	9	0300002	34407-02700	P3780-450	89	0210
32507-01400	P482A-000-02	111	7340	34468-17127	P3780-680-01	139	0150014
32522-04111	P3780-220	33	0004	34A25-04401	P3780-480-02	99	6150
32522-04211	P3780-220	33	0005	34A36-36100	P3780-613	127	0400
32522-04311	P3780-220	33	0006	34A42-00500	P3780-420	81	0300
32532-01700	P3780-320	51	2050	34A48-02100	P3780-250	37	2600
32532-06320	P3780-323	55	0950	34A48-02100	P3780-611	117	0160
32532-06425	P3780-323	55	3506	34A68-05100	P3780-680-01	139	0101
32532-07370	P3780-320	51	3250	34A87-07100	P3780-611	117	2700
32532-09100	P3780-330	57	1000	34A87-07200	P3780-611	117	2600
32532-20800	P3780-320	51	1950	34A87-07200	P3780-630	135	3450
32532-20800	P3780-320	51	3200	35A25-00600	P3780-480-01	97	1800
32532-20800	P3780-321	53	0300	35A30-00100	P3780-300	47	1100
32536-19400	P3780-613	127	0300	35A35-13200	P3780-350	65	0100010
32542-01100	P3780-430-02	87	3000004	35A61-19900	P3780-610	103	3700
32542-11300	P3780-430-02	87	3010	35A61-19900	P3780-611	117	2500
32542-20501	P3780-420	81	0200	35A61-19900	P3780-630	135	3400
32545-22900	P3780-461-02	95	5400	35A61-38602	P3780-611	117	1400
32546-46800	P3780-461-02	95	2900	35A61-38602	P3780-630	135	4800
32546-46800	P3780-461-02	95	3500	35A61-38702	P3780-630	135	4850
32561-28300	P3780-611	117	3600	35B36-02900	P3780-430-02	87	3040
32561-58600	P3780-611	117	0970	35B43-01500	P3780-430-01	85	0120
32562-00115	P3780-620-01	129	0100002	35B62-07101	P3780-613	127	1560
32562-00800	P3780-620-02	131	9000	35B62-07400	P3780-613	127	1570
32562-60300	P3780-620-01	129	0100003	35C36-02900	P3780-362	71	0600
32607-10700	P3780-070-01	9	2750	36207-08900	P3780-071-02	15	2300
32645-06200	P3780-071-02	15	1600	36207-58901	P3780-071-02	15	2200
32645-11800	P3780-450	89	0100001	36242-30200	P3780-430-02	87	3000002
32646-08600	P3780-360	67	0860	36646-00090	P3780-461-01	93	1450
32663-06300	P3780-611	117	0300	37101-10600	P3780-010	3	1400
32663-16200	P3780-611	117	0400	37104-02800	P3780-040	5	1400003
32B90-00300	P3789-680	159	0010	37123-03400	P3780-250	37	1800001
33311-01600	P3780-610	103	4810	37123-03400	P3780-480-01	97	3500001
33336-20500	P3780-461-02	95	2500	37136-19100	P3780-610	103	0450
33401-02600	P3780-071-01	13	0330	37261-01700	P3780-621	133	2400
33401-02600	P3780-140	23	0400	37411-02300	P3780-110	19	0200
33401-02600	P3780-140	23	0800	37411-04200	P3780-110	19	1600

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37432-06801	P3780-611	117	0930	37517-10010	P3780-170	25	0700
37432-16400	P3780-323	55	1300	37517-18100	P3780-170	25	0500
37461-00501	P3780-611	117	0600	37517-30101	P3780-170	25	0100
37493-00300	P3780-930	147	0600	37519-10600	P3780-190	27	0700
37501-01501	P3780-010	3	1150	37519-11401	P3780-190	27	0110005
37501-01501	P3780-040	5	2300	37519-13100	P3780-190	27	0600
37501-11401	P3780-010	3	1100	37519-13200	P3780-190	27	0610
37501-12200	P3780-010	3	1200	37519-13300	P3780-190	27	0620
37501-12501	P3780-010	3	1300	37519-13400	P3780-190	27	0630
37501-13100	P3780-010	3	1500	37519-13500	P3780-190	27	0640
37501-14200	P3780-010	3	1510	37519-20301	P3780-190	27	0110002
37501-14300	P3780-010	3	1520	37525-00600	P3780-253	43	0900
37501-80050	P3780-010	3	0500	37525-03600	P3780-253	43	0300
37504-00300	P3780-040	5	0500	37525-07901	P3780-050	7	0400
37504-02300	P3780-040	5	2100	37525-07901	P3780-110	19	1420
37504-03400	P3780-040	5	0800001	37525-07901	P3780-250	37	2300
37504-03500	P3780-040	5	0900001	37525-07901	P3780-253	43	0500
37504-03801	P3780-040	5	0300	37525-07901	P3780-253	43	0610
37504-04300	P3780-040	5	1400001	37525-07901	P3780-610	103	0800
37504-10400	P3780-040	5	0600	37525-07901	P3780-610	103	0920
37504-14600	P3780-040	5	2800	37525-09600	P3780-050	7	0300
37504-22021	P3780-040	5	1400002	37525-09900	P3780-253	43	1150
37504-26102	P3780-040	5	2900	37525-13400	P3780-253	43	1410
37504-31200	P3780-040	5	1900	37525-13400	P3780-450	89	0100002
37504-32500	P3780-040	5	1400005	37525-63100	P3780-253	43	0200
37504-40200	P3780-040	5	0305	37530-00200	P3780-300	47	0300
37504-51102	P3780-040	5	1800	37532-00800	P3780-320	51	0400
37504-54012	P3780-040	5	1400007	37532-09500	P3780-320	51	0200
37504-66200	P3780-040	5	3000	37532-30601	P3780-320	51	2000
37505-10800	P3780-050	7	0500	37532-37101	P3780-323	55	0100
37505-13100	P3780-050	7	0800	37535-02300	P3780-350	65	0100007
37505-31100	P3780-050	7	0700	37535-12200	P3780-350	65	0100006
37507-00703	P3780-070-01	9	2700	37536-01800	P3780-253	43	1500
37507-00703	P3780-390-01	73	0200	37540-02100	P3780-400-01	77	0100009
37507-03400	P3780-070-02	11	1510	37540-11100	P3780-400-01	77	0100005
37507-03901	P3780-070-01	9	1900	37540-11300	P3780-400-02	79	1100
37507-12500	P3780-070-02	11	1400	37543-10022	P3780-430-02	87	3000
37507-12510	P3780-070-02	11	1410	37543-10101	P3780-430-02	87	3000005
37507-12520	P3780-070-02	11	1420	37545-00200	P3780-450	89	0100003
37507-13300	P3780-070-02	11	1460	37545-00300	P3780-450	89	0100004
37507-13500	P3780-070-02	11	1610	37545-02900	P3780-450	89	0200
37507-16401	P3780-071-01	13	0600	37545-09100	P3780-451	91	0010
37507-16501	P3780-071-01	13	1000	37545-09200	P3780-451	91	0080
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37507-27201	P3780-071-01	13	0500	37546-00900	P3780-461-01	93	1350
37507-37400	P3780-071-01	13	0900	37546-01600	P3780-461-02	95	5450
37507-37800	P3780-071-01	13	0950	37546-01800	P3780-461-01	93	1300
37507-82600	P3780-070-02	11	1300	37546-03500	P3780-461-02	95	7700
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37546-23300	P3780-461-01	93	1600	37587-00900	P3780-875	145	3600
37546-23702	P3780-461-01	93	1400	37588-06000	P3780-875	145	3750
37546-31700	P3780-461-01	93	1200	37704-03300	P3780-040	5	0800002
37555-04400	P3780-550	101	0010002	37704-03300	P3780-040	5	0900002
37555-04400	P3780-550	101	0400	37707-01701	P3780-070-01	9	0300003
37555-04500	P3780-550	101	0450	37707-01900	P3780-070-01	9	0800
37555-04501	P3780-550	101	0010003	37707-03101	P3780-070-01	9	1700
37555-10600	P3780-305	49	0400	37707-03201	P3780-070-01	9	1800
37555-10600	P3780-550	101	0010006	37707-09300	P3780-305	49	0350
37555-10600	P3780-550	101	0500	37707-11801	P3780-070-01	9	0300005
37560-04800	P3780-611	117	1500	37707-17200	P3780-071-01	13	0402
37561-00500	P3780-610	103	0530	37707-17200	P3780-071-01	13	0650
37561-01602	P3780-612-02	123	0200	37707-20400	P3780-071-02	15	2100
37561-01800	P3780-250	37	2750	37709-12010	P3780-090	17	0500
37561-01800	P3780-610	103	0900	37709-12020	P3780-090	17	0510
37561-03700	P3780-610	103	0470	37709-12030	P3780-090	17	0520
37561-06810	P3780-612-02	123	0002	37709-12040	P3780-090	17	0530
37561-08800	P3780-612-02	123	2900	37709-12050	P3780-090	17	0540
37561-09901	P3780-610	103	3950	37709-28100	P3780-090	17	0300
37561-11901	P3780-610	103	3000	37709-28200	P3780-090	17	0710
37561-13600	P3780-612-02	123	0850	37709-28300	P3780-090	17	0720
37561-16600	P3780-612-01	121	0001006	37709-28400	P3780-090	17	0730
37561-23500	P3780-612-02	123	0800	37711-01100	P3780-110	19	0710
37561-42801	P3780-610	103	3300	37711-01200	P3780-110	19	0910
37561-46500	P3780-612-01	121	0001011	37711-04300	P3780-110	19	1700
37561-56700	P3780-612-01	121	0001009	37711-05900	P3780-110	19	1300
37562-10111	P3780-620-01	129	0100004	37711-06032	P3780-110	19	3000
37562-13100	P3780-612-03	125	3110	37711-13102	P3780-430-01	85	1900
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37562-13300	P3780-612-03	125	3010	37711-45300	P3780-110	19	0800
37562-13400	P3780-612-03	125	3060	37714-20100	P3780-140	23	0100
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37566-10312	P3780-660	137	0200013	37723-11102	P3780-230	35	1500
37566-10511	P3780-660	137	0200016	37723-12100	P3780-230	35	1600
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37725-03504	P3780-250	37	2100	37739-32100	P3780-390-02	75	1200
37725-06100	P3780-255	45	0200	37739-50010	P3780-390-01	73	0100
37725-10901	P3780-250	39	3205	37740-00700	P3780-400-02	79	0700
37725-14400	P3780-680-02	141	3150	37740-01700	P3780-400-01	77	0100006
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37725-22303	P3780-250	37	2650	37740-27112	P3780-400-01	77	0100010
37725-27200	P3780-251	41	1700	37740-27123	P3780-400-01	77	0100011
37725-30600	P3780-250	37	2800	37740-50314	P3780-400-01	77	0100015
37725-40200	P3780-250	37	0300	37740-50315	P3780-400-01	77	0100016
37725-40500	P3780-250	37	2700	37740-60312	P3780-400-01	77	0100018
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37732-07302	P3780-323	55	3700	37743-04600	P3780-480-02	99	6500
37732-09502	P3780-323	55	3600	37743-04801	P3780-480-02	99	6800
37732-10901	P3780-320	51	1900	37743-40100	P3780-480-01	97	2650
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37733-18300	P3780-323	55	0310	37745-20501	P3780-450	89	0100010
37733-18400	P3780-323	55	0510	37745-40101	P3780-450	89	0100011
37735-00032	P3780-350	65	0100	37745-70012	P3780-450	89	0100
37735-03100	P3780-350	65	0500	37746-00400	P3780-450	89	0350
37735-10901	P3780-350	65	0100011	37746-00501	P3780-250	37	1200
37735-21800	P3780-350	65	0100009	37746-01102	P3780-461-01	93	0300
37735-30300	P3780-350	65	0100003	37746-01200	P3780-461-01	93	0400
37735-30701	P3780-350	65	0100018	37746-01300	P3780-461-01	93	0450
37735-40400	P3780-350	65	0100016	37746-04400	P3780-461-02	95	4100
37735-48021	P3780-350	65	0100005	37746-04800	P3780-461-02	95	4050
37735-72001	P3780-350	65	0100002	37746-09501	P3780-461-02	95	6400
37735-81001	P3780-350	65	0100001	37746-09601	P3780-461-02	95	6500
37736-01500	P3780-613	127	1300	37746-13401	P3780-461-01	93	1800
37736-01500	P3780-621	133	1250	37746-13501	P3780-461-01	93	1900
37736-03401	P3780-360	67	0600	37746-24100	P3780-461-02	95	2400
37736-10101	P3780-360	67	0200	37746-24300	P3780-461-02	95	4000
37736-11302	P3780-361	69	2400	37748-00300	P3780-480-01	97	1100
37736-19300	P3780-070-02	11	1250	37748-03015	P3780-480-01	97	3500
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37736-44200	P3780-361	69	2000	37748-11600	P3780-480-02	99	6000
37739-00800	P3780-361	69	0300	37748-11701	P3780-480-01	97	3800001
37739-10200	P3780-390-01	73	0300	37748-13201	P3780-480-01	97	3600
37739-10900	P3780-361	69	1150	37748-14011	P3780-480-01	97	3800
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37748-20900	P3780-480-01	97	2050	37768-12801	P3780-680-02	141	2300
37748-26400	P3780-480-01	97	2410	37768-22100	P3780-680-02	141	0300
37748-41500	P3780-480-01	97	3800002	37768-38300	P3780-680-02	141	1000
37755-01500	P3780-550	101	0010007	37768-42500	P3780-680-02	141	1601
37760-01200	P3780-612-01	121	0001007	37771-00102	P3780-710	143	0100
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37761-27500	P3780-611	117	3000	37820-04501	P3780-200	29	0350006
37761-27600	P3780-611	117	3100	37820-04600	P3780-200	29	0350007
37761-27801	P3780-611	117	3300	37820-04701	P3780-200	29	0350008
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37761-67200	P3780-611	117	0910	37823-03801	P3780-230	35	1150
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37762-13100	P3780-610	103	0510	37825-02100	P3780-200	29	0350010
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37762-22800	P3780-613	127	2000	37830-09800	P3780-300	47	3050
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37762-52501	P3780-613	127	1200	37830-21100	P3780-300	47	0700
37762-61400	P3780-621	133	1100	37830-21201	P3780-300	47	0800
37763-06200	P3780-611	117	0172	37830-33600	P3780-300	47	4100
37763-06400	P3780-611	117	0174	37832-01701	P3780-320	51	3100
37763-27300	P3780-630	135	4560	37832-02901	P3780-320	51	1550
37766-03200	P3780-110	19	0300	37832-03101	P3780-320	51	3000
37766-20201	P3780-660	137	0200	37832-08300	P3780-323	55	3400
37768-04400	P3780-680-02	141	1550	37832-12500	P3780-320	51	1150
37768-12200	P3780-680-02	141	0600	37832-12600	P3780-320	51	1250
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37832-16700	P3780-323	55	0860	37855-21003	P3780-550	101	0010
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37832-24201	P3780-330	57	2600	37860-02200	P3780-612-03	125	1000
37832-24402	P3780-321	53	0650	37860-02300	P3780-612-03	125	1100
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37832-30702	P3780-320	51	1300	37860-02600	P3780-612-03	125	1400
37832-31400	P3780-320	51	3040	37860-02700	P3780-612-03	125	1500
37832-41501	P3780-320	51	3050	37860-02800	P3780-612-03	125	1600
37832-41601	P3780-320	51	3060	37860-03100	P3780-612-03	125	1700
37832-48100	P3780-323	55	3000	37860-03200	P3780-612-03	125	1800
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37832-54501	P3780-321	53	0100	37860-03400	P3780-612-03	125	2000
37832-57300	P3780-323	55	0400	37860-03500	P3780-612-03	125	2100
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37832-57600	P3780-323	55	0700	37860-03700	P3780-612-03	125	2300
37832-57700	P3780-323	55	0800	37860-03800	P3780-612-03	125	2400
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37833-18300	P3780-323	55	0540	37861-04200	P3780-613	127	0200
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37836-03502	P3780-360	67	3080	37861-11601	P3780-610	103	4100
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37836-04602	P3780-360	67	1300	37862-14200	P3780-621	133	1800
37836-04701	P3780-360	67	1600	37862-31100	P3780-621	133	0800
37836-04801	P3780-360	67	2500	37862-31301	P3780-621	133	1000
37836-04901	P3780-360	67	3000	37862-31700	P3780-621	133	1400
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37836-16801	P3780-362	71	3010	37862-51200	P3780-621	133	0900
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37836-35900	P3780-362	71	1000	37898-06410	P3780-130	21	0100
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