

HİDROMEK®

EKSKAVATÖR
EXCAVATOR

HMK 490LC3



YEDEK PARÇA KATALOĞU SPARE PARTS CATALOG

SERİ NO / SERIAL NO : D138001- ISUZU
BASKI TARİHİ / EDITION DATE : 09.09.2015
KATALOG NO / CATALOG NO : H387322300

ÖNSÖZ

HMK Ekskavatör İş Makinasını tercih ettiğiniz için teşekkür ederiz.

İyi bir servis hizmeti ve doğru parça seçimi için kataloğun kapsamı ile ilgili aşağıda belirtilen açıklamaları okuyunuz ve anlayınız.

No

Gösterilen parçanın poz numarasını verir.

Parça No

Resimde gösterilen parçaların parça numarasını gösterir.

Parça Adı

Parçanın adını gösterir.

Adet

Parçanın o sayfada yer alan gruptaki kullanım adedini gösterir.

SK

Servis kodu kolonunda yer alan kısaltmaların aşağıda gösterildiği gibi kendilerine ait anlamları vardır.

K	→	Parçanın kit içinde yer aldığı anlamına gelir. Kitin içinde yer alan parçalar teker teker tedarik edilemez.
OP	→	Opsiyonel parça
NSP	→	Servis parçası değil.
S	→	Set. Set içinde yer alan parçalar teker teker tedarik edilebilir.

Başlangıç Seri No (Bas. S. N.)

Parçanın kullanıldığı makinenin başlangıç seri numarasını gösterir.

Örneğin; 9134501 - → gösterilen parça 9134501'den itibaren kullanılmıştır.

Bitiş Seri No (Bit. S. N.)

Parçanın kullanıldığı makinenin başlangıç seri numarasını gösterir.

Örneğin; - B134124 → gösterilen parça B134124'e kadar kullanılmıştır.

Yerine Kullanım (Y. Kul.)

Parçaların birbirleri yerine kullanılabilirliğini ifade eder.

- A → Birbirlerinin yerine kullanılabilirler. (eski parça ↔ yeni parça)
- B → Biri diğerinin yerine kullanılabilir. (eski parça → yeni parça)
- C → Biri diğerinin yerine kullanılabilir. (eski parça ← yeni parça)
- D → Birbirlerinin yerine kullanılamaz. (eski parça – yeni parça)

Not

Parçaların tanımlarında yer almayan açıklamaları gösterir.

PREFACE

We would like to thank you for purchasing Excavator Construction Equipment.

For satisfactory service and selection of correct part, read and understand instructions as shown below.

No

This indicates the indicating number of part.

Part No

It shows the part number of the parts which are included in an illustration.

Description

It shows the name of the part.

Q'ty

It shows the quantity use of part for the group that was illustrated on page.

SC

Abbreviations on service code column have their own meaning as show below.

- | | | |
|-----|---|---|
| K | → | This means that the part is contained in the kit. Parts are given with KIT, can not be supplied individually. |
| OP | → | Optional part |
| NSP | → | Non service part. |
| S | → | Set. Parts are given with set, can be supplied individually. |

Serial Number From (S./N. From)

It shows the machine serial number in which the parts are used.

For example; 9134501 - → the part that is shown in illustration was used from 9134501.

Serial Number From (S./N. To)

It shows the machine serial number in which the parts are used.

For example; - B134124 → the part that is shown in illustration was used to D134501.

ICA

This indicates the interchangeability of the parts between a new one and old one.

- | | | |
|---|---|--|
| A | → | Mutual interchangeability (old part ↔ new part) |
| B | → | One way interchangeability (old part → new part) |
| C | → | One way interchangeability (old part ← new part) |
| D | → | No interchangeability (old part – new part) |

Note

It shows explanations, which are not given in description

KISALTMALAR / ABBREVIATIONS

KISALTMA/ABBREVIATION	AÇIKLAMA	DESCRIPTION
&	VE	AND
A/C		AIR CONDITIONER
A.K.V.	ANA KUMANDA VALFİ	
AM		ARM
AR		AS REQUIRED
ASS'Y		ASSEMBLY
BKT		BUCKET
BM		BOOM
FR	FRANSIZCA	
HYD.		HYDRAULIC
ISP	İSPANYOLCA	
İNG	İNGİLİZCE	
JY	JOYSTICK	
K	KIT	KIT
K.M.	KAYNAKLI MONTAJ	
LH		LEFT HAND
LR		LONG REACH
M.C.V.		MAIN CONTROL VALVE
OP	OPSİYONEL	OPTINAL
PORT	PORTEKİZCE	
REV.	REVİZYON	REVISION
RH		RIGHT HAND
RUS	RUSÇA	
S	SET	SET
STD	STANDART	STD
SW		SWING
TR	TÜRKÇE	
TRV		TRAVEL
W.A.		WELDING ASSEMBLY

İÇİNDEKİLER / CONTENTS

A	MOTOR SİSTEMİ	ENGINE SYSTEM
A010.00.01	MOTOR MONTAJI	ENGINE MOUNTING
A020.00.01	HAVA EMİŞ SİSTEMİ	AIR INTAKE SYSTEM
A030.00.01	EGZOZ MONTAJI	EXHAUST MOUNTING
A040.00.01	SOĞUTMA SİSTEMİ	COOLING SYSTEM
A040.00.01	SOĞUTMA SİSTEMİ	COOLING SYSTEM
A050.00.01	RADYATÖR KOMPLESİ	RADIATOR ASS'Y
A050.00.01	RADYATÖR KOMPLESİ	RADIATOR ASS'Y
A060.00.01	YAKIT SİSTEMİ	FUEL SYSTEM
A070.00.01	ÖN YAKIT FİLTRESİ MONTAJI (OP)	PRE-FUEL FILTER ASS'Y (OP)
A080.00.01	YAKIT TRANSFER POMPASI MONTAJI	FUEL FEED PUMP ASS'Y
A090.00.01	KLİMA VE KALORİFER MONTAJI	AIRCONDITION AND HEATER MOUNTING
A100.00.01	KLİMA VE KALORİFER ÜNİTESİ	AIRCONDITION AND HEATER UNIT
B	ŞAŞİ VE KAPORTA	FRAME & COWLING
B010.00.01	ÜST ŞAŞİ VE ALT KAPAK MONTAJI	UPPER FRAME AND UNDER COVER MOUNTING
B015.00.01	ARKA AĞIRLIK MONTAJI	COUNTER WEIGHT MOUNTING
B015.02.01	ARKA AĞIRLIK MONTAJI (OP)	COUNTER WEIGHT MOUNTING (OP)
B020.00.01	TAKIM SANDIĞI MONTAJI	TOOL BOX MOUNTING
B040.00.01	YÜRÜME SAÇLARI	ANTI-SLIP WALKWAY
B050.00.01	KAPORTA MONTAJI, SAĞ	COWLING ASS'Y, RH
B060.00.01	KAPI MONTAJI, SAĞ	DOOR MOUNTING, RH
B070.00.01	KAPORTA MONTAJI, SOL	COWLING ASS'Y, LH
B080.00.01	KAPI MONTAJI, SOL	DOOR MOUNTING, LH
B090.00.01	KAPORTA MONTAJI, AKV	COWLING ASS'Y, MCV
B100.00.01	MOTOR KAPUT MONTAJI	ENGINE HOOD MOUNTING
B120.00.01	ALT ŞAŞİ MONTAJI (TİP A)	LOWER FRAME MOUNTING (TYPE A)
B130.00.01	TAŞIYICI MAKARA KOMPLESİ	UPPER ROLLER ASS'Y
B140.00.01	YÜRÜYÜŞ MAKARASI KOMPLESİ	LOWER ROLLER ASS'Y
B150.00.01	İSTİKAMET TEKERİ KOMPLESİ	IDLER ASS'Y
B160.00.01	GERDİRME MEKANİZMASI KOMPLESİ	ADJUSTER ASS'Y
B170.00.01	PALET KOMPLESİ (600mm, ÜÇ TIRNAKLI)	TRACK CHAIN ASS'Y (600mm, TRIPLE GROUSER)
B170.01.01	PALET KOMPLESİ (600mm, İKİ TIRNAKLI)	TRACK CHAIN ASS'Y (600mm, DOUBLE GROUSER)
C	KABİN	OPERATOR CAB
C010.00.01	KABİN VE BAĞLANTI TAKOZLARI	CAB AND CAB MOUNTING
C020.00.01	KAPILAR	DOORS
C030.00.01	CAMLAR	WINDOWS
C040.00.01	KABİN DONANIMI	CAB ACCESSORIES
C050.00.01	KONSOL MONTAJI, ÖN	CONSOLE ASS'Y, FRONT
C060.00.01	KONSOL MONTAJI, ARKA	CONSOLE ASS'Y, REAR
C070.00.01	KONSOL MONTAJI, SAĞ	CONSOLE ASS'Y, RH
C080.00.01	KONSOL MONTAJI, SOL	CONSOLE ASS'Y, LH
C090.00.01	OPERATÖR KOLTUK MONTAJI	OPERATOR SEAT MOUNTING
C100.00.01	OPERATÖR KOLTUK KOMPLESİ	OPERATOR SEAT ASS'Y
C110.00.01	PLATFORM MONTAJI	PLATFORM ASS'Y
C120.00.01	KABİN ÜST KORUMA MONTAJI, FOPS II (OP)	ROOF GUARD MOUNTING, FOPS II (OP)
C130.00.01	KABİN KORUMA MONTAJI, FOGS (OP)	GUARD MOUNTING, FOGS (OP)
C130.01.01	ÖN CAM KORUYUCU MONTAJI ,TAŞ VE MICİR İÇİN (OP)	FRONT GUARD MOUNTING, FOR STONES & DEBRIS (OP)

İÇİNDEKİLER / CONTENTS

C130.02.01 ÖN CAM KORUYUCU MONTAJI, İKİ PARÇALI (OP) FRONT GUARD MOUNTING, TWO PIECES (OP)

D ATAŞMAN ATTACHMENT

D010.00.01	BOM MONTAJI	BOOM MOUNTING
D020.00.01	BOM KOMPLESİ (6.55m)	BOOM ASS'Y (6.55m)
D030.00.01	ARM MONTAJI	ARM MOUNTING
D040.00.01	ARM KOMPLESİ (2.9m)	ARM ASS'Y (2.9m)
D040.01.01	ARM KOMPLESİ (2.65m)	ARM ASS'Y (2.65m)
D050.00.01	KEPÇE BAĞLANTISI	BUCKET LINKAGE
D060.00.01	KEPÇE, DUAL RADÜS (2.7m³)	BUCKET, DUAL RADIUS (2.7m³)
D060.00.01	KEPÇE, DUAL RADÜS (2.7m³)	BUCKET, DUAL RADIUS (2.7m³)
D060.00.01	KEPÇE, DUAL RADÜS (2.7m³)	BUCKET, DUAL RADIUS (2.7m³)
D060.01.01	KEPÇE, DUAL RADÜS (3m³)	BUCKET, DUAL RADIUS (3m³)
D060.01.01	KEPÇE, DUAL RADÜS (3m³)	BUCKET, DUAL RADIUS (3m³)
D070.00.01	ÇABUK SÖK-TAK KOMPLESİ (OP)	QUICK COUPLER ASS'Y (OP)
D080.00.01	KIRICI MONTAJI (B360, OP)	BREAKER MOUNTING (B360, OP)
D080.00.02	KIRICI KOMPLESİ (B360, OP)	BREAKER ASS'Y (B360, OP)
D090.00.01	RİPER (OP)	RIPPER (OP)

F HİDROLİK SİSTEM HYDRAULIC SYSTEM

F010.00.01	HİDROLİK POMPA MONTAJI	HYDRAULIC PUMP MOUNTING
F020.00.01	HİDROLİK TANK MONTAJI	HYDRAULIC TANK ASS'Y
F025.00.01	HİDROLİK FAN TAHRİK VE SOĞUTMA SİSTEMİ	HYDRAULIC FAN DRIVE AND COOLING SYSTEM
F030.00.01	ÜST ŞAŞİ HİDROLİK TESİSATI, ANA	UPPER FRAME HYD. PIPING, BASE
F030.00.02	ÜST ŞAŞİ HİDROLİK TESİSATI, ATAŞMAN	UPPER FRAME HYD. PIPING, ATTACHMENT
F030.00.03	ÜST ŞAŞİ HİDROLİK TESİSATI, YÜRÜYÜŞ VE DÖNÜŞ	UPPER FRAME HYD. PIPING, TRAVEL&SWING
F030.00.03	ÜST ŞAŞİ HİDROLİK TESİSATI, YÜRÜYÜŞ VE DÖNÜŞ	UPPER FRAME HYD. PIPING, TRAVEL&SWING
F040.00.01	ÜST ŞAŞİ DÖNÜŞ VE SIZINTI HATTI HİDROLİK TESİSATI	UPPER FRAME DRAIN AND RETURN HYD. PIPING
F050.00.01	ALT ŞAŞİ HİDROLİK TESİSATI (TİP A)	LOWER FRAME HYD. PIPING (TYPE A)
F070.00.01	ATAŞMAN TESİSATI	ATTACHMENT PIPING
F080.00.01	TEK ETKİLİ HİDROLİK TESİSATI 1 (2.9m, OP)	SINGLE ACTING HYD. PIPING 1 (2.9m, OP)
F080.00.02	TEK ETKİLİ HİDROLİK TESİSATI 1 (2.9m, OP)	SINGLE ACTING HYD. PIPING 1 (2.9m, OP)
F080.01.01	TEK ETKİLİ HİDROLİK TESİSATI 1 (2.65m, OP)	SINGLE ACTING HYD. PIPING 1 (2.65m, OP)
F080.01.02	TEK ETKİLİ HİDROLİK TESİSATI 1 (2.65m, OP)	SINGLE ACTING HYD. PIPING 1 (2.65m, OP)
F120.00.01	ATAŞMAN GRESLEME SİSTEMİ (2.9m)	ATTACHMENT GREASE LUB SYSTEM (2.9m)
F120.01.01	ATAŞMAN GRESLEME SİSTEMİ (2.65m)	ATTACHMENT GREASE LUB SYSTEM (2.65m)

G HİDROLİK KOMPONENTLER HYDRAULIC COMPONENTS

G010.00.01	HİDROLİK POMPA	HYDRAULIC PUMP
G010.00.02	DİŞLİ POMPA, PİLOT	GEAR PUMP
G010.00.03	ORANSAL BASINÇ VALFİ	PROPORTIONAL REDUCING VALVE
G010.00.04	POMPA REGÜLATÖRÜ, ÖN	PUMP REGULATOR, FRONT
G010.00.05	POMPA REGÜLATÖRÜ, ARKA	PUMP REGULATOR, REAR
G015.00.01	FAN POMPASI	FAN PUMP
G016.00.01	FAN MOTORU	FAN MOTOR
G020.00.01	ANA KUMANDA VALFİ (1)	MAIN CONTROL VALVE (1)
G020.00.02	ANA KUMANDA VALFİ (2)	MAIN CONTROL VALVE (2)
G020.00.03	ANA KUMANDA VALFİ (3)	MAIN CONTROL VALVE (3)

İÇİNDEKİLER / CONTENTS

G020.00.04	ANA KUMANDA VALFİ (4)	MAIN CONTROL VALVE (4)
G020.00.05	ANA KUMANDA VALFİ (5)	MAIN CONTROL VALVE (5)
G020.00.06	ANA KUMANDA VALFİ (6)	MAIN CONTROL VALVE (6)
G020.00.07	ANA KUMANDA VALFİ (7)	MAIN CONTROL VALVE (7)
G020.00.08	ANA KUMANDA VALFİ (8)	MAIN CONTROL VALVE (8)
G025.00.01	KULE DÖNÜŞ ÜNİTESİ	SWING UNIT
G025.00.01	KULE DÖNÜŞ ÜNİTESİ	SWING UNIT
G030.00.01	KULE DÖNÜŞ ÜNİTESİ, MOTOR	SWING UNIT, MOTOR
G030.00.01	KULE DÖNÜŞ ÜNİTESİ, MOTOR	SWING UNIT, MOTOR
G040.00.01	KULE DÖNÜŞ ÜNİTESİ, DİŞLİ KUTUSU	SWING UNIT, REDUCTION GEAR
G045.00.01	YÜRÜYÜŞ ÜNİTESİ	TRAVEL UNIT
G050.00.01	YÜRÜYÜŞ ÜNİTESİ, MOTOR	TRAVEL UNIT, MOTOR
G060.00.01	YÜRÜYÜŞ ÜNİTESİ, DİŞLİ KUTUSU	TRAVEL UNIT, REDUCTION GEAR
G070.00.01	DÖNER DAĞITICI	TURNING JOINT
G080.00.01	JOYSTİK, SAĞ	JOYSTICK, RH
G080.00.02	JOYSTİK, SOL	JOYSTICK, LH
G100.00.01	YÜRÜYÜŞ PEDAL VALFİ	TRAVEL PEDAL VALVE
G140.00.01	ÇİFT ETKİLİ AYAK PEDALI VE VALFİ (OP)	DOUBLE ACTING PEDAL AND VALVE (OP)
G150.00.01	1'Lİ SOLENOİD VALF	SOLENOID VALVE, 1 SECTION
G180.00.01	BOM SİLİNDİRİ, SAĞ	BOOM CYLINDER, RH
G180.00.02	BOM SİLİNDİRİ, SOL	BOOM CYLINDER, LH
G190.00.01	ARM SİLİNDİRİ	ARM CYLINDER
G200.00.01	KEPÇE SİLİNDİRİ	BUCKET CYLINDER
G210.00.01	ÇABUK SÖK-TAK SİLİNDİRİ (OP)	QUICK COUPLER CYLINDER (OP)

K	ELEKTRİK SİSTEMİ	ELECTRICAL SYSTEM
K010.00.01	ELEKTRİK PARÇALARI (1)	ELECTRIC PARTS (1)
K010.00.02	ELEKTRİK PARÇALARI (2)	ELECTRIC PARTS (2)
K020.00.01	ANA ELEKTRİK TESİSATI	MAIN HARNESS
K030.00.01	MOTOR ELEKTRİK TESİSATI	ENGINE HARNESS
K040.00.01	KABİN ELEKTRİK TESİSATI	OPERATOR CAB HARNESS
K050.00.01	KABİN İÇİ ELEKTRİK TESİSATI	OPERATOR CAB INTERIOR HARNESS
K060.00.01	TEPE LAMBASI MONTAJI (OP)	BEACON LAMP MOUNTING (OP)
K070.00.01	ÖN ÇALIŞMA LAMBASI MONTAJI (OP)	WORK LAMP MOUNTING, FRONT (OP)
K080.00.01	ARKA ÇALIŞMA LAMBASI MONTAJI (OP)	WORK LAMP MOUNTING, REAR (OP)
K090.00.01	ARKA AĞIRLIK ÇALIŞMA LAMBASI MONTAJI (OP)	WORK LAMP MOUNTING, COUNTERWEIGHT (OP)
K100.00.01	SMARTLINK (OP)	SMARTLINK (OP)
K110.00.01	IMMOBİLİZER (OP)	IMMOBILIZER (OP)

Y	DİĞERLERİ (ETİKET, AVADANLIK)	OTHERS (DECAL, TOOLS)
Y010.00.01	ETİKETLER (TÜRKÇE)	DECALS (TURKISH)
Y010.01.01	ETİKETLER (İNGİLİZCE)	DECALS (ENGLISH)

Z	MOTOR PARÇALARI	ENGINE PARTS
Z010.00.01	MOTOR	ENGINE
Z020.00.01	KÜLBÜTÖR KAPAĞI	ROCKER ARM COVER
Z020.00.02	SİLİNDİR KAPAĞI 1	CYLINDER HEAD 1
Z020.00.03	SİLİNDİR KAPAĞI 2	CYLINDER HEAD 2
Z020.00.04	SİLİNDİR BLOĞU	CYLINDER BLOCK
Z020.00.05	KAM MİLİ VE SUPAPLAR	CAM SHAFT & VALVE

İÇİNDEKİLER / CONTENTS

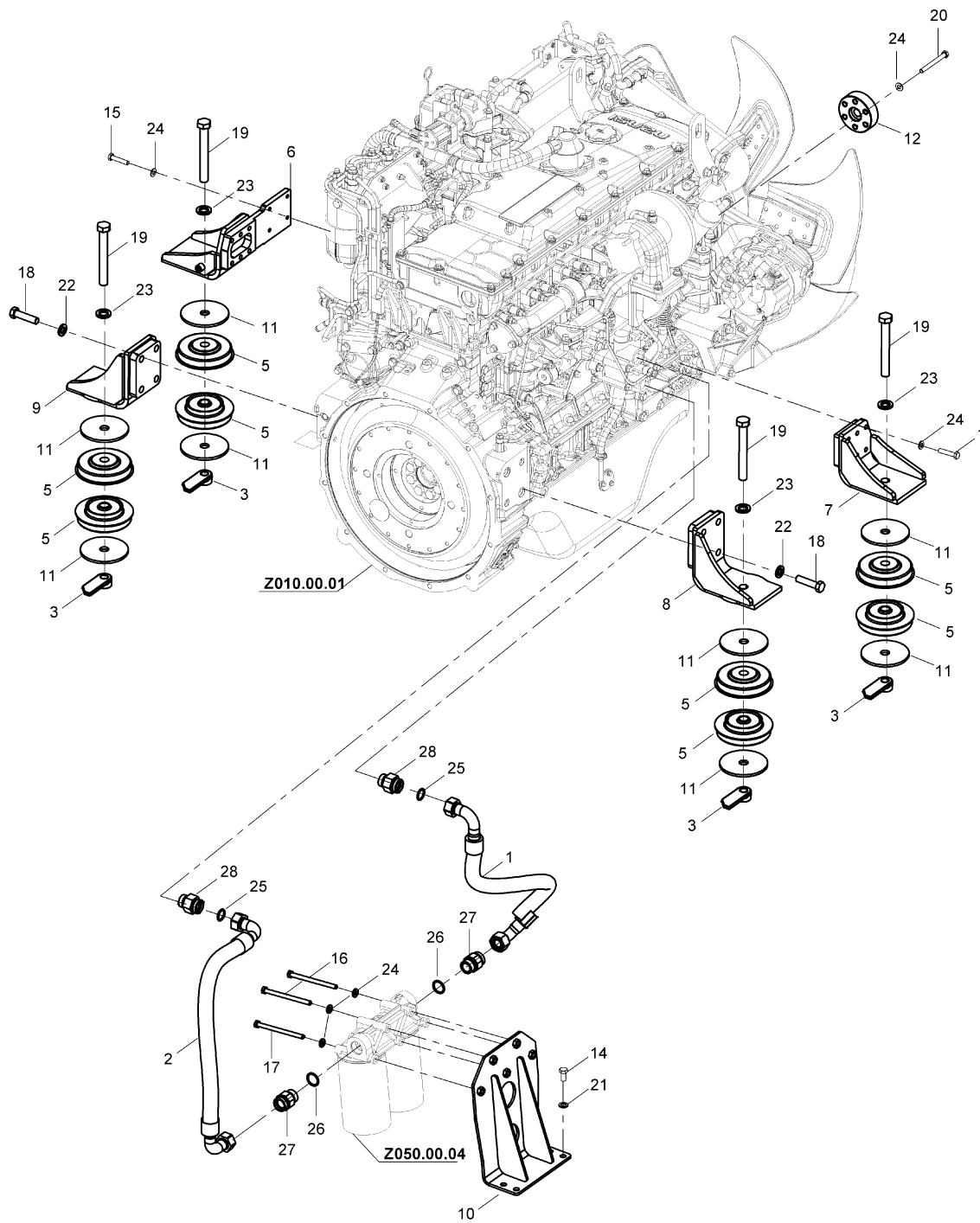
Z020.00.06	ZAMANLAMA DİŞLİSİ	TIMING GEAR CASE
Z020.00.07	DİŞLİ KUTUSU KAPAĞI	GEAR CASE COVER
Z020.00.08	VOLAN MUHAFAZASI	FLYWHEEL HOUSING
Z020.00.09	KRANK MİLİ, PİSTON VE VOLAN	CRANKSHAFT, PISTON & FLYWHEEL
Z020.00.10	GÜÇ ÇIKIŞ KAPAĞI	POWER TAKE OFF COVER
Z020.00.11	MOTOR TAMİR TAKIMI	ENGINE OVERHAUL GASKET KIT
Z020.00.12	SİLİNDİR KAPAĞI TAMİR TAKIMI	CYLINDER HEAD GASKET KIT
Z030.00.01	YAĞ SEVİYE ÇUBUĞU & YAĞ KARTERİ	OIL PAN & OIL LEVEL GAUGE
Z030.00.02	YAĞ FİLTRESİ VE SOĞUTUCUSU	OIL FILTER & COOLER
Z030.00.03	YAĞ POMPASI VE YAĞ SÜZGEÇİ	OIL PUMP & STRAINER
Z030.00.04	YAĞ VE VAKUM TESİSATI 1	OIL & VACUUM PIPING 1
Z030.00.05	YAĞ VE VAKUM TESİSATI 2	OIL & VACUUM PIPING 2
Z030.00.06	YAĞ VE VAKUM TESİSATI 3	OIL & VACUUM PIPING 3
Z030.00.07	HAVALANDIRMA SİSTEMİ	VENTILATION SYSTEM
Z040.00.01	SU POMPASI	WATER PUMP
Z040.00.02	TERMOSTAT	THERMOSTAT
Z040.00.03	SOĞUTMA SUYU TESİSATI	WATER PIPING
Z040.00.04	FAN VE FAN KAYIŞI	FAN & FAN BELT
Z050.00.01	YAKIT POMPASI VE YAKIT BESLEME POMPASI	FUEL FEED PUMP & ELECTROMAGNETIC PUMP
Z050.00.02	YAKIT ENJEKSİYON SİSTEMİ 1	FUEL INJECTION SYSTEM 1
Z050.00.03	YAKIT ENJEKSİYON SİSTEMİ 2	FUEL INJECTION SYSTEM 2
Z050.00.04	YAKIT ENJEKSİYON SİSTEMİ 3	FUEL INJECTION SYSTEM 3
Z050.00.05	YAKIT FİLTRESİ	FUEL FILTER
Z060.00.01	MARŞ MOTORU	STARTER
Z060.00.02	ALTERNATÖR	GENARATOR
Z060.00.03	MOTOR ELEKTRİK TESİSATI	ENGINE WIRING HARNESS
Z060.00.04	ELEKTRİK TESİSATI SABİTLEME ELEMANLARI	HARNESS FIXING PARTS
Z060.00.05	ELEKTRİK KONTROL PARÇALARI 1	ELECTRIC CONTROL PARTS 1
Z060.00.06	ELEKTRİK KONTROL PARÇALARI 2	ELECTRIC CONTROL PARTS 2
Z060.00.07	ELEKTRİK KONTROL VE DİĞER PARÇALAR	ELECTRIC CONTROL & OTHER PARTS
Z070.00.01	EMME MANİFOLDU	INLET MANIFOLD
Z070.00.02	EGZÖZ MANİFOLDU	EXHAUST MANIFOLD
Z070.00.03	TURBOŞARJ SİSTEMİ	TURBOCHARGER SYSTEM
Z070.00.04	EGR	EGR

A - MOTOR SİSTEMİ

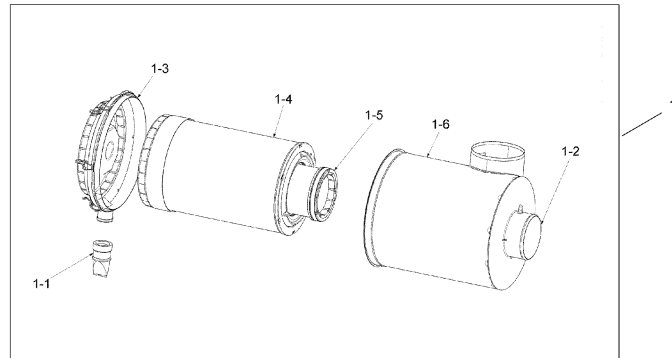
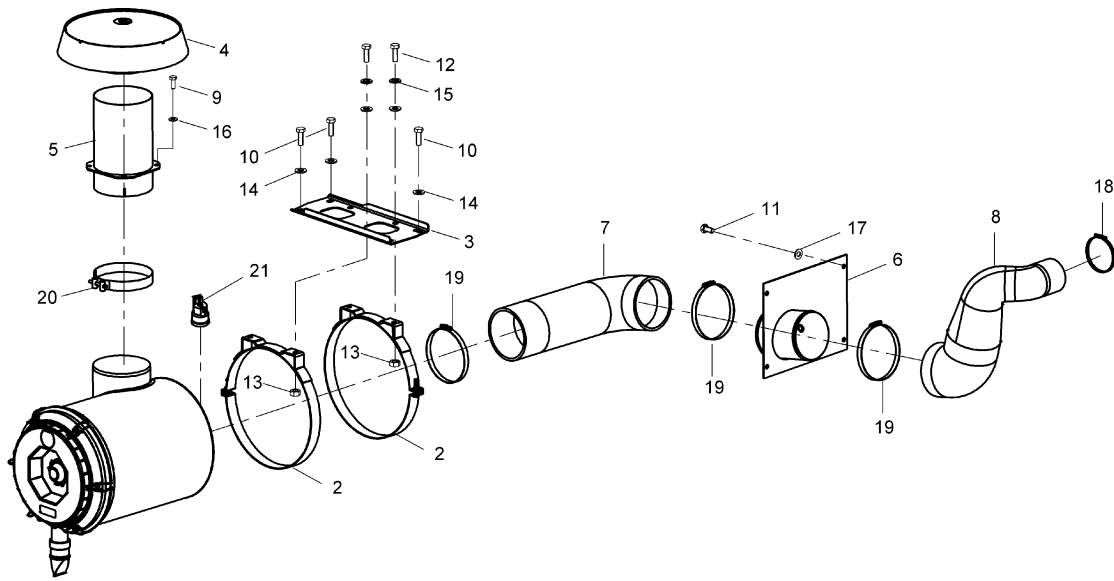
A - ENGINE SYSTEM

Sayfa No / Page No	Sayfa Adı	Page Name	Revizyon / Revision
A010.00.01	MOTOR MONTAJI	ENGINE MOUNTING	
A020.00.01	HAVA EMİŞ SİSTEMİ	AIR INTAKE SYSTEM	
A030.00.01	EGZÖZ MONTAJI	EXHAUST MOUNTING	
A040.00.01	SOĞUTMA SİSTEMİ	COOLING SYSTEM	
A040.00.01	SOĞUTMA SİSTEMİ	COOLING SYSTEM	R1
A050.00.01	RADYATÖR KOMPLESİ	RADIATOR ASS'Y	
A050.00.01	RADYATÖR KOMPLESİ	RADIATOR ASS'Y	R1
A060.00.01	YAKIT SİSTEMİ	FUEL SYSTEM	
A070.00.01	ÖN YAKIT FİLTRESİ MONTAJI (OP)	PRE-FUEL FILTER ASS'Y (OP)	
A080.00.01	YAKIT TRANSFER POMPASI MONTAJI	FUEL FEED PUMP ASS'Y	
A090.00.01	KLİMA VE KALORİFER MONTAJI	AIRCONDITION AND HEATER MOUNTING	
A100.00.01	KLİMA VE KALORİFER ÜNİTESİ	AIRCONDITION AND HEATER UNIT	

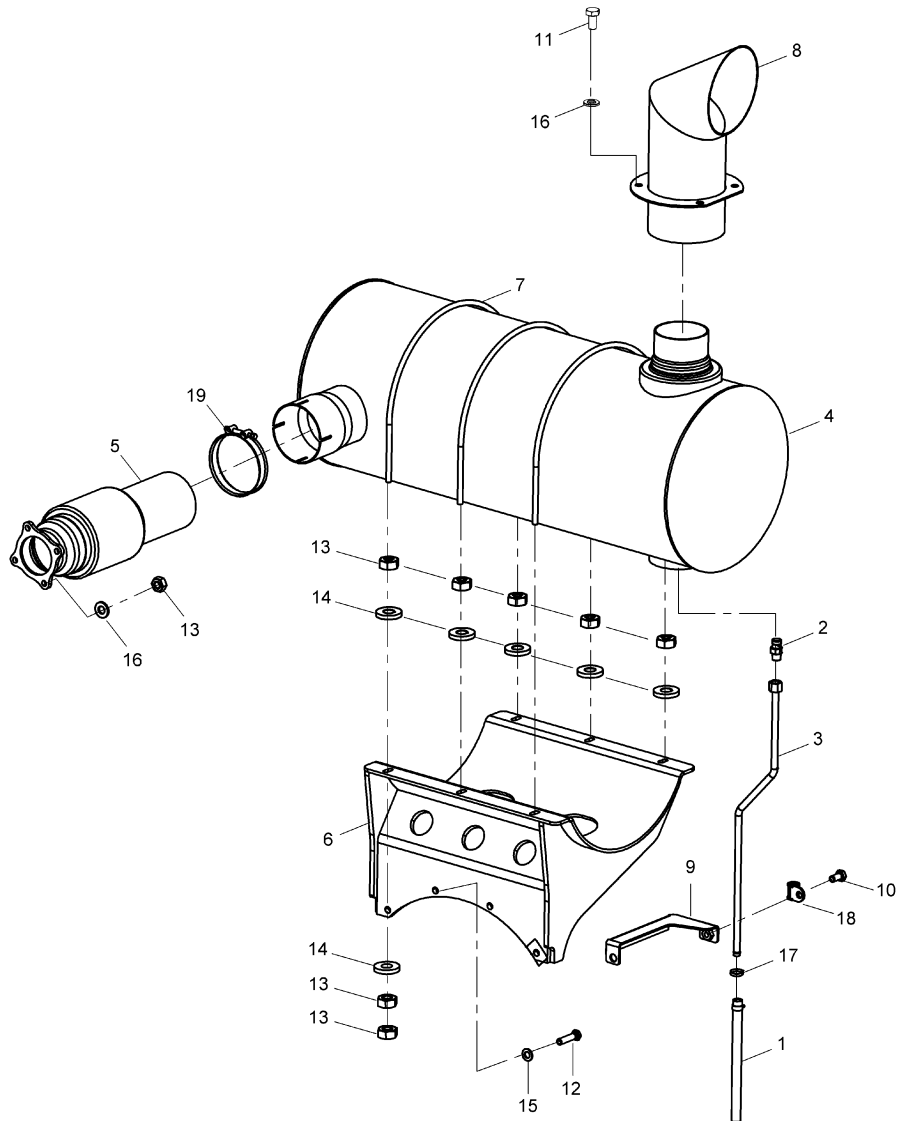
MOTOR MONTAJI ENGINE MOUNTING



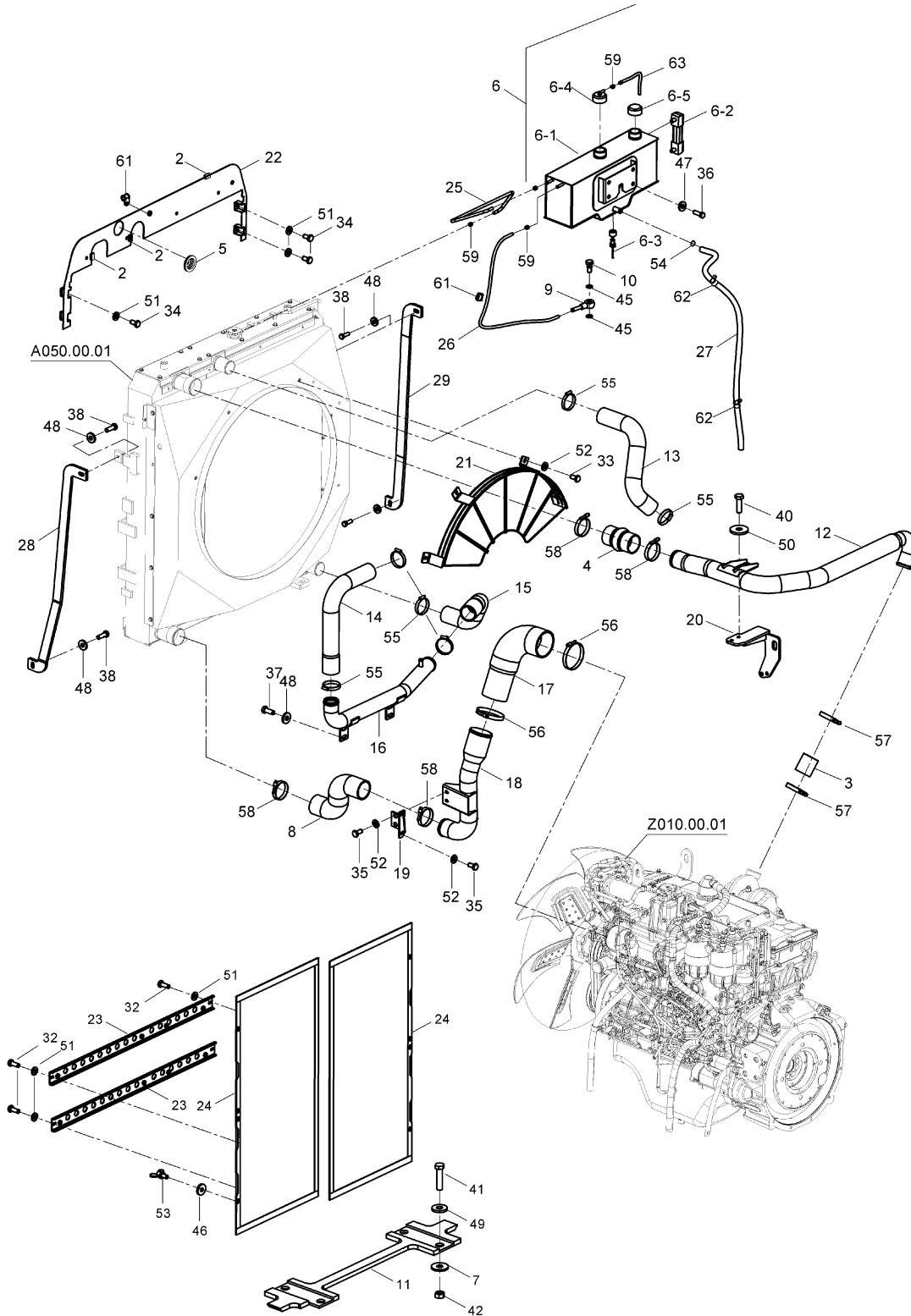
HAVA EMİŞ SİSTEMİ AIR INTAKE SYSTEM



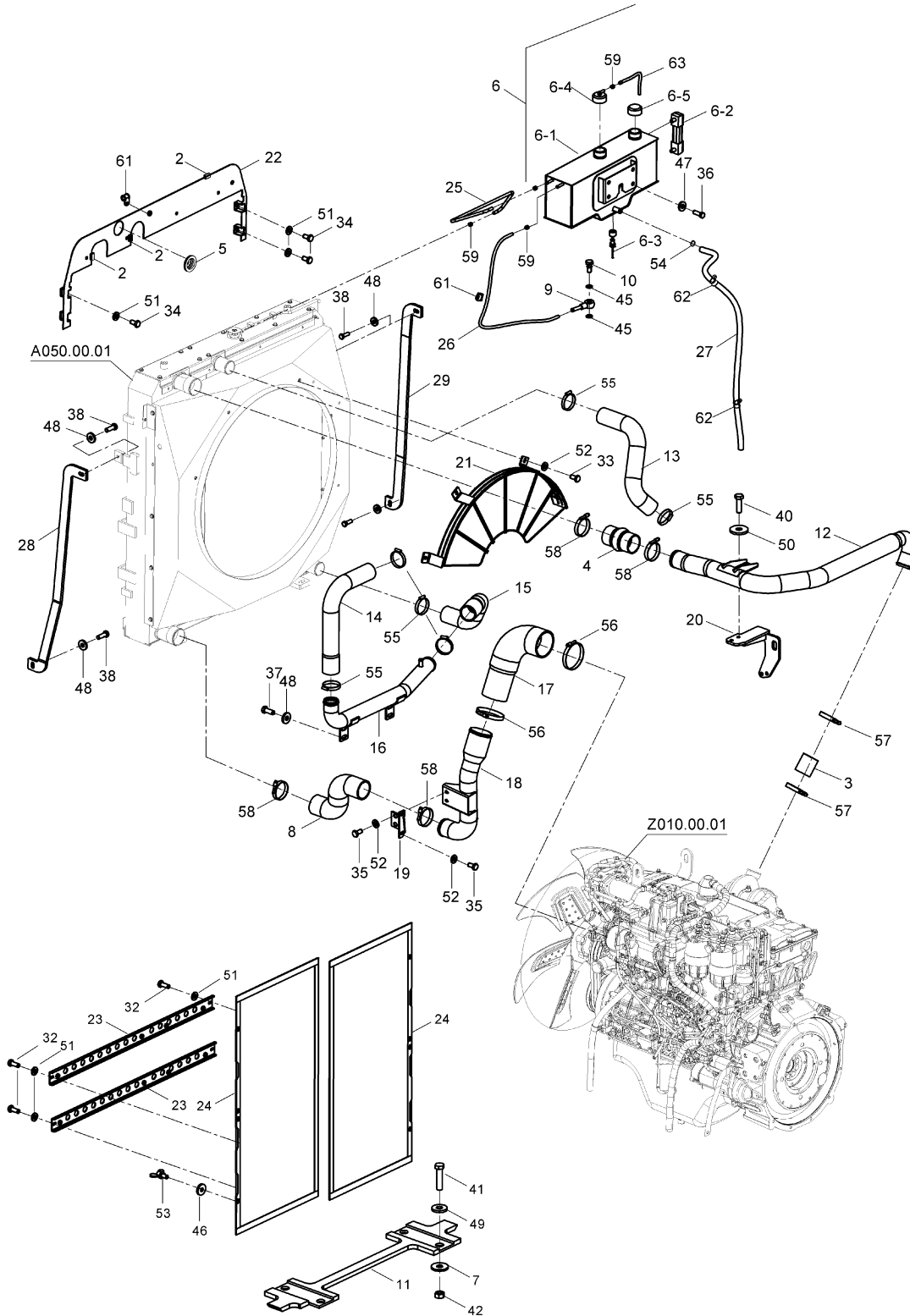
EGZOZ MONTAJI EXHAUST MOUNTING



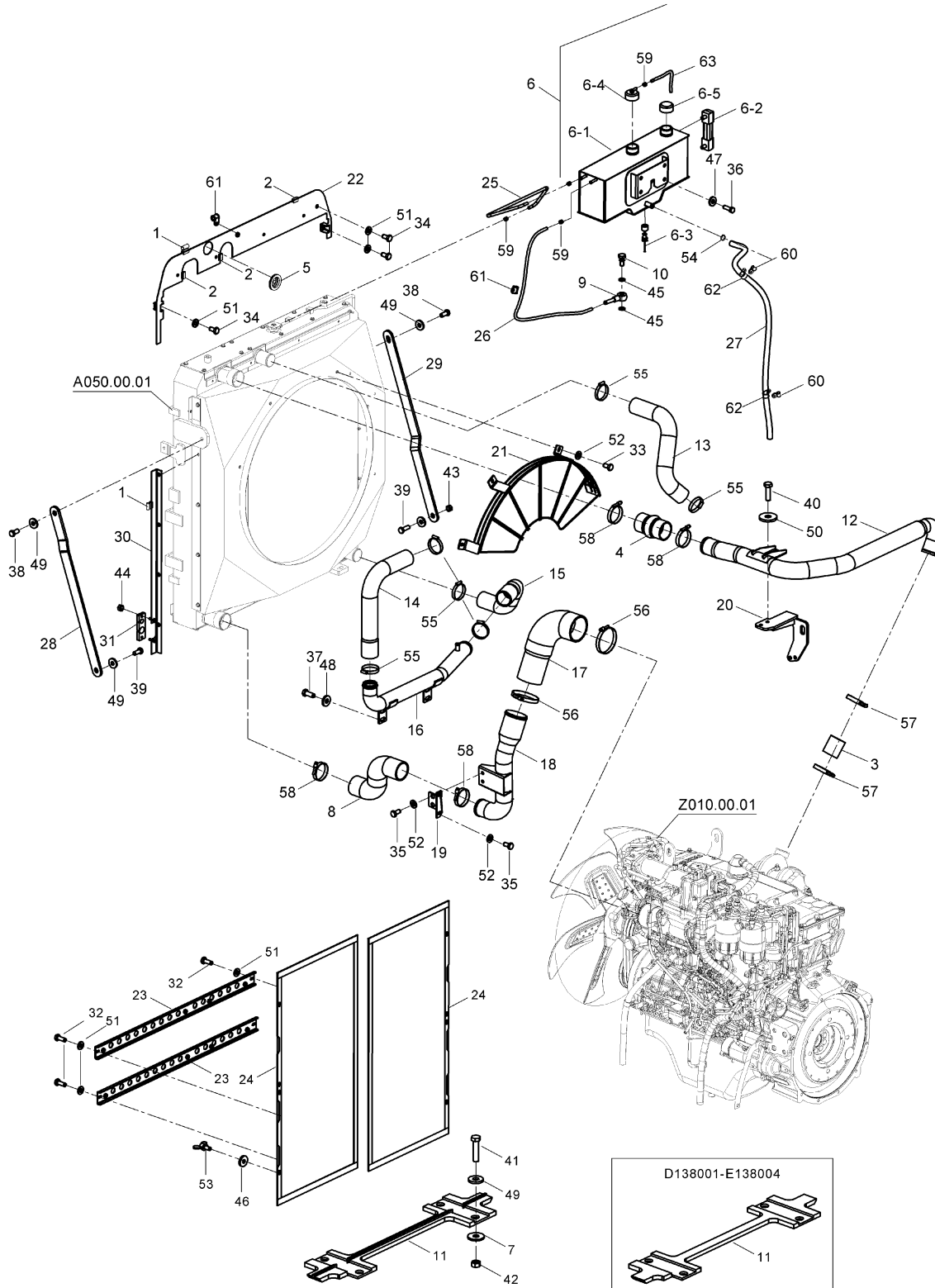
SOĞUTMA SİSTEMİ COOLING SYSTEM



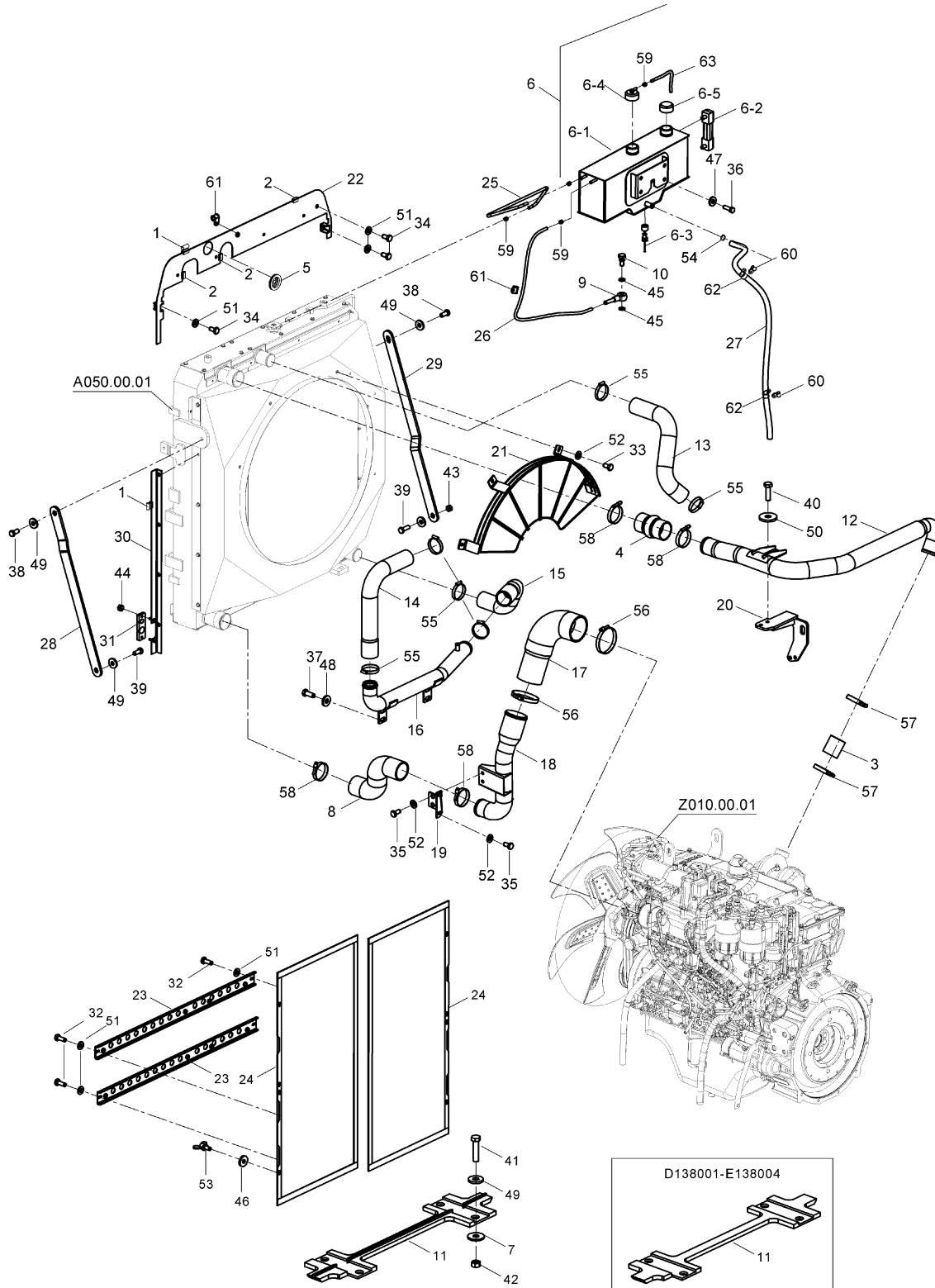
SOĞUTMA SİSTEMİ COOLING SYSTEM



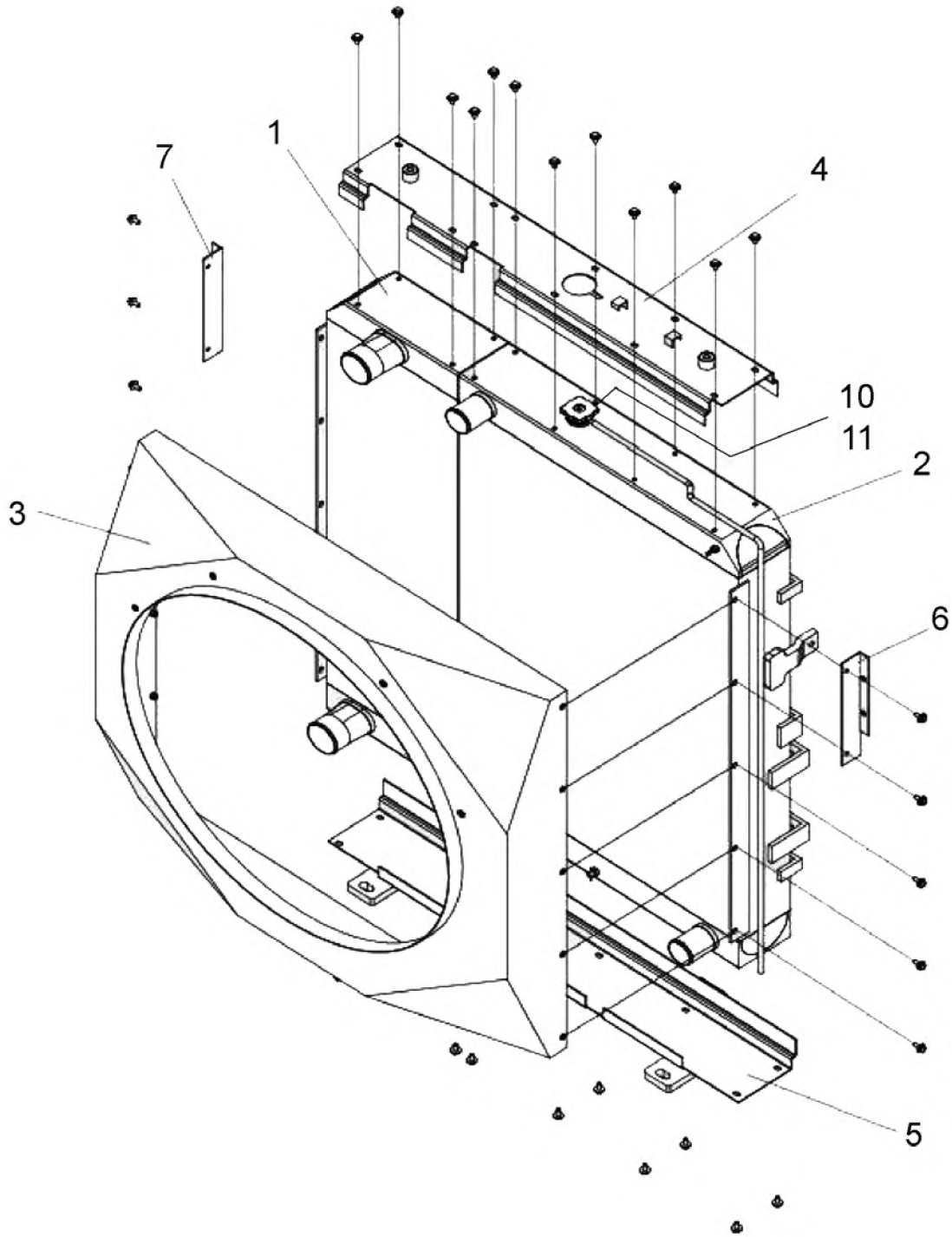
SOĞUTMA SİSTEMİ COOLING SYSTEM

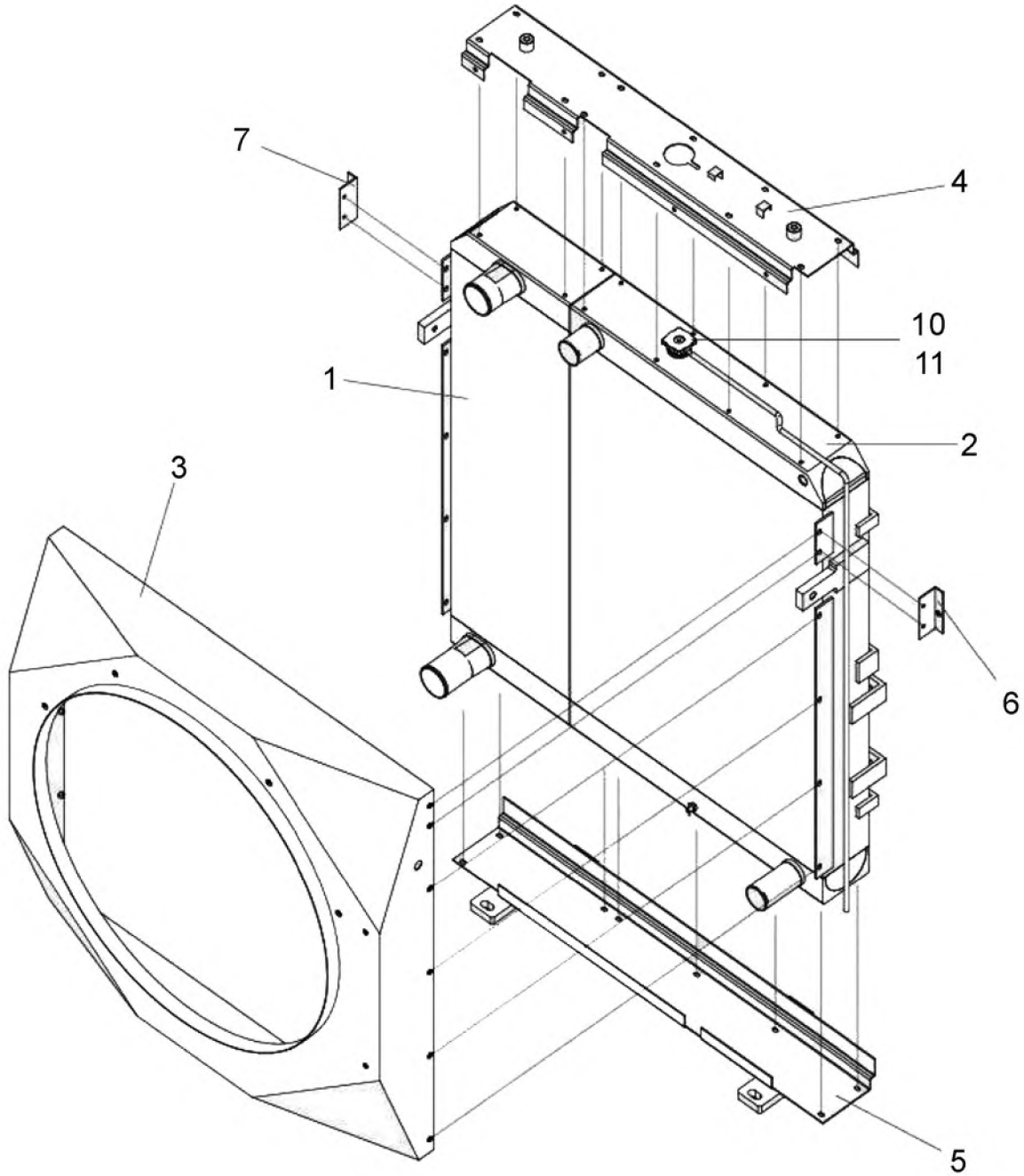


SOĞUTMA SİSTEMİ COOLING SYSTEM

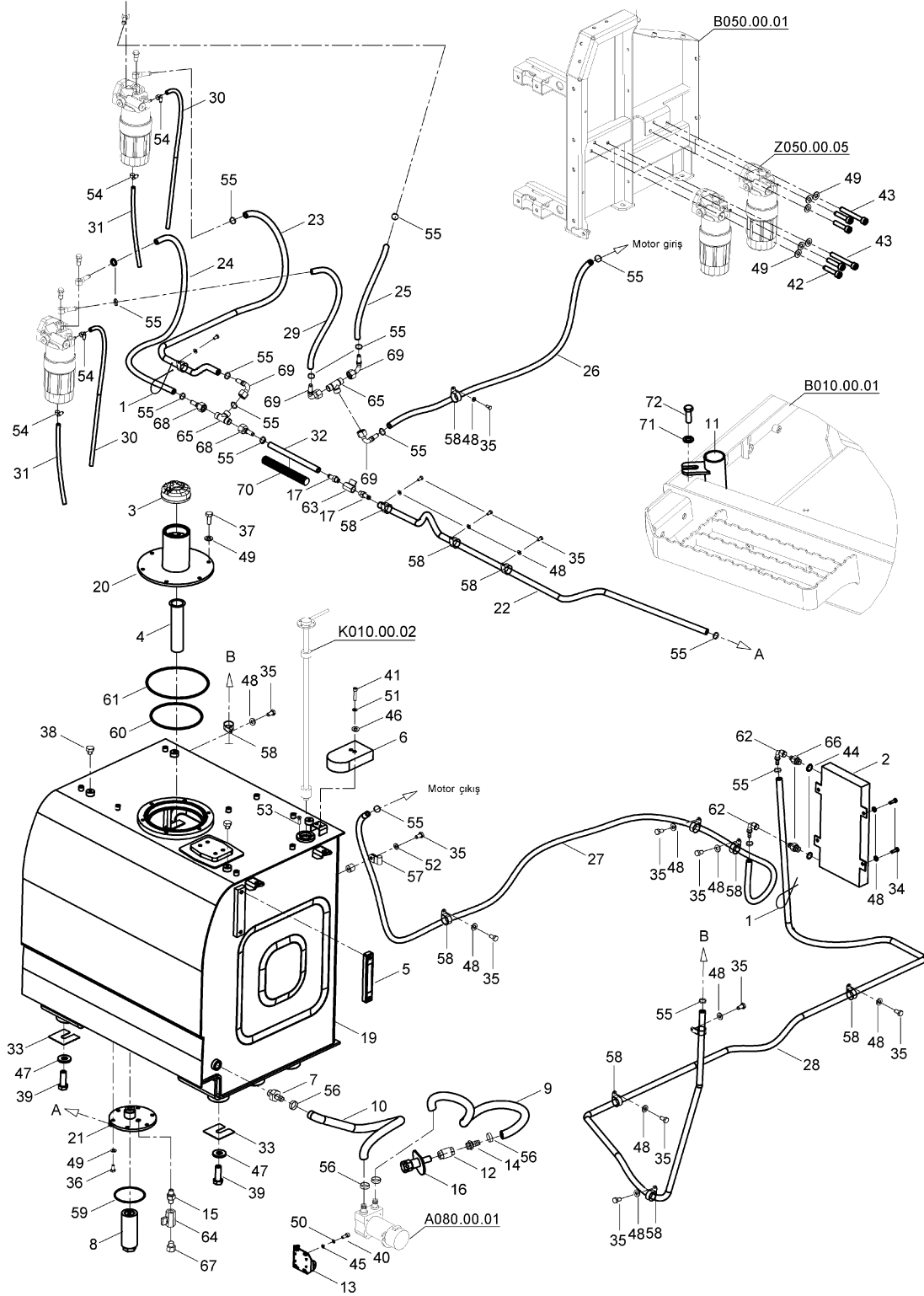


RADYATÖR KOMPLESİ
RADIATOR ASS'Y

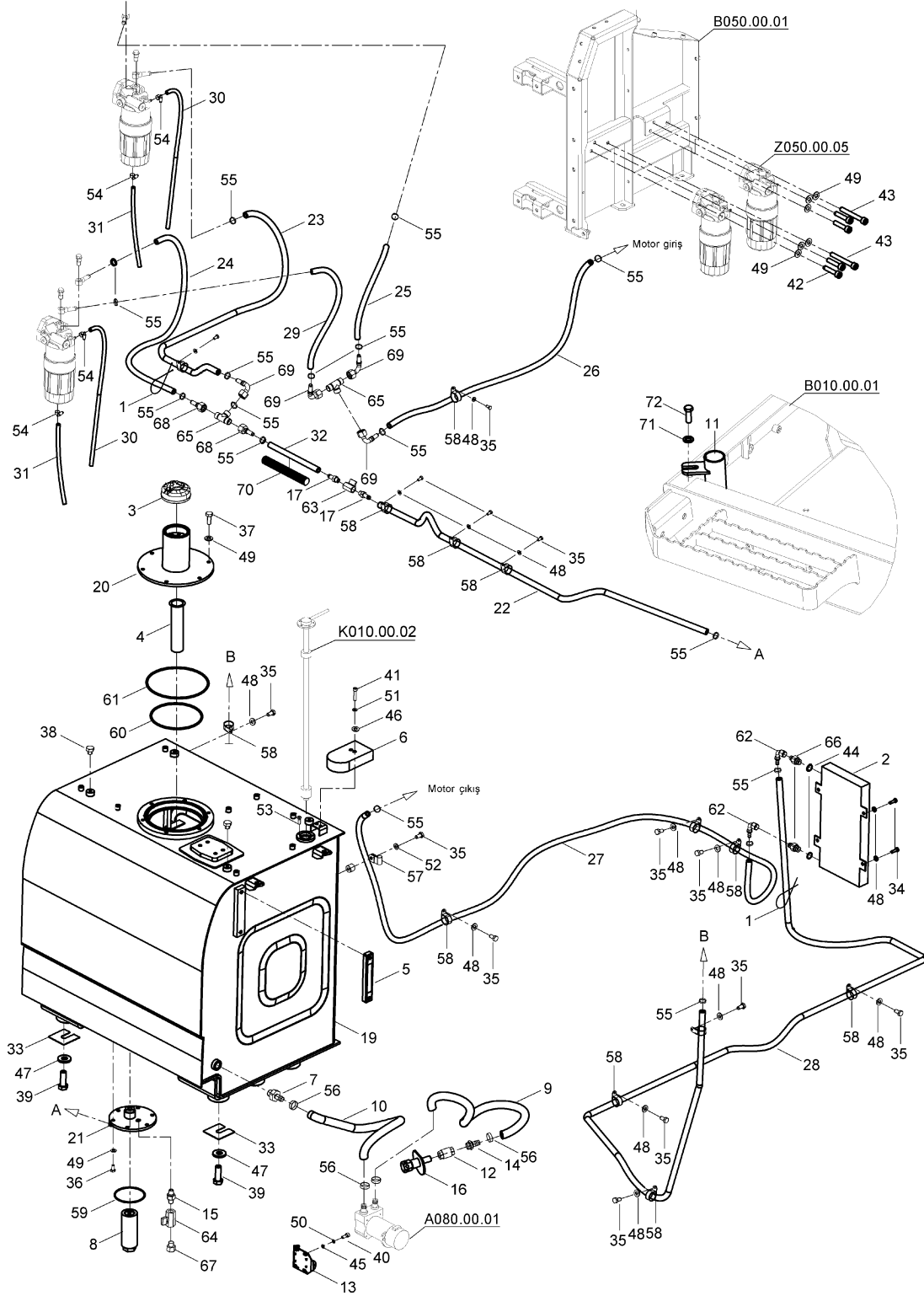


**RADYATÖR KOMPLESİ
RADIATOR ASS'Y**

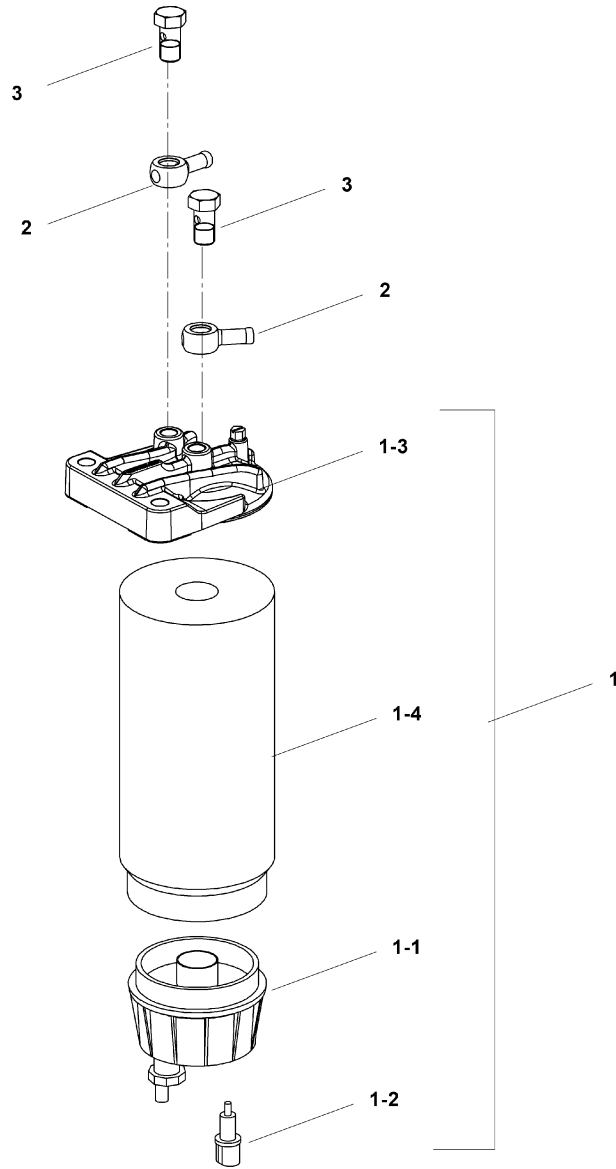
YAKIT SİSTEMİ FUEL SYSTEM



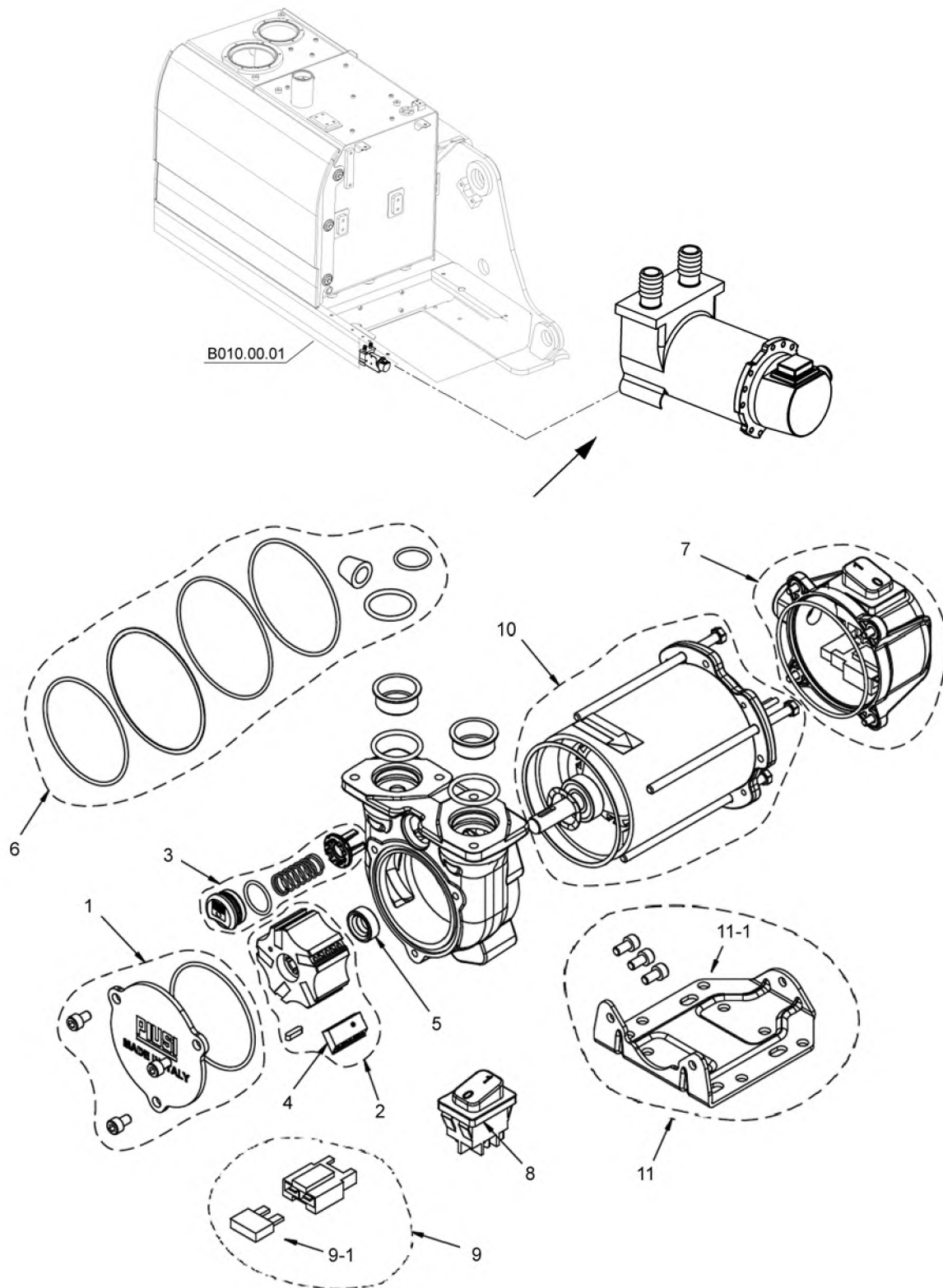
YAKIT SİSTEMİ FUEL SYSTEM



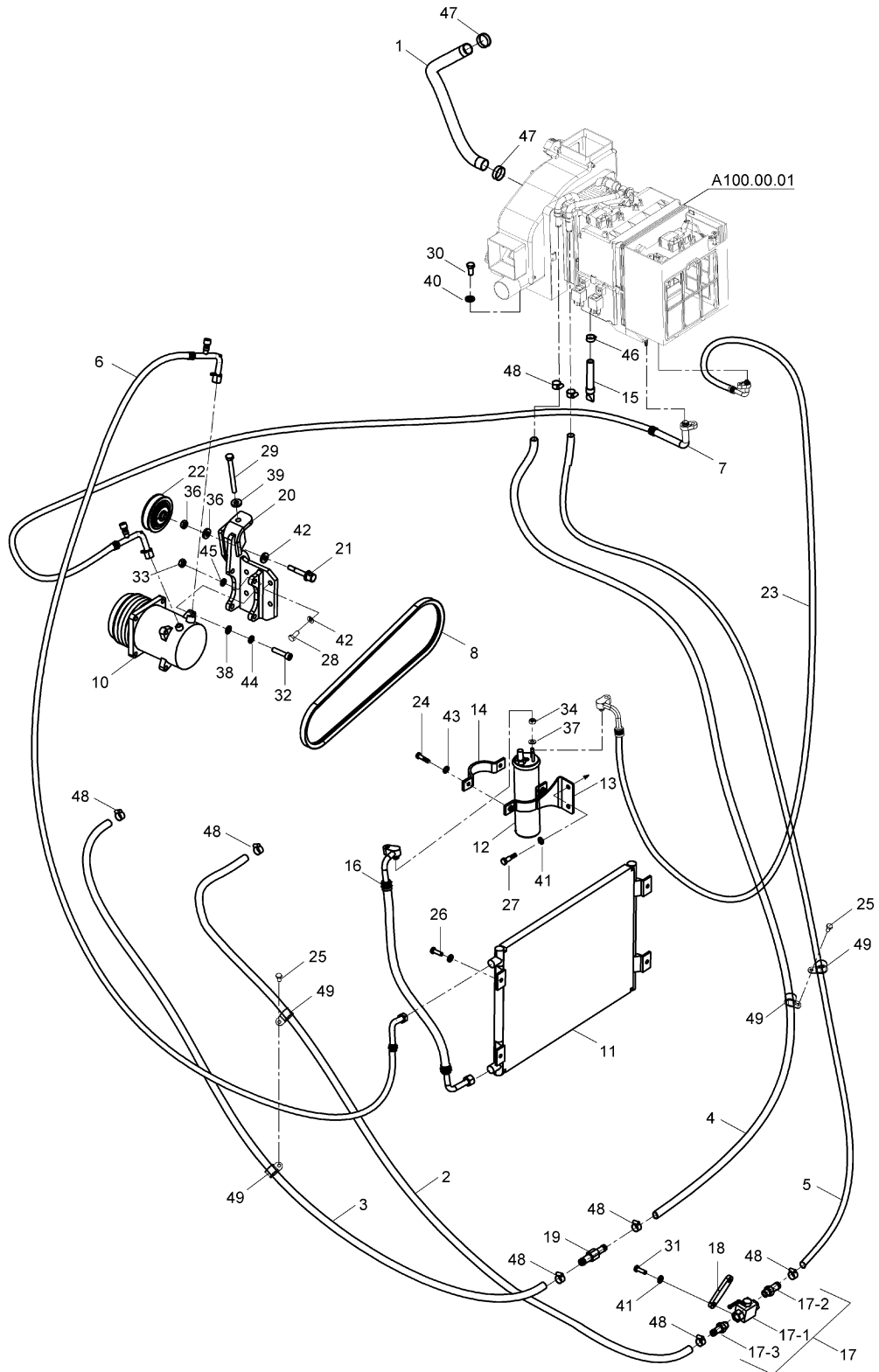
ÖN YAKIT FİLTRESİ MONTAJI (OP)
PRE-FUEL FILTER ASS'Y (OP)



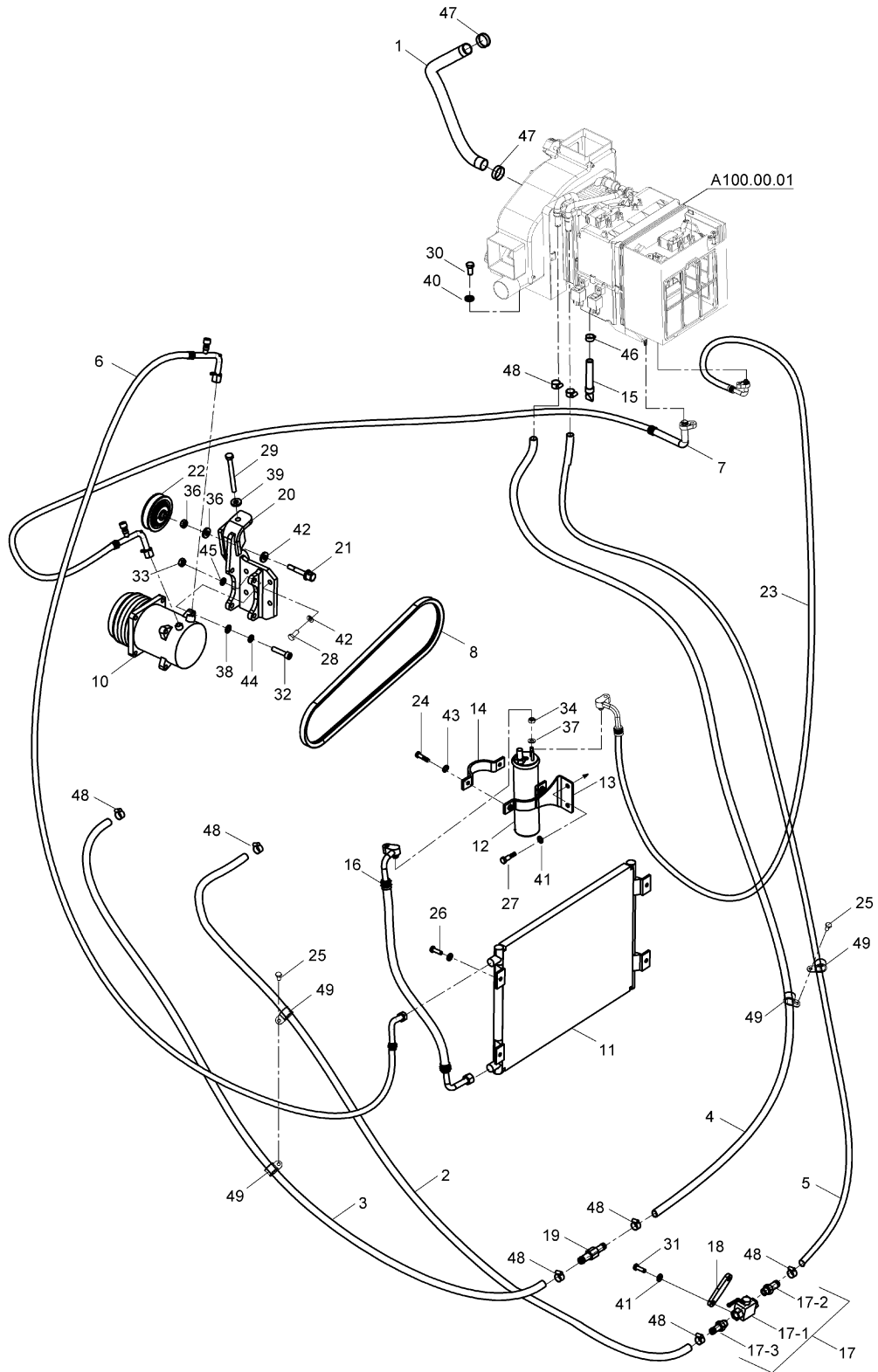
YAKIT TRANSFER POMPASI MONTAJI FUEL FEED PUMP ASS'Y



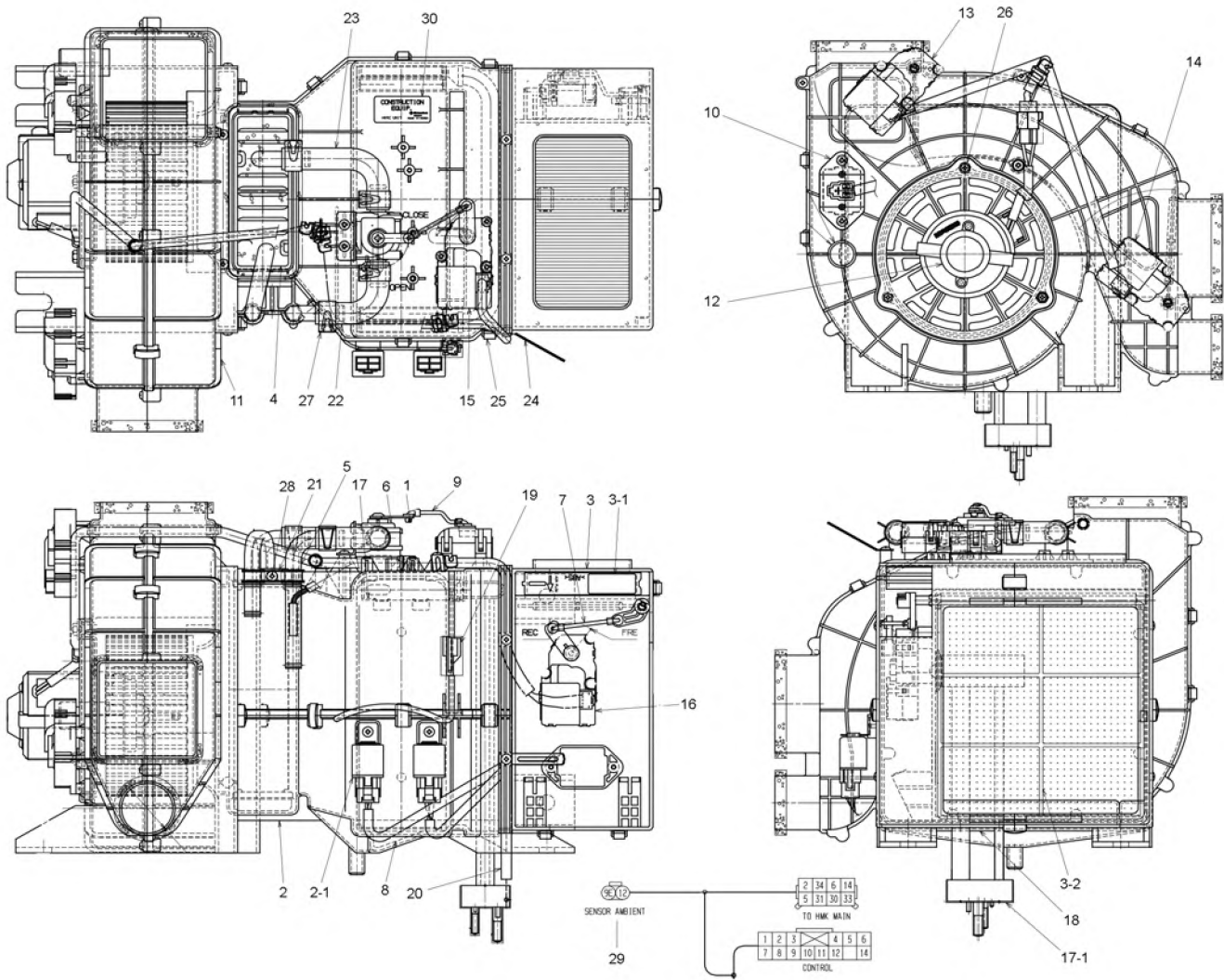
KLİMA VE KALORİFER MONTAJI AIRCONDITION AND HEATER MOUNTING



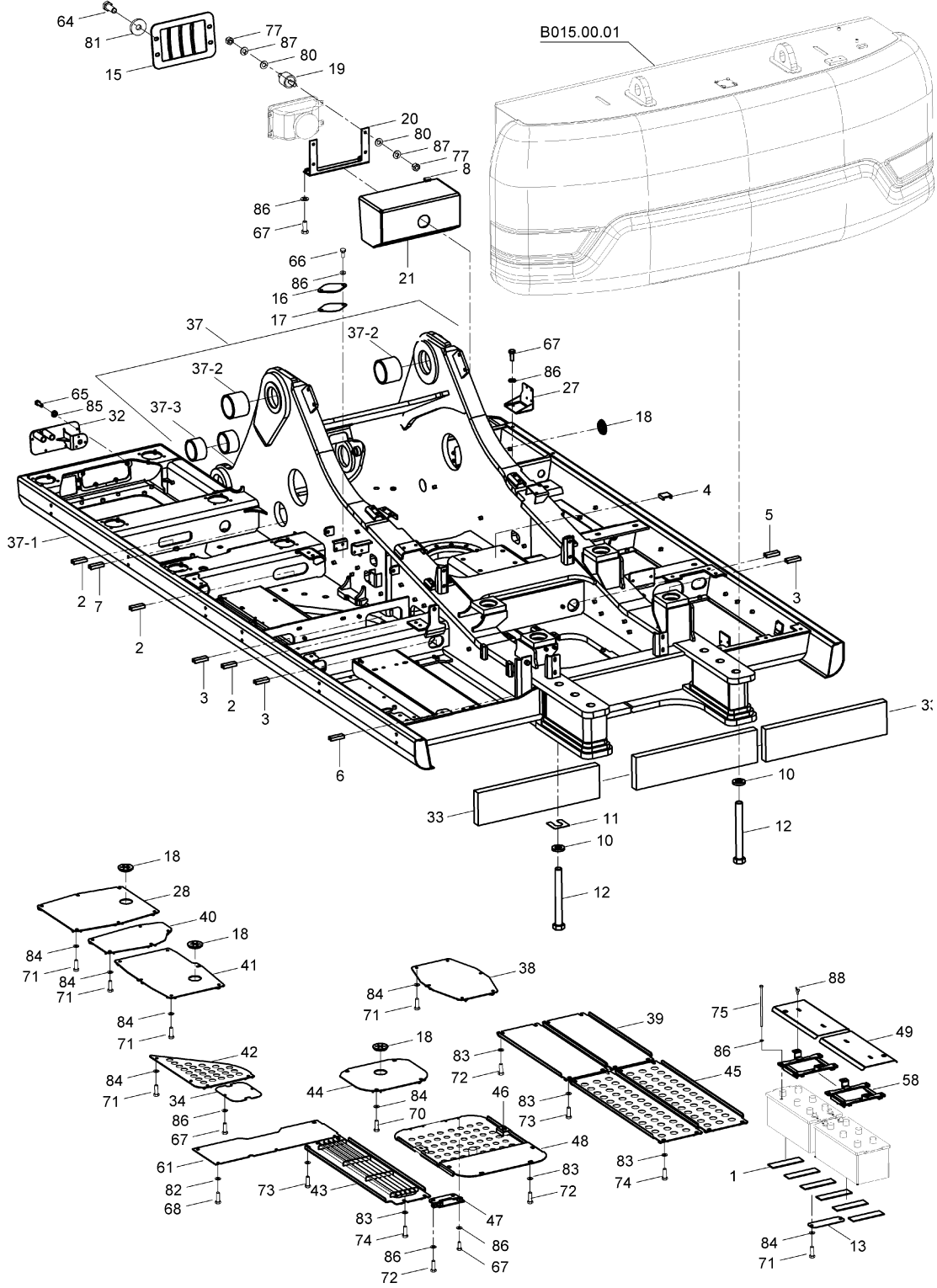
KLİMA VE KALORİFER MONTAJI AIRCONDITION AND HEATER MOUNTING



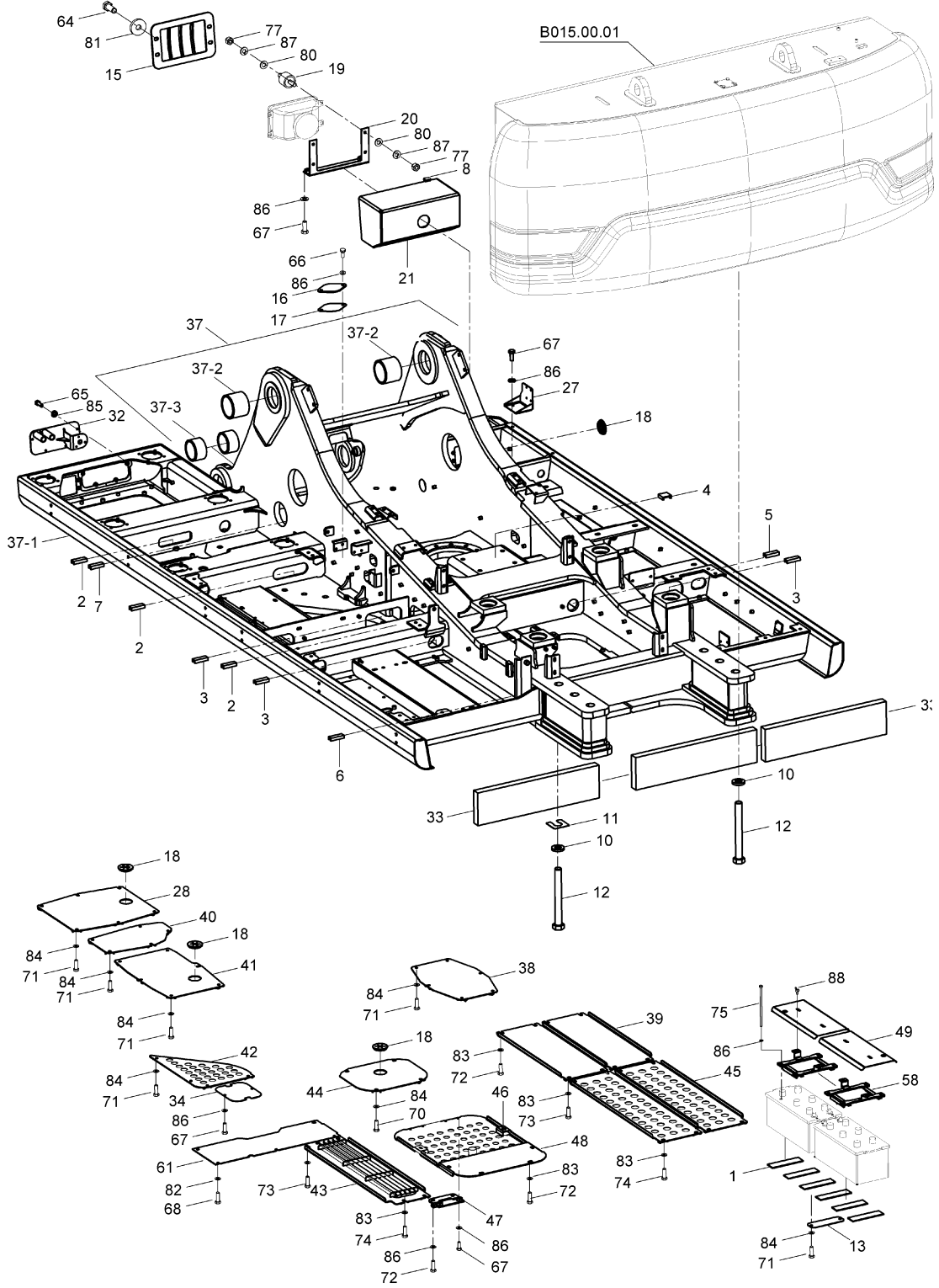
KLİMA VE KALORİFER ÜNİTESİ AIRCONDITION AND HEATER UNIT



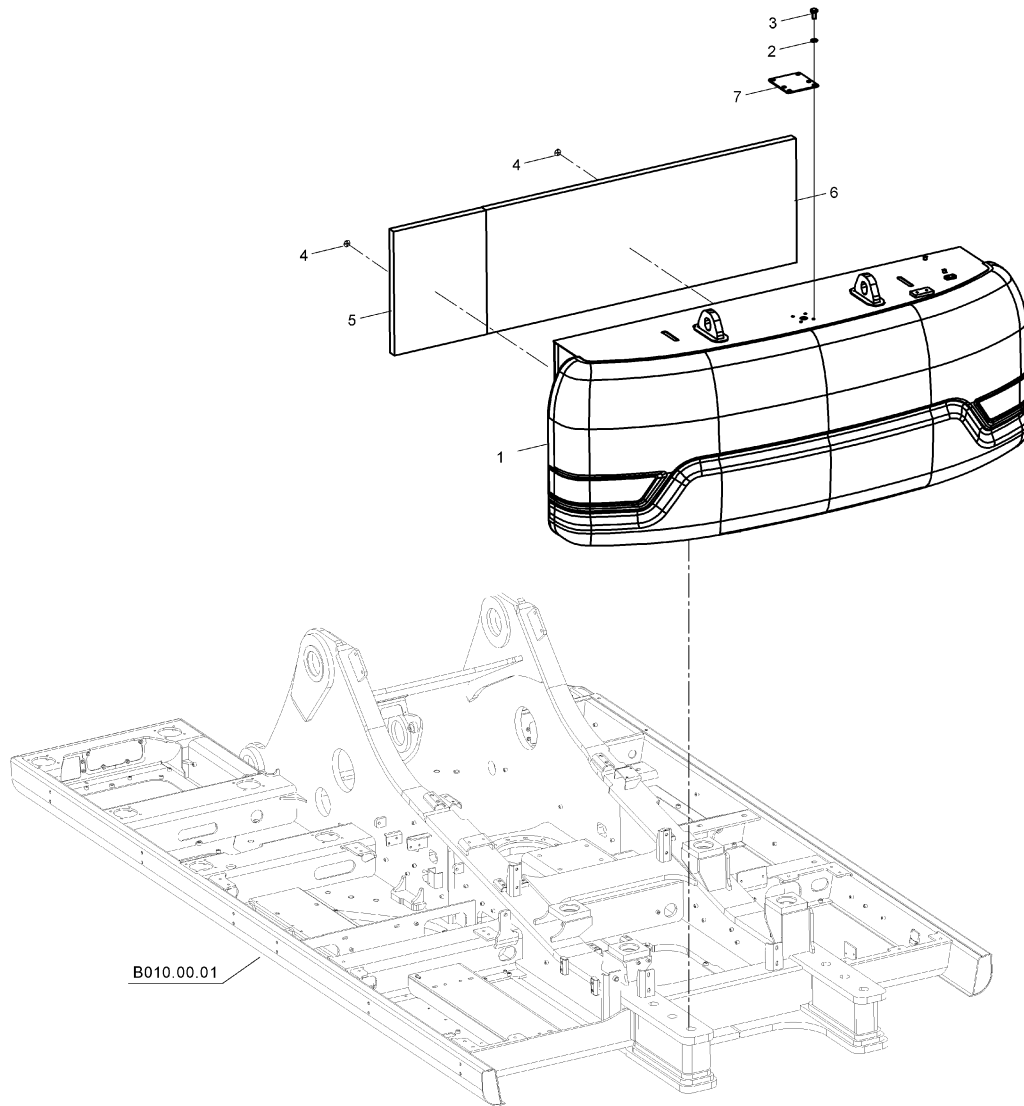
ÜST ŞAŞI VE ALT KAPAK MONTAJI UPPER FRAME AND UNDER COVER MOUNTING



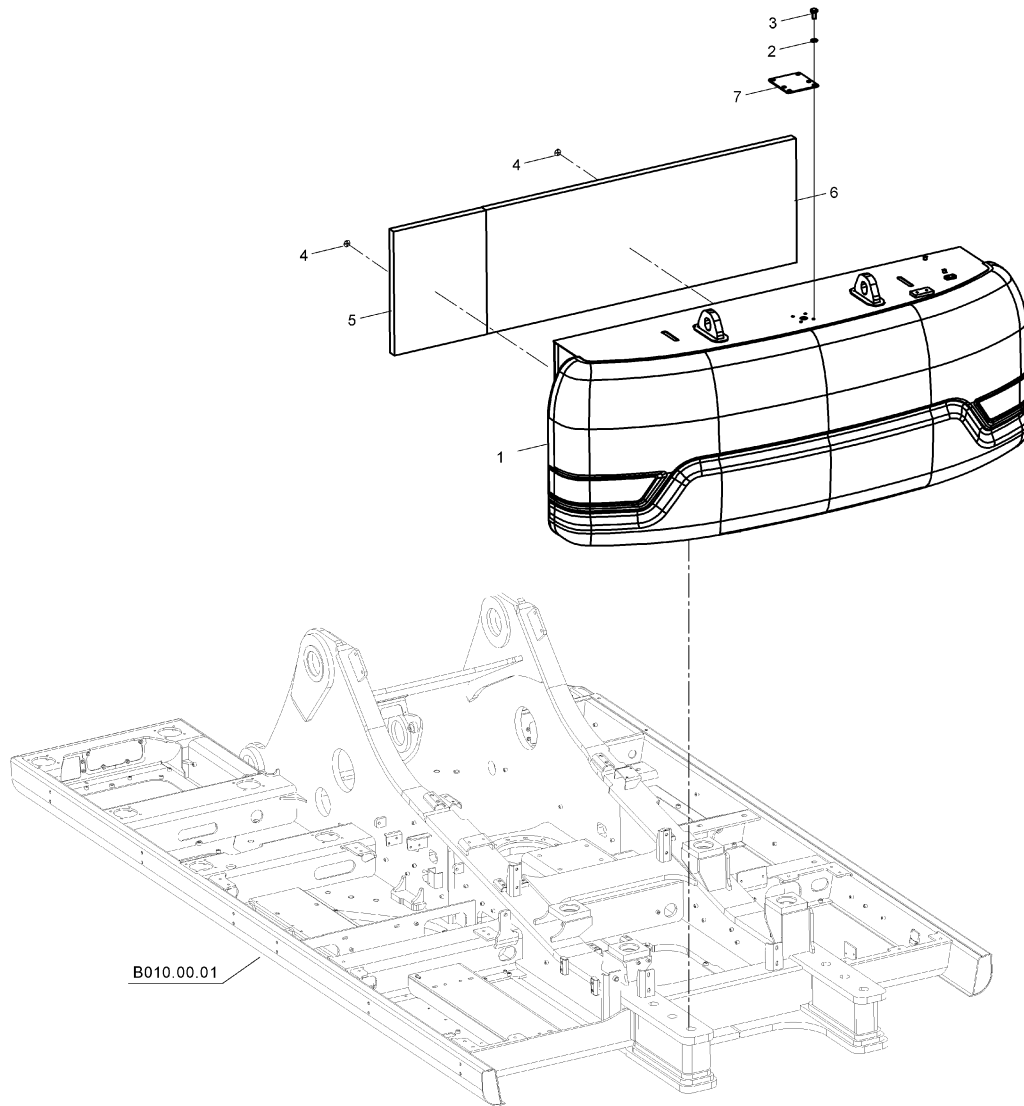
ÜST ŞAŞİ VE ALT KAPAK MONTAJI UPPER FRAME AND UNDER COVER MOUNTING



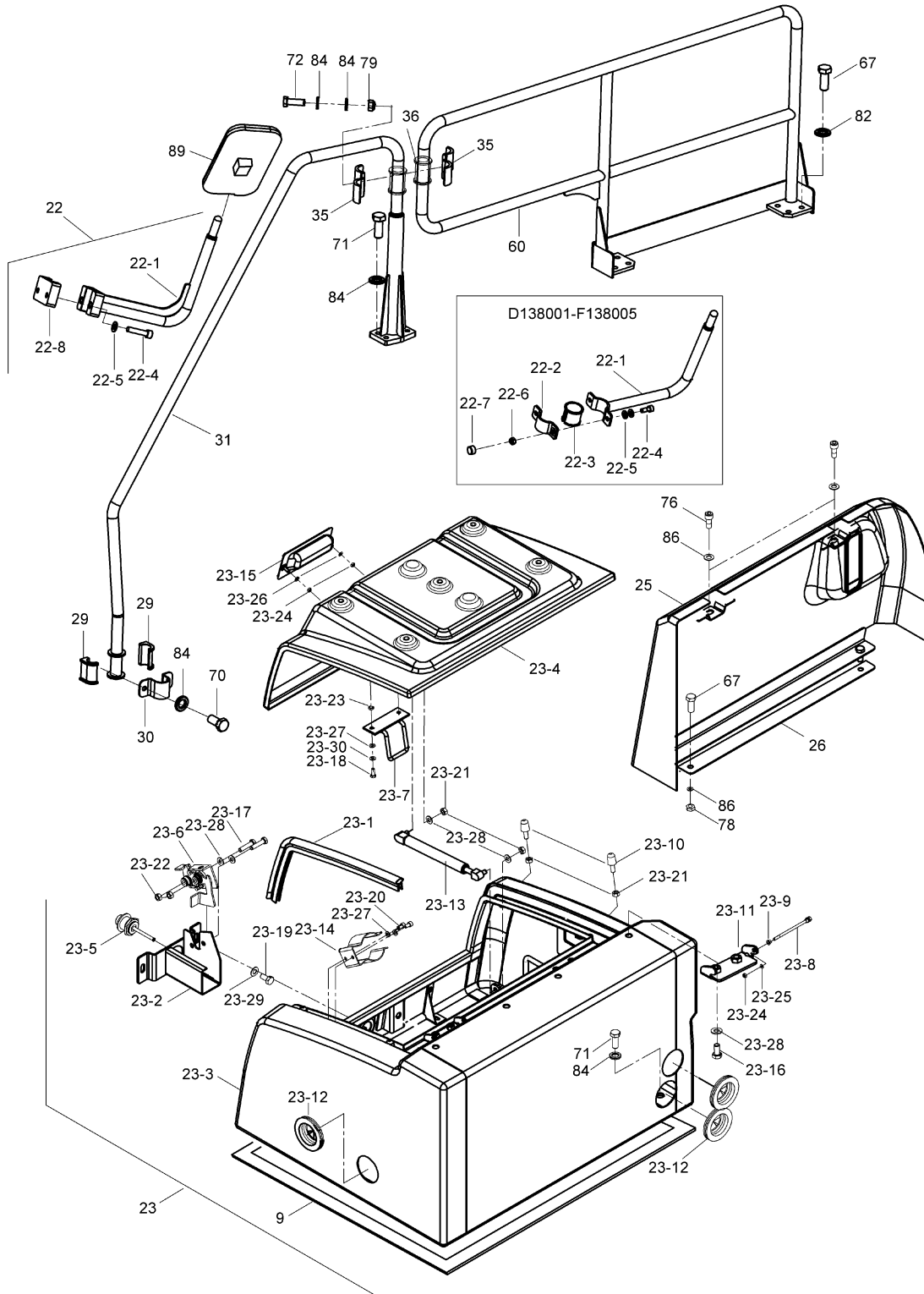
ARKA AĞIRLIK MONTAJI COUNTER WEIGHT MOUNTING



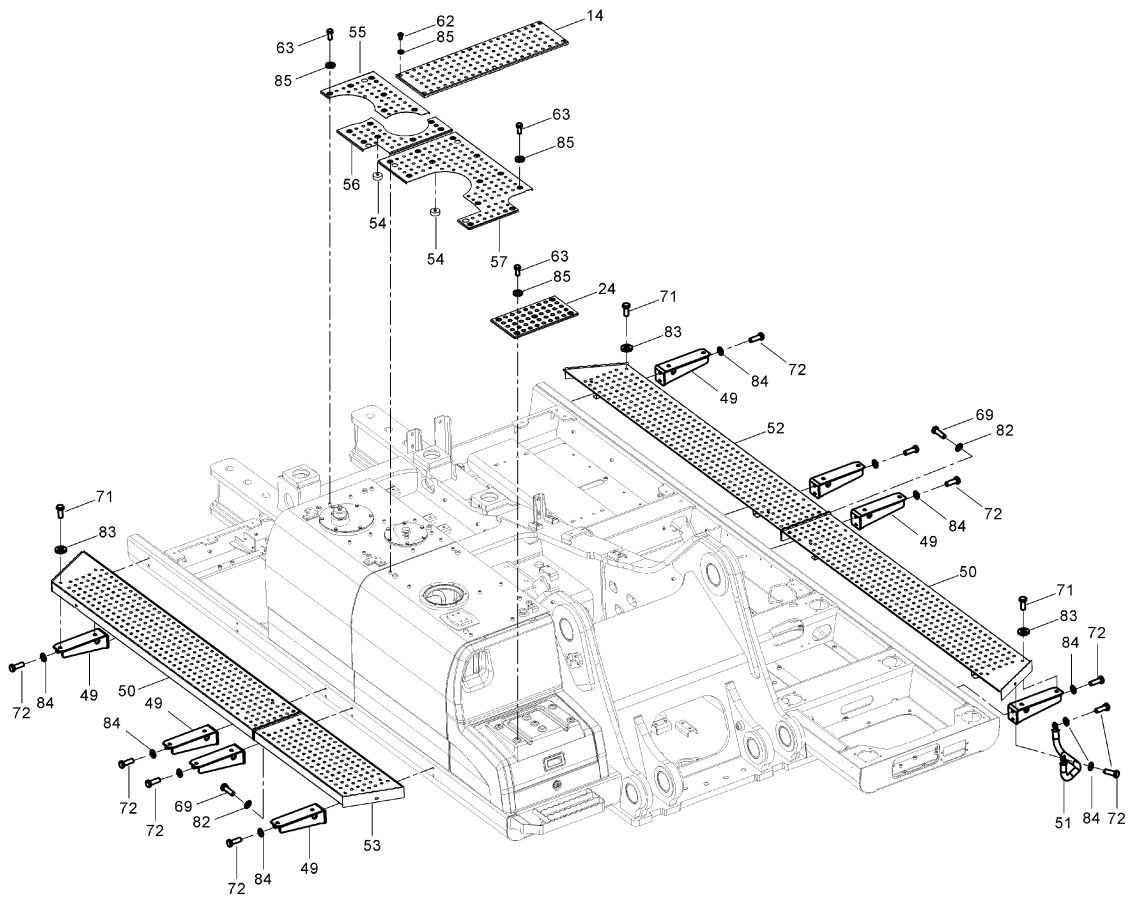
ARKA AĞIRLIK MONTAJI (OP)
COUNTER WEIGHT MOUNTING (OP)



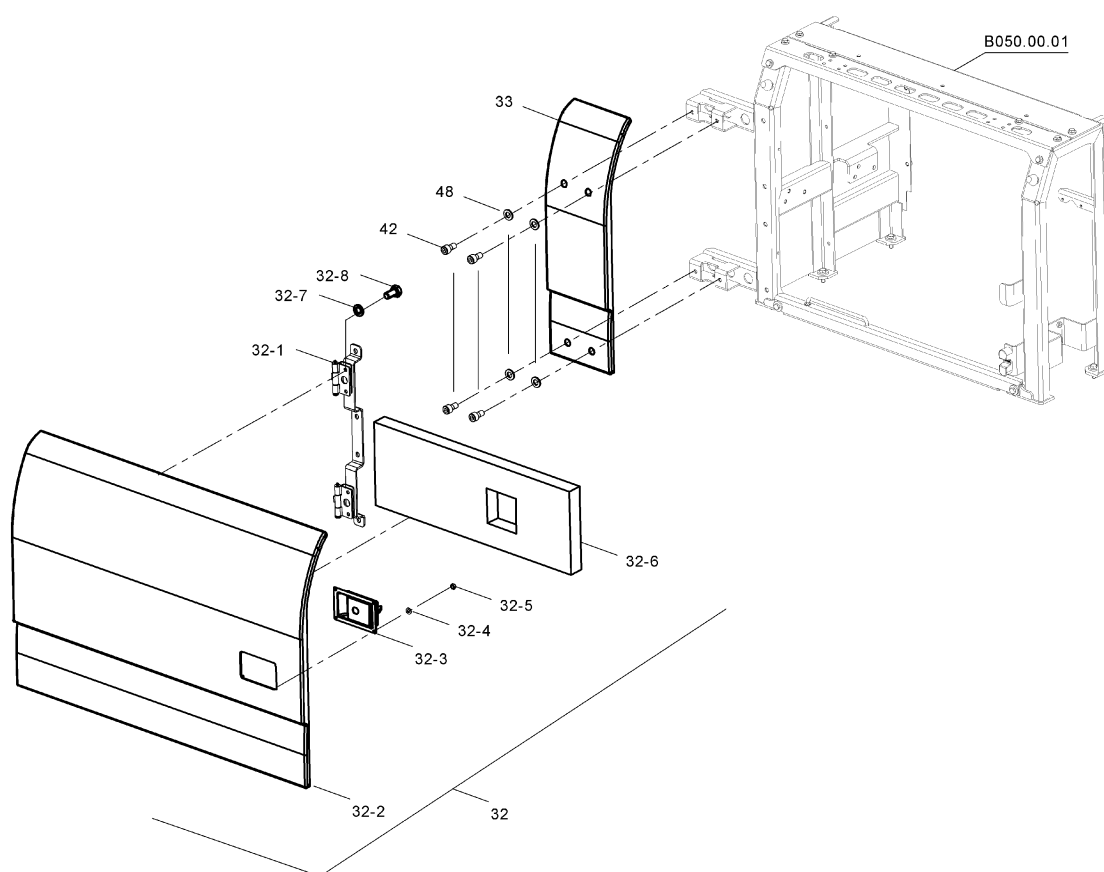
TAKIM SANDIĞI MONTAJI TOOL BOX MOUNTING



YÜRÜME SAÇLARI ANTI-SLIP WALKWAY

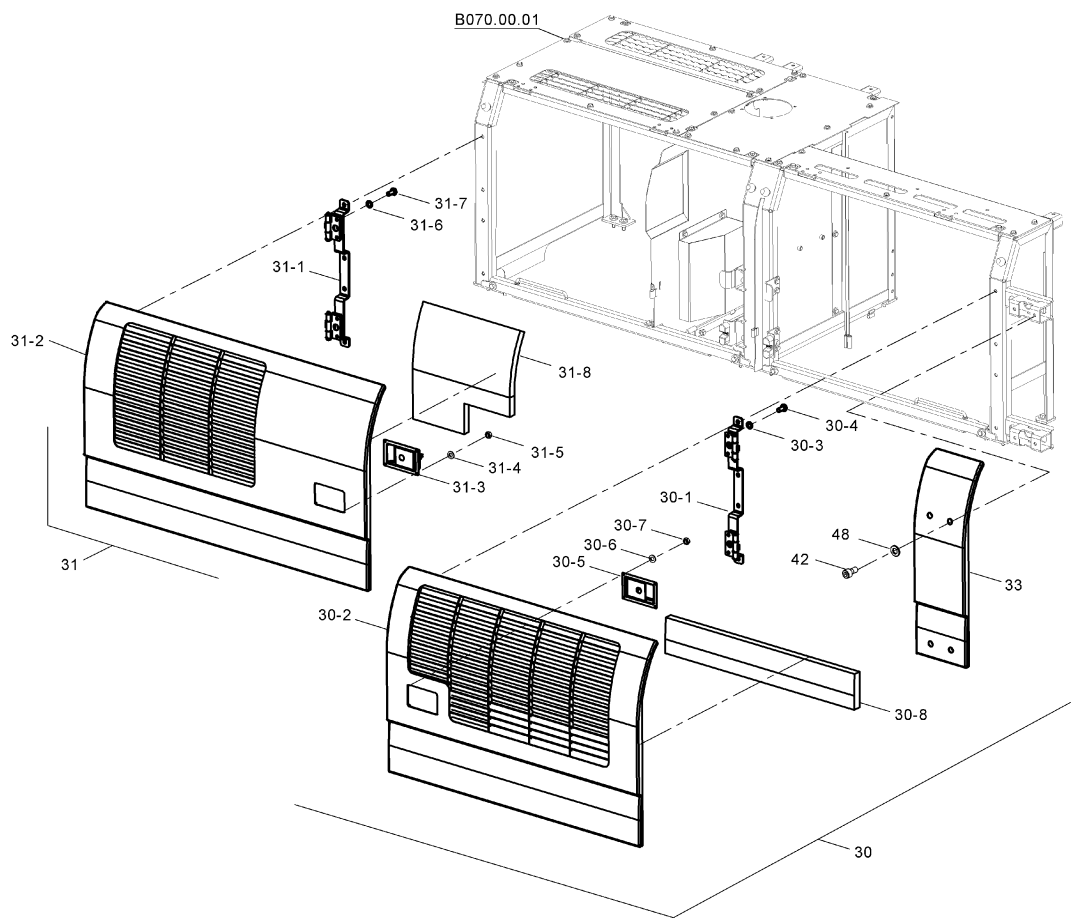


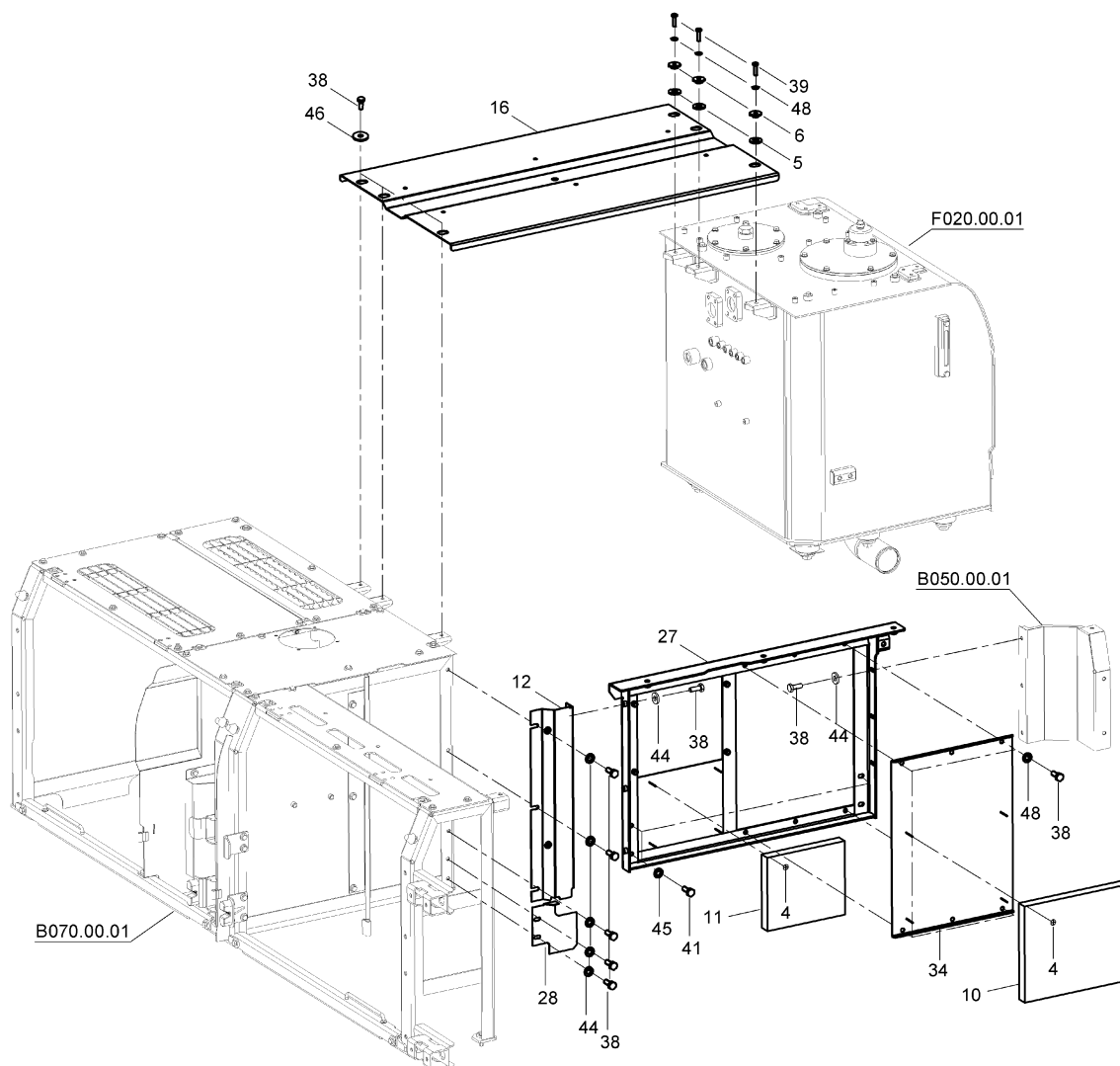
KAPI MONTAJI, SAĞ DOOR MOUNTING, RH



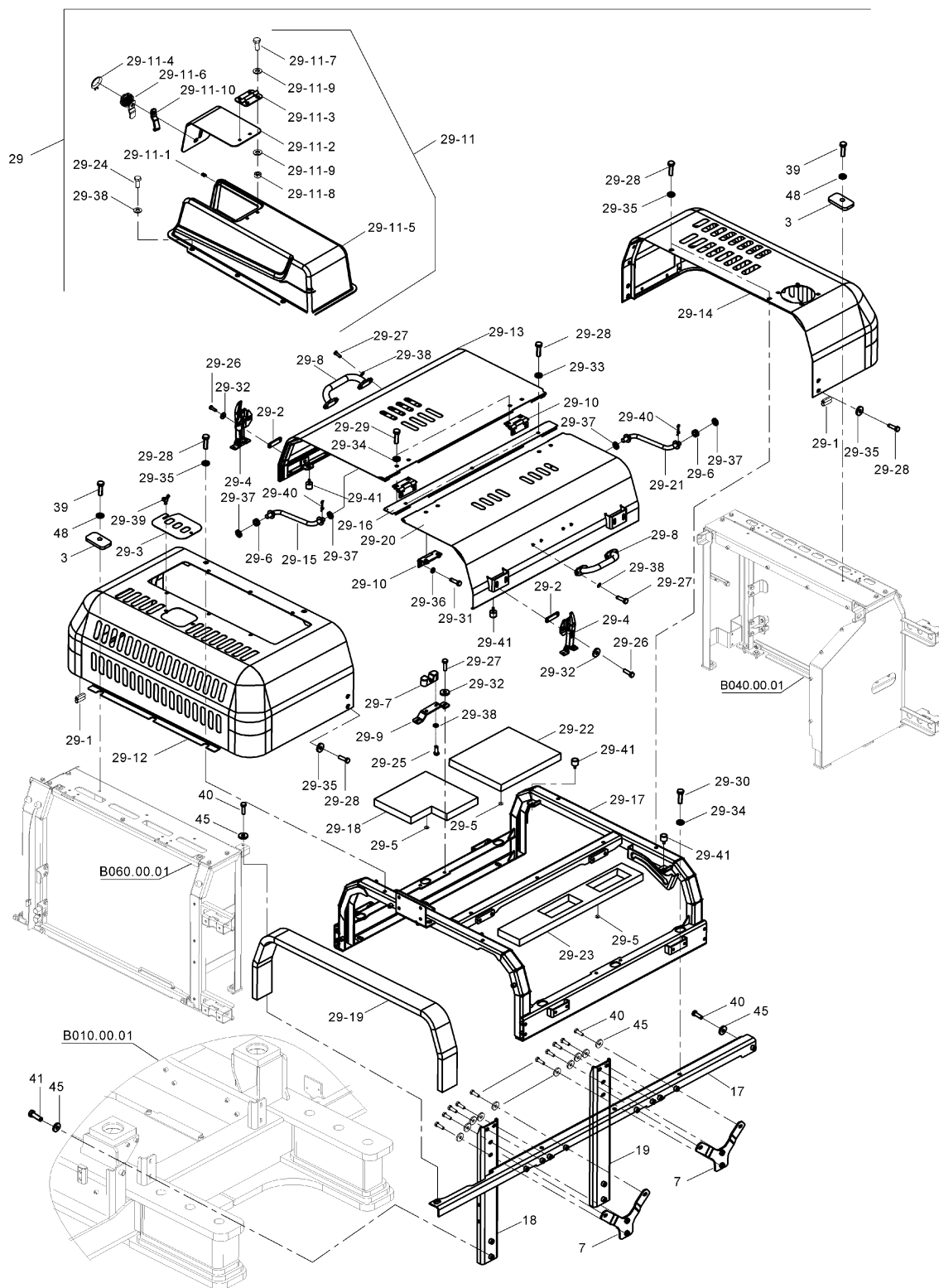
[illegible]

KAPI MONTAJI, SOL
DOOR MOUNTING, LH

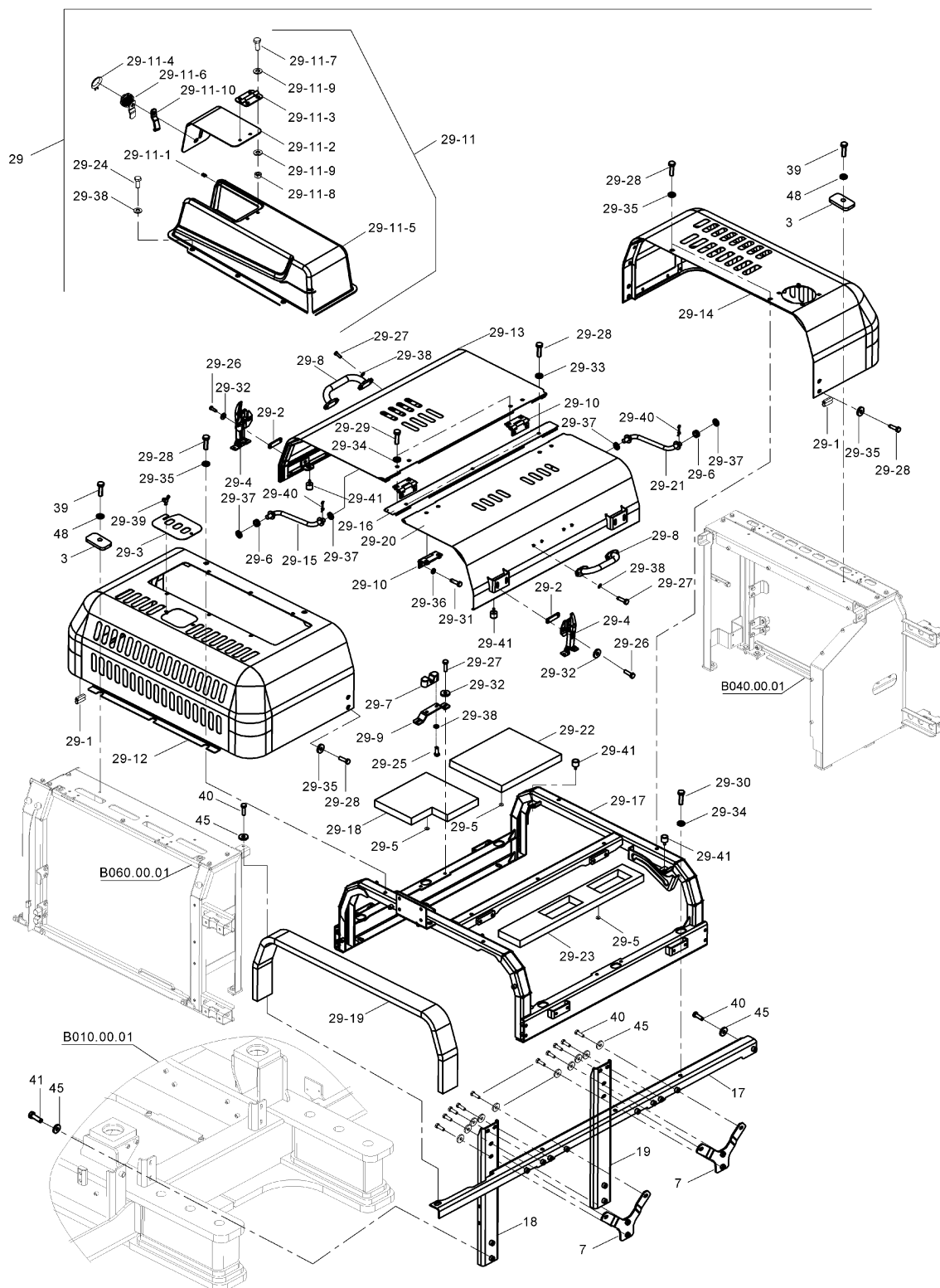


**KAPORTA MONTAJI, AKV
COWLING ASS'Y, MCV**

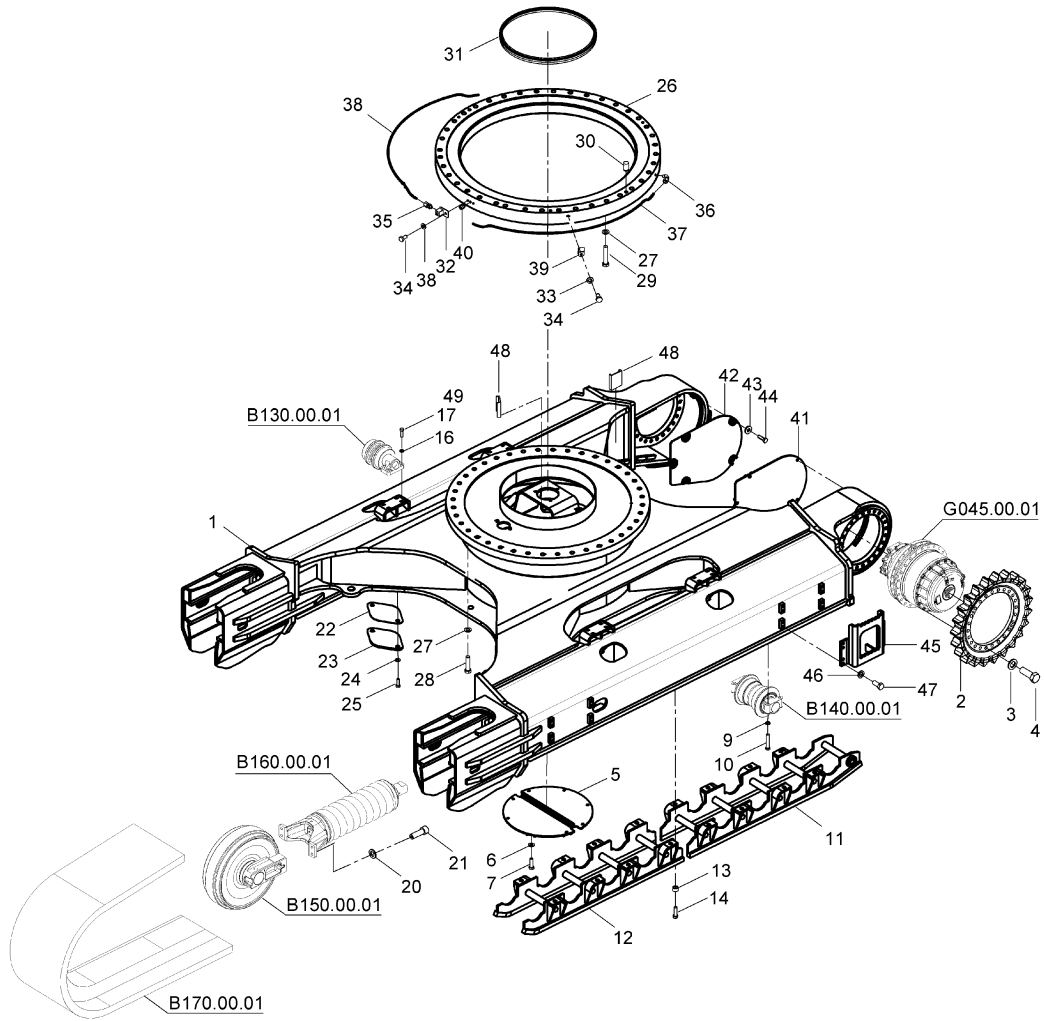
MOTOR KAPUT MONTAJI ENGINE HOOD MOUNTING



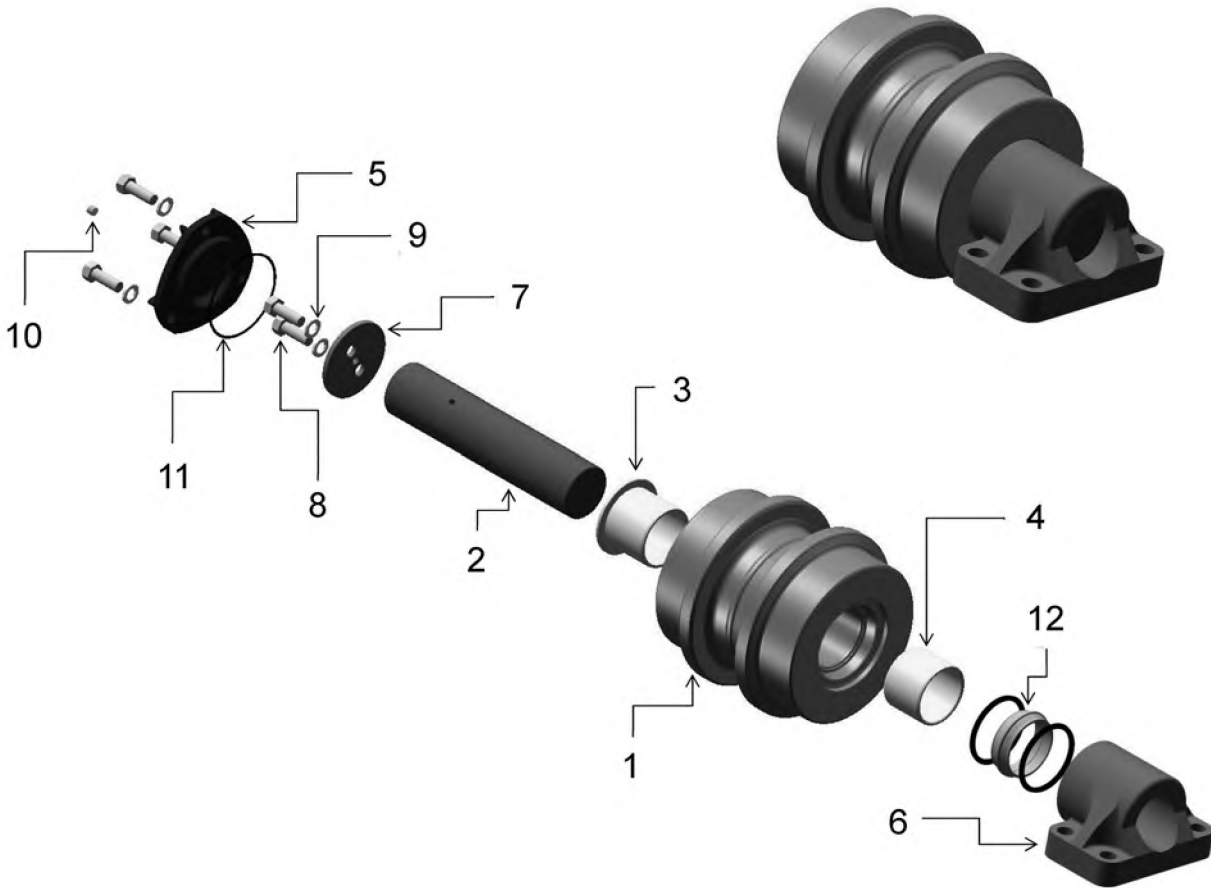
MOTOR KAPUT MONTAJI ENGINE HOOD MOUNTING



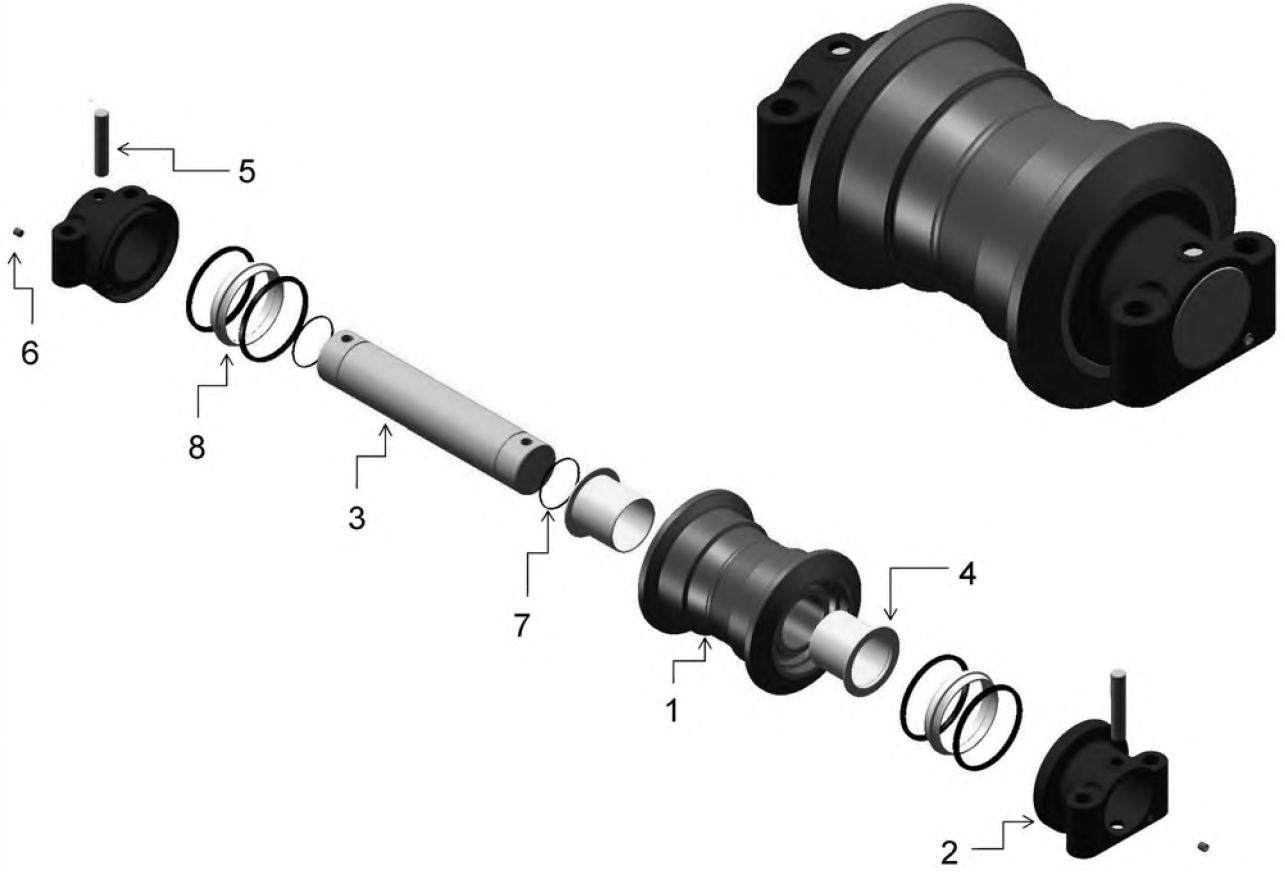
ALT ŞASI MONTAJI (TİP A)
LOWER FRAME MOUNTING (TYPE A)



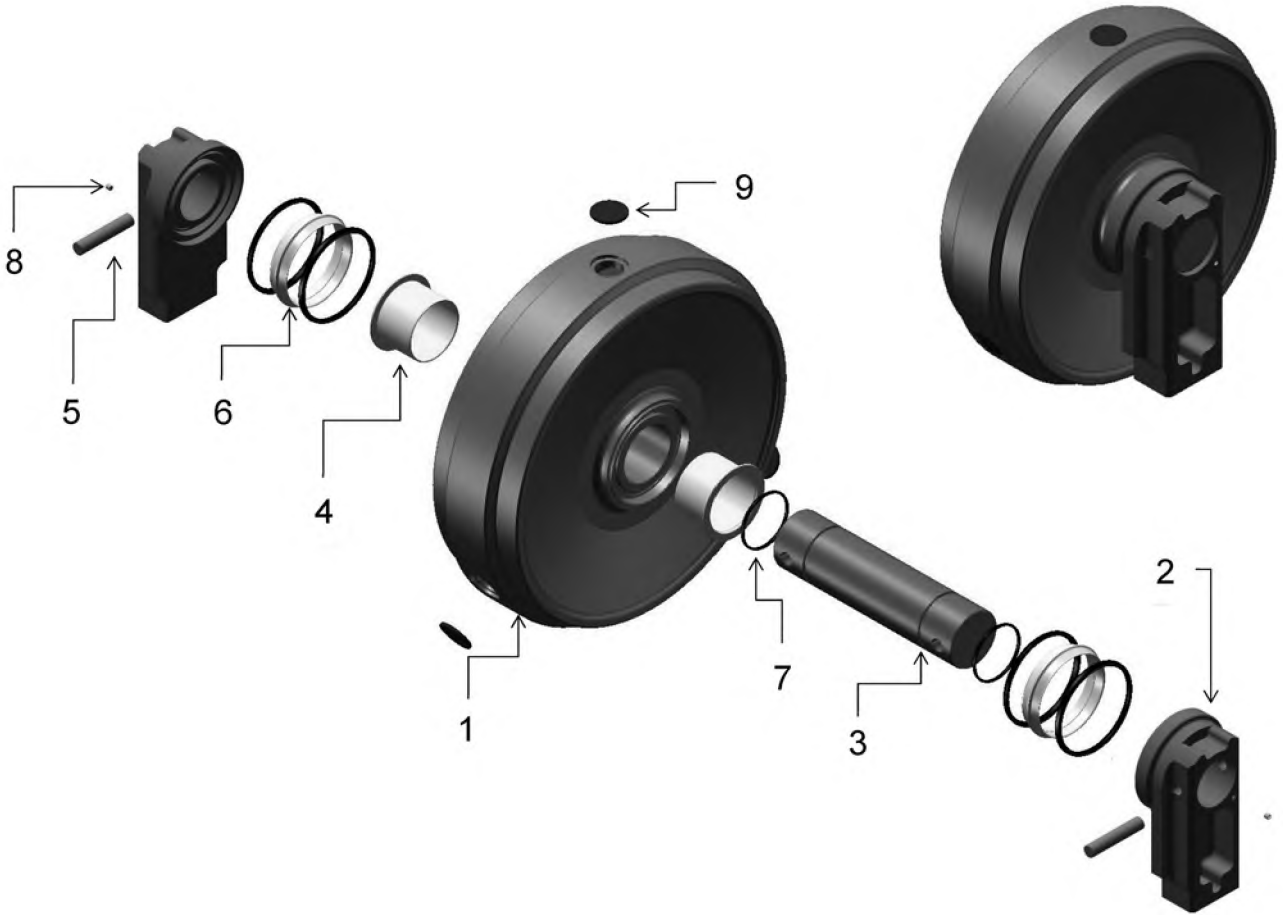
TAŞIYICI MAKARA KOMPLESİ UPPER ROLLER ASS'Y



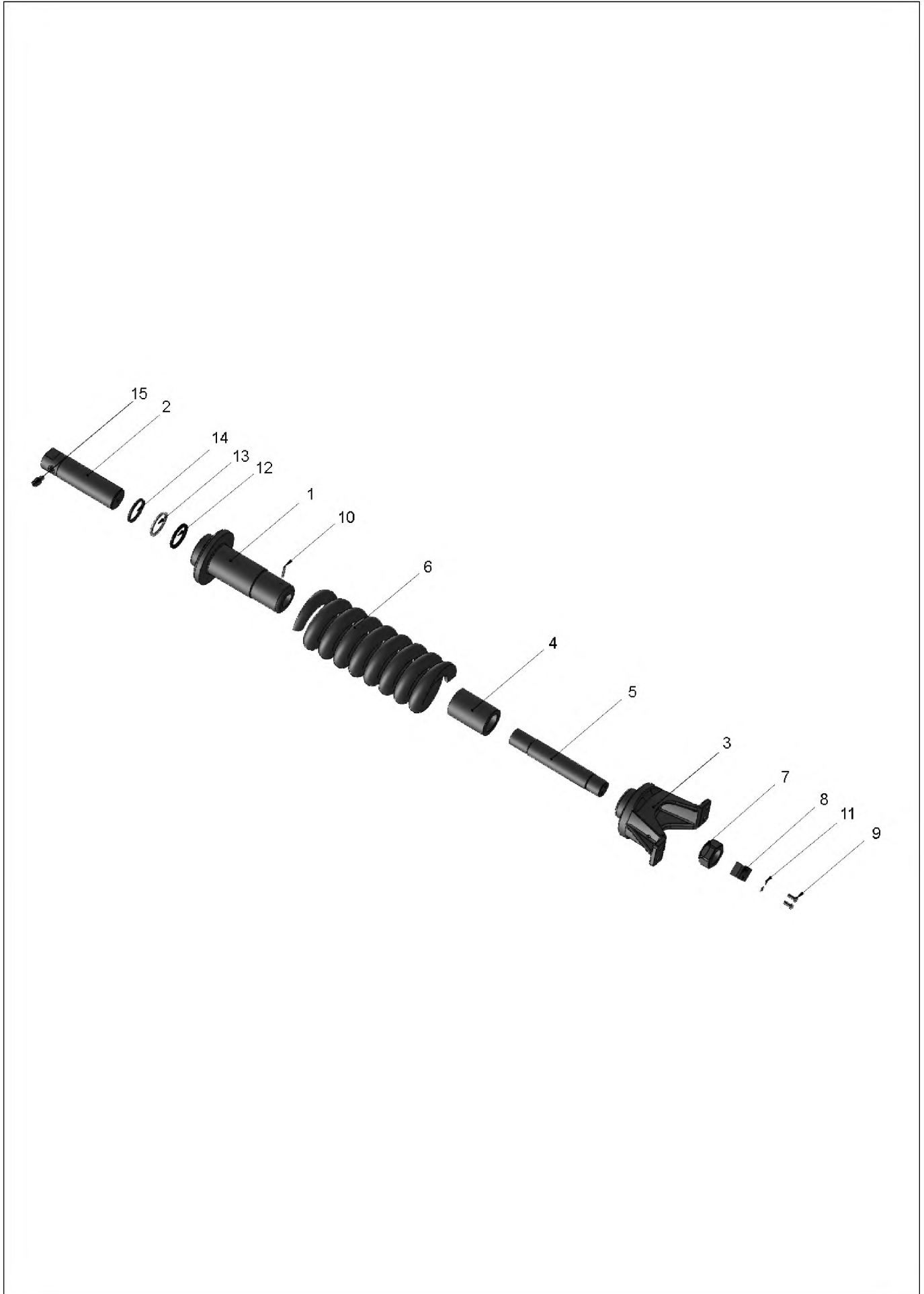
YÜRÜYÜŞ MAKARASI KOMPLESİ LOWER ROLLER ASS'Y



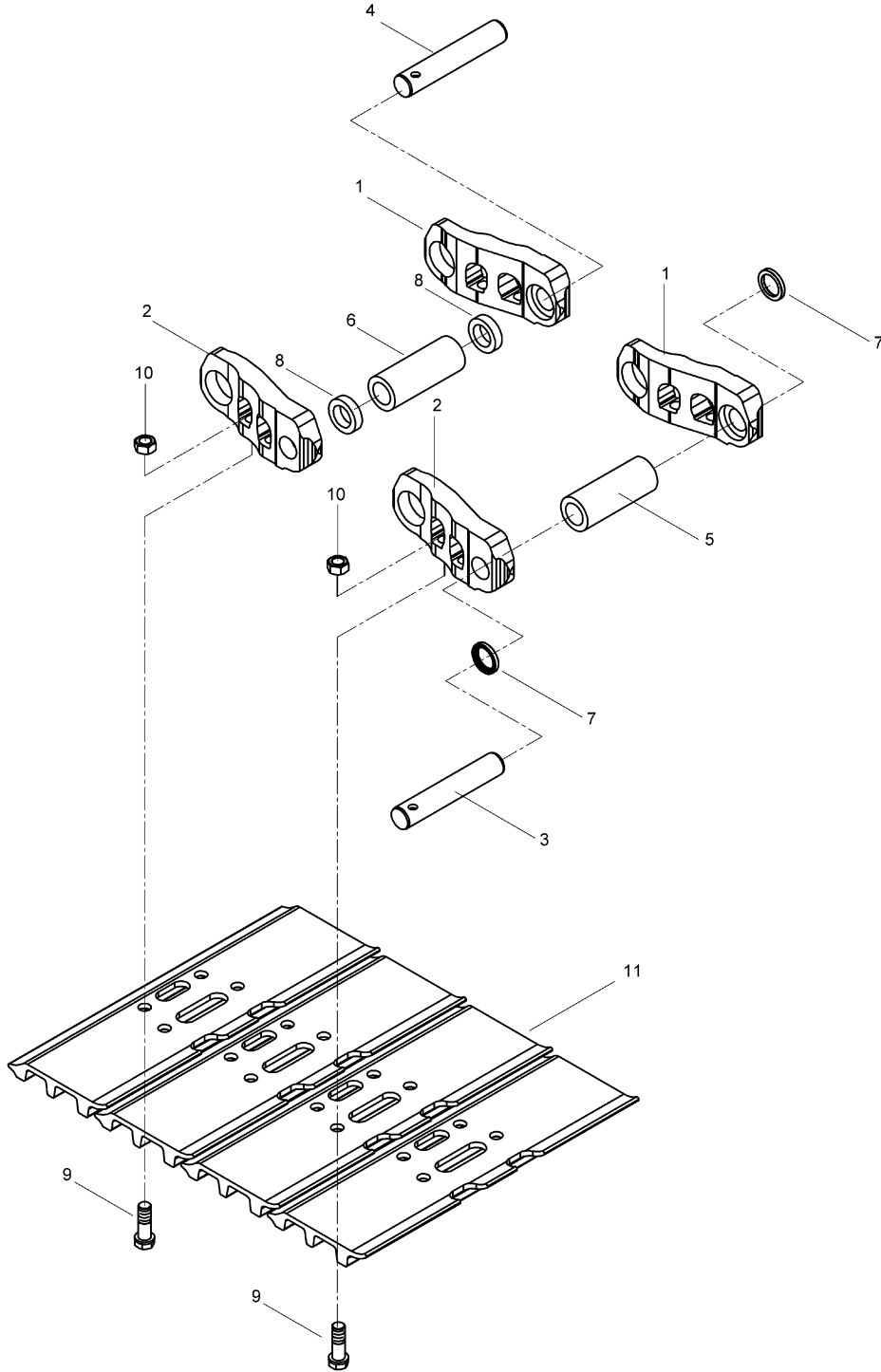
İSTİKAMET TEKERİ KOMPLESİ IDLER ASS'Y



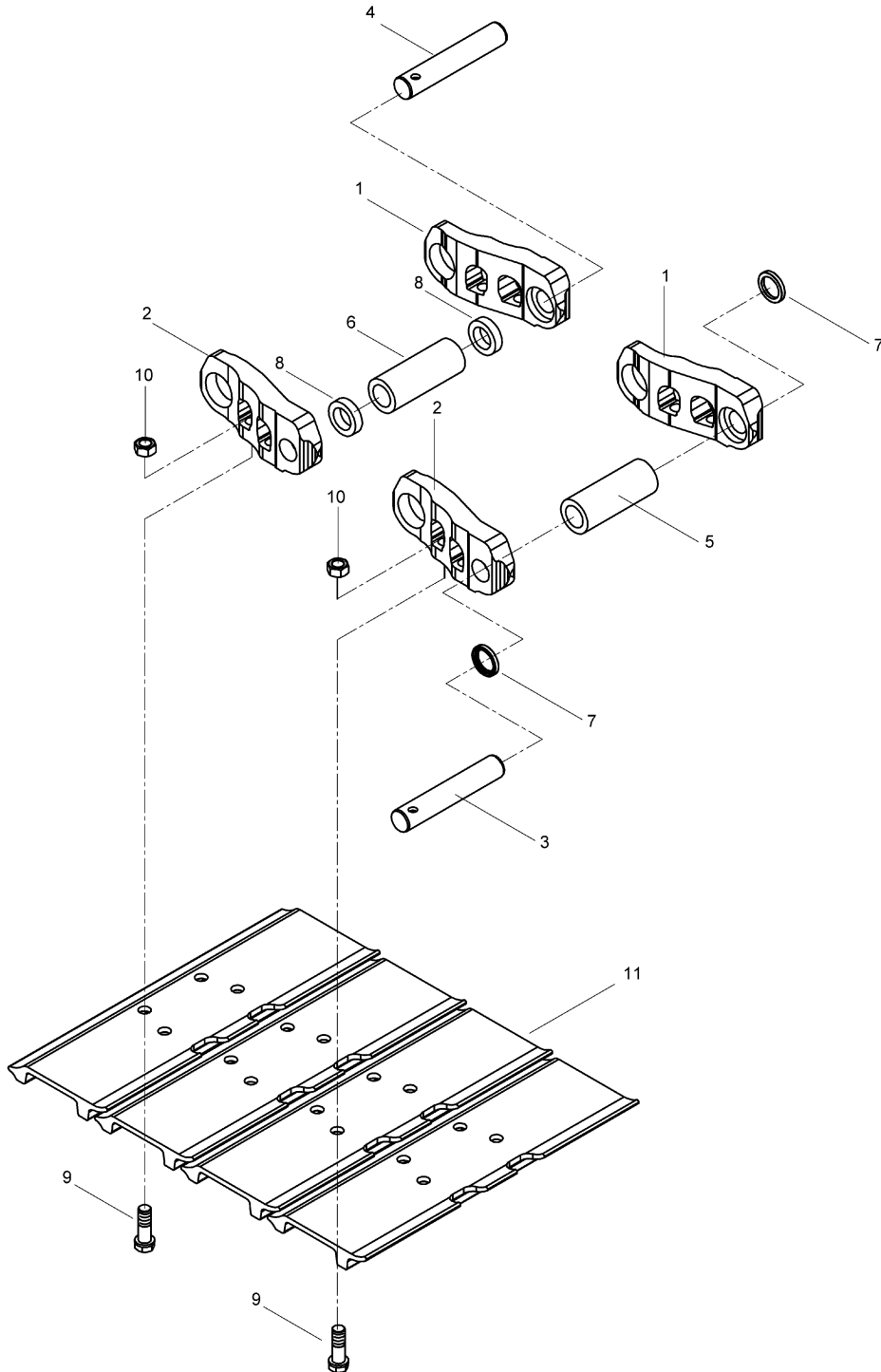
GERDİRME MEKANİZMASI KOMPLESİ ADJUSTER ASS'Y



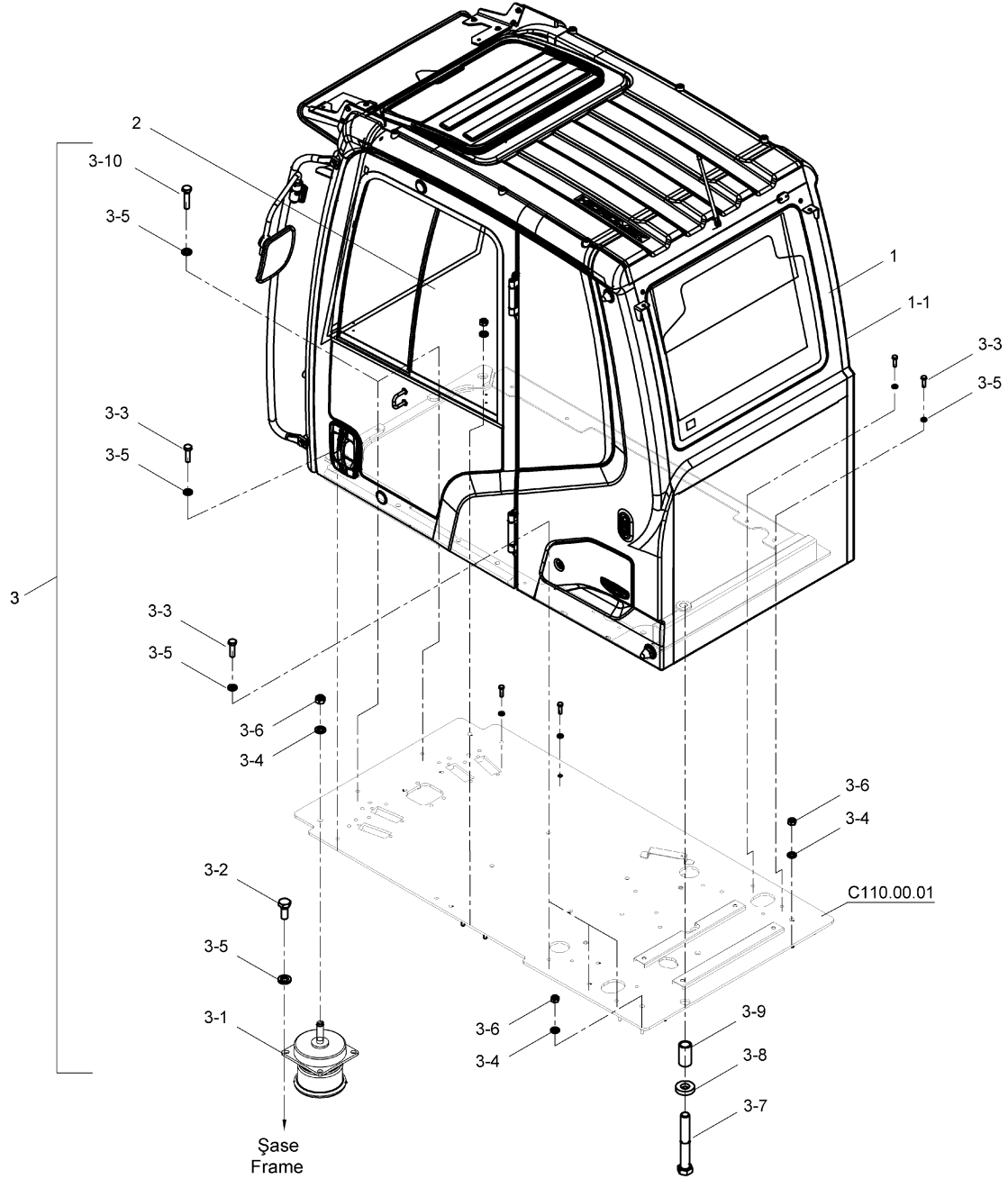
PALET KOMPLESİ (600mm, ÜÇ TIRNAKLI)
TRACK CHAIN ASS'Y (600mm, TRIPLE GROUSER)



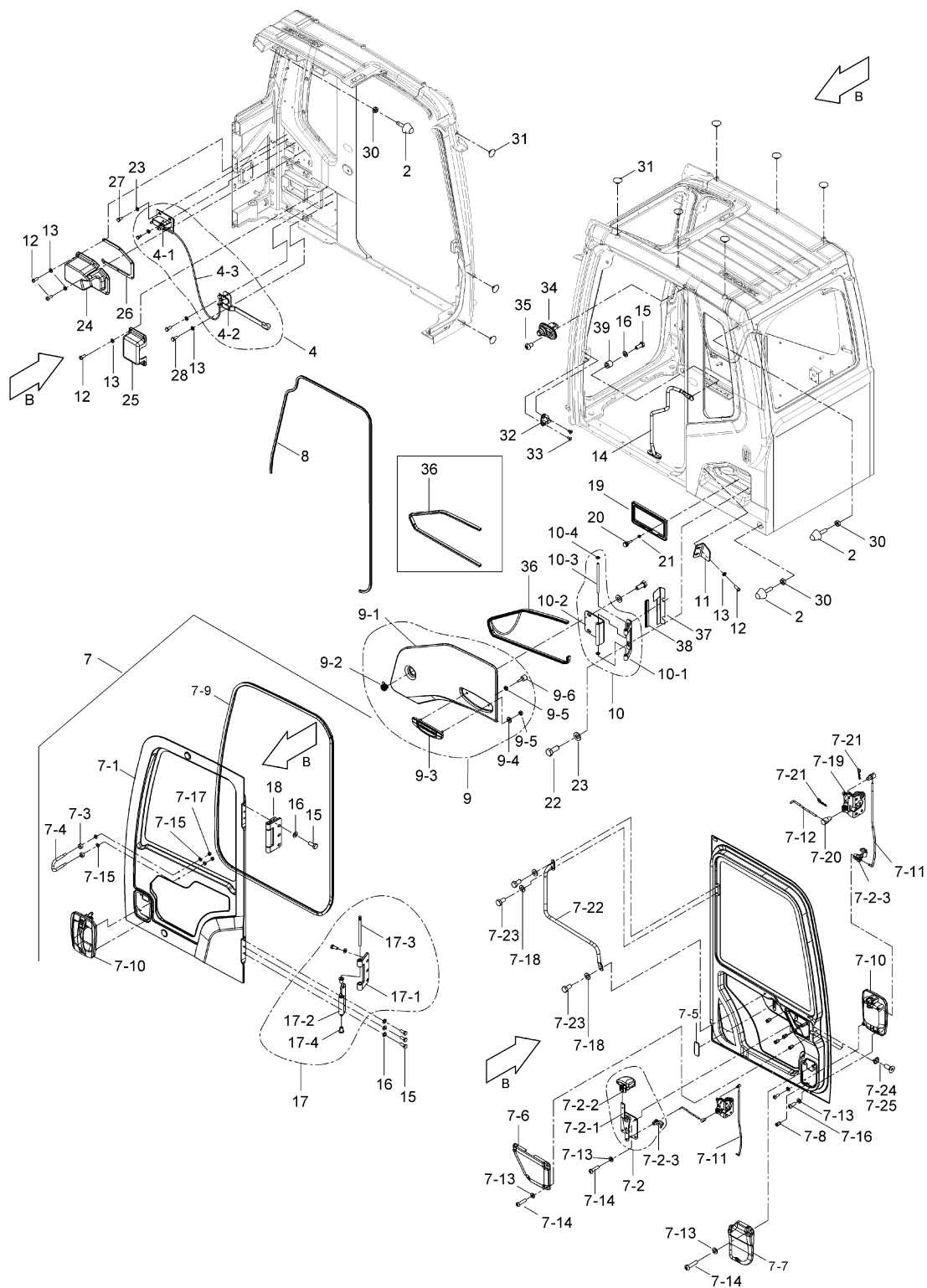
PALET KOMPLESİ (600mm, İKİ TIRNAKLI)
TRACK CHAIN ASS'Y (600mm, DOUBLE GROUSER)



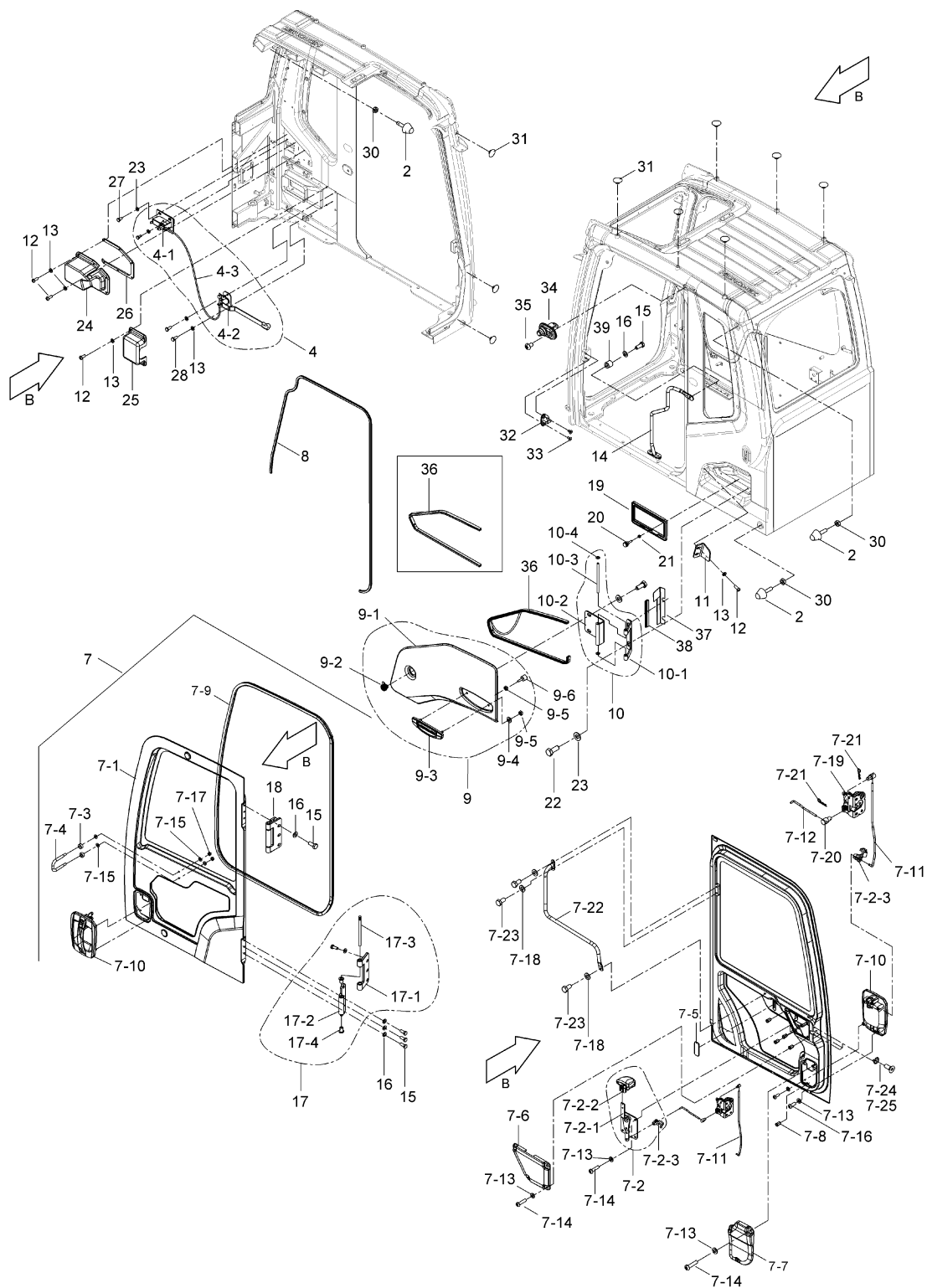
KABİN VE BAĞLANTI TAKOZLARI CAB AND CAB MOUNTING



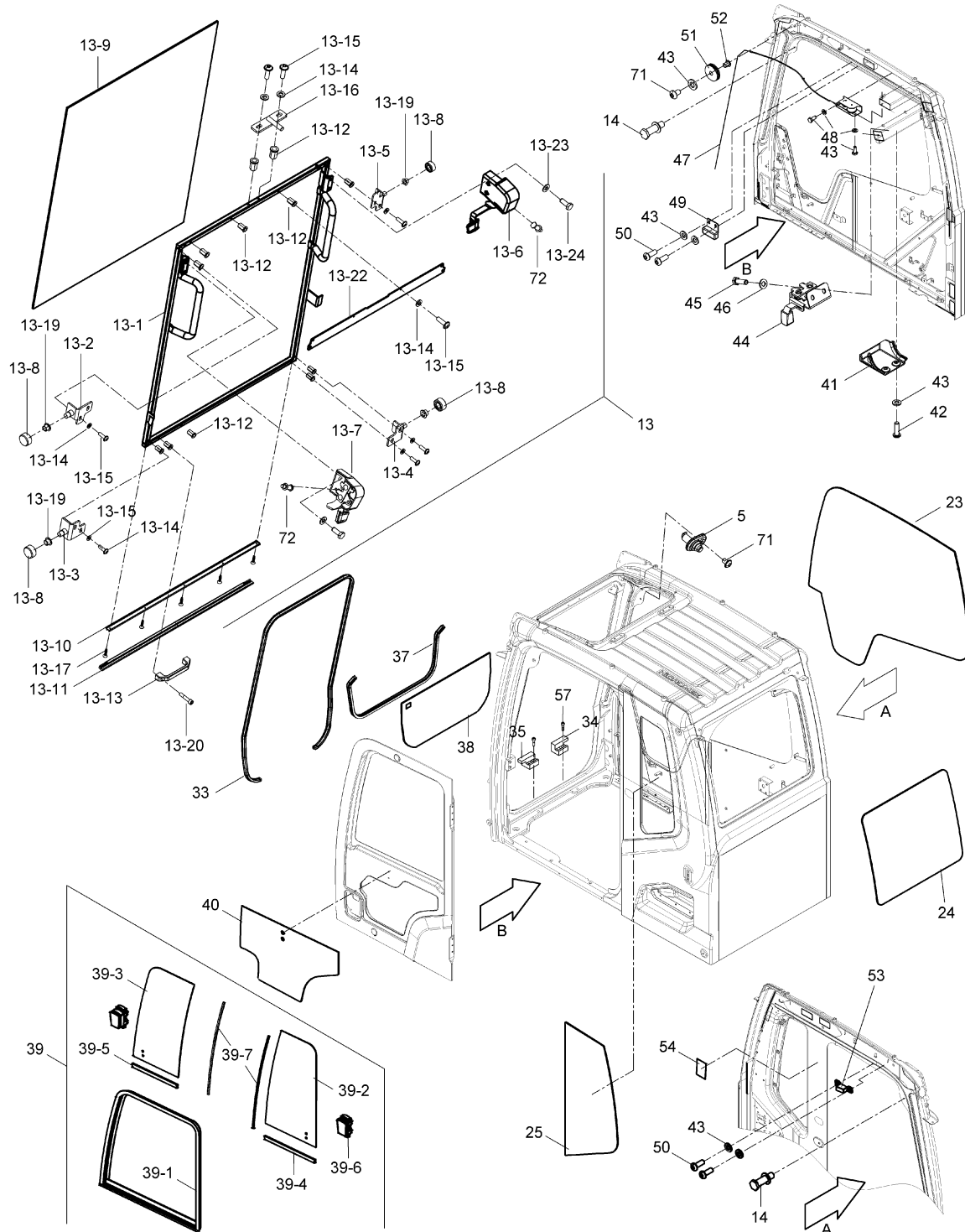
KAPILAR DOORS

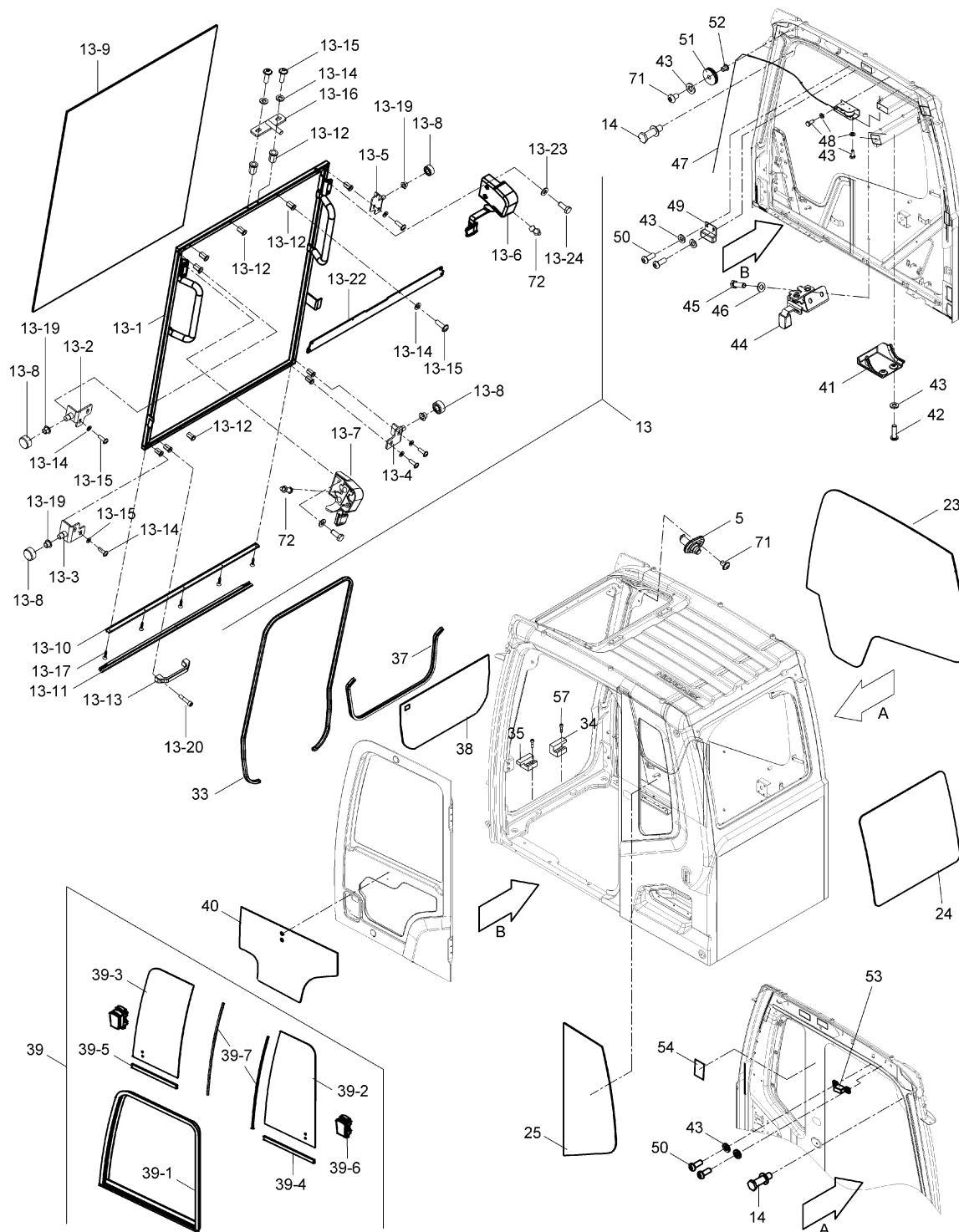


KAPILAR DOORS

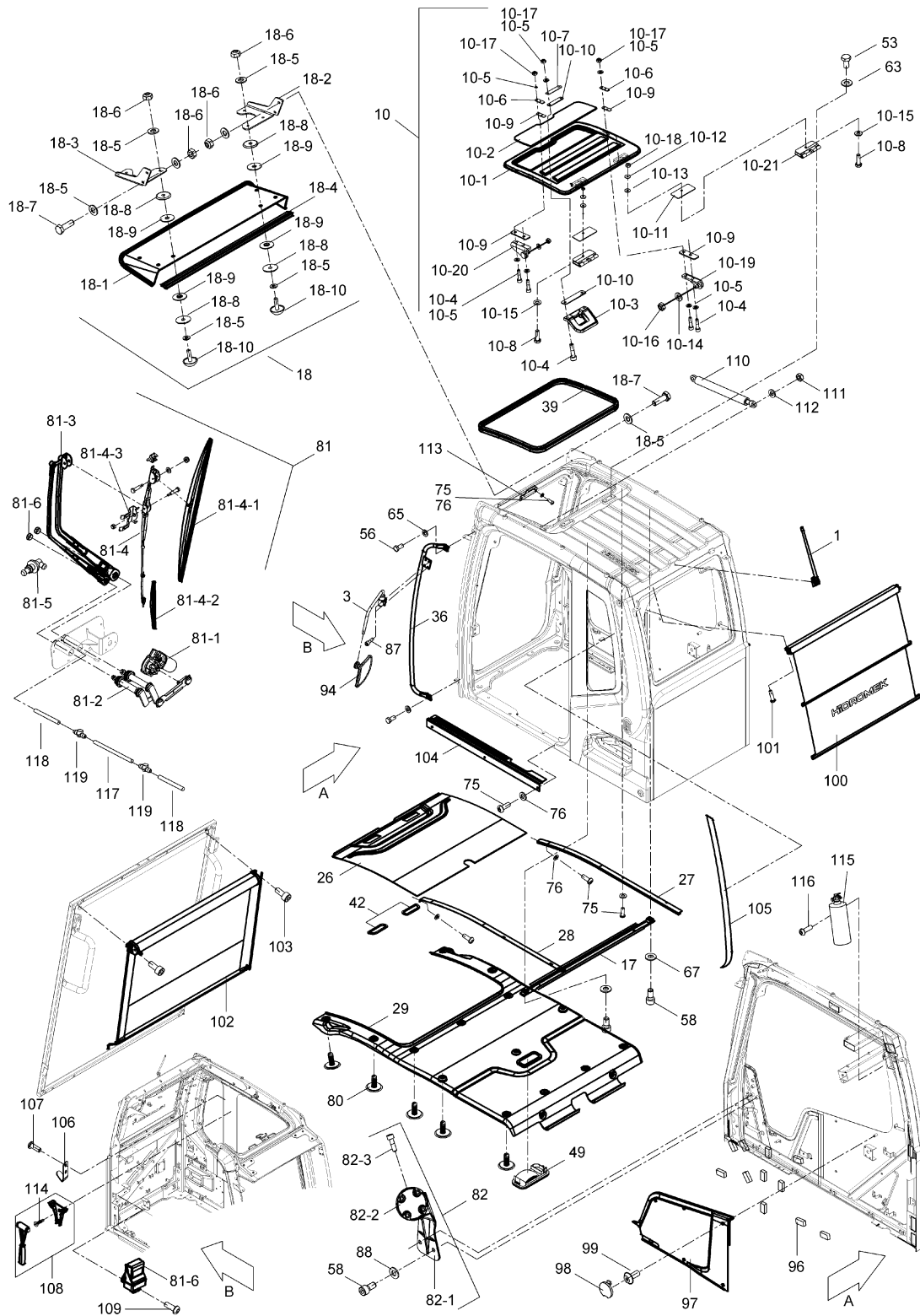


CAMLAR WINDOWS

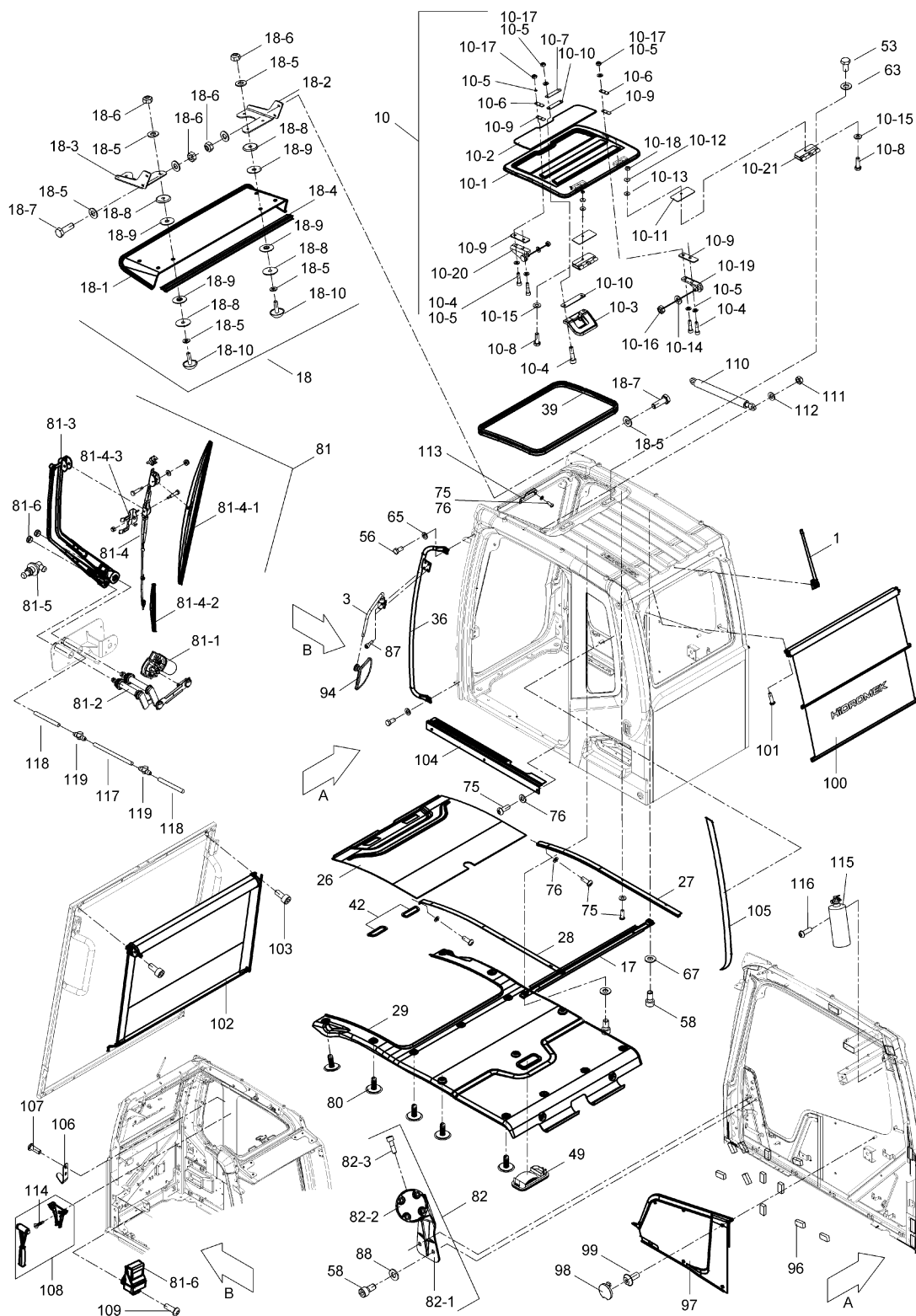


**CAMLAR
WINDOWS**

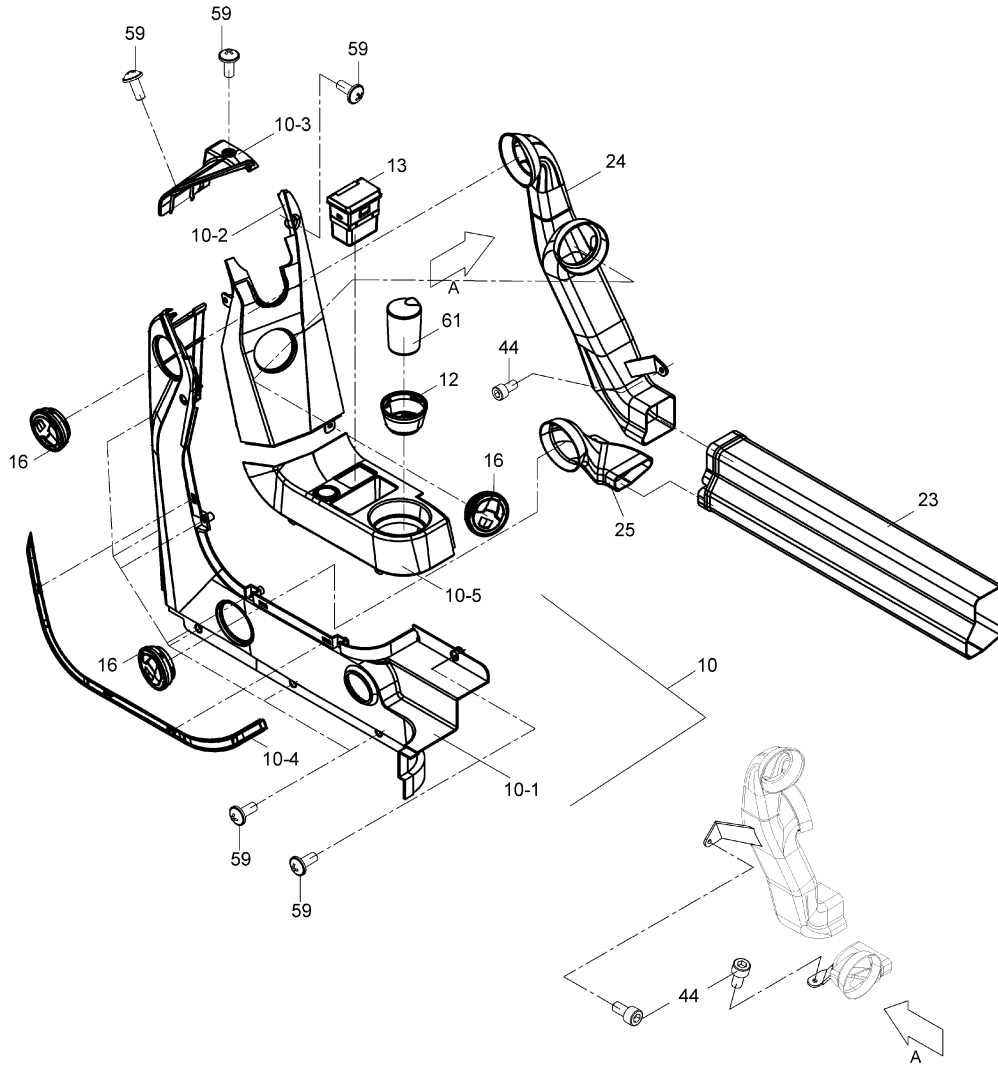
KABİN DONANIMI CAB ACCESSORIES



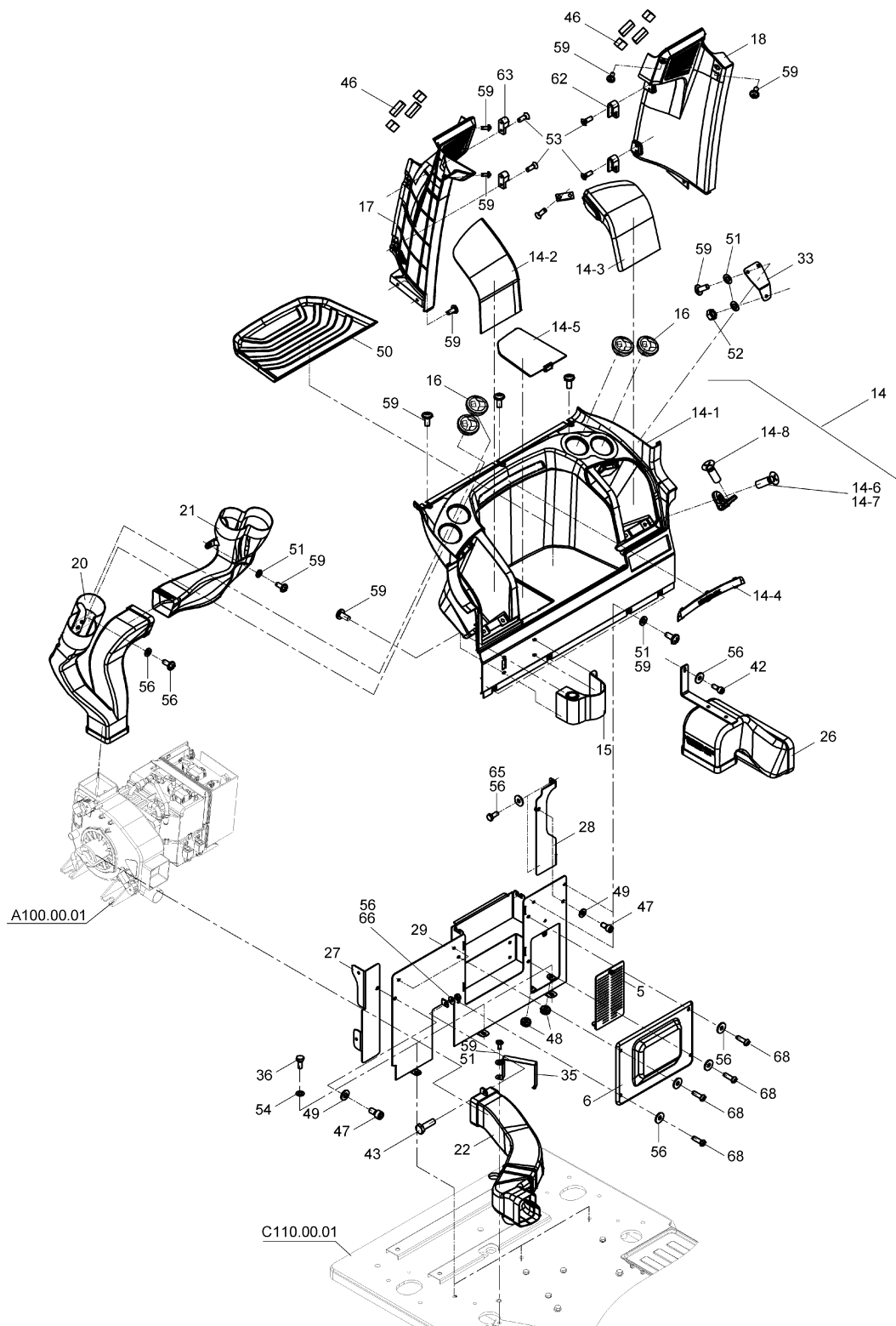
KABİN DONANIMI CAB ACCESSORIES



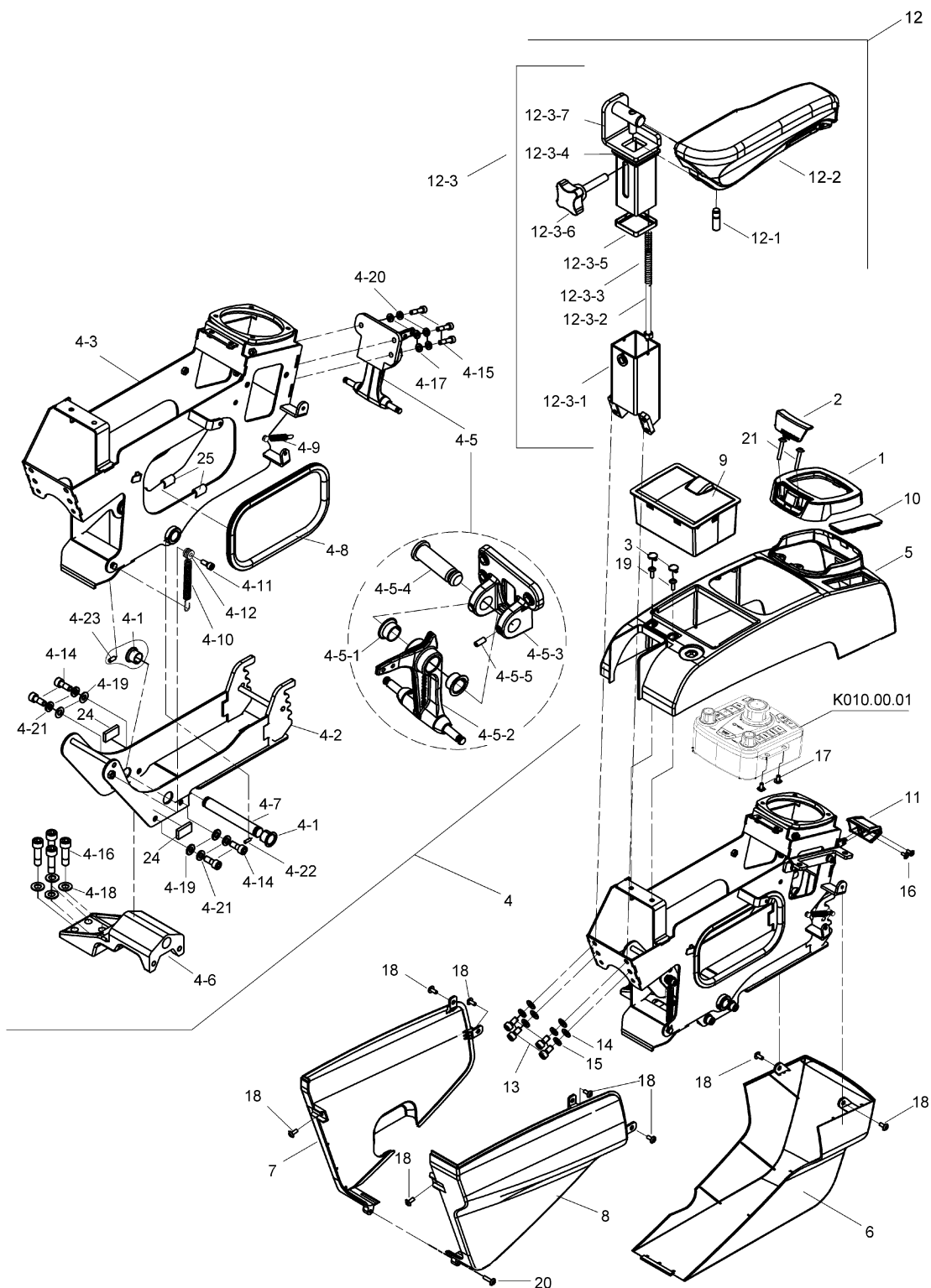
KONSOL MONTAJI, ÖN CONSOLE ASS'Y, FRONT



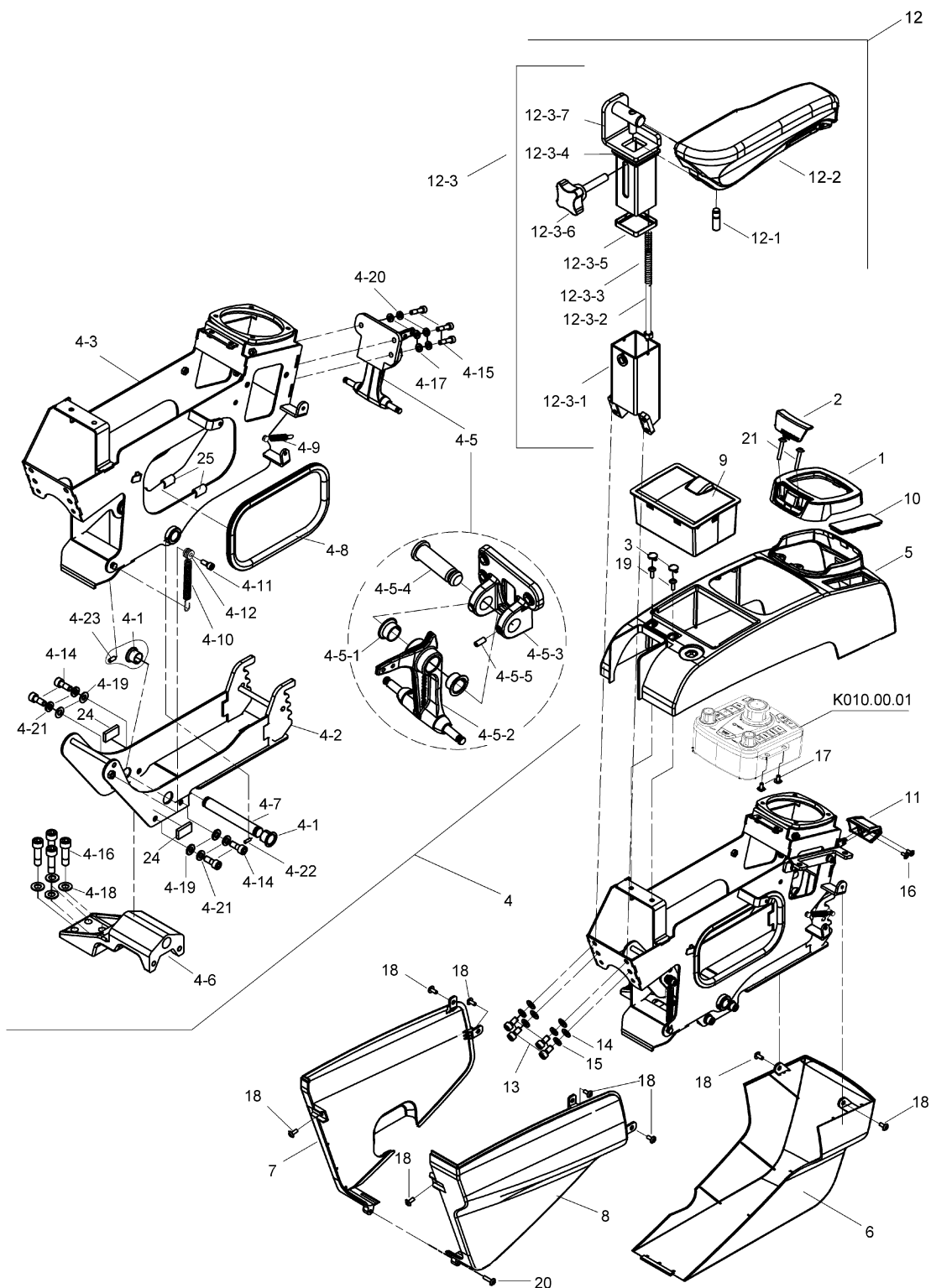
KONSOL MONTAJI, ARKA CONSOLE ASS'Y, REAR



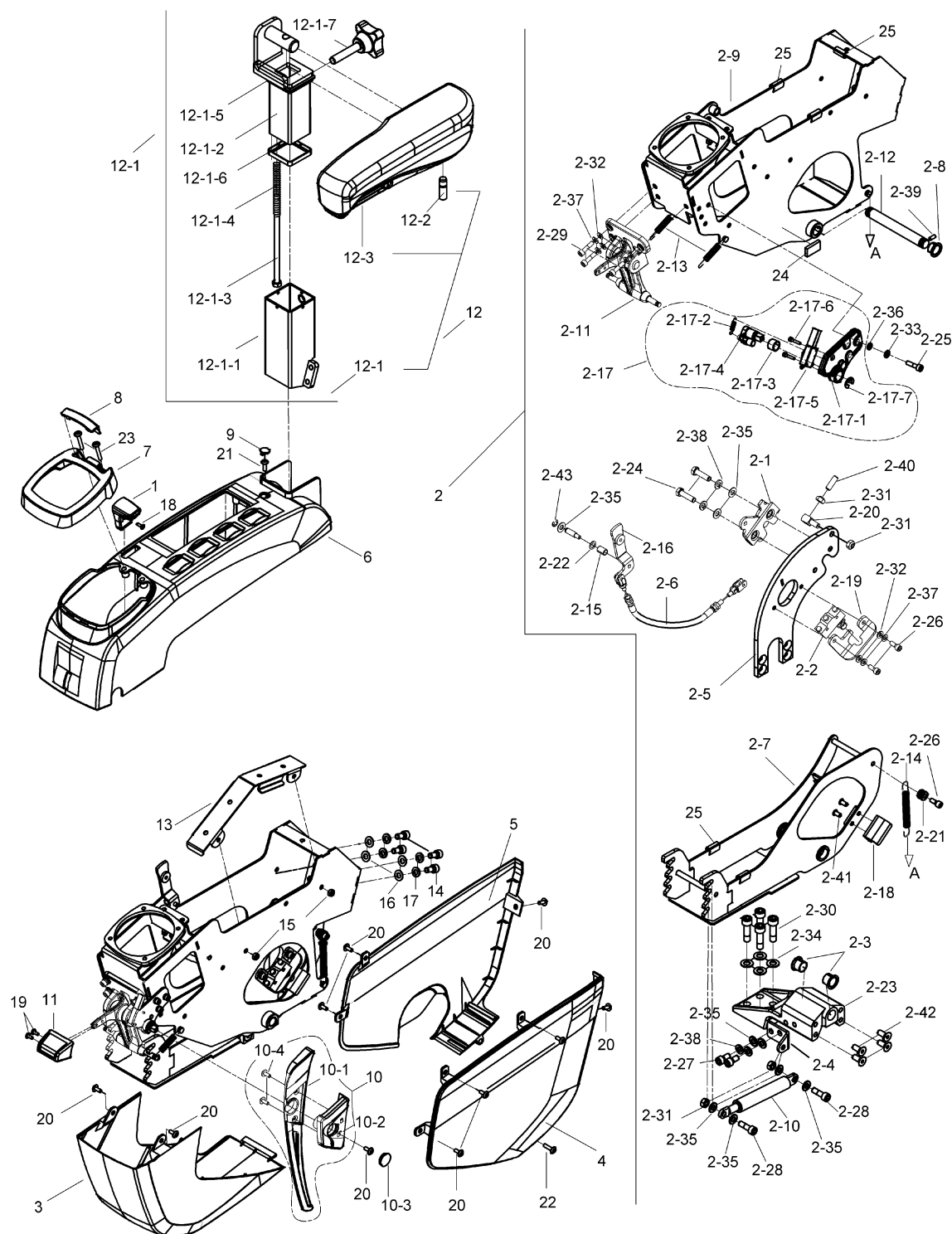
KONSOL MONTAJI, SAĞ CONSOLE ASS'Y, RH



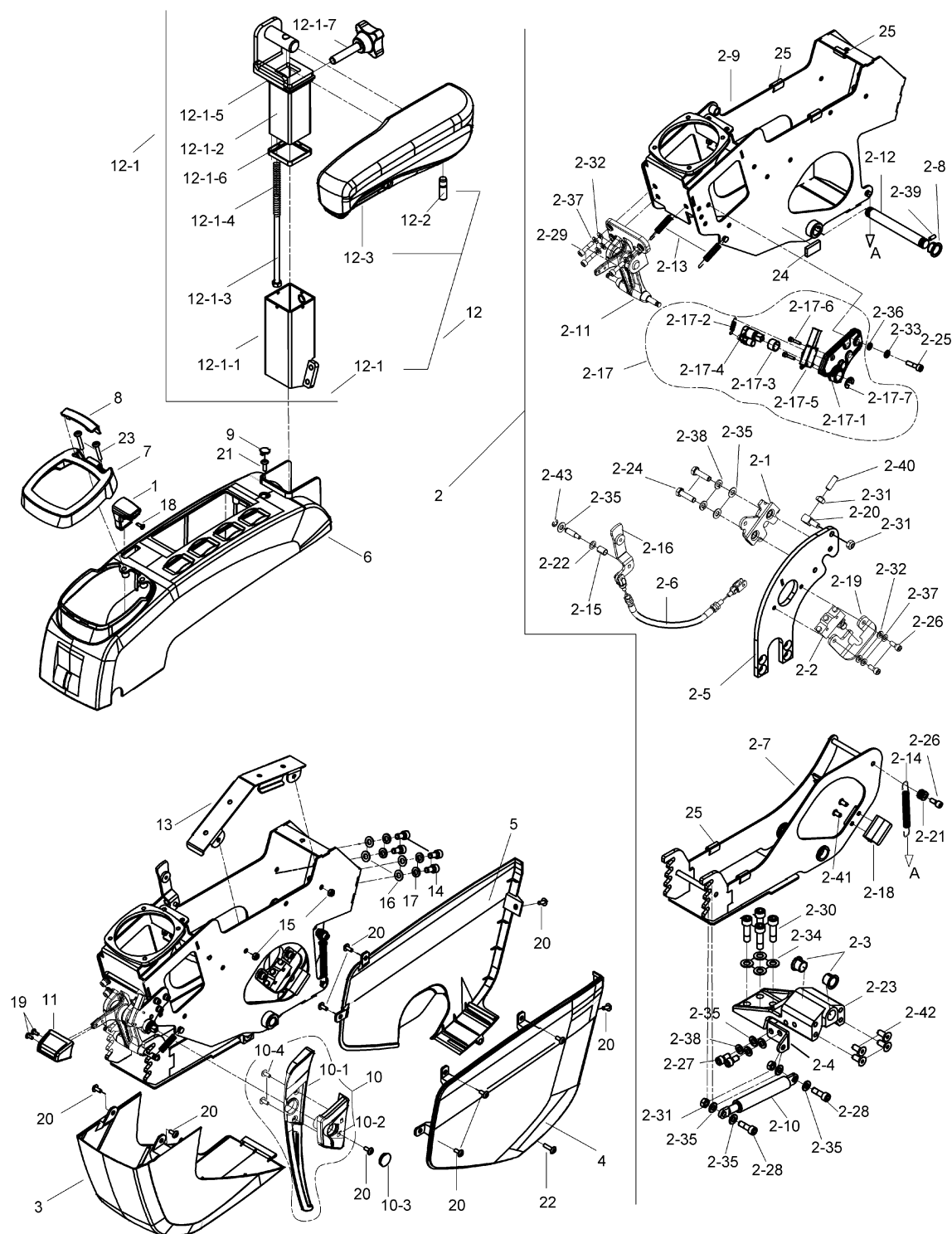
KONSOL MONTAJI, SAĞ CONSOLE ASS'Y, RH



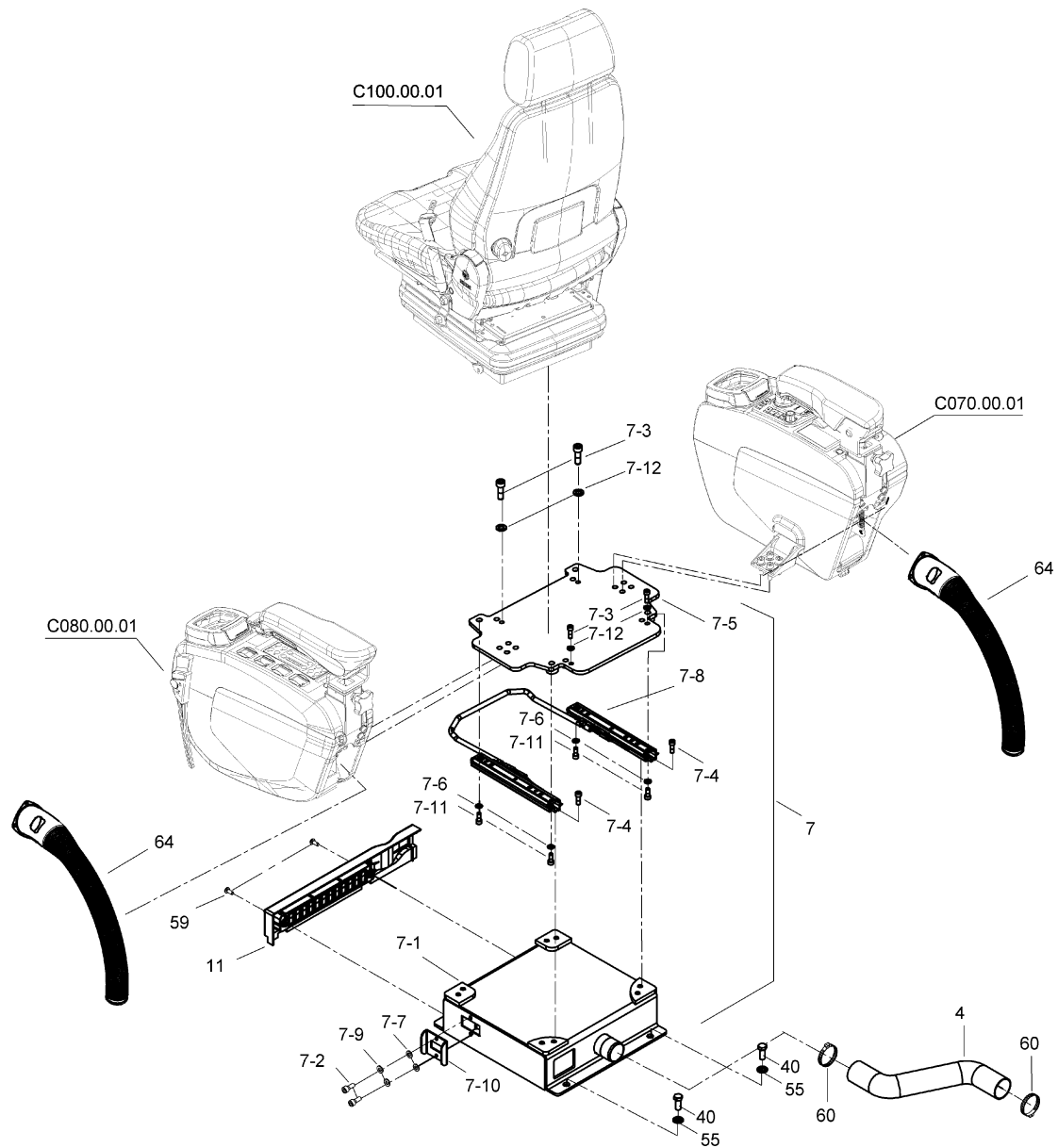
KONSOL MONTAJI, SOL CONSOLE ASS'Y, LH



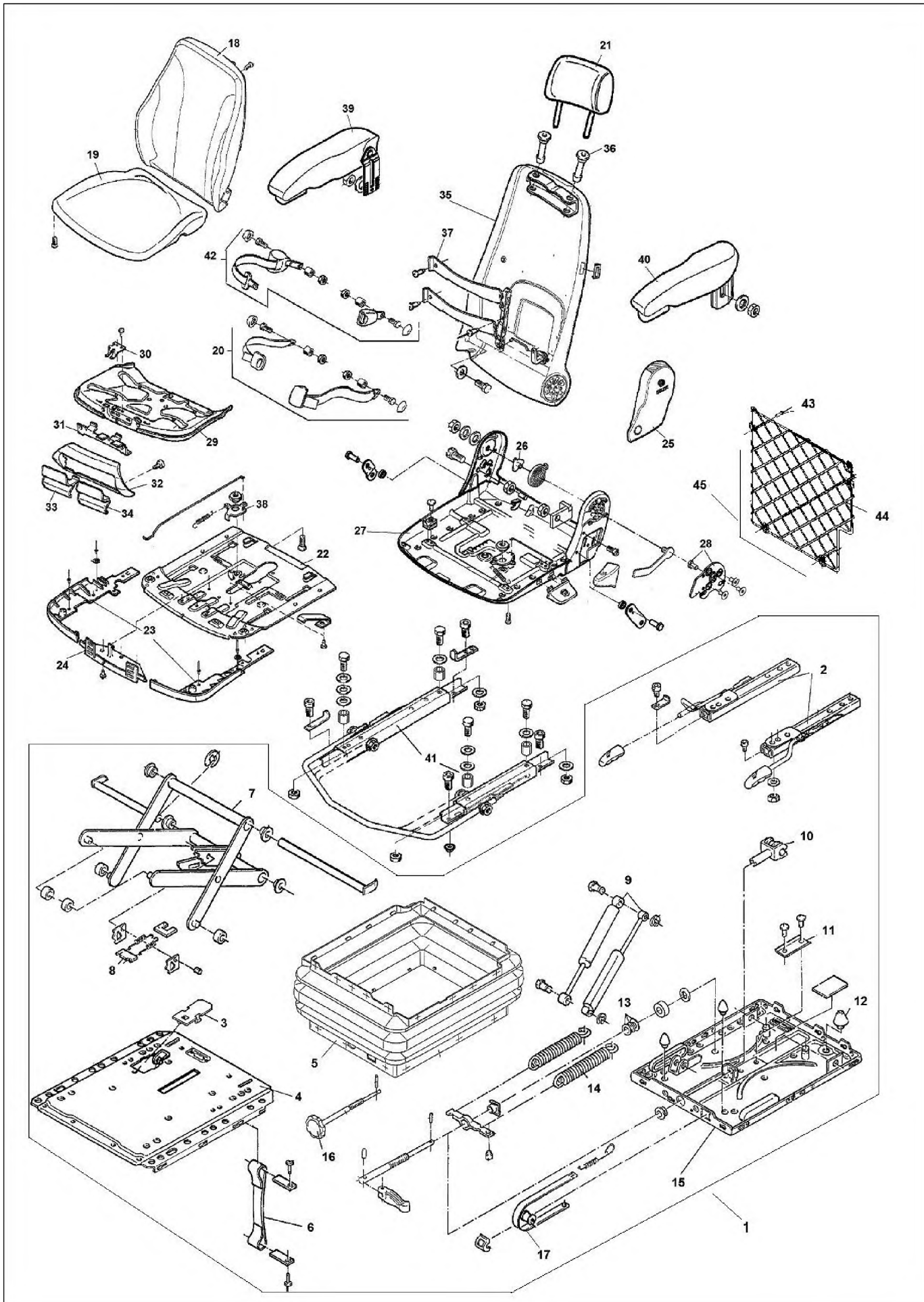
KONSOL MONTAJI, SOL CONSOLE ASS'Y, LH



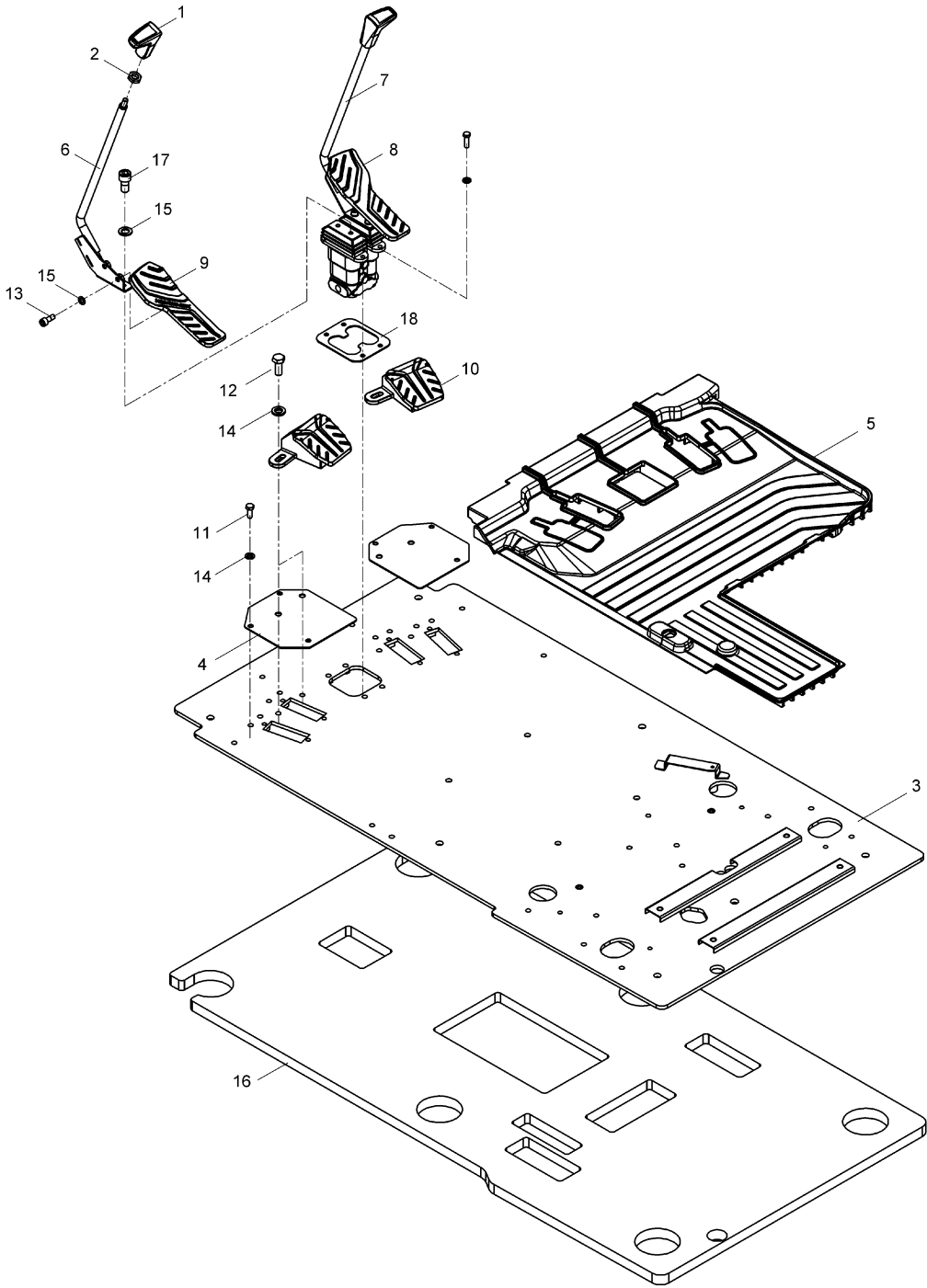
OPERATÖR KOLTUK MONTAJI OPERATOR SEAT MOUNTING



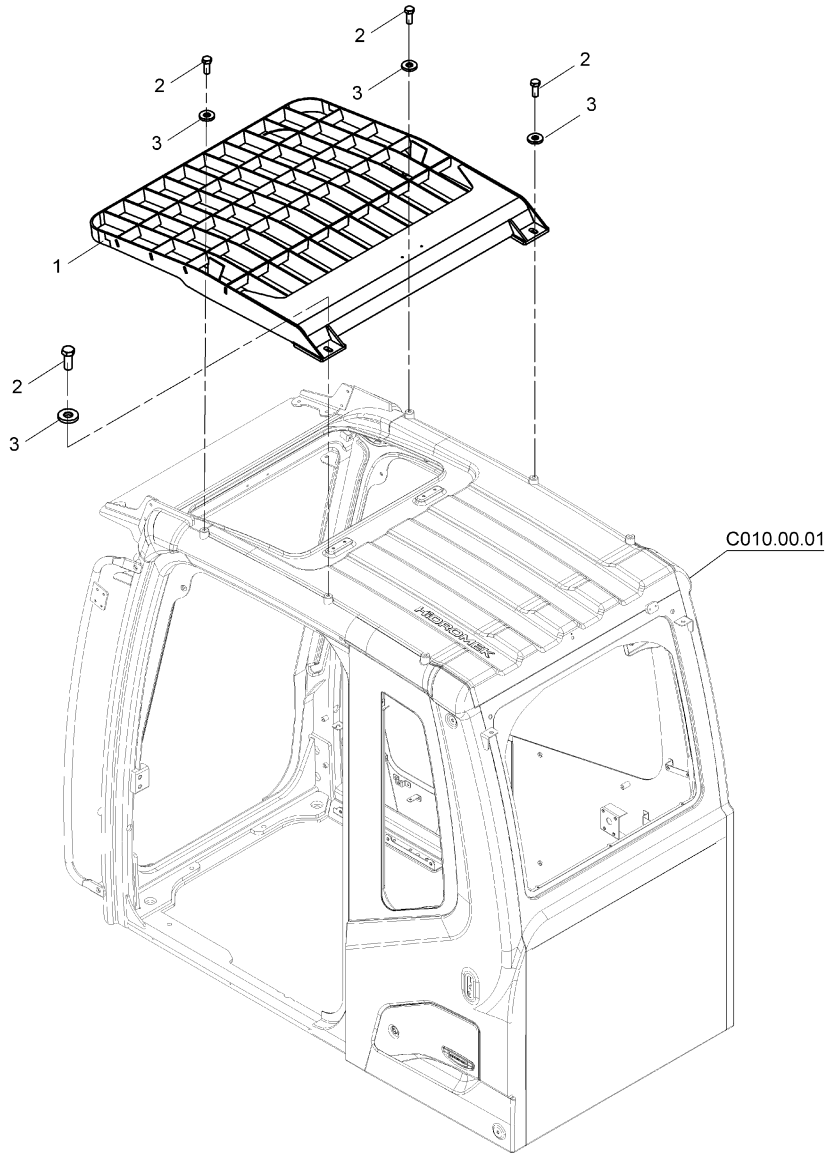
OPERATÖR KOLTUK KOMPLESİ
OPERATOR SEAT ASS'Y



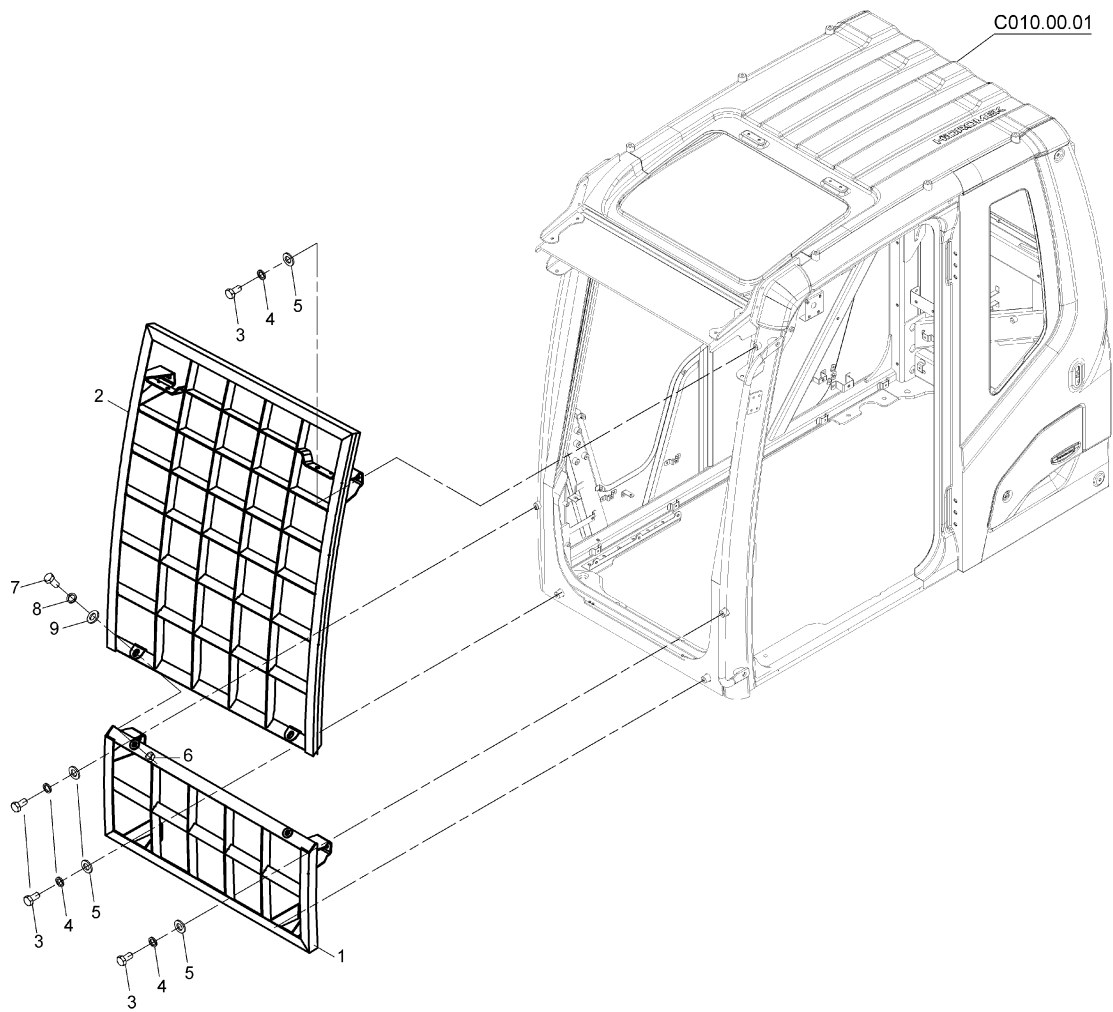
PLATFORM MONTAJI
PLATFORM ASS'Y



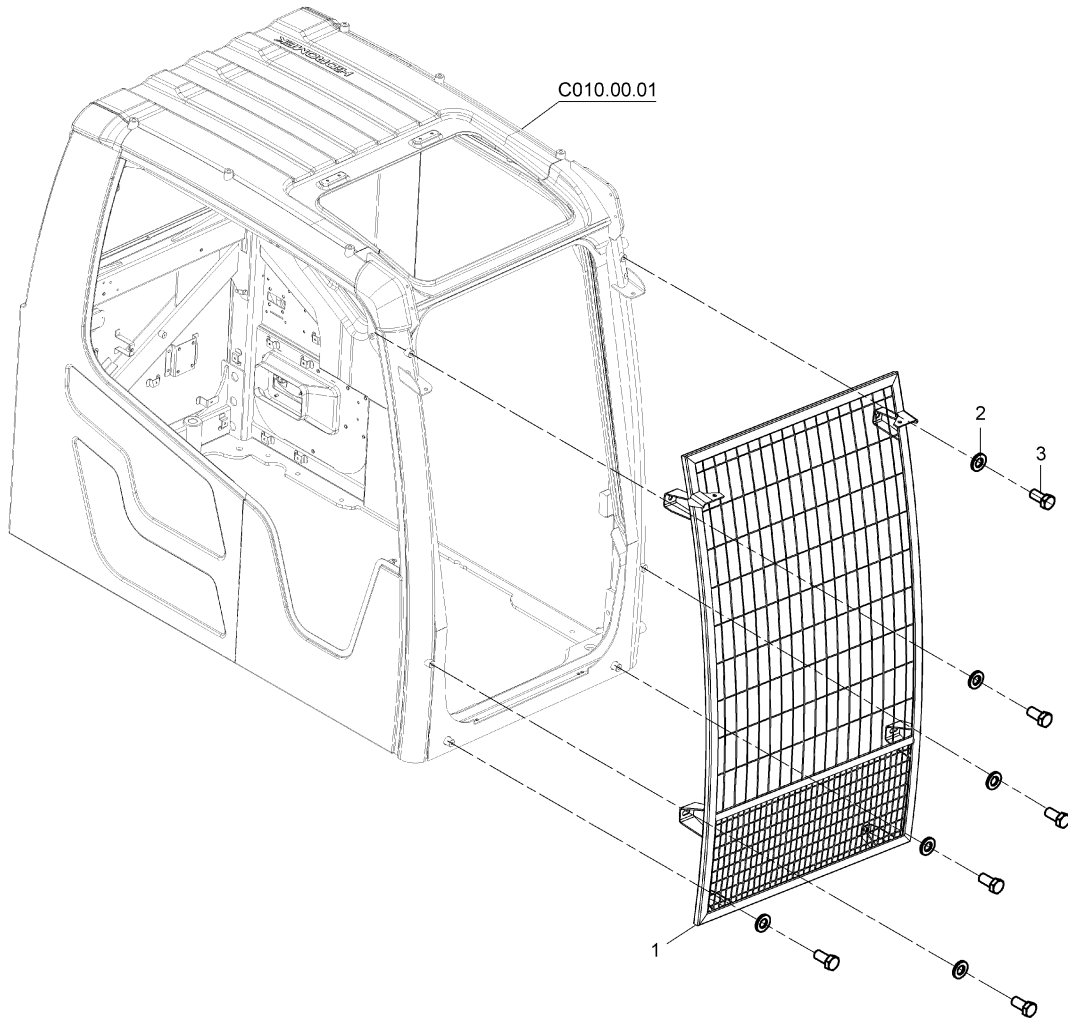
KABİN ÜST KORUMA MONTAJI, FOPS II (OP)
ROOF GUARD MOUNTING, FOPS II (OP)



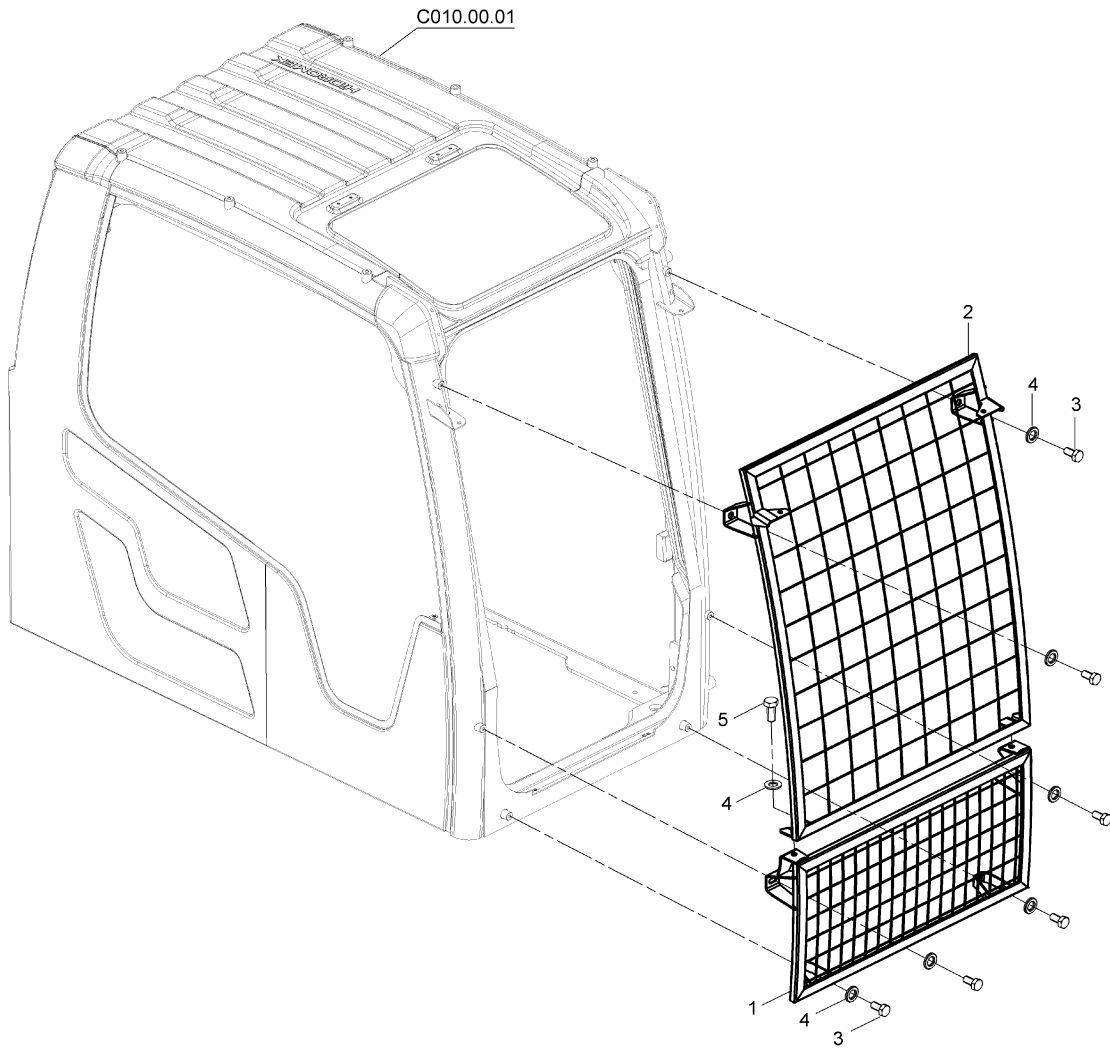
KABİN KORUMA MONTAJI, FOGS (OP)
GUARD MOUNTING, FOGS (OP)



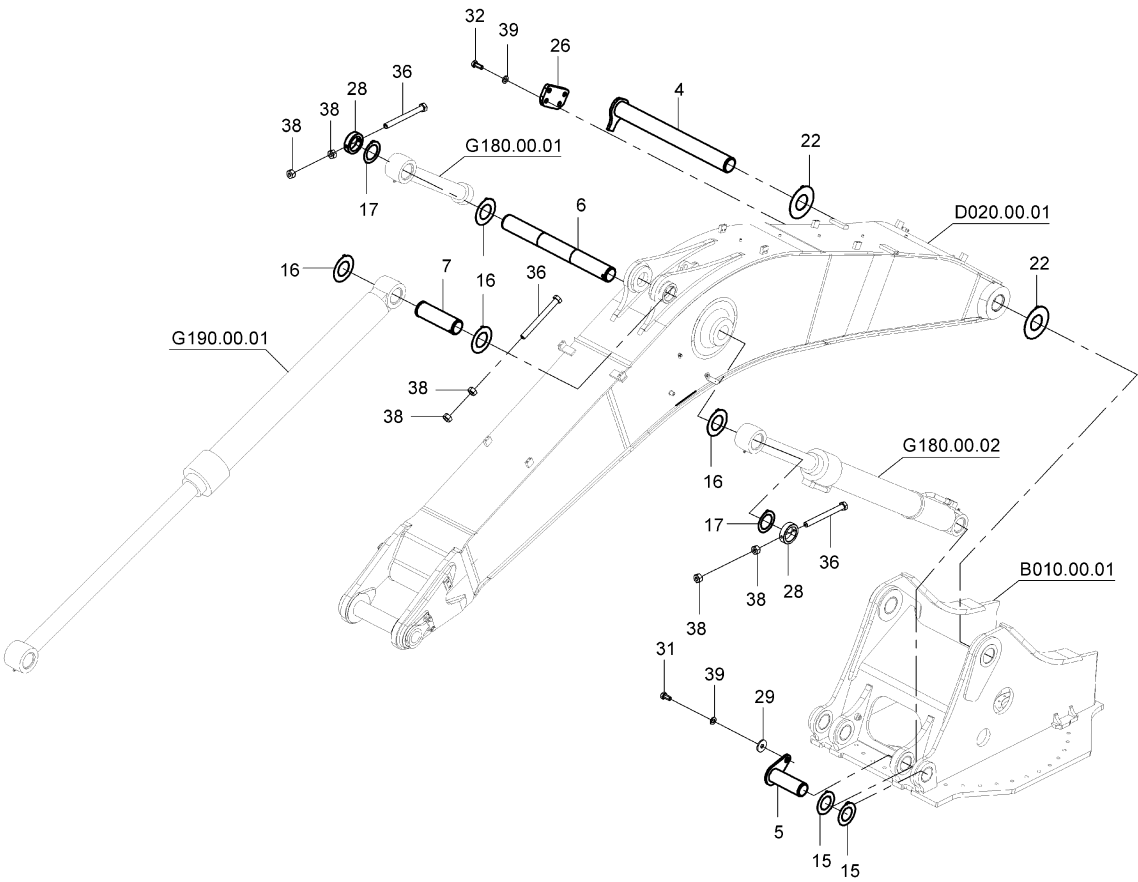
ÖN CAM KORUYUCU MONTAJI ,TAŞ VE MICİR İÇİN (OP)
FRONT GUARD MOUNTING, FOR STONES & DEBRIS (OP)



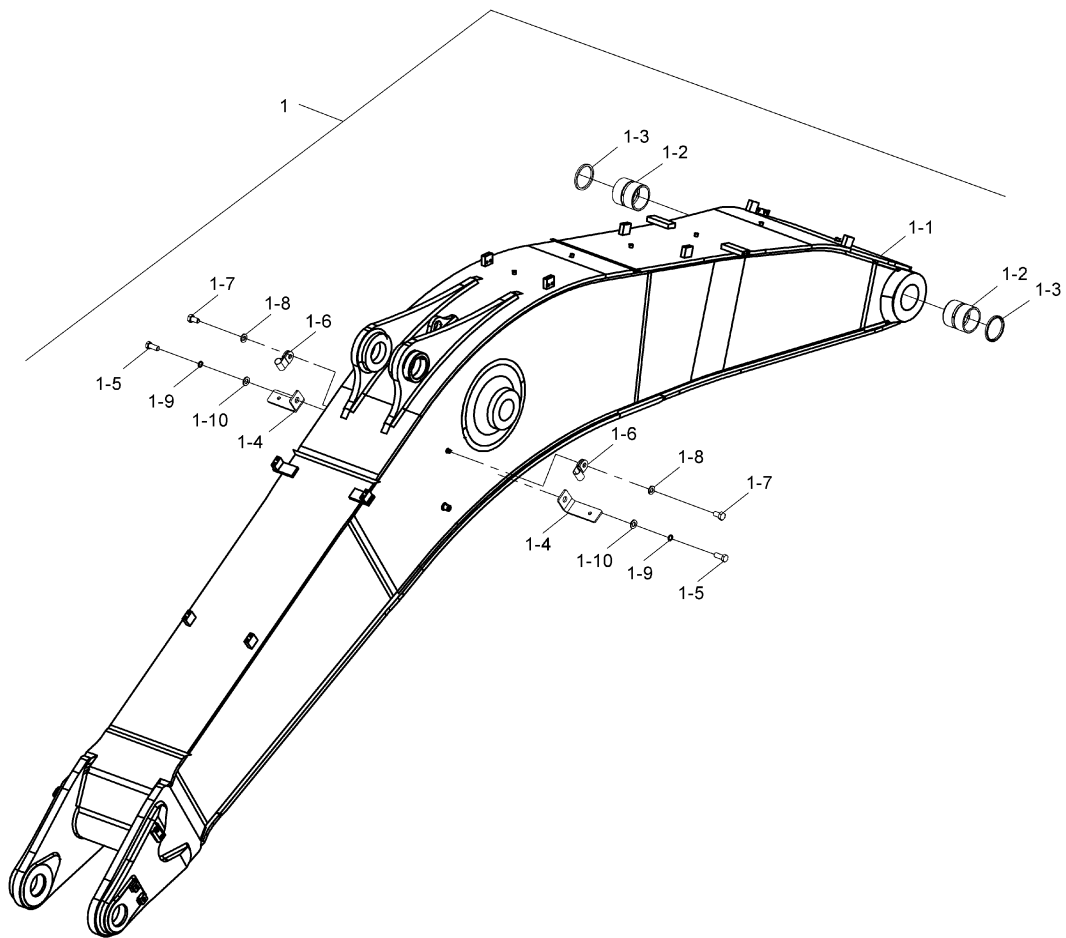
ÖN CAM KORUYUCU MONTAJI, İKİ PARÇALI (OP)
FRONT GUARD MOUNTING, TWO PIECES (OP)



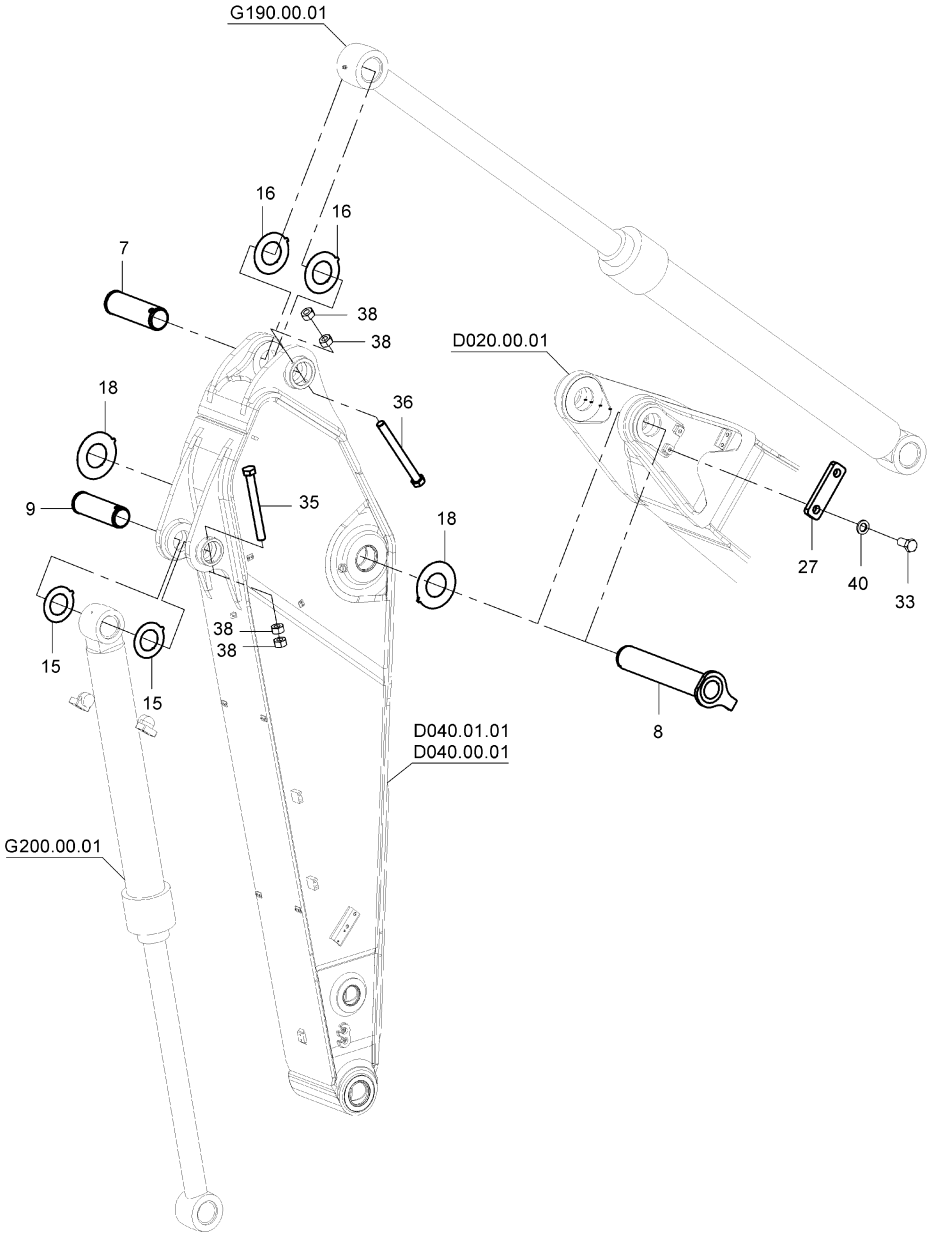
BOM MONTAJI
BOOM MOUNTING



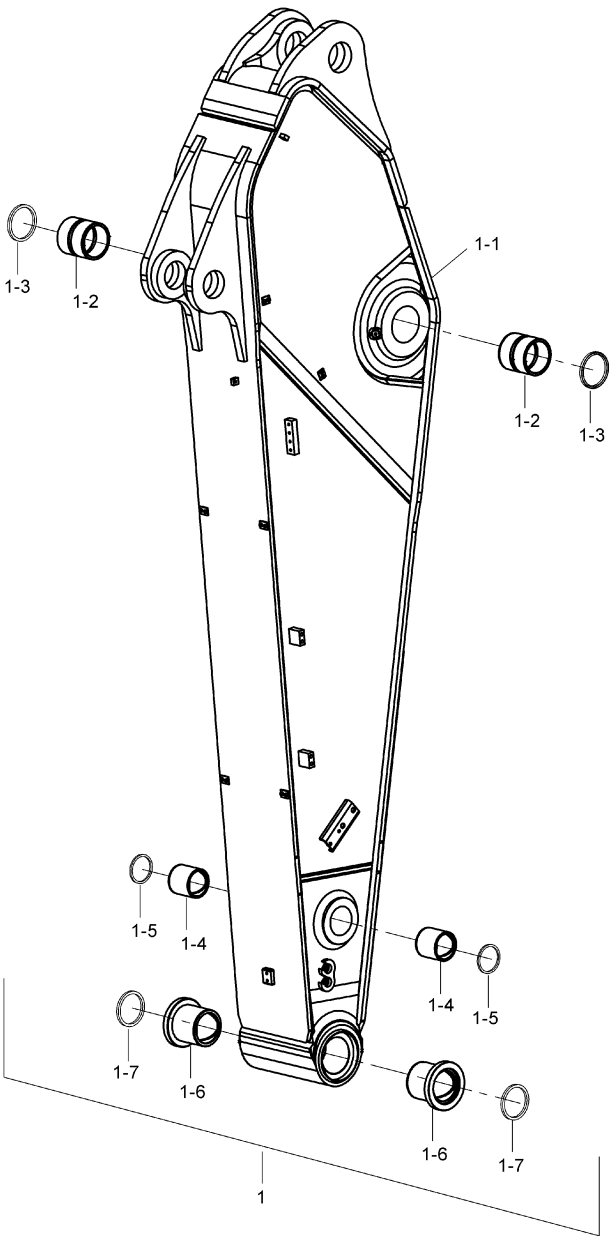
BOM KOMPLESİ (6.55m)
BOOM ASS'Y (6.55m)



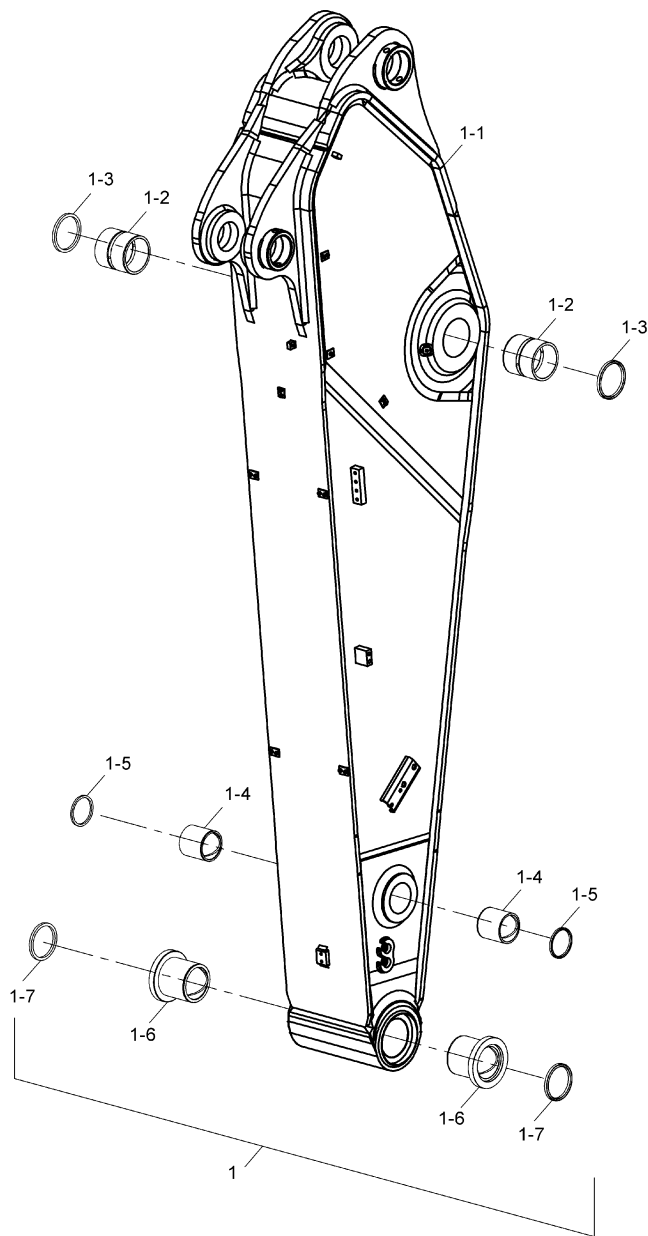
ARM MONTAJI
ARM MOUNTING



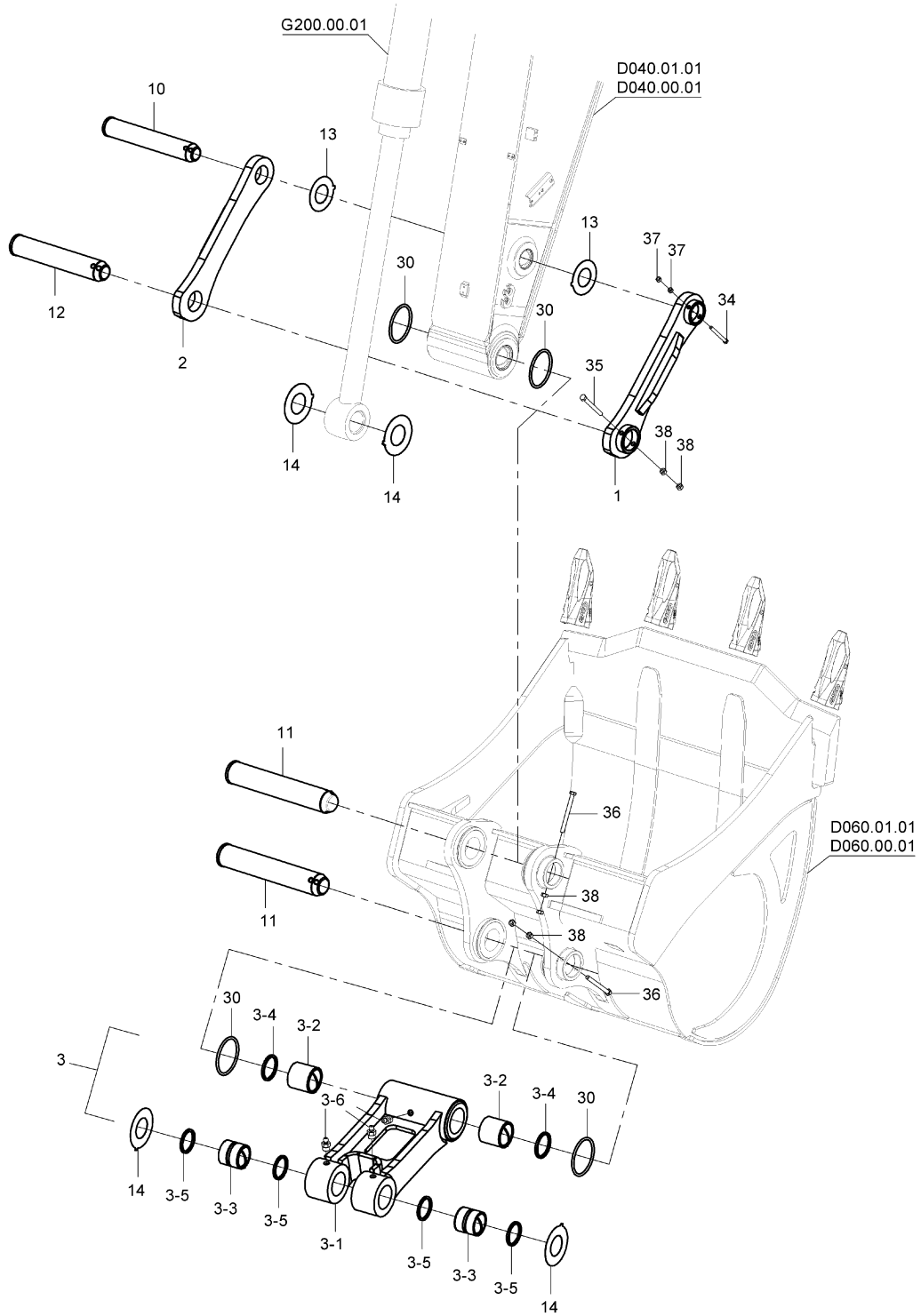
ARM KOMPLESİ (2.9m)
ARM ASS'Y (2.9m)



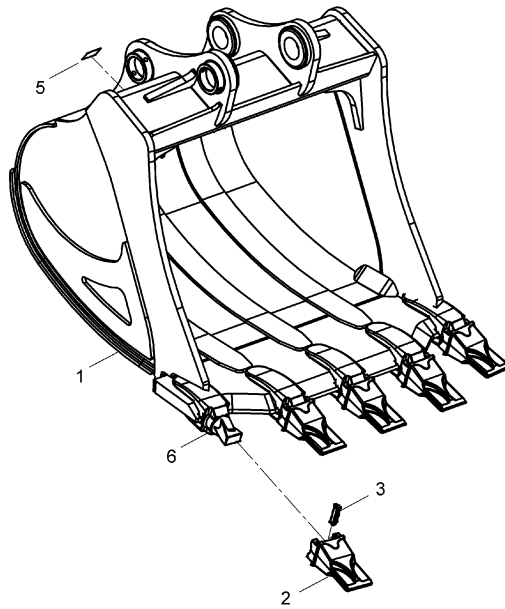
ARM KOMPLESİ (2.65m)
ARM ASS'Y (2.65m)



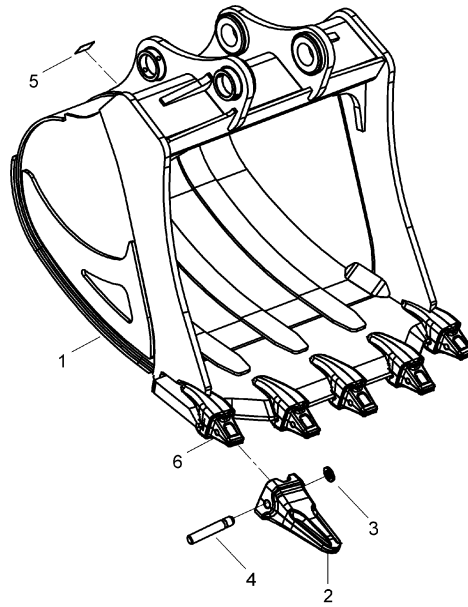
KEPÇE BAĞLANTISI BUCKET LINKAGE



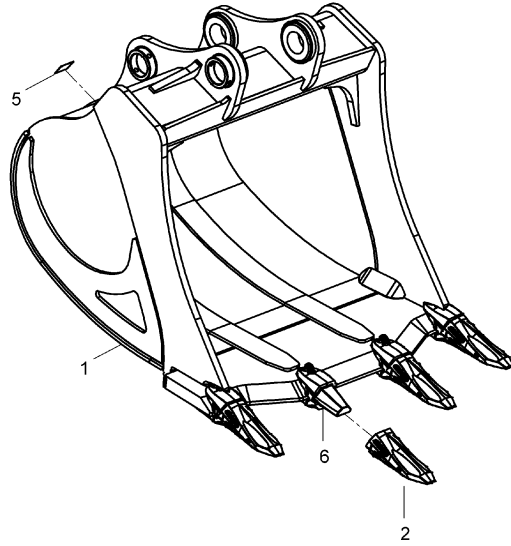
KEPÇE, DUAL RADÜS (2.7m³)
BUCKET, DUAL RADIUS (2.7m³)



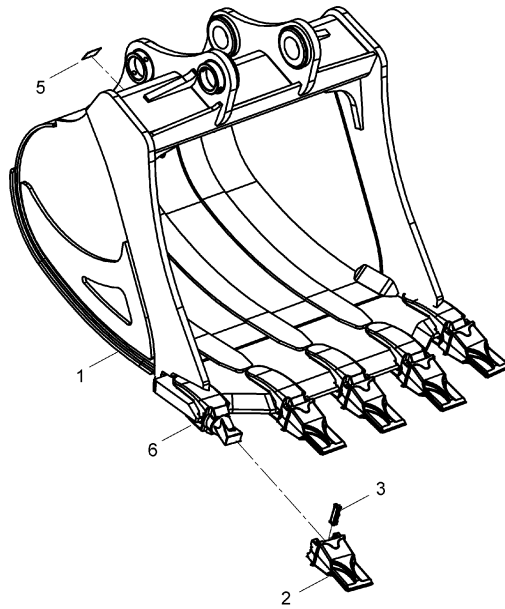
KEPÇE, DUAL RADÜS (2.7m³)
BUCKET, DUAL RADIUS (2.7m³)



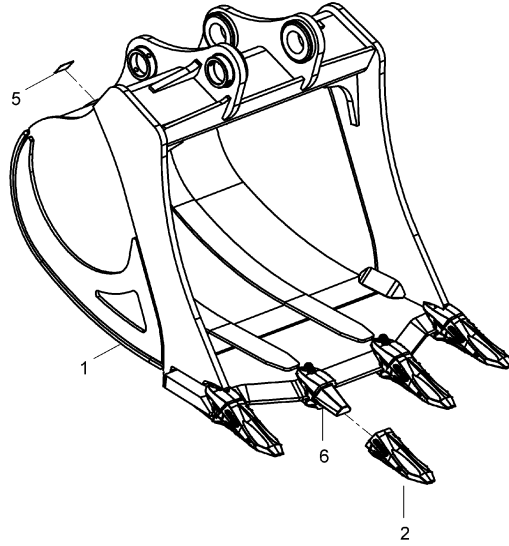
KEPÇE, DUAL RADÜS (2.7m³)
BUCKET, DUAL RADIUS (2.7m³)



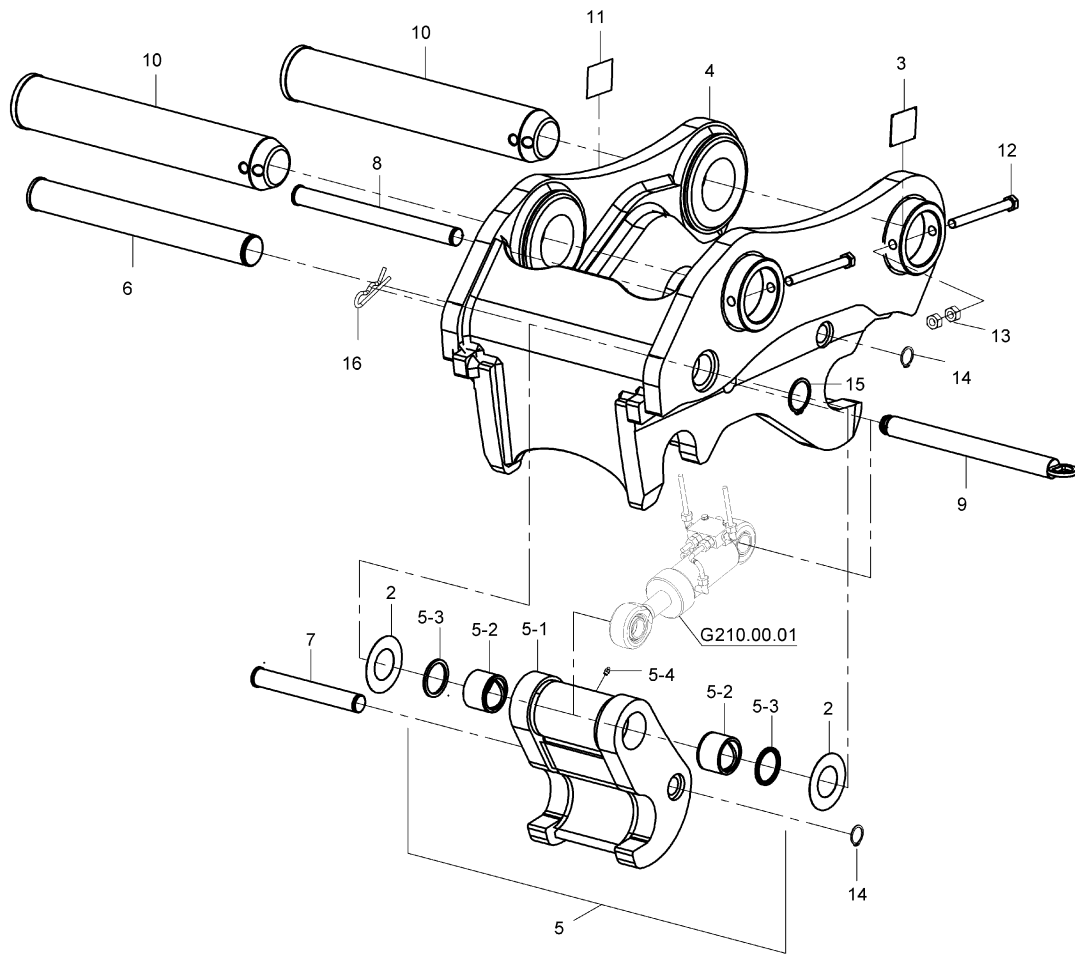
KEPÇE, DUAL RADÜS (3m³)
BUCKET, DUAL RADIUS (3m³)



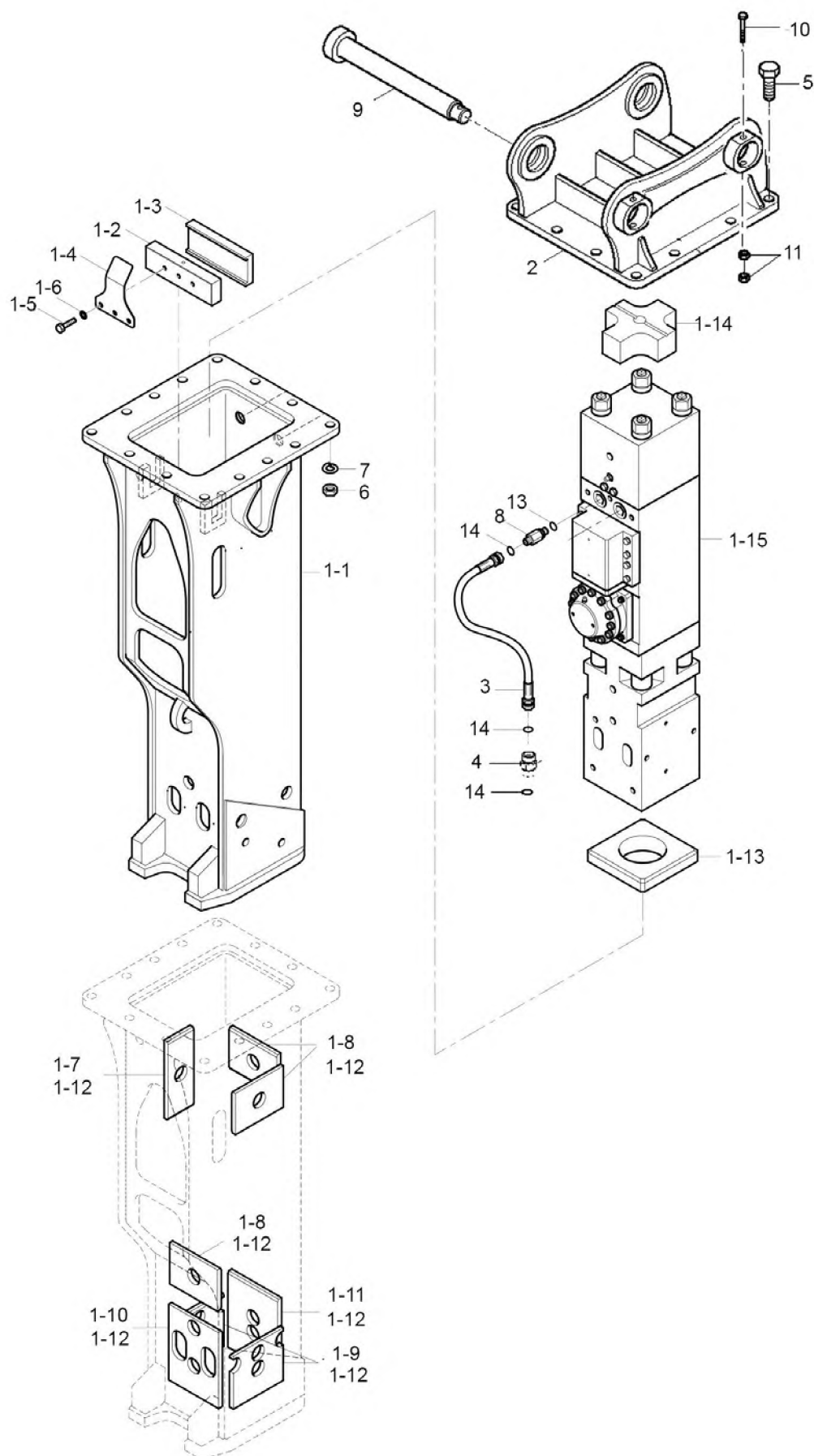
KEPÇE, DUAL RADÜS (3m³)
BUCKET, DUAL RADIUS (3m³)



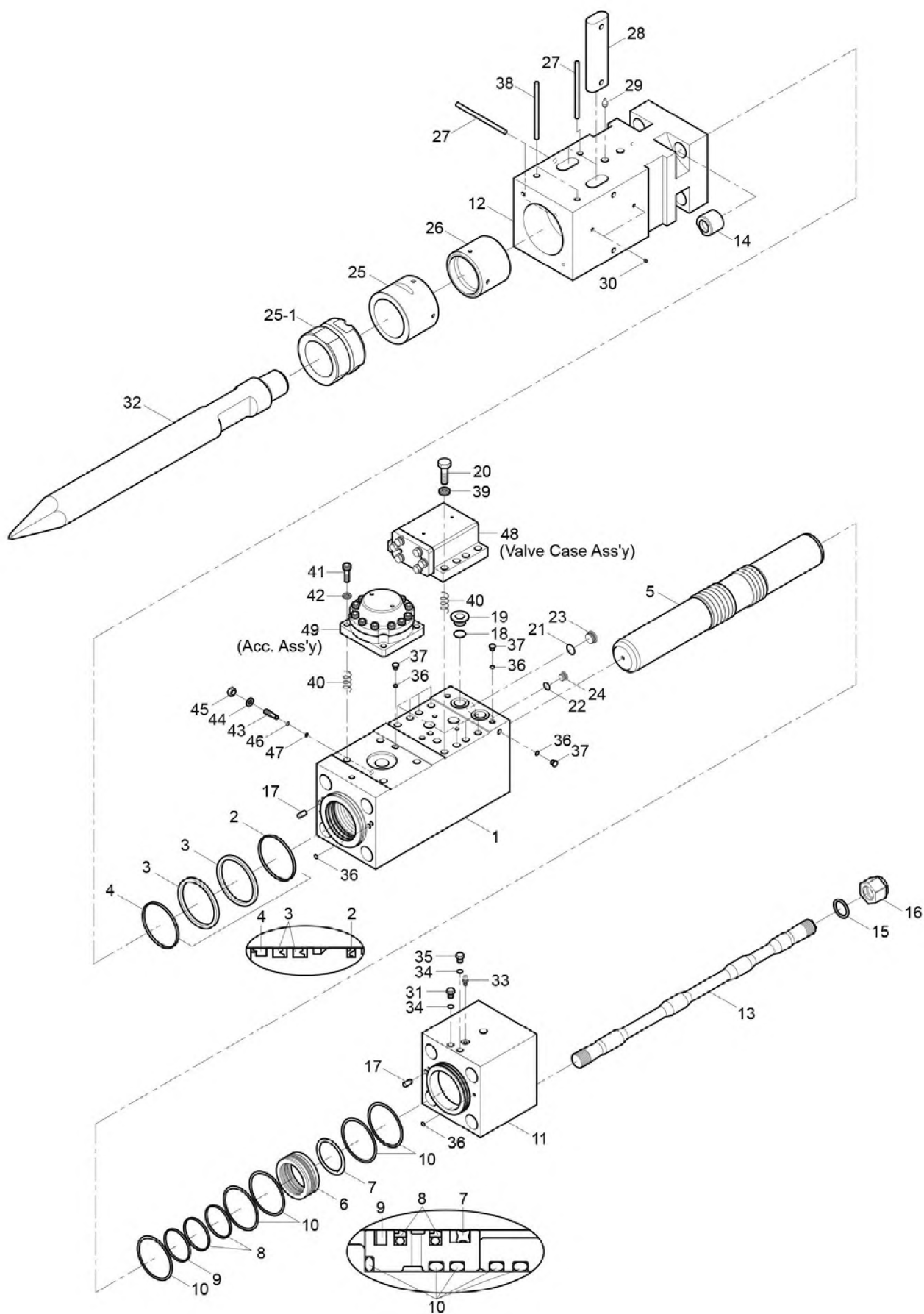
ÇABUK SÖK-TAK KOMPLESİ (OP)
QUICK COUPLER ASS'Y (OP)



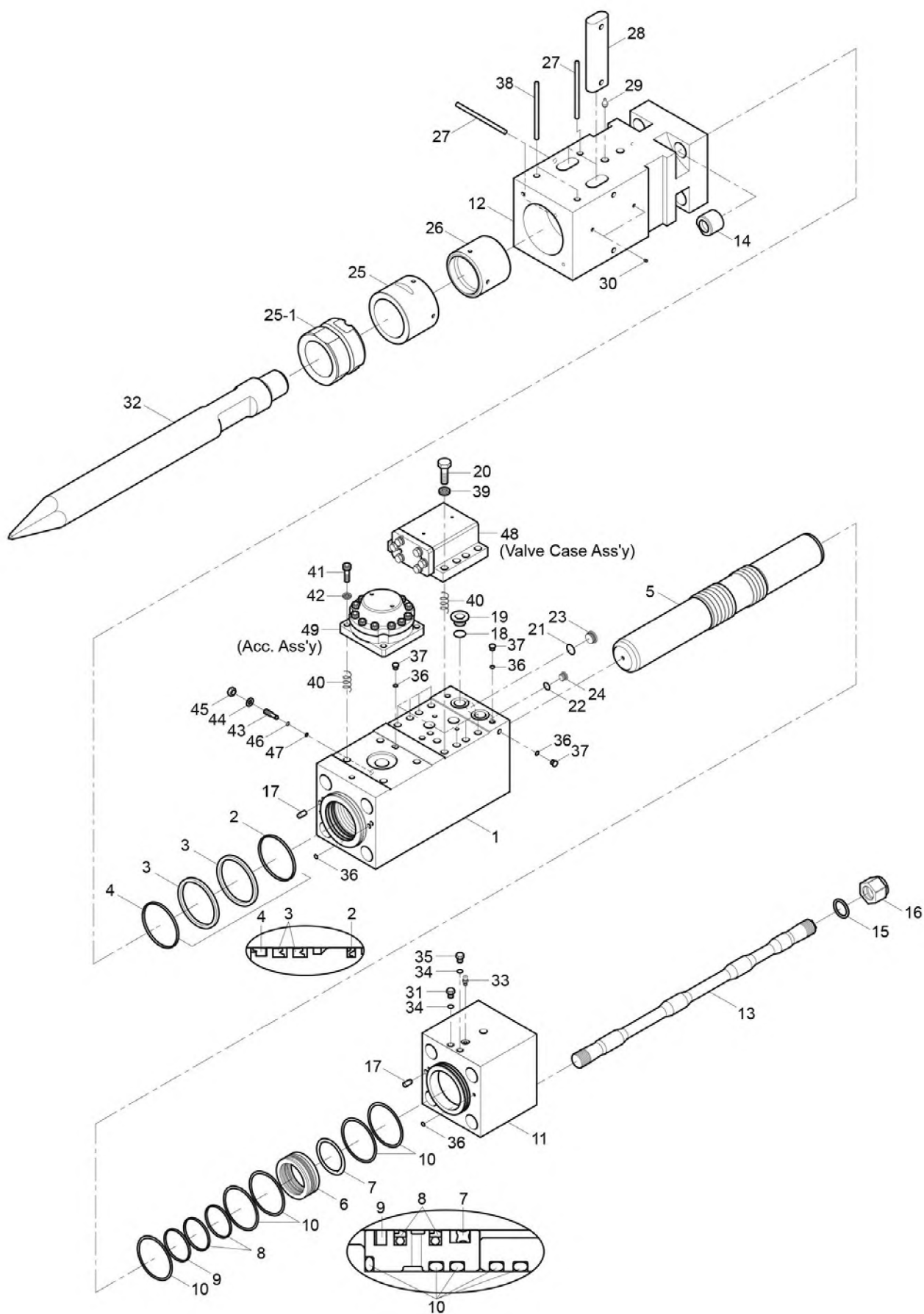
KIRICI MONTAJI (B360, OP) BREAKER MOUNTING (B360, OP)



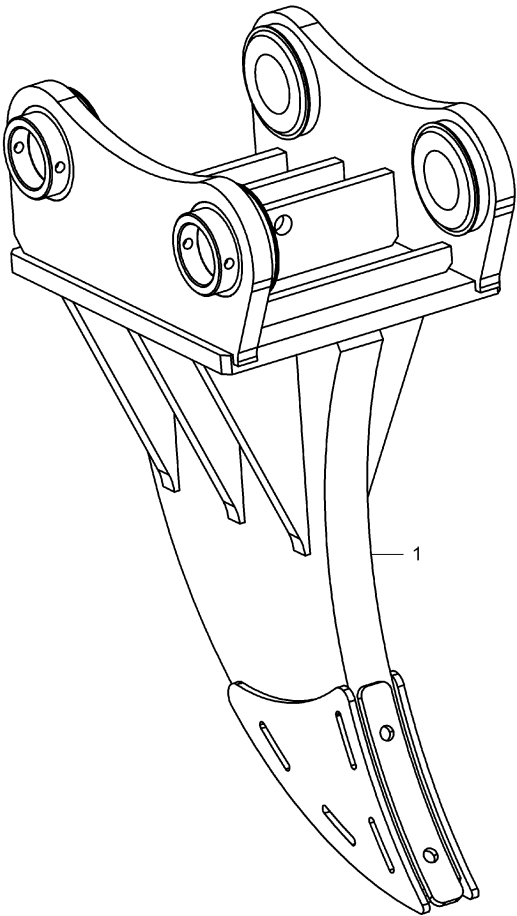
KIRICI KOMPLESİ (B360, OP) BREAKER ASS'Y (B360, OP)



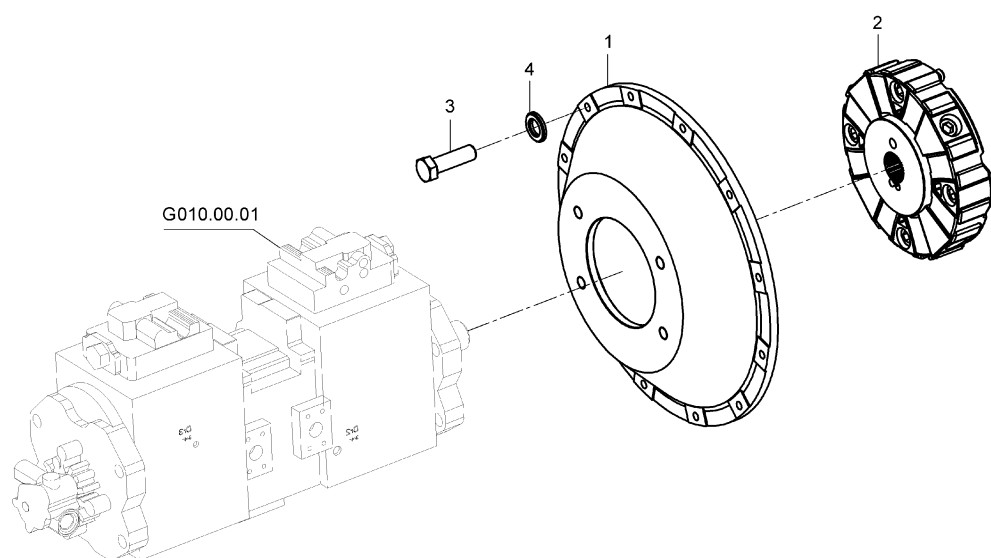
KIRICI KOMPLESİ (B360, OP) BREAKER ASS'Y (B360, OP)



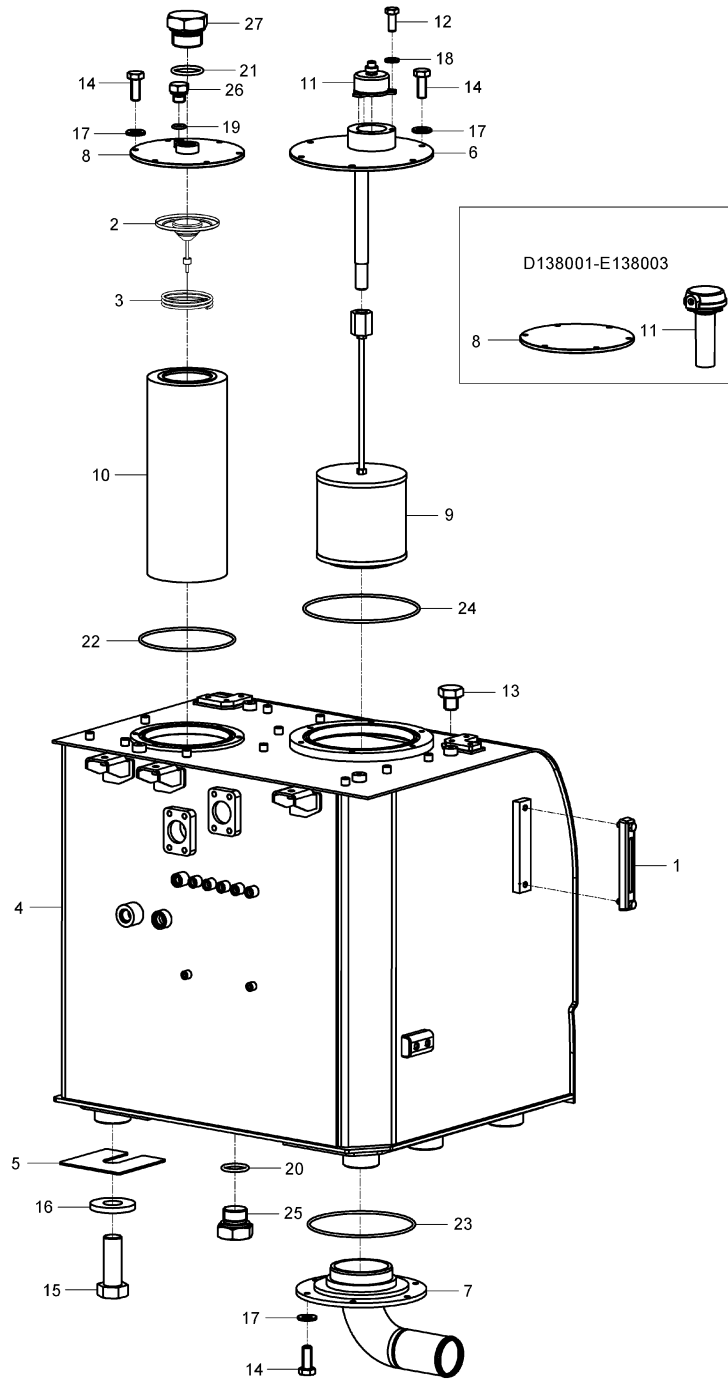
RİPER (OP)
RIPPER (OP)



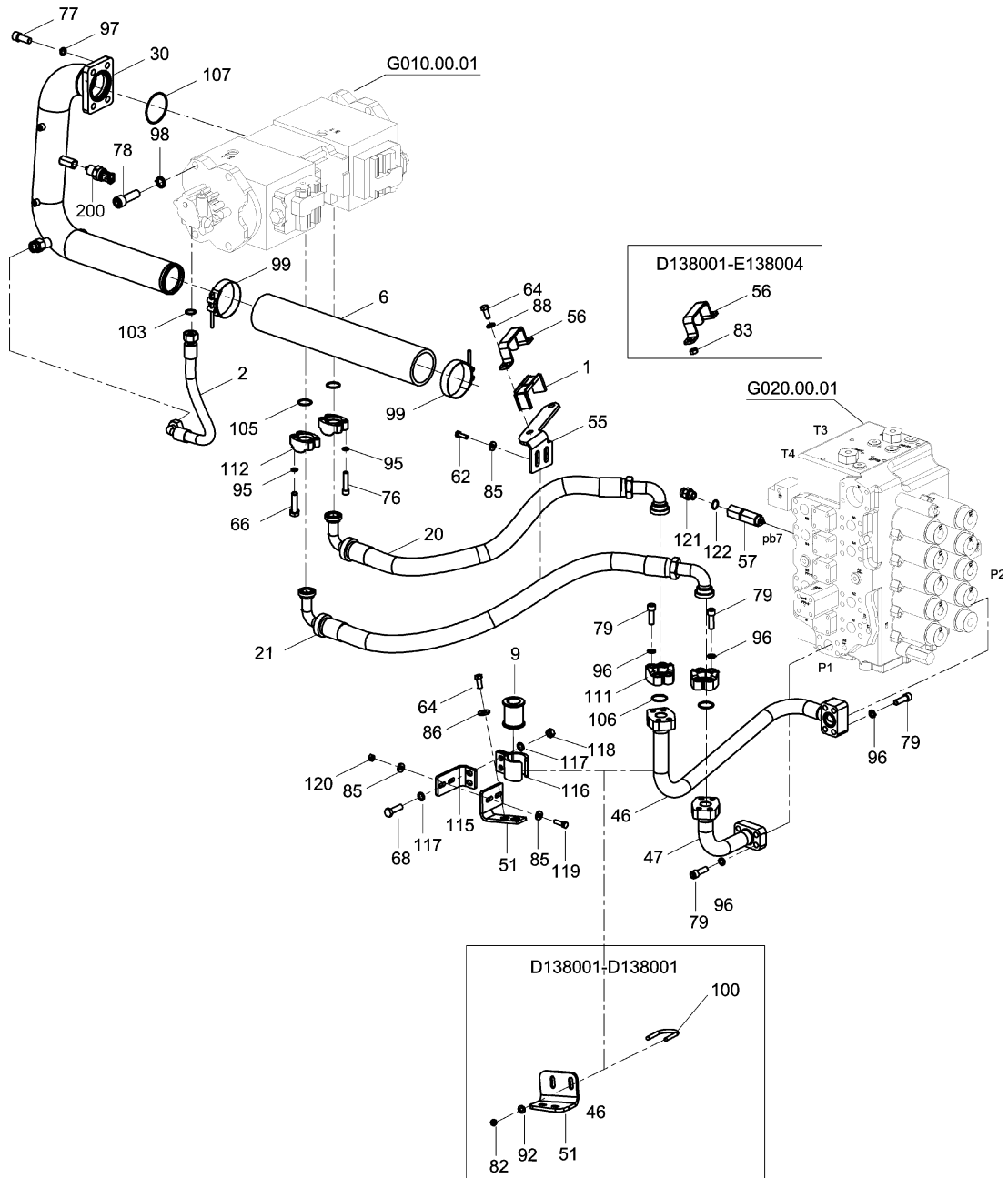
HİDROLİK POMPA MONTAJI HYDRAULIC PUMP MOUNTING



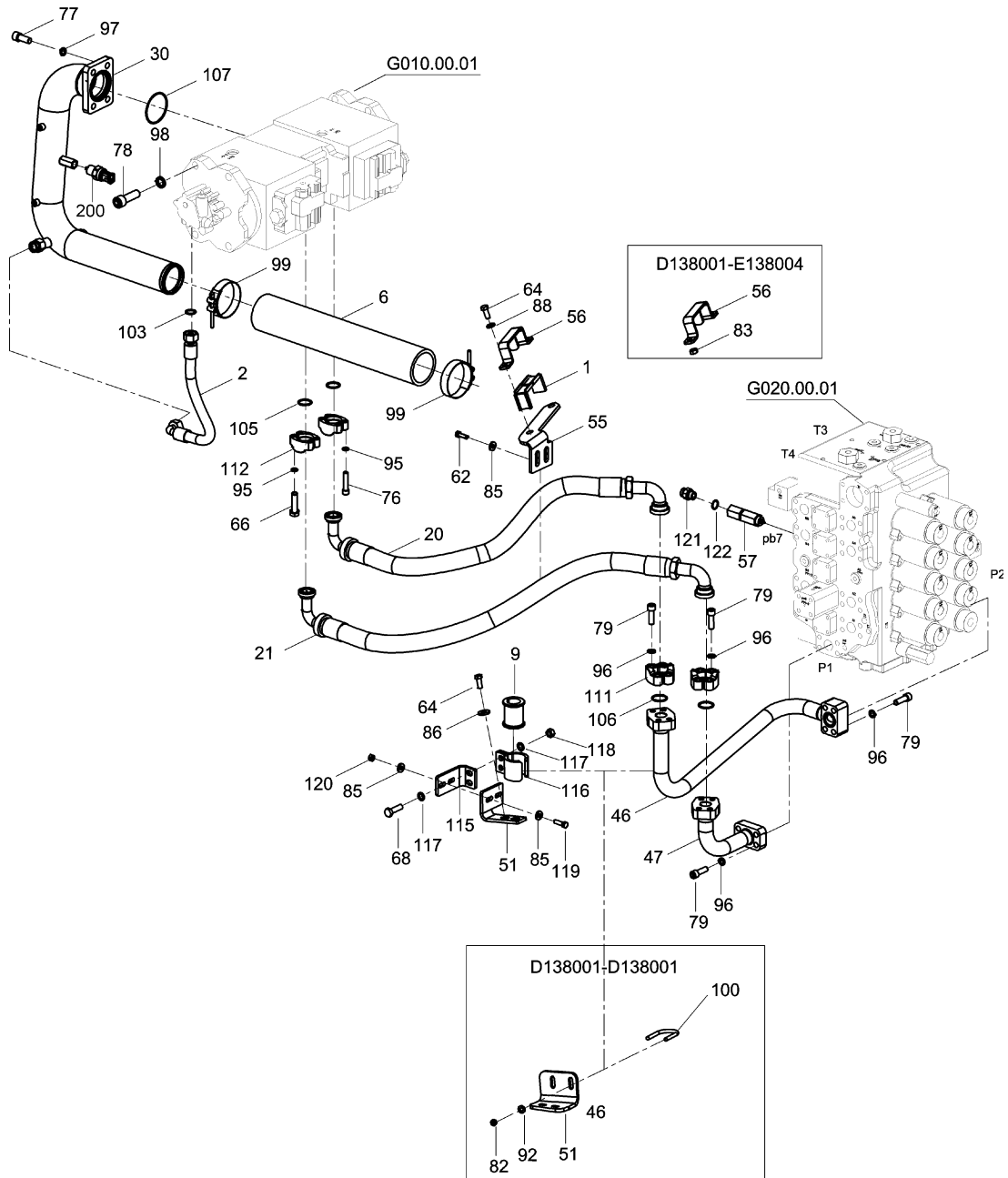
HİDROLİK TANK MONTAJI HYDRAULIC TANK ASS'Y



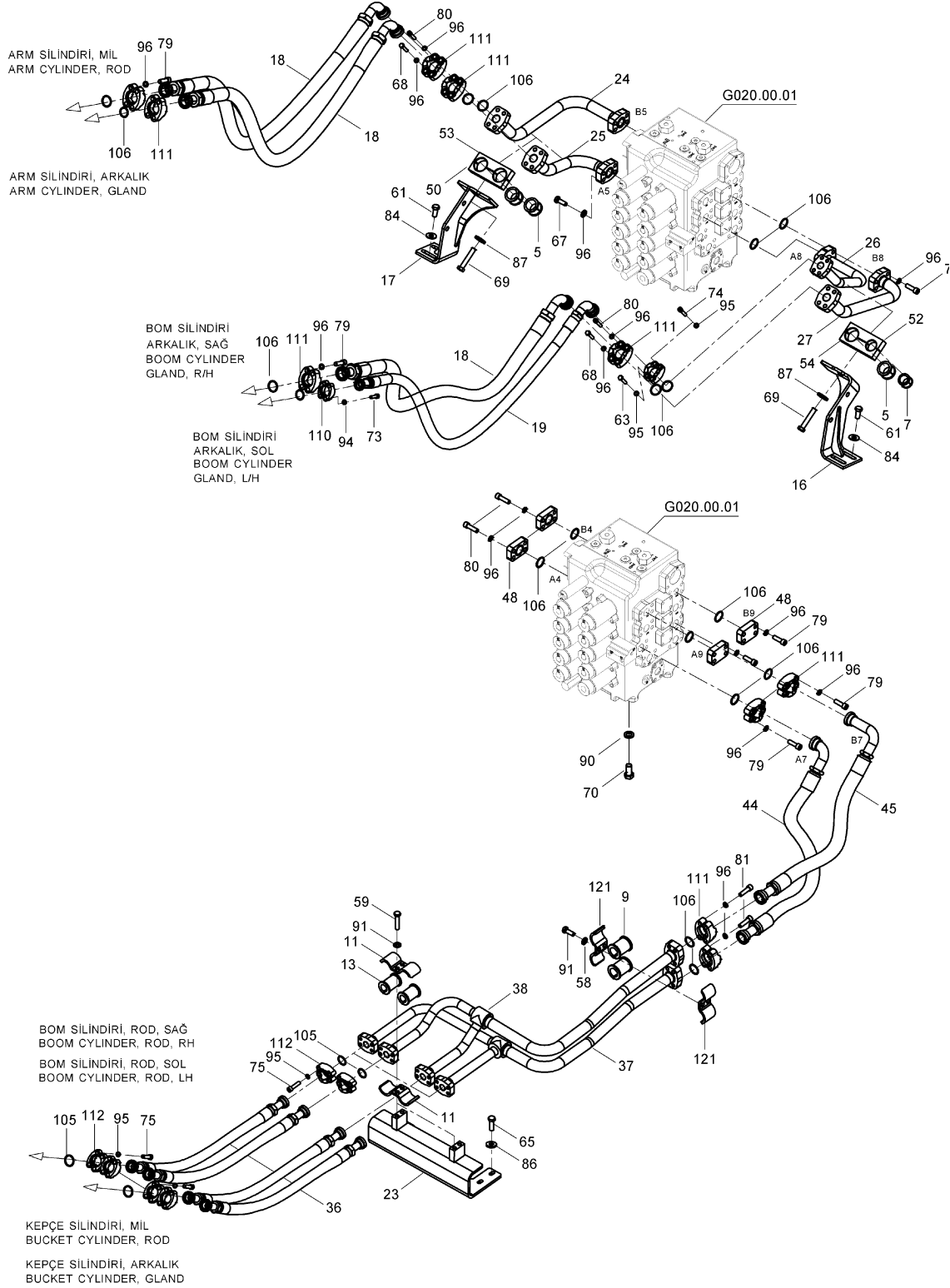
ÜST ŞASI HİDROLİK TESİSATI, ANA UPPER FRAME HYD. PIPING, BASE



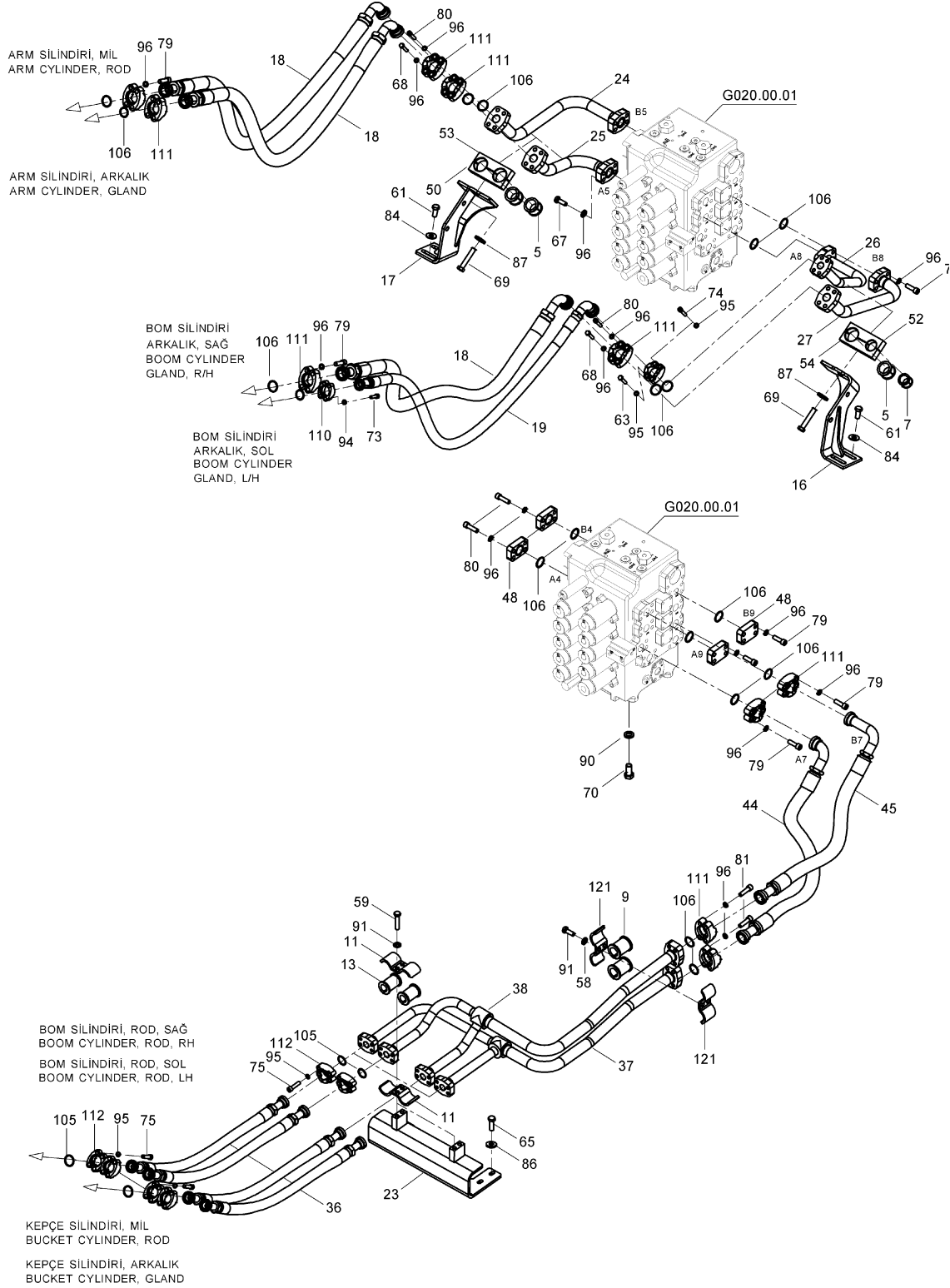
ÜST ŞASI HİDROLİK TESİSATI, ANA UPPER FRAME HYD. PIPING, BASE



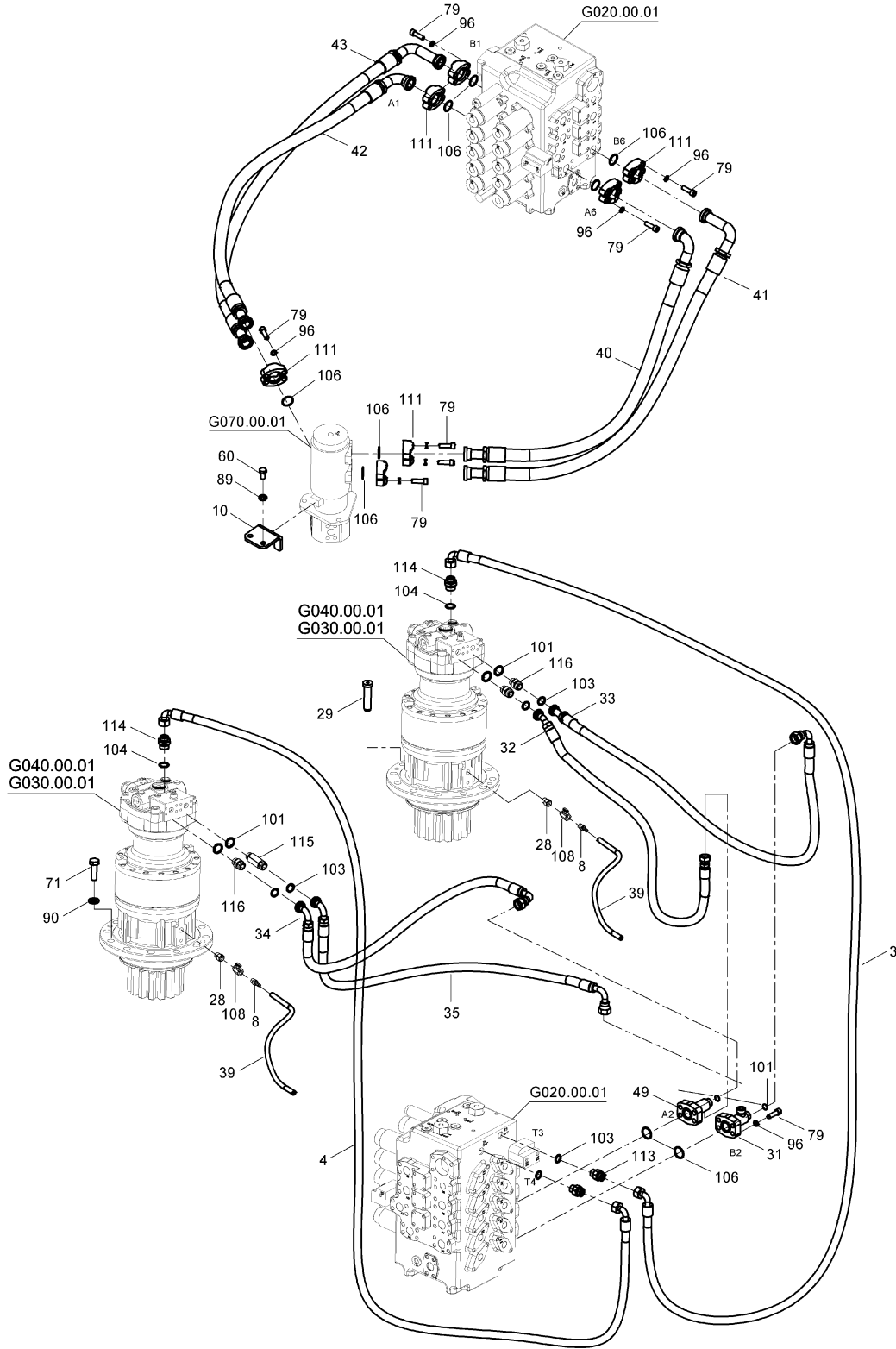
ÜST ŞASI HİDROLİK TESİSATI, ATAŞMAN UPPER FRAME HYD. PIPING, ATTACHMENT



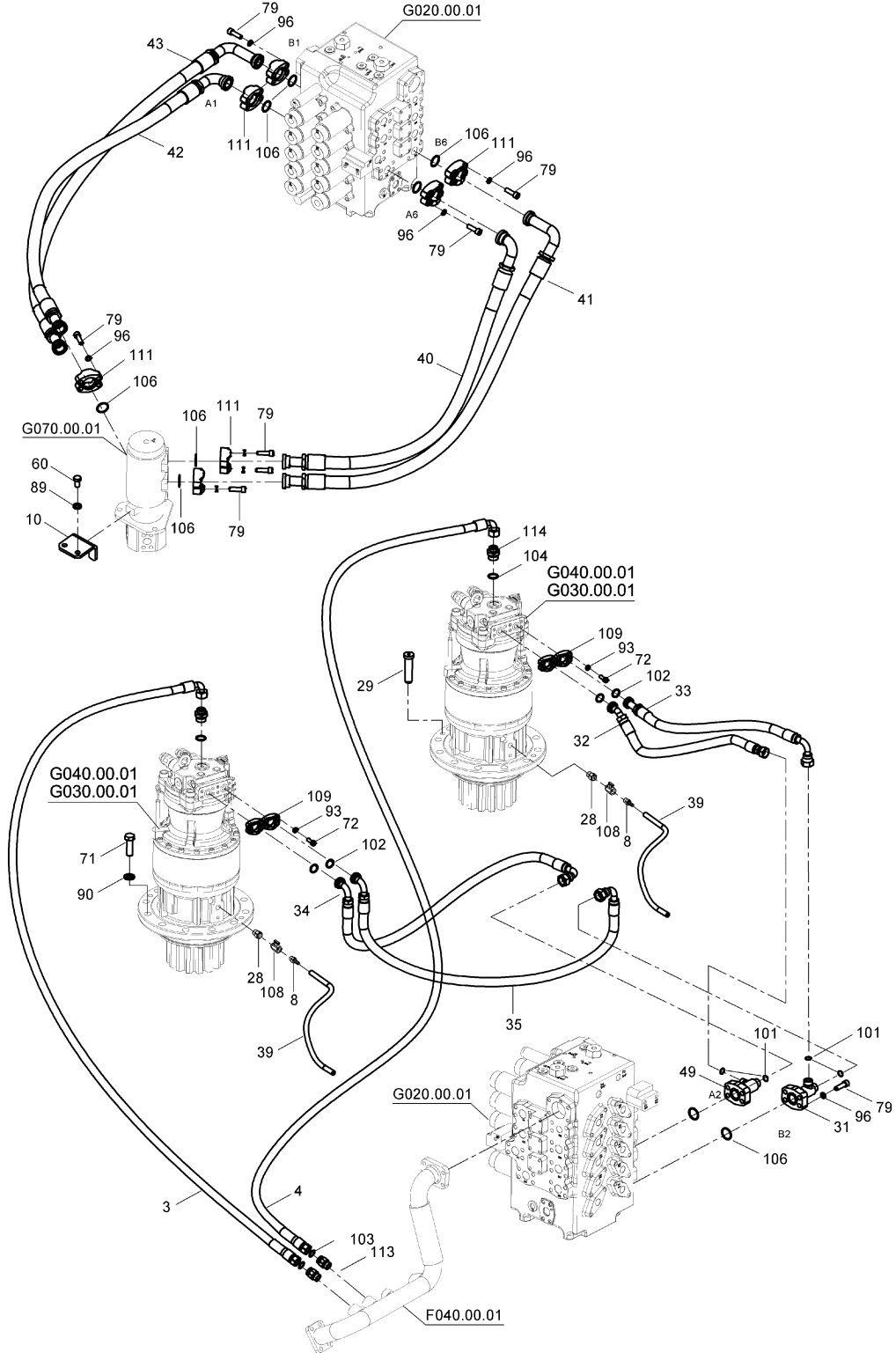
ÜST ŞASI HİDROLİK TESİSATI, ATAŞMAN UPPER FRAME HYD. PIPING, ATTACHMENT



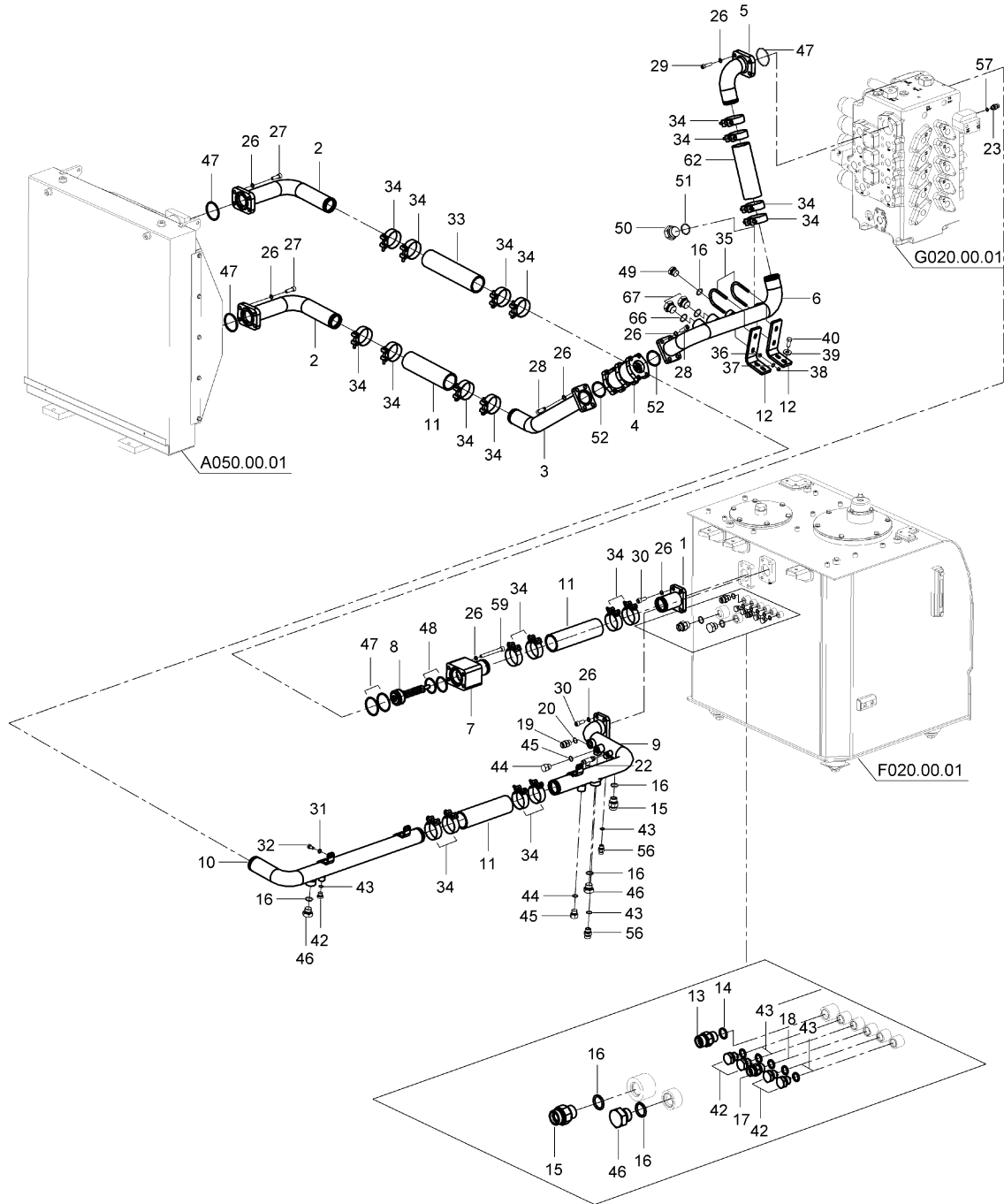
ÜST ŞASI HİDROLİK TESİSATI, YÜRÜYÜŞ VE DÖNÜŞ UPPER FRAME HYD. PIPING, TRAVEL&SWING



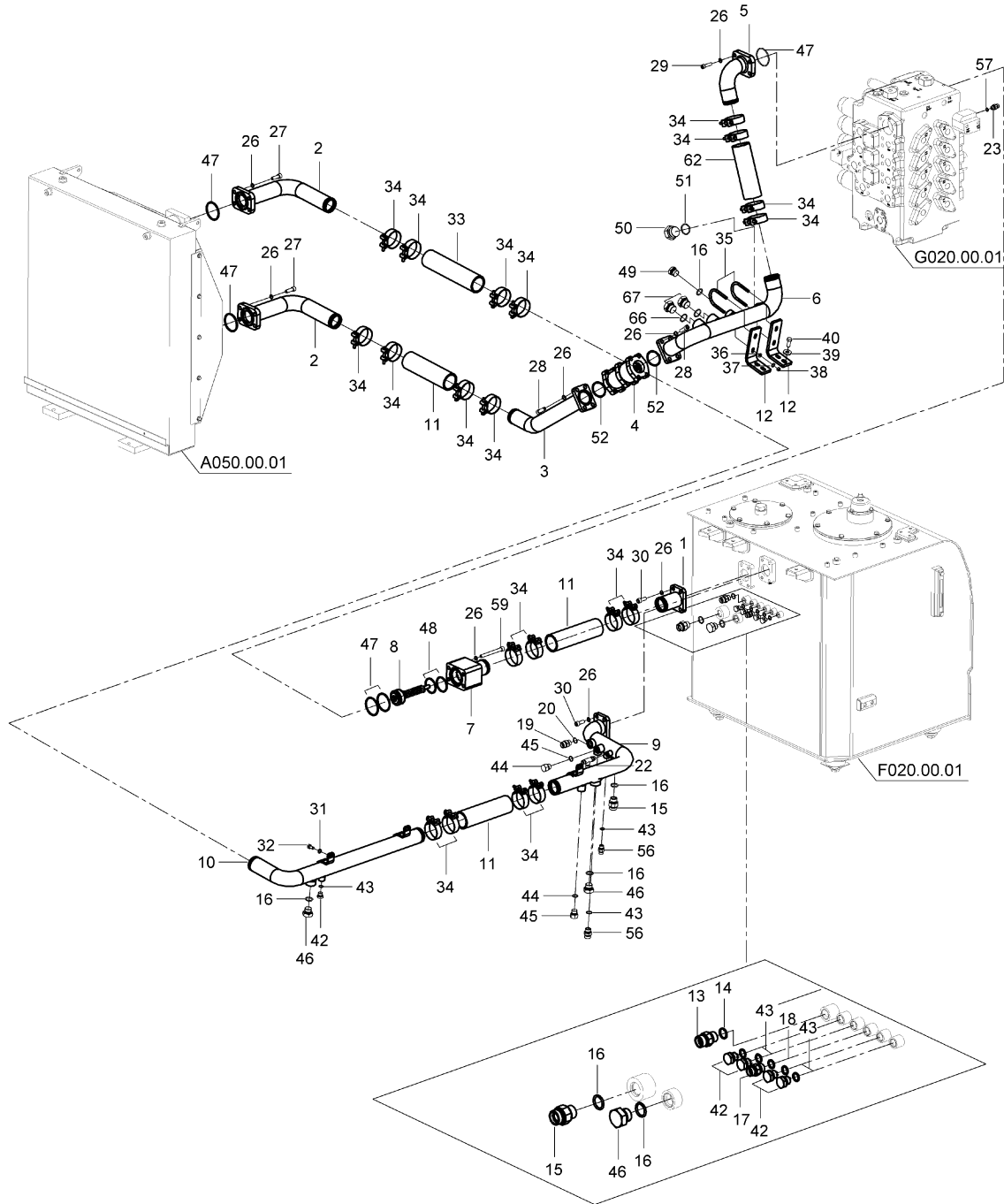
ÜST ŞASI HİDROLİK TESİSATI, YÜRÜYÜŞ VE DÖNÜŞ UPPER FRAME HYD. PIPING, TRAVEL&SWING



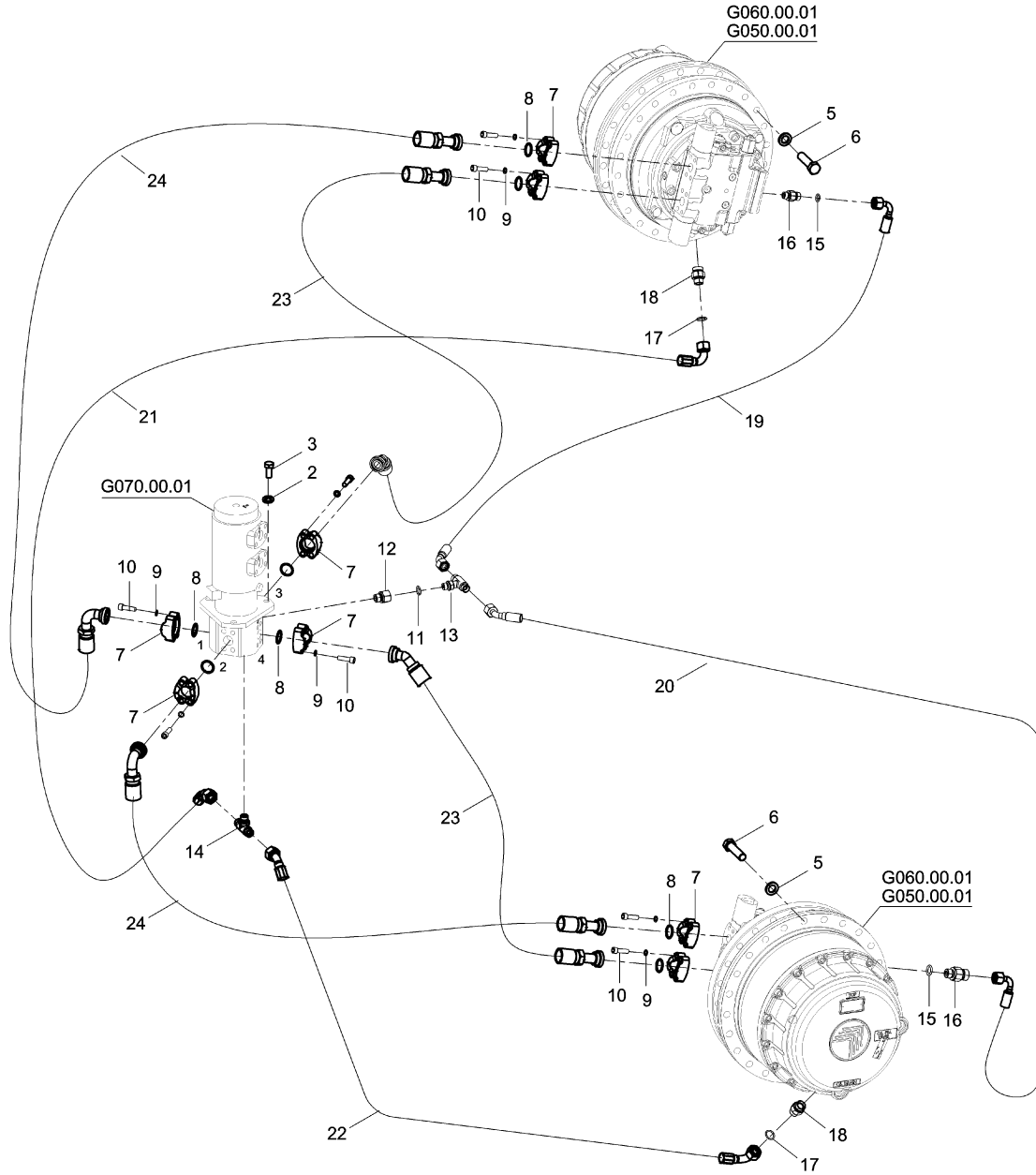
ÜST ŞASI DÖNÜŞ VE SIZINTI HATTI HİDROLİK TESİSATI UPPER FRAME DRAIN AND RETURN HYD. PIPING



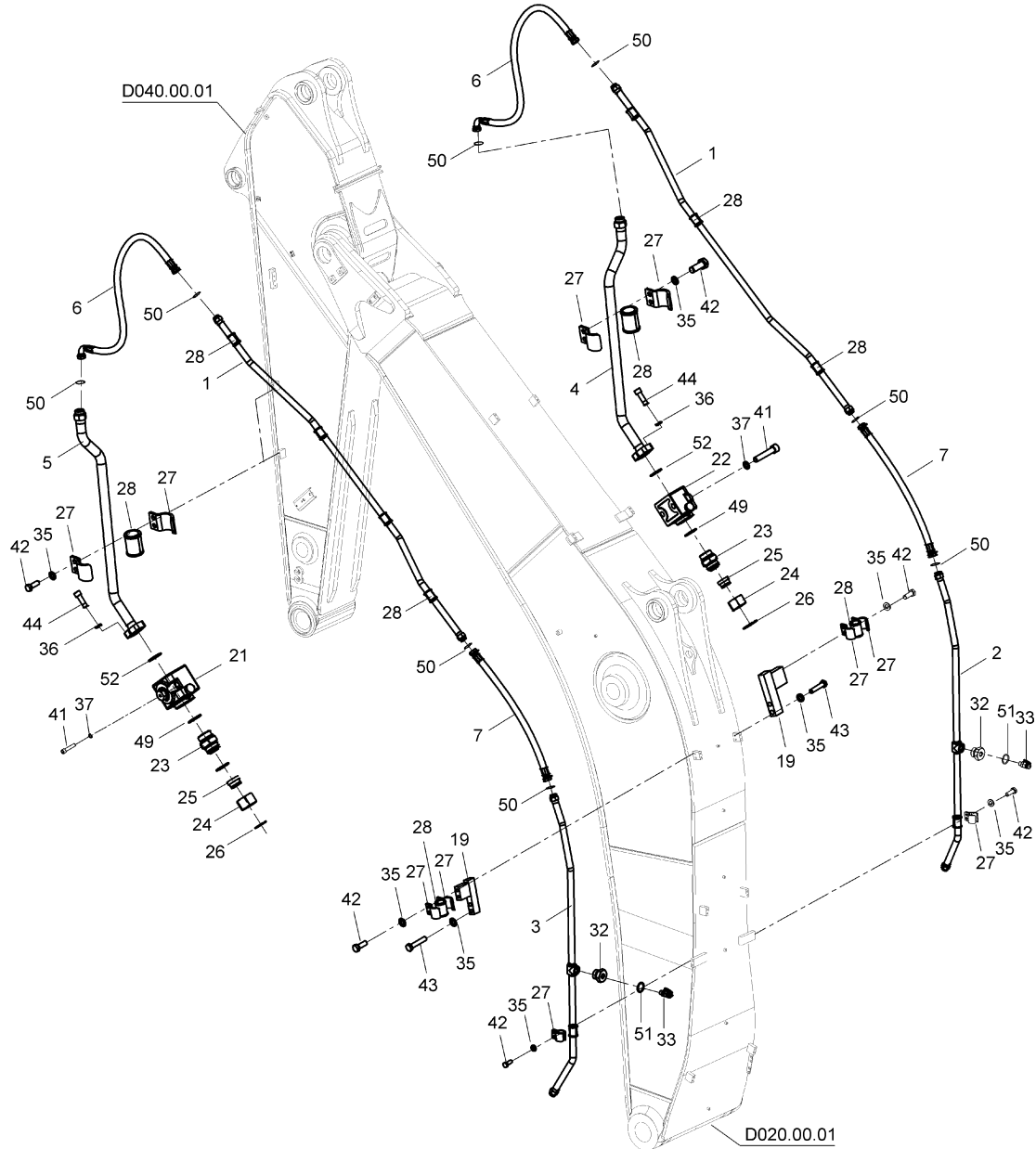
ÜST ŞASI DÖNÜŞ VE SIZINTI HATTI HİDROLİK TESİSATI UPPER FRAME DRAIN AND RETURN HYD. PIPING



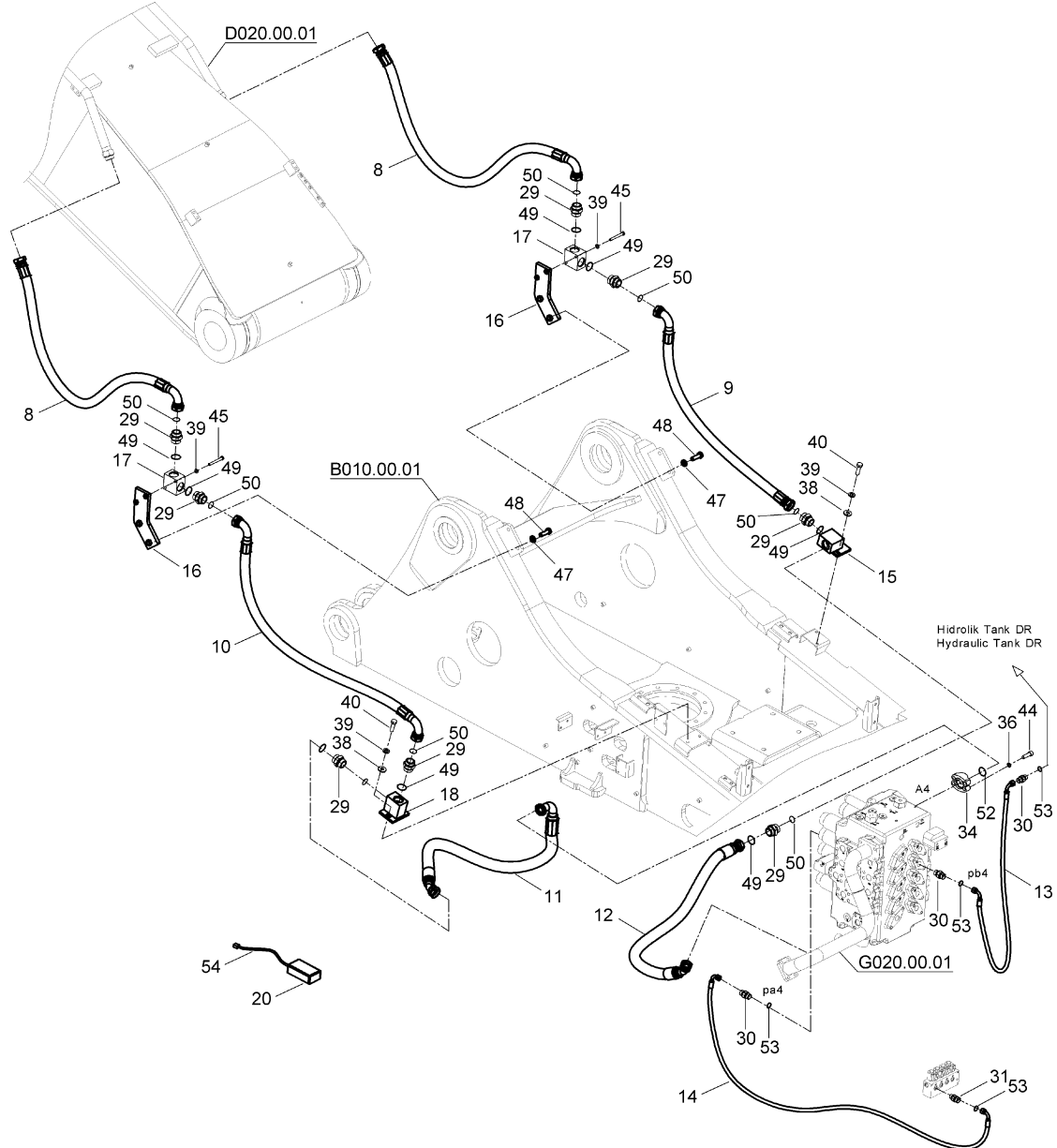
ALT ŞASI HİDROLİK TESİSATI (TİP A)
LOWER FRAME HYD. PIPING (TYPE A)



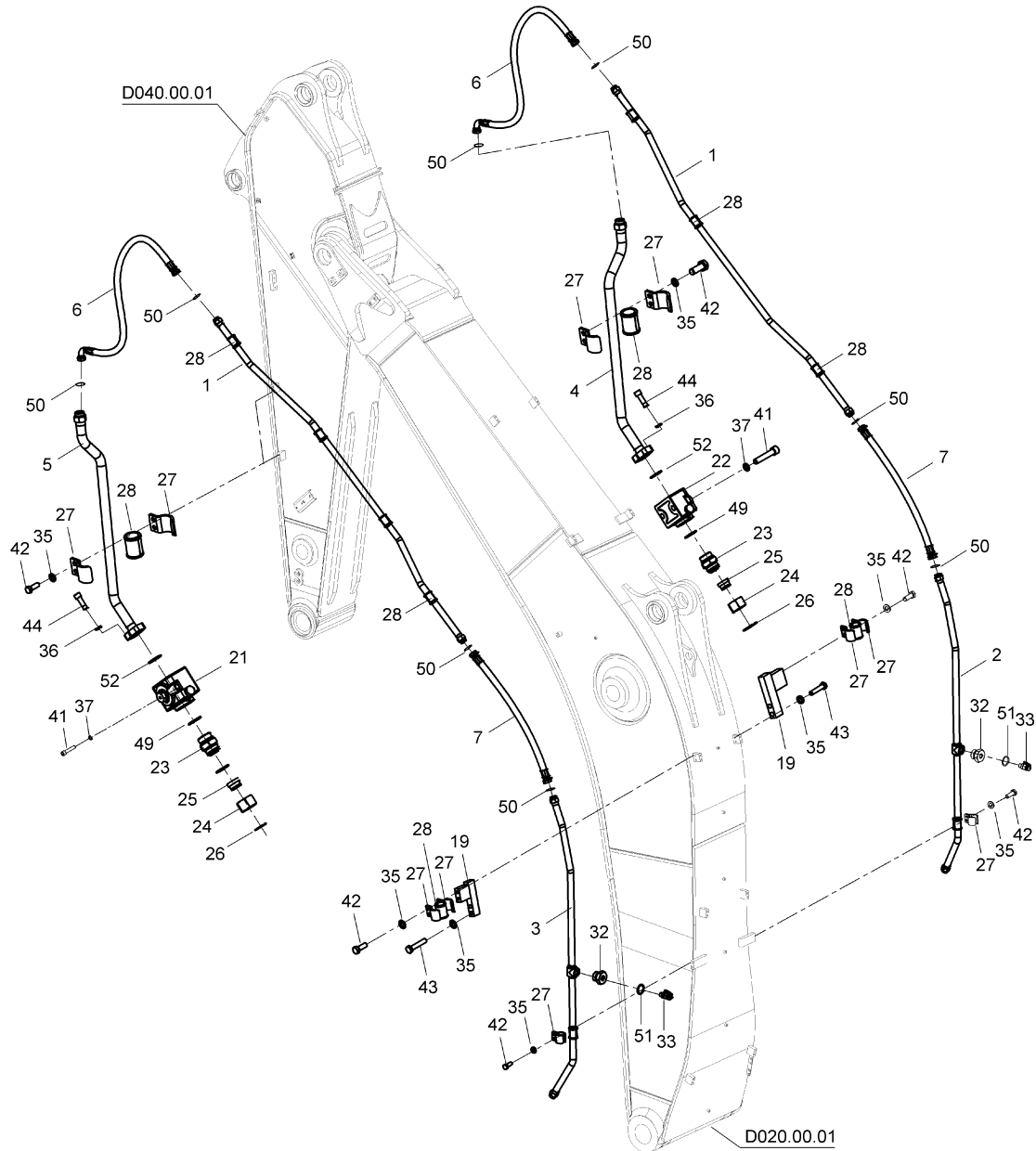
TEK ETKİLİ HİDROLİK TESİSATI 1 (2.9m, OP)
SINGLE ACTING HYD. PIPING 1 (2.9m, OP)



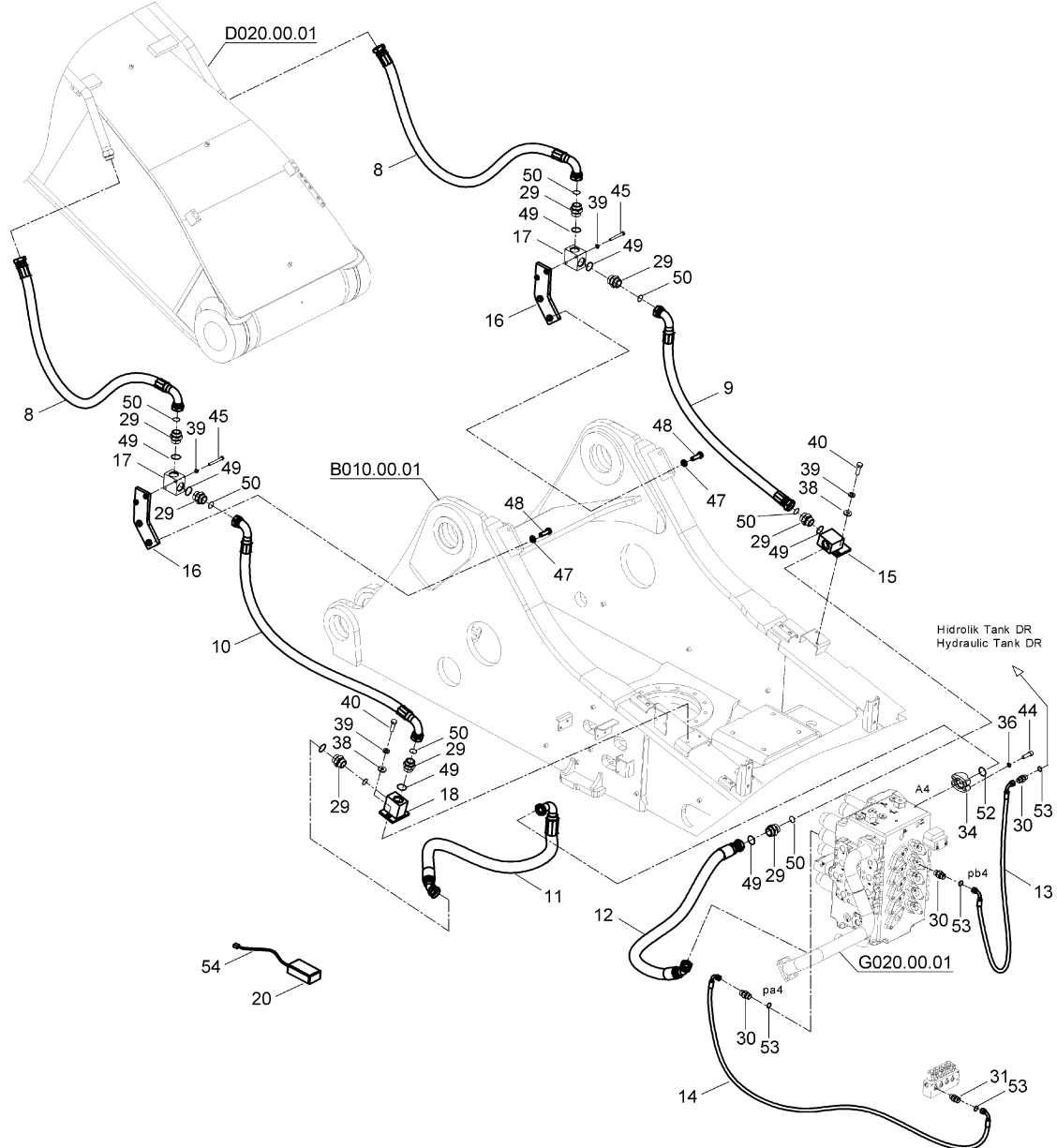
TEK ETKİLİ HİDROLİK TESİSATI 1 (2.9m, OP)
SINGLE ACTING HYD. PIPING 1 (2.9m, OP)



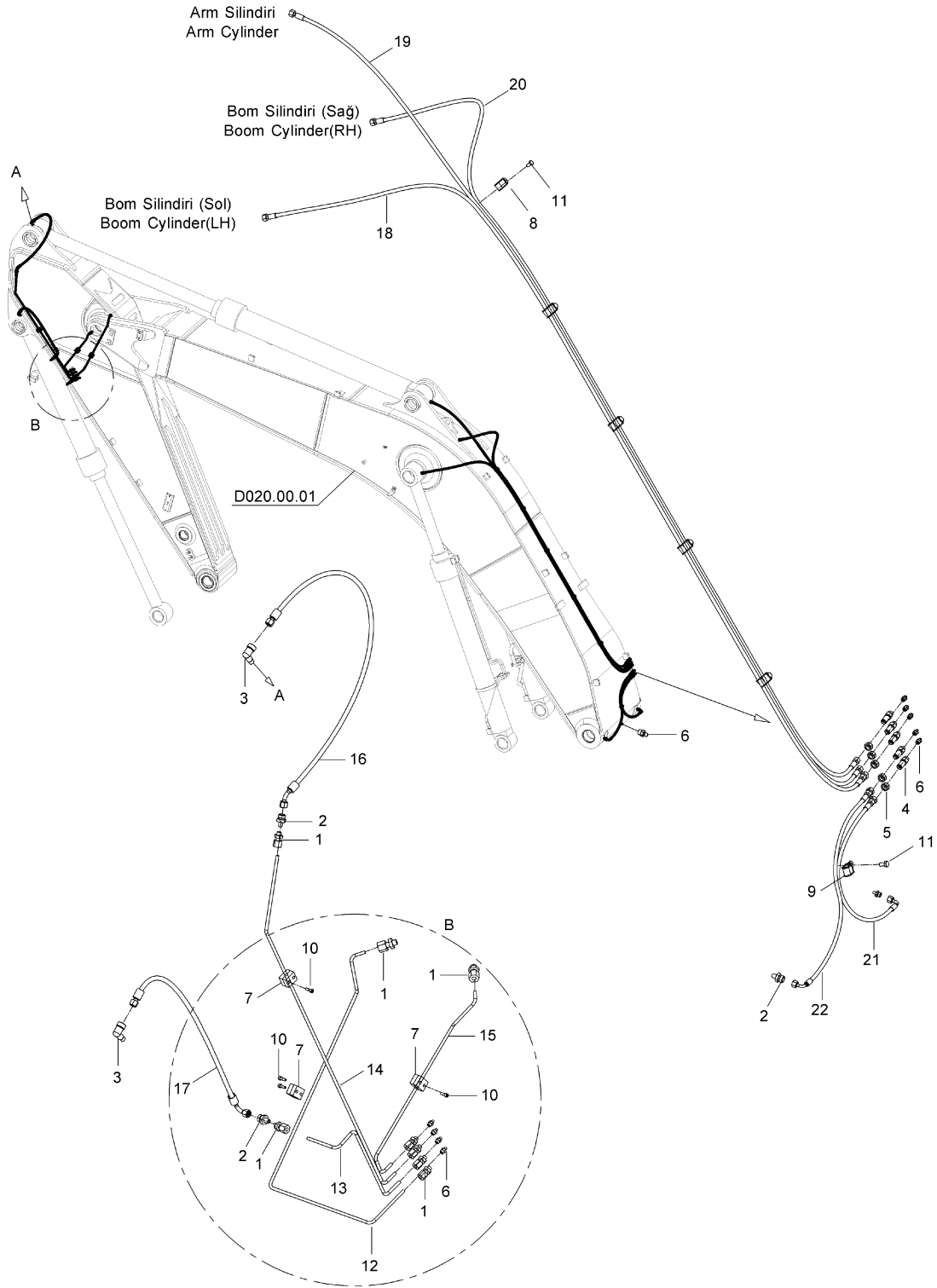
TEK ETKİLİ HİDROLİK TESİSATI 1 (2.65m, OP)
SINGLE ACTING HYD. PIPING 1 (2.65m, OP)



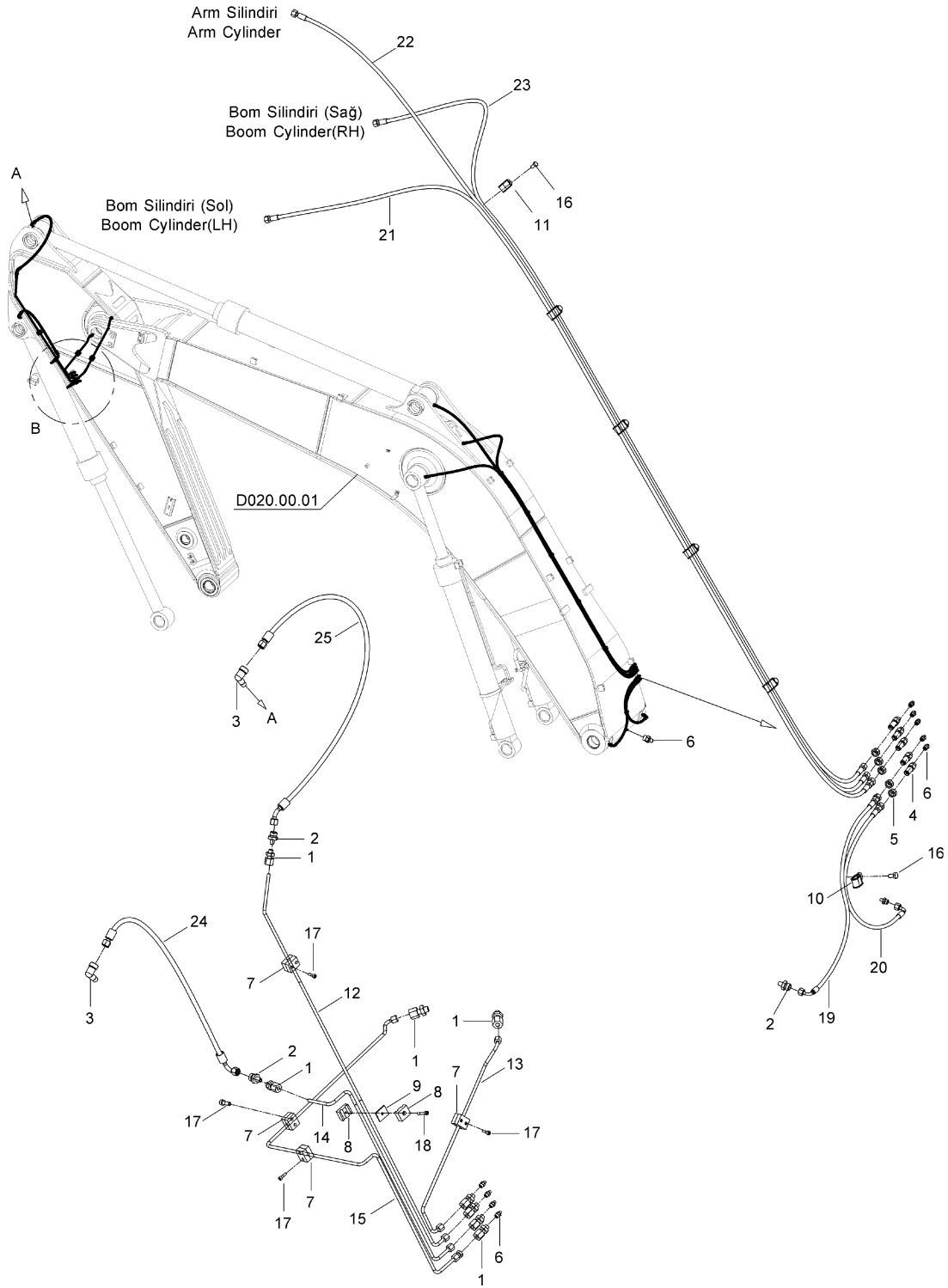
TEK ETKİLİ HİDROLİK TESİSATI 1 (2.65m, OP)
SINGLE ACTING HYD. PIPING 1 (2.65m, OP)



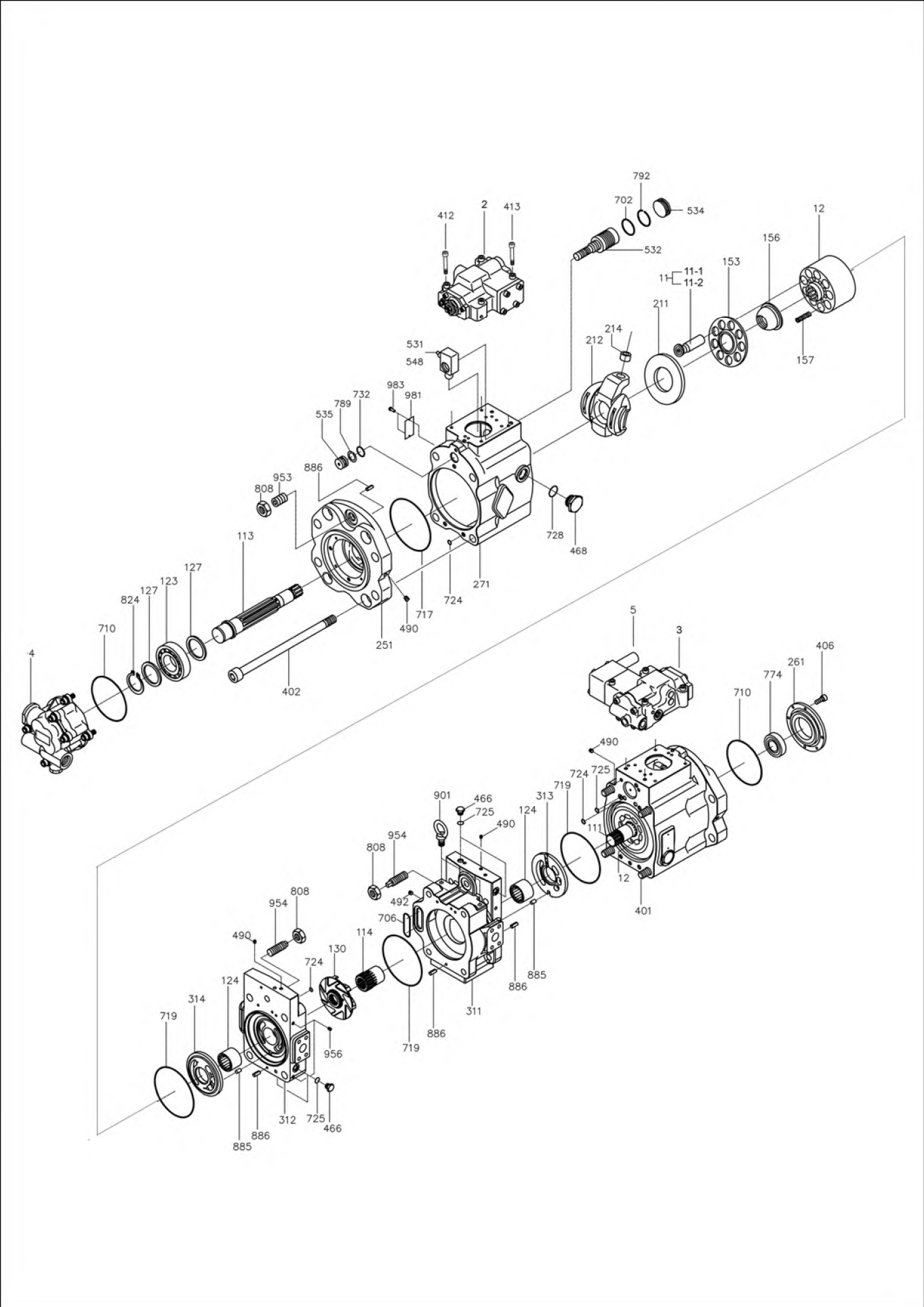
ATAŞMAN GRESLEME SİSTEMİ (2.9m)
ATTACHMENT GREASE LUB SYSTEM (2.9m)



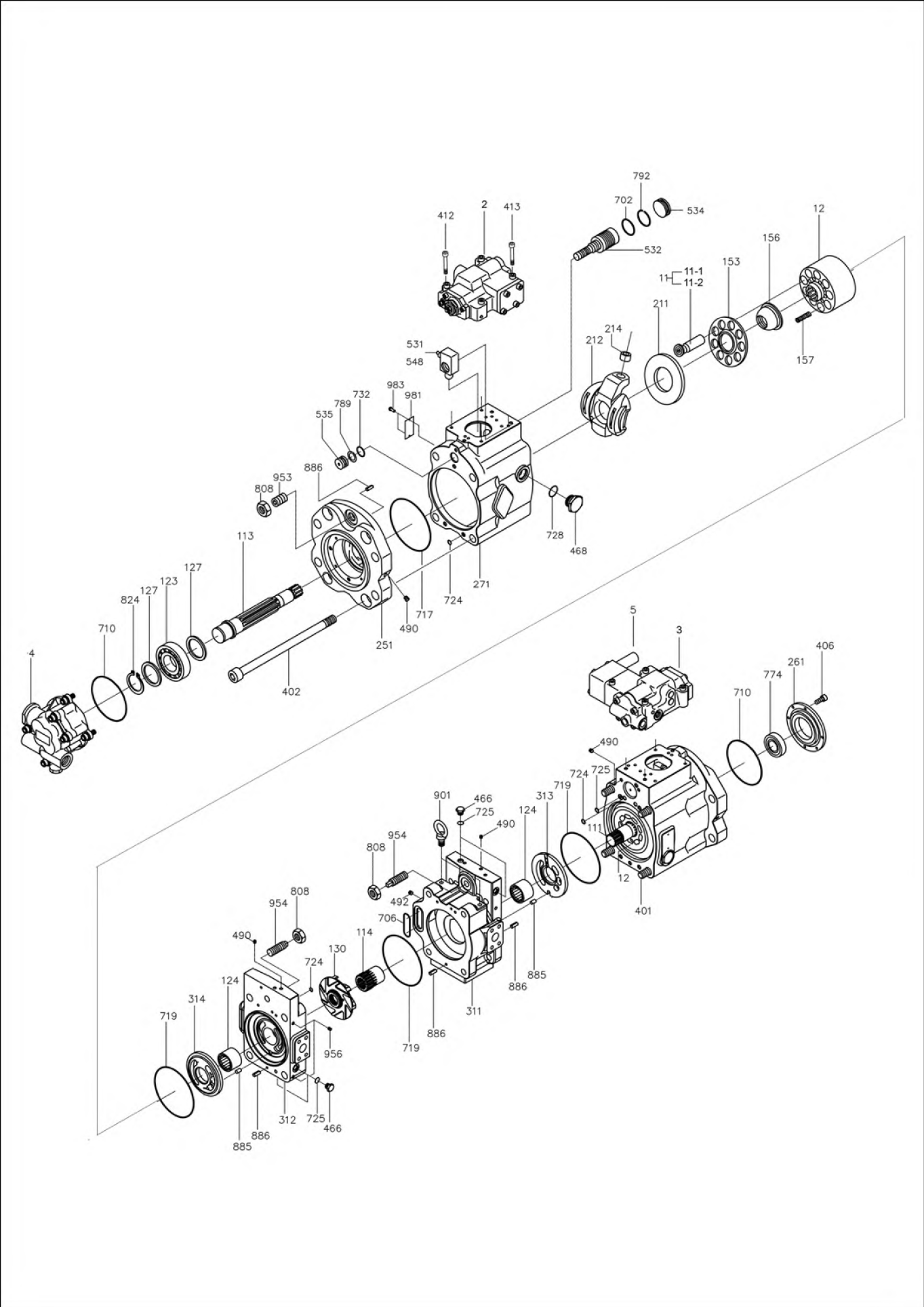
ATAŞMAN GRESLEME SİSTEMİ (2.65m) ATTACHMENT GREASE LUB SYSTEM (2.65m)



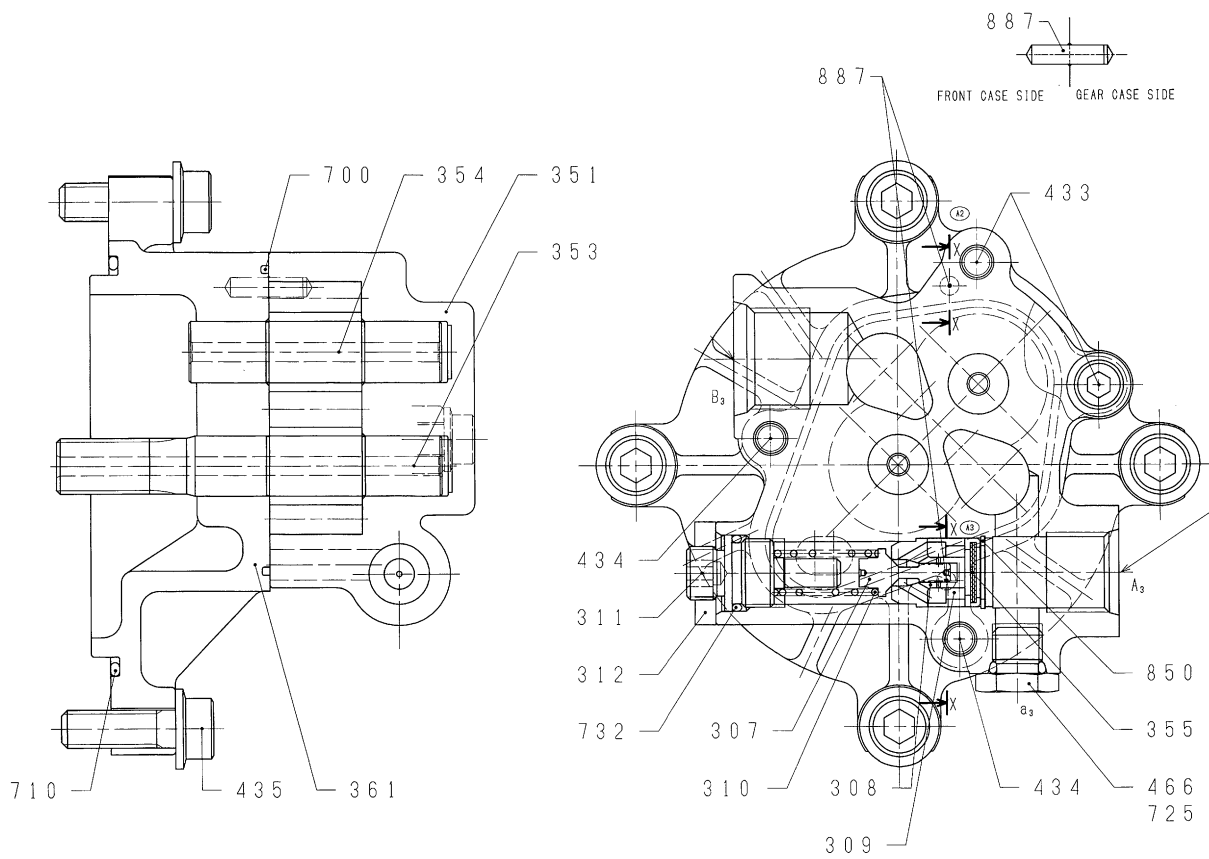
HİDROLİK POMPA
HYDRAULIC PUMP



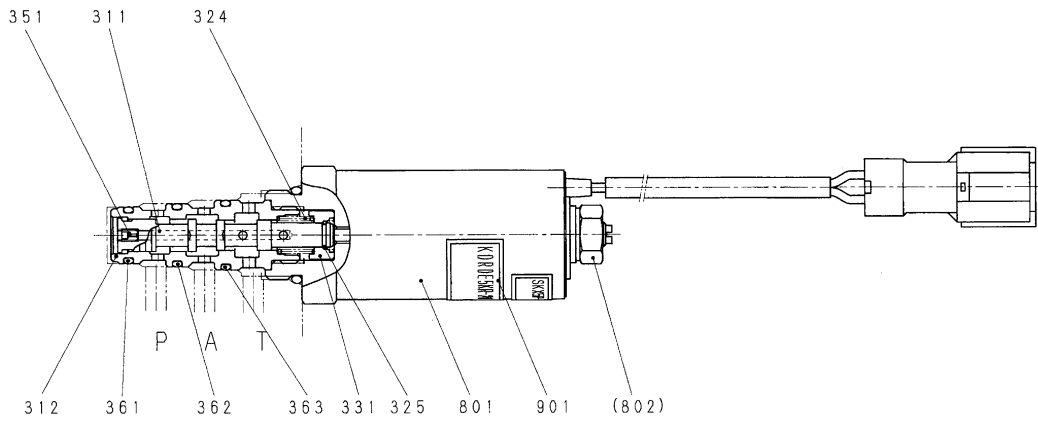
HİDROLİK POMPA
HYDRAULIC PUMP



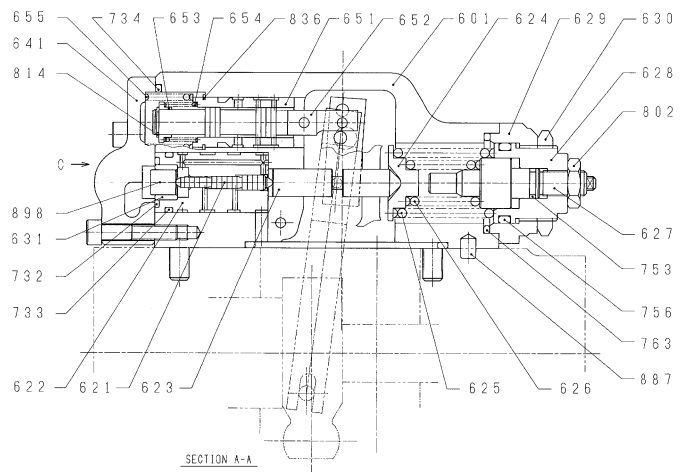
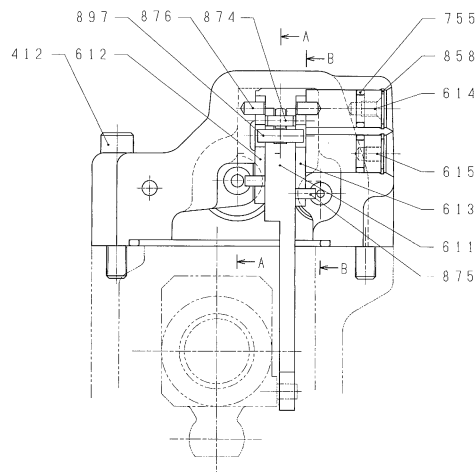
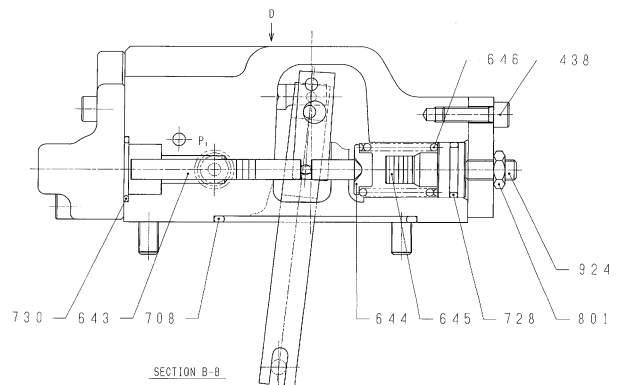
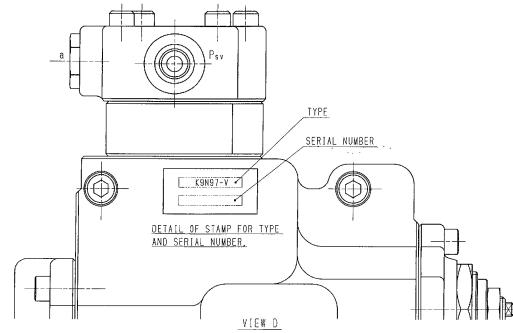
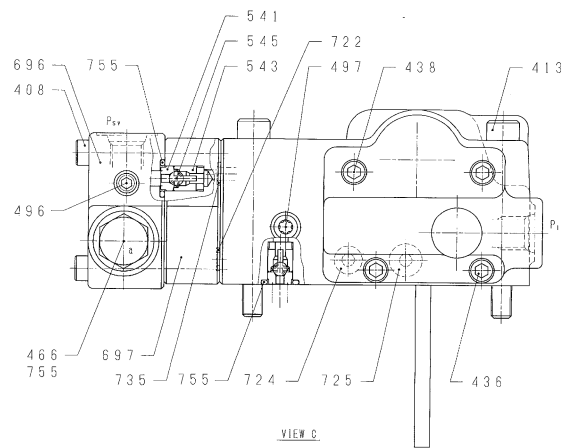
HMK 490LC3



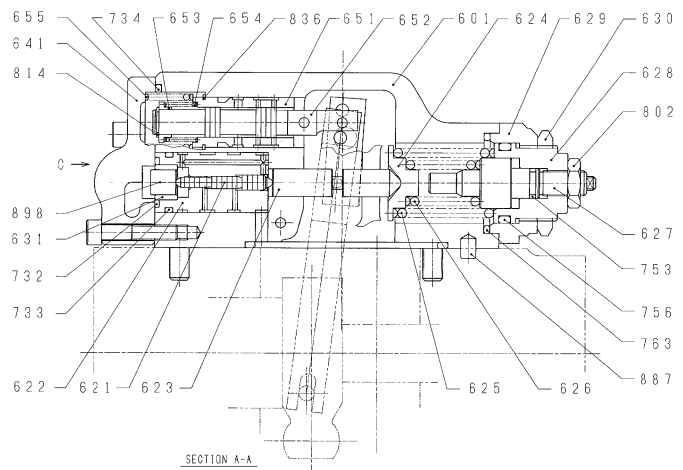
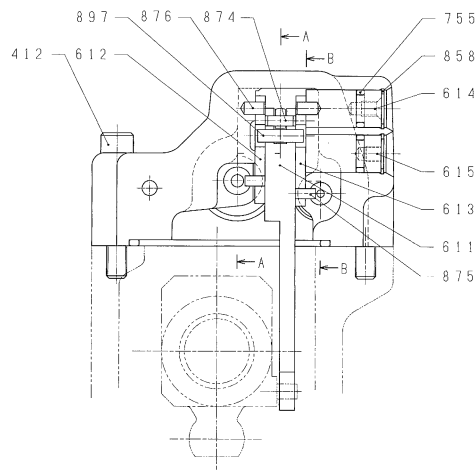
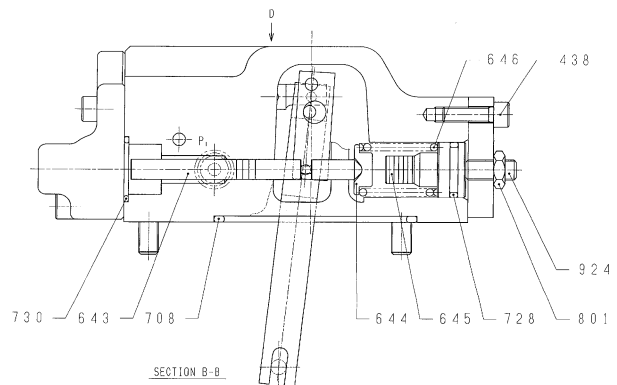
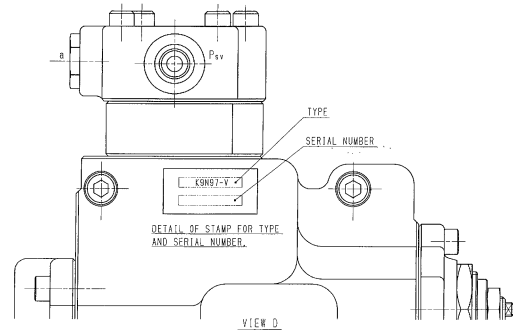
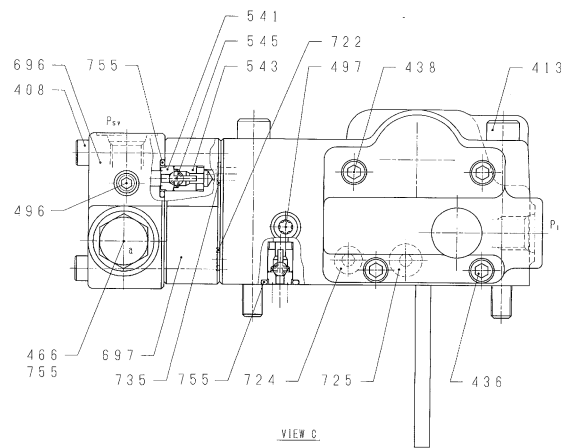
ORANSAL BASINÇ VALFİ
PROPORTIONAL REDUCING VALVE



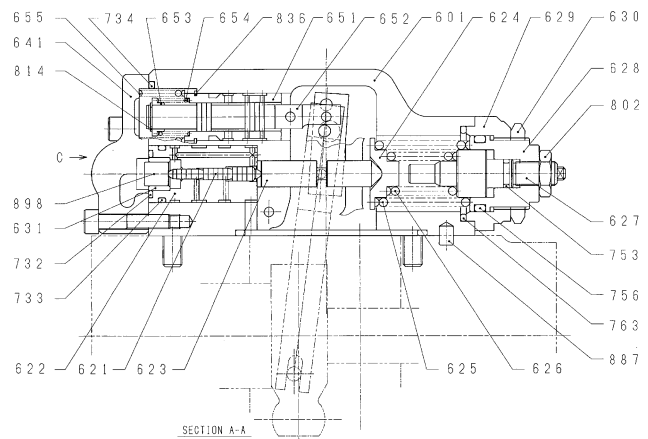
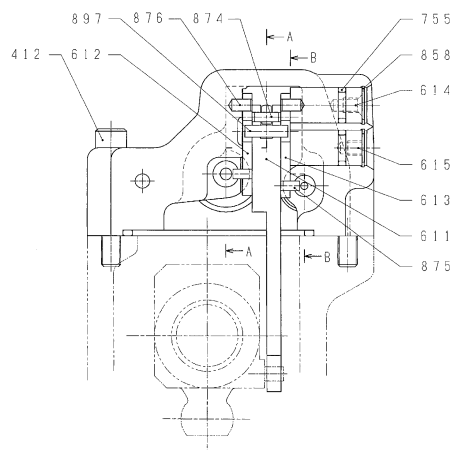
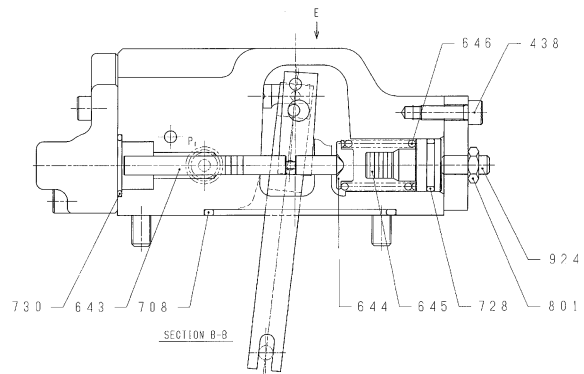
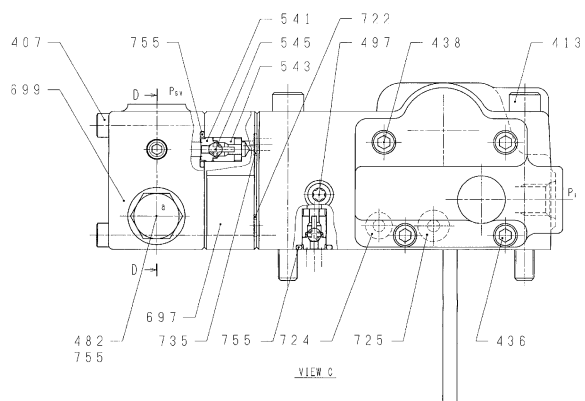
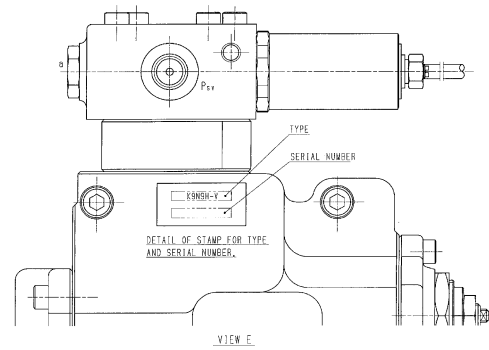
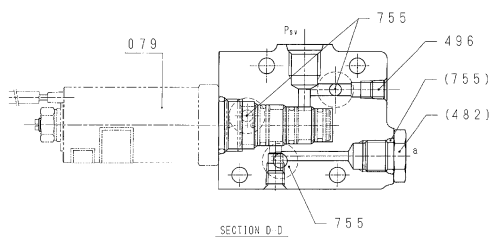
POMPA REGÜLATÖRÜ, ÖN PUMP REGULATOR, FRONT



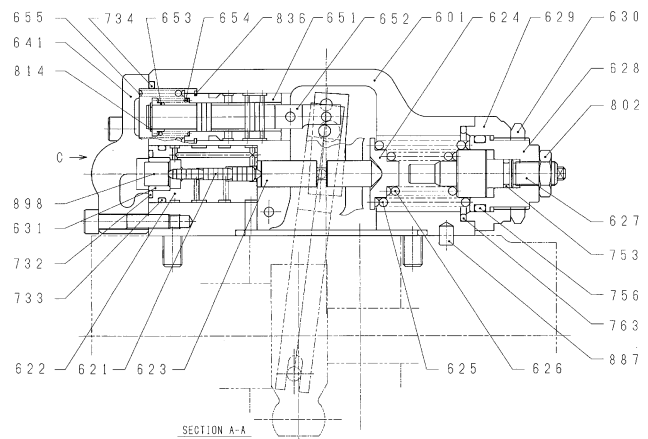
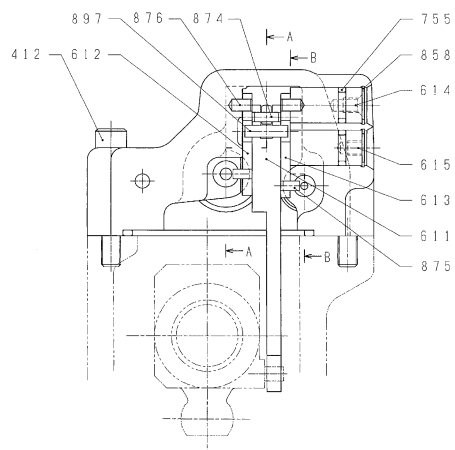
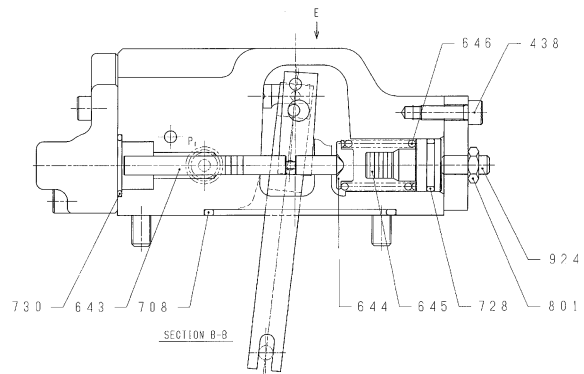
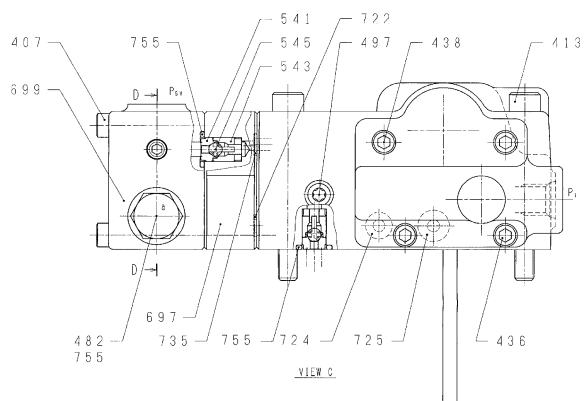
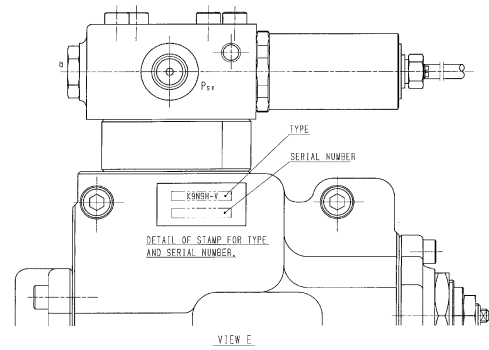
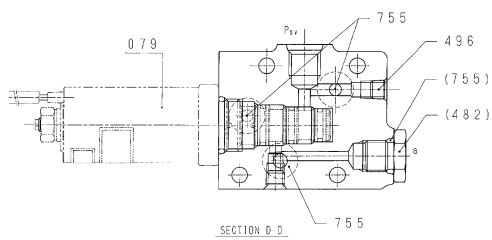
POMPA REGÜLATÖRÜ, ÖN PUMP REGULATOR, FRONT



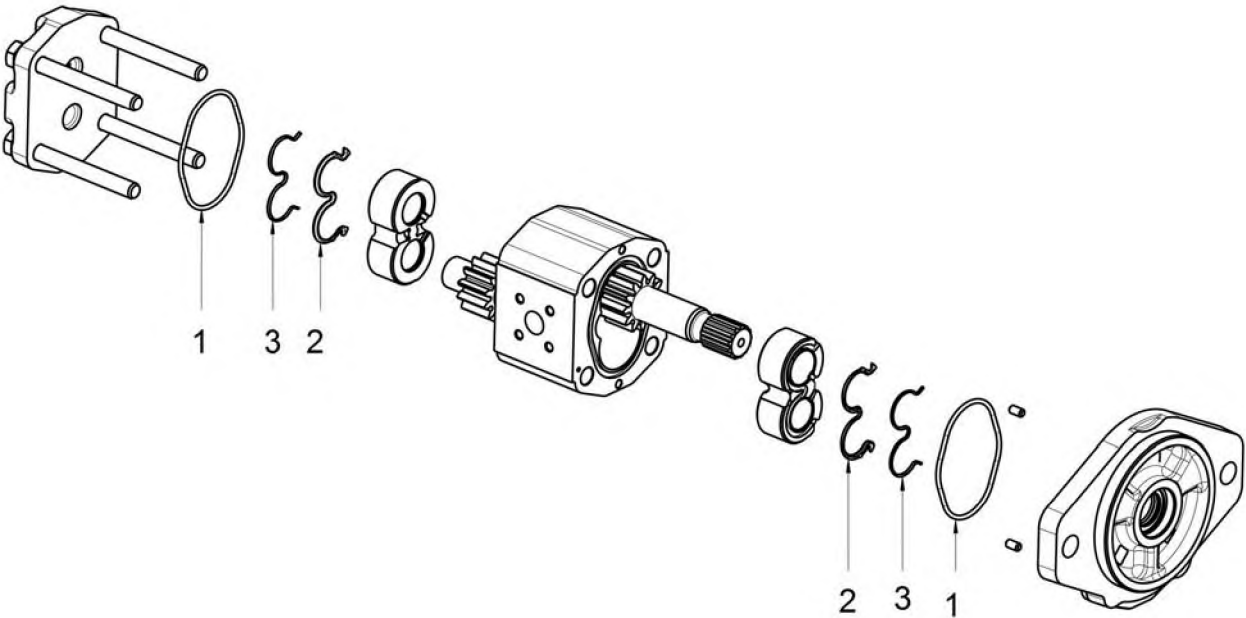
POMPA REGÜLATÖRÜ, ARKA PUMP REGULATOR, REAR



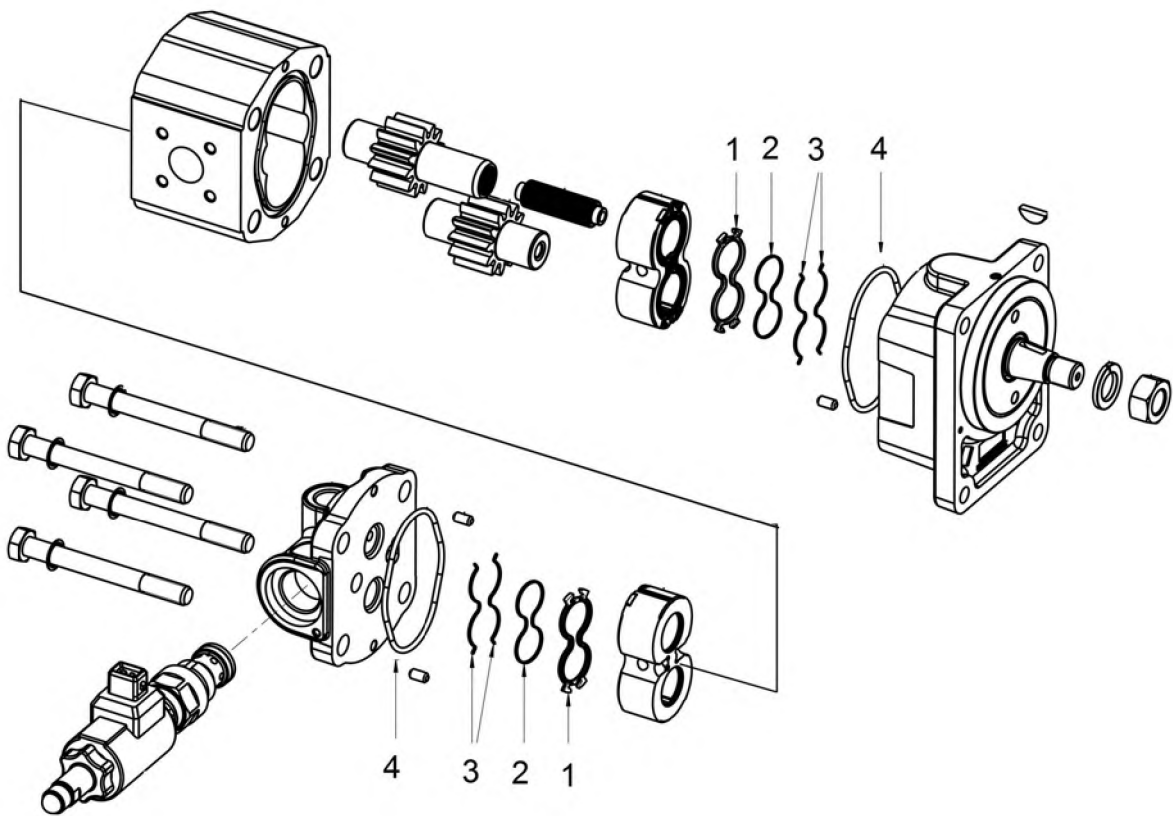
POMPA REGÜLATÖRÜ, ARKA PUMP REGULATOR, REAR



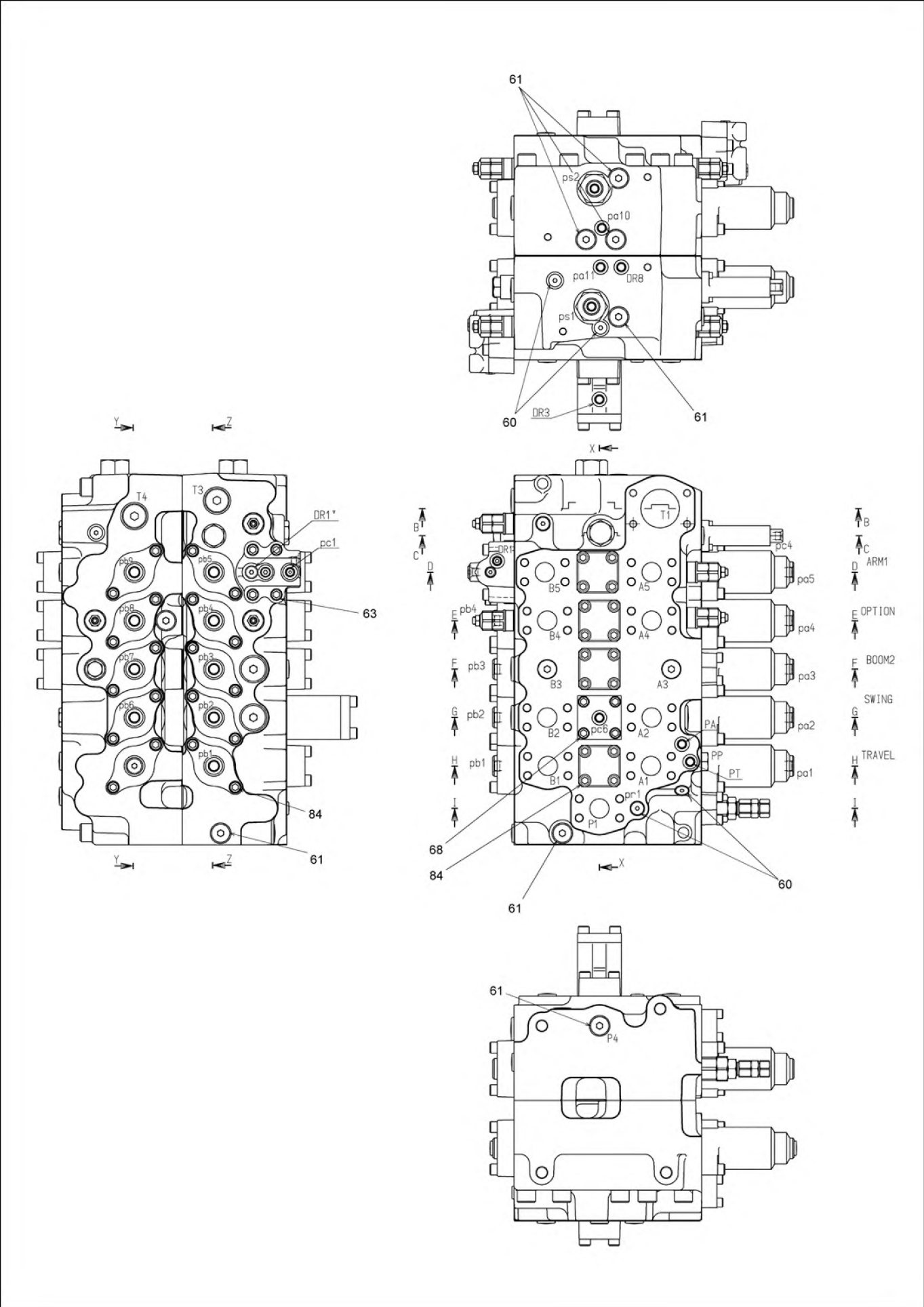
FAN POMPASI
FAN PUMP



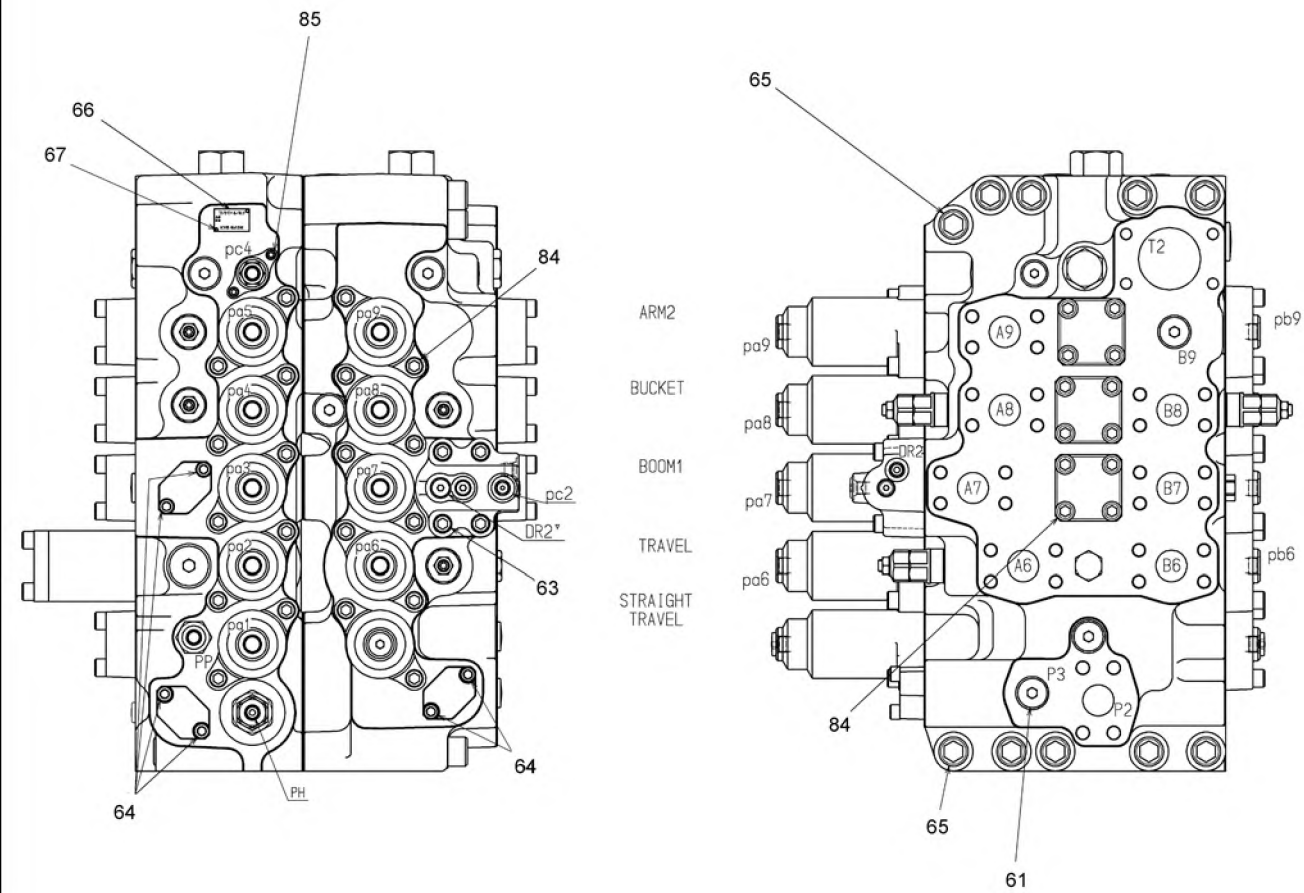
FAN MOTORU
FAN MOTOR



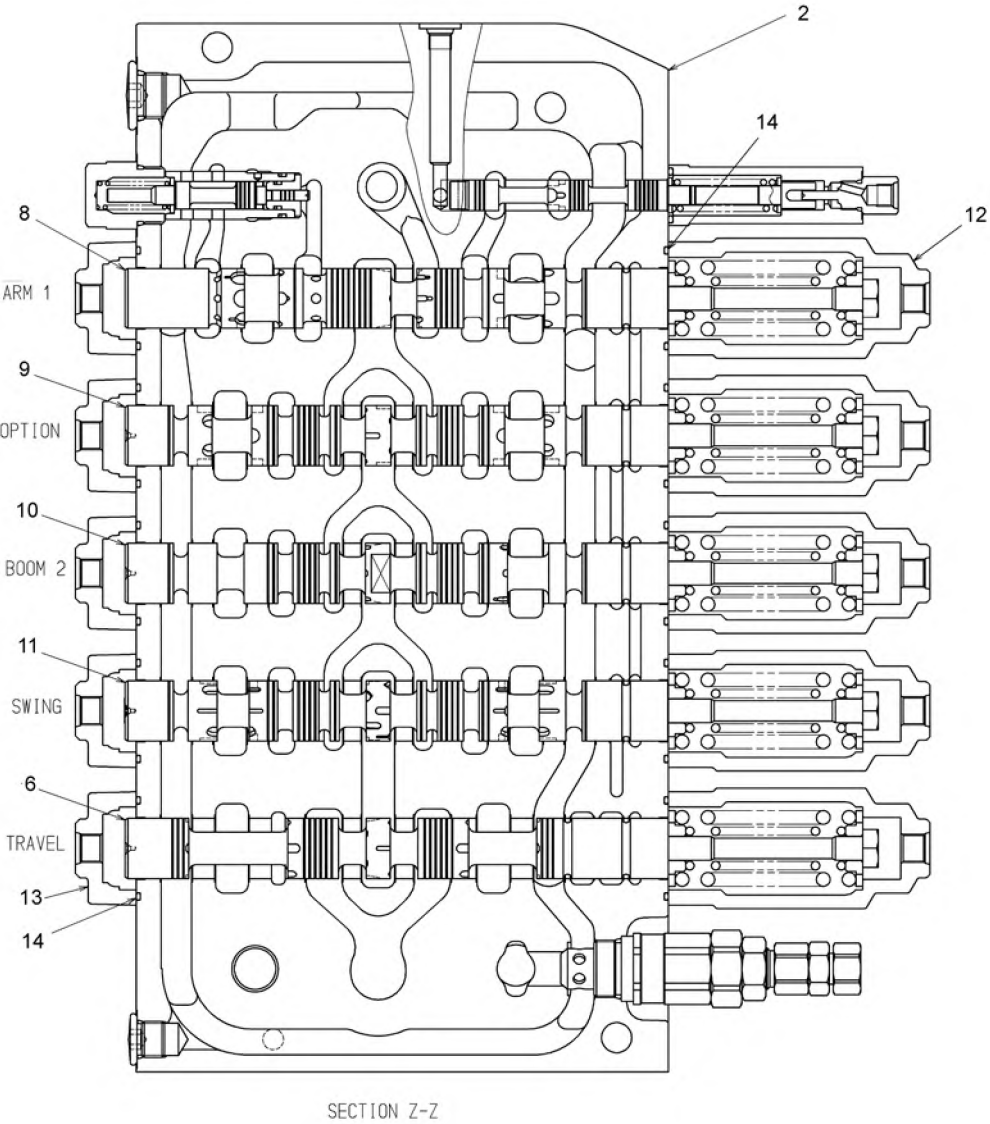
ANA KUMANDA VALFİ (1)
MAIN CONTROL VALVE (1)



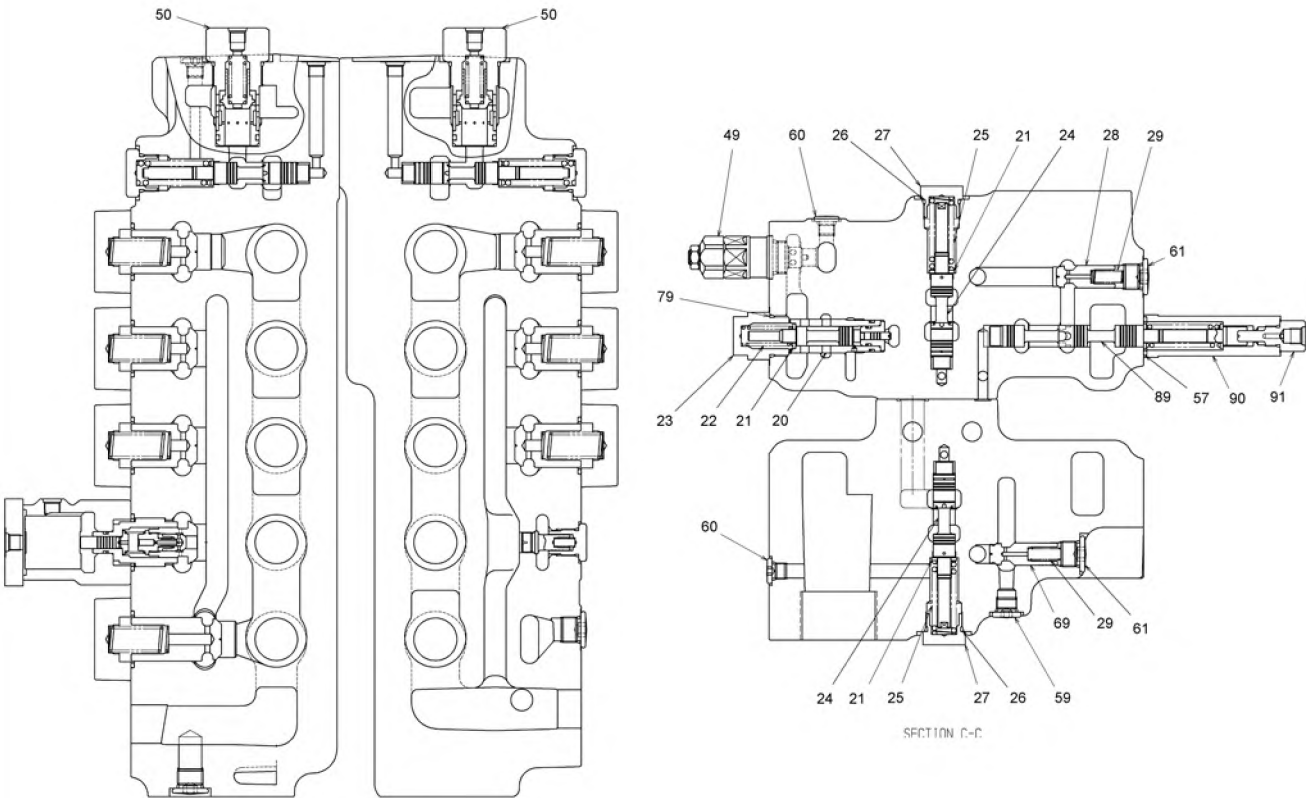
ANA KUMANDA VALFİ (2)
MAIN CONTROL VALVE (2)



ANA KUMANDA VALFİ (3)
MAIN CONTROL VALVE (3)

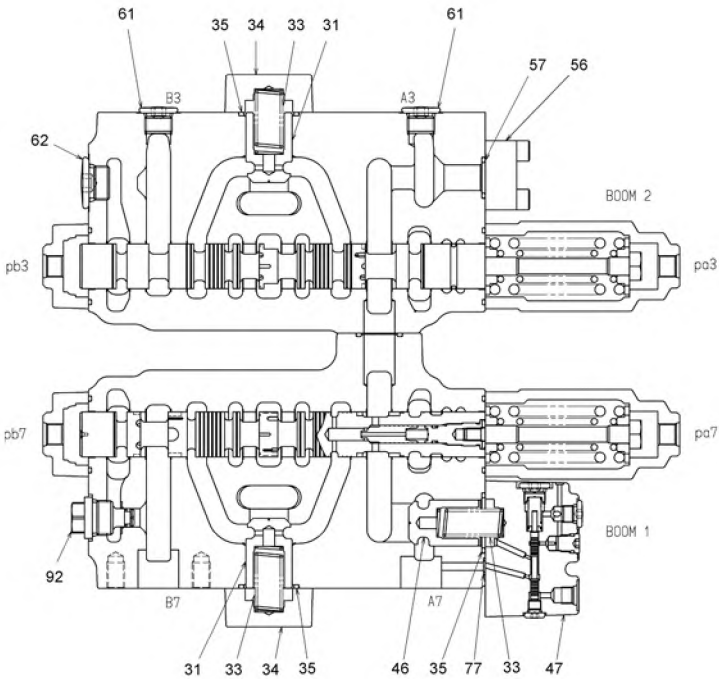


ANA KUMANDA VALFİ (4)
MAIN CONTROL VALVE (4)

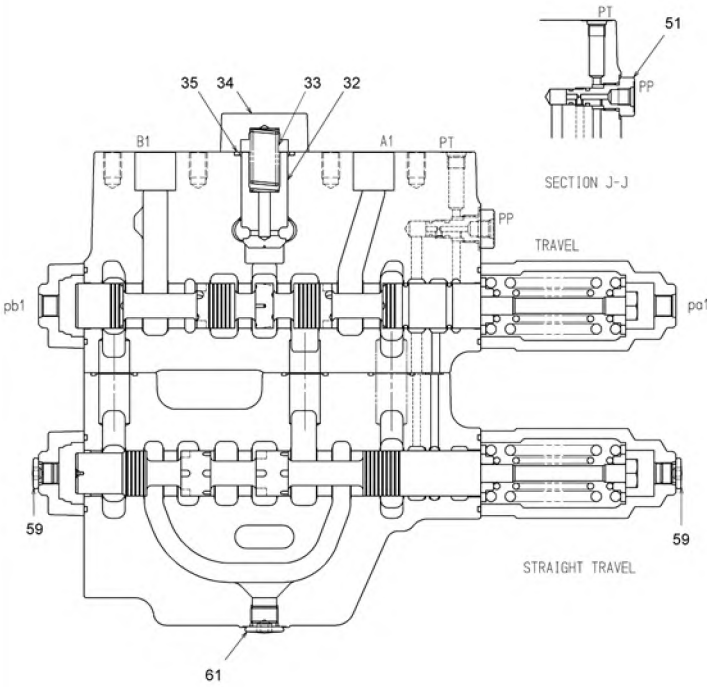


[illegible]

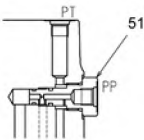
ANA KUMANDA VALFİ (6)
MAIN CONTROL VALVE (6)



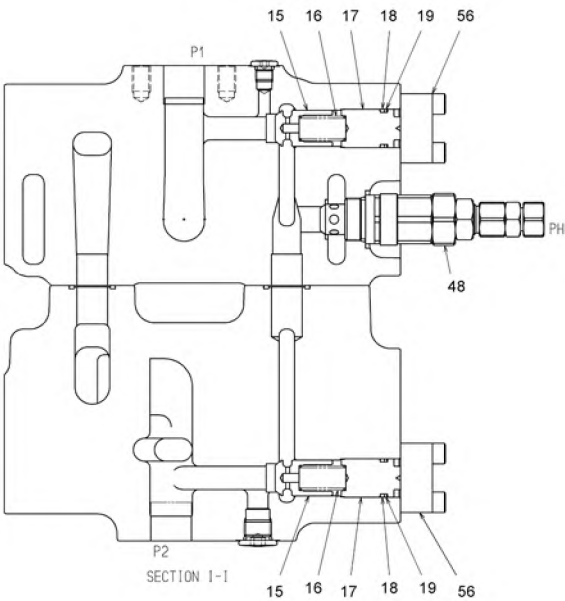
SECTION F-F



SECTION H-H

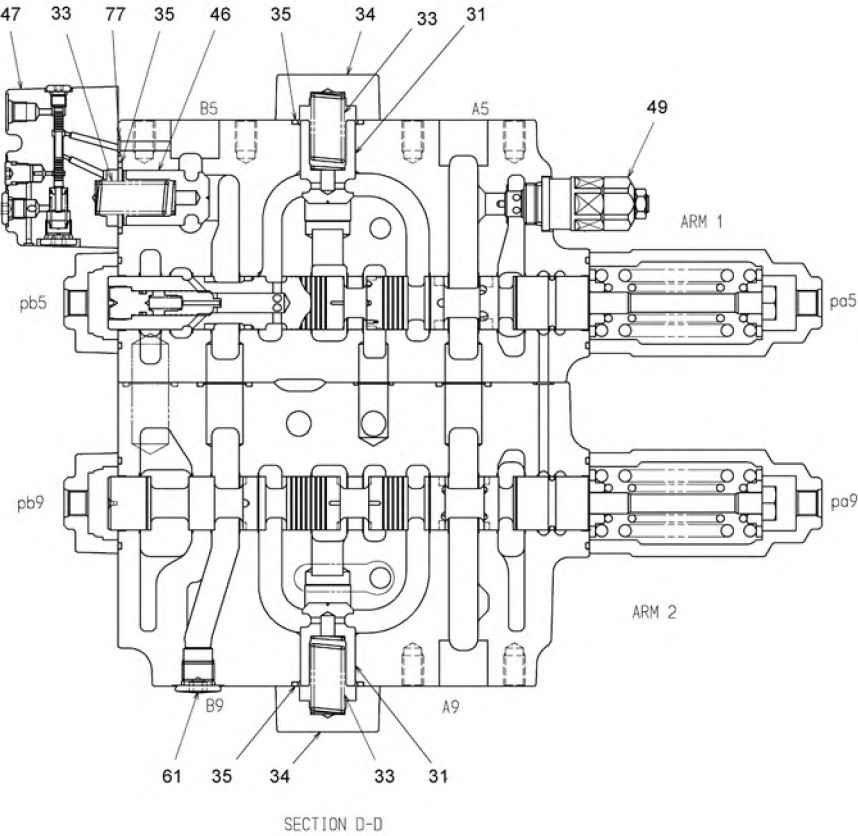
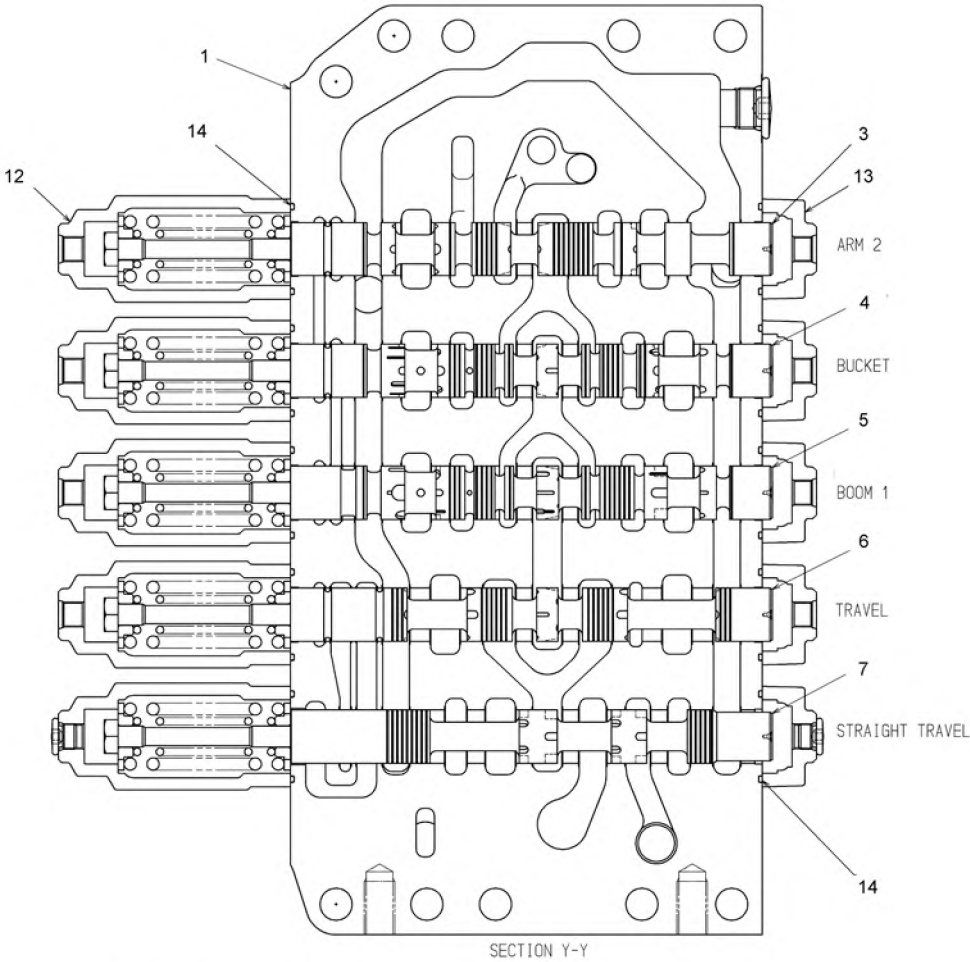


SECTION J-J

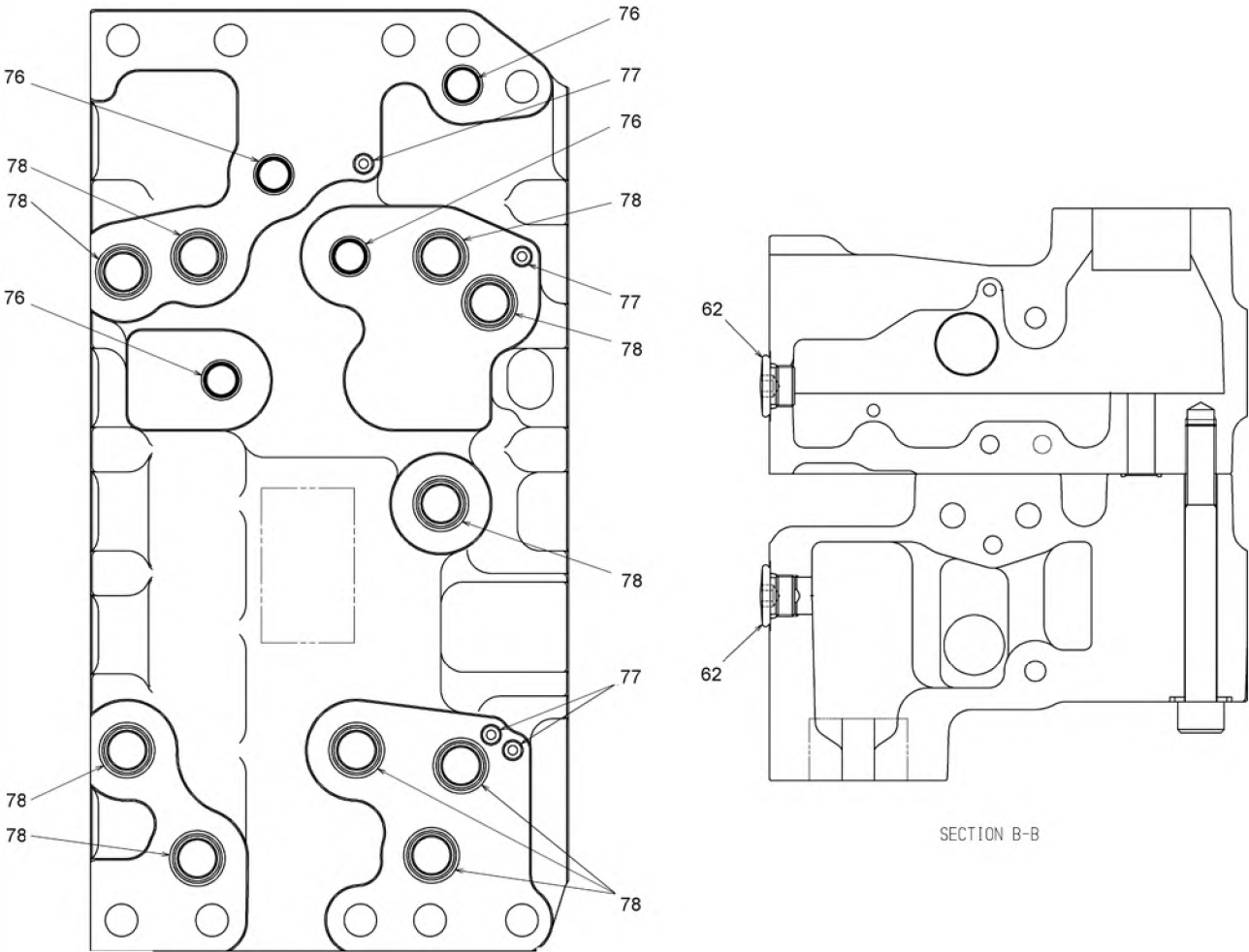


SECTION I-I

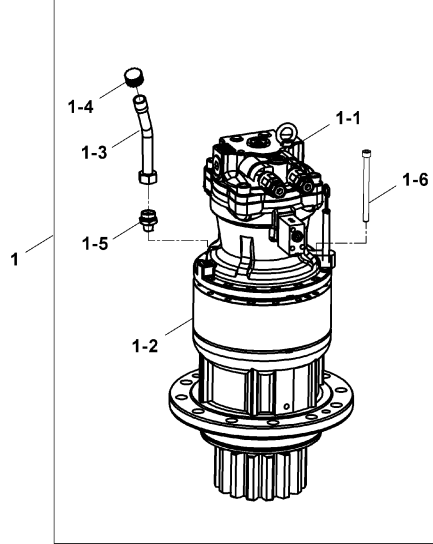
ANA KUMANDA VALFİ (7)
MAIN CONTROL VALVE (7)



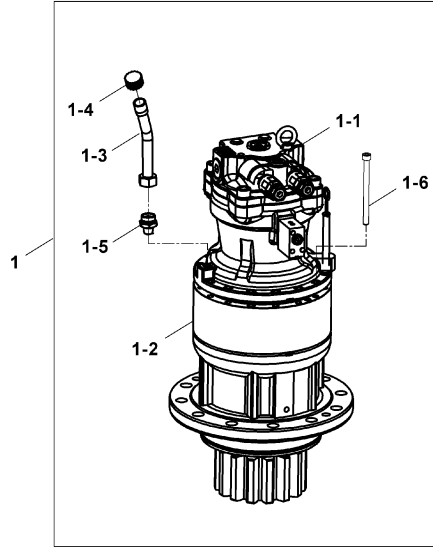
ANA KUMANDA VALFİ (8)
MAIN CONTROL VALVE (8)



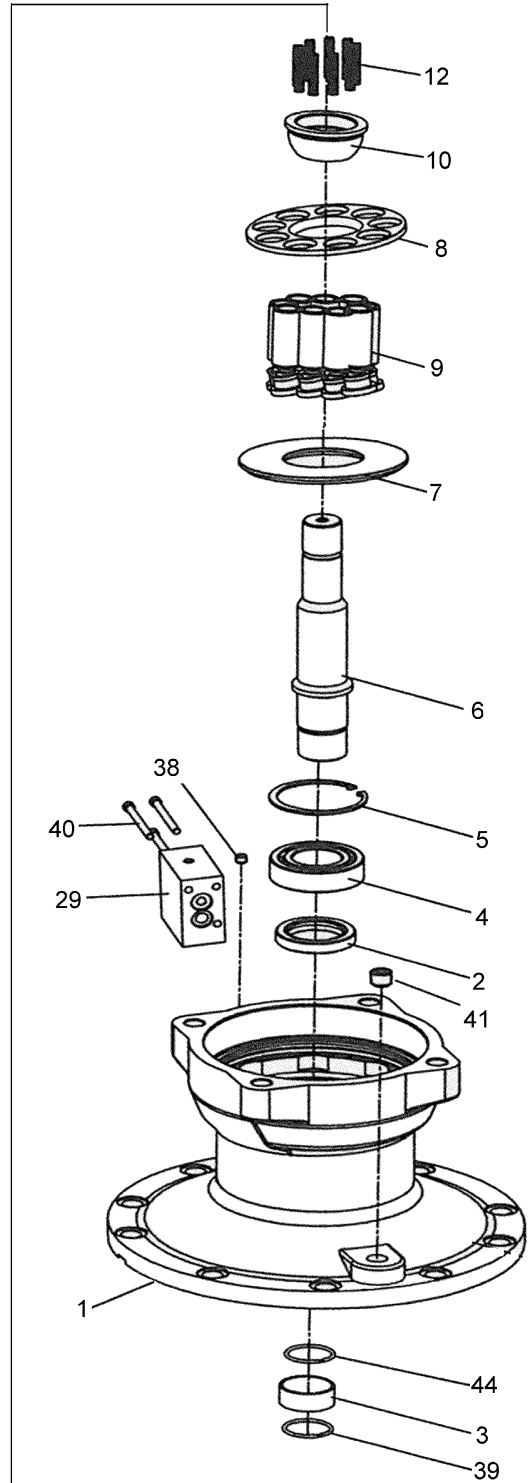
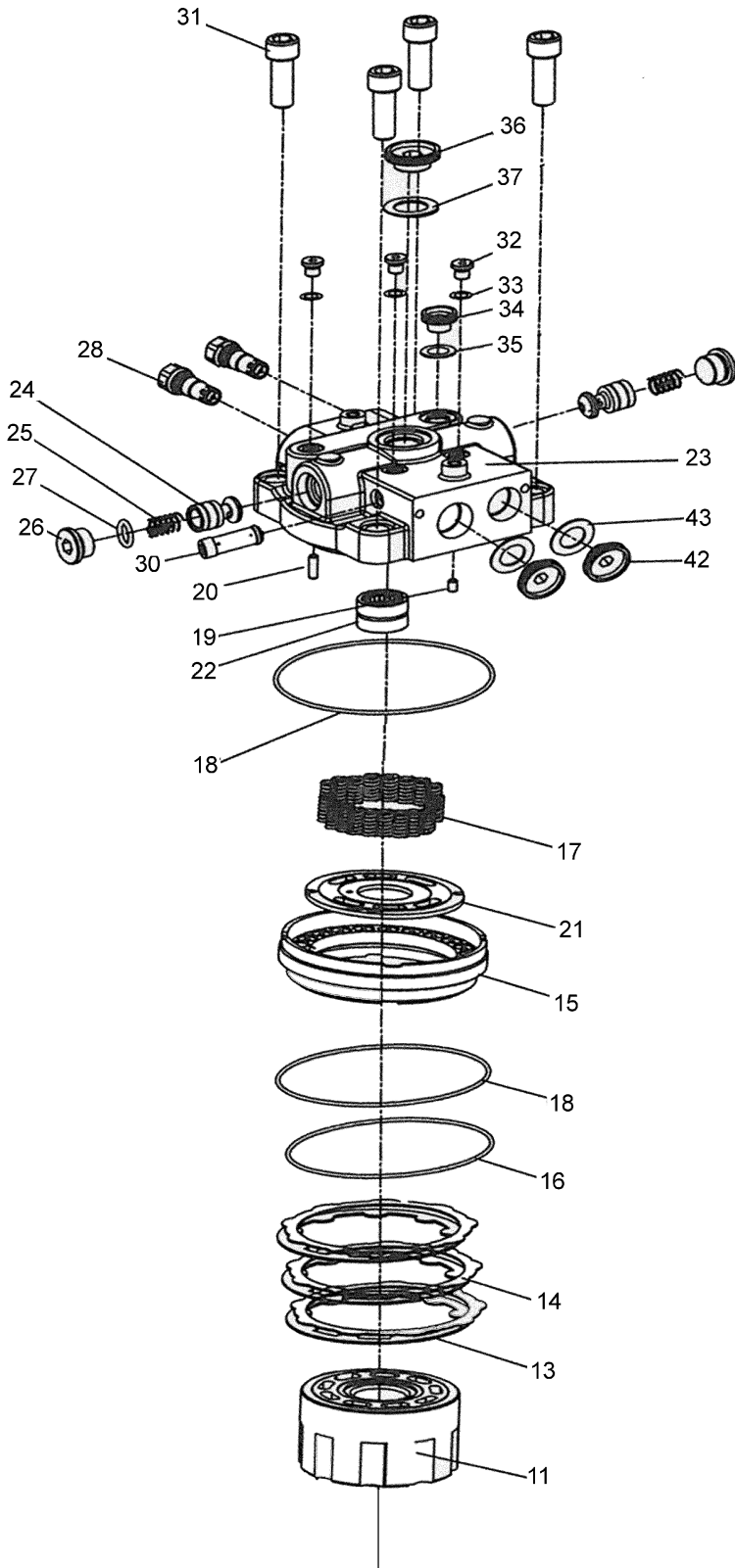
KULE DÖNÜŞ ÜNİTESİ SWING UNIT



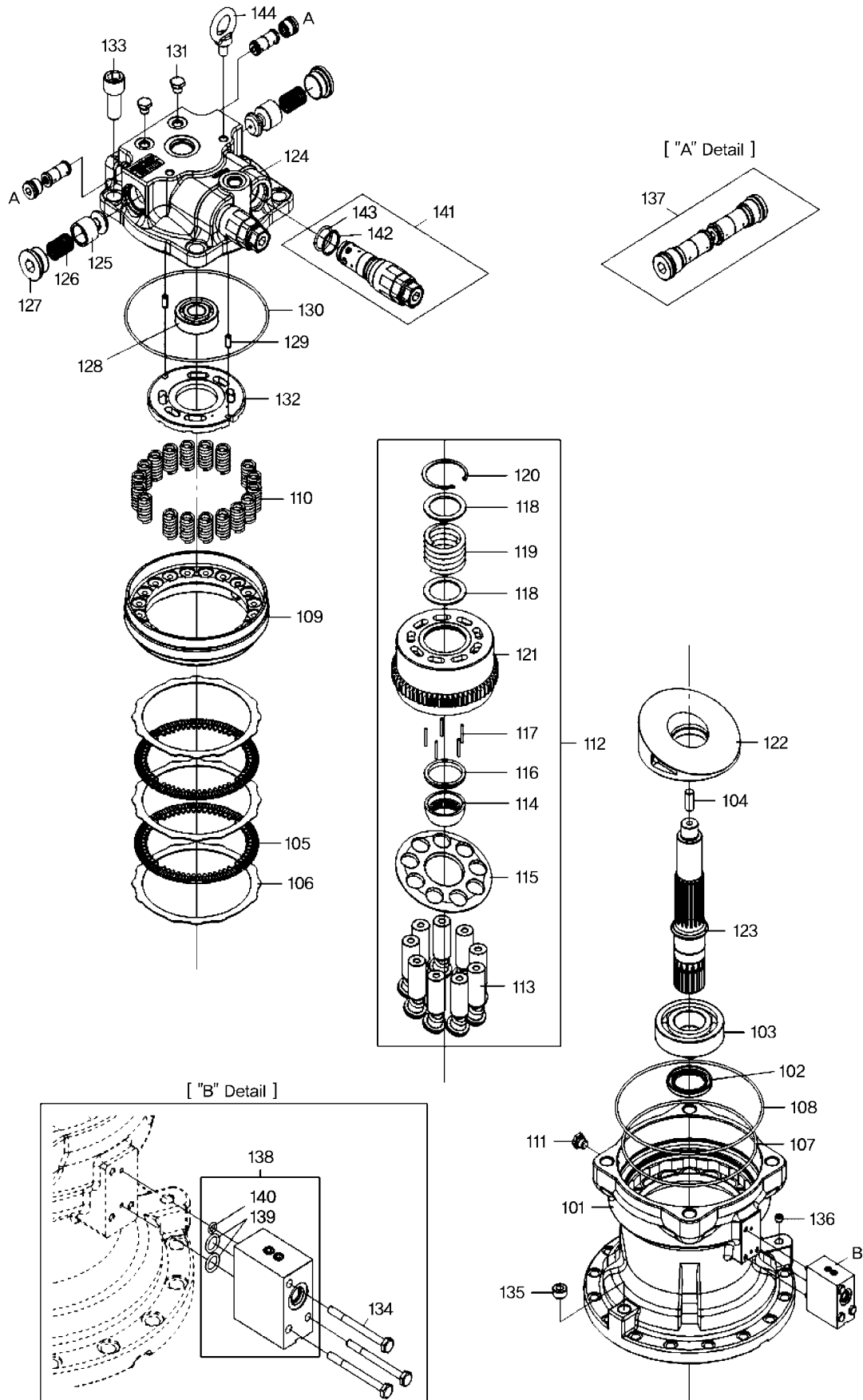
KULE DÖNÜŞ ÜNİTESİ SWING UNIT



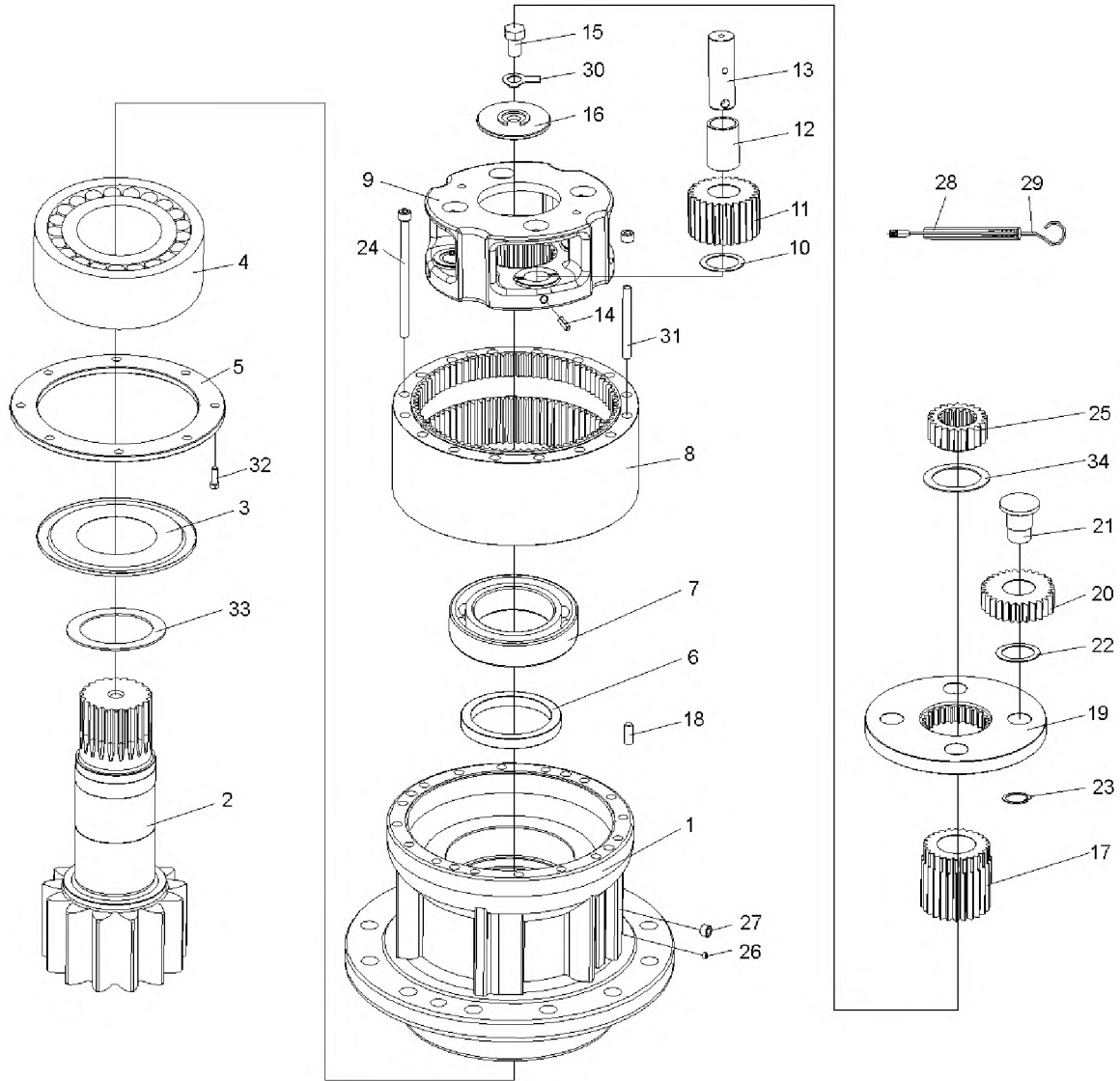
KULE DÖNÜŞ ÜNİTESİ, MOTOR SWING UNIT, MOTOR



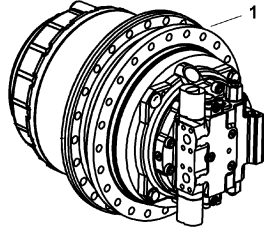
KULE DÖNÜŞ ÜNİTESİ, MOTOR SWING UNIT, MOTOR



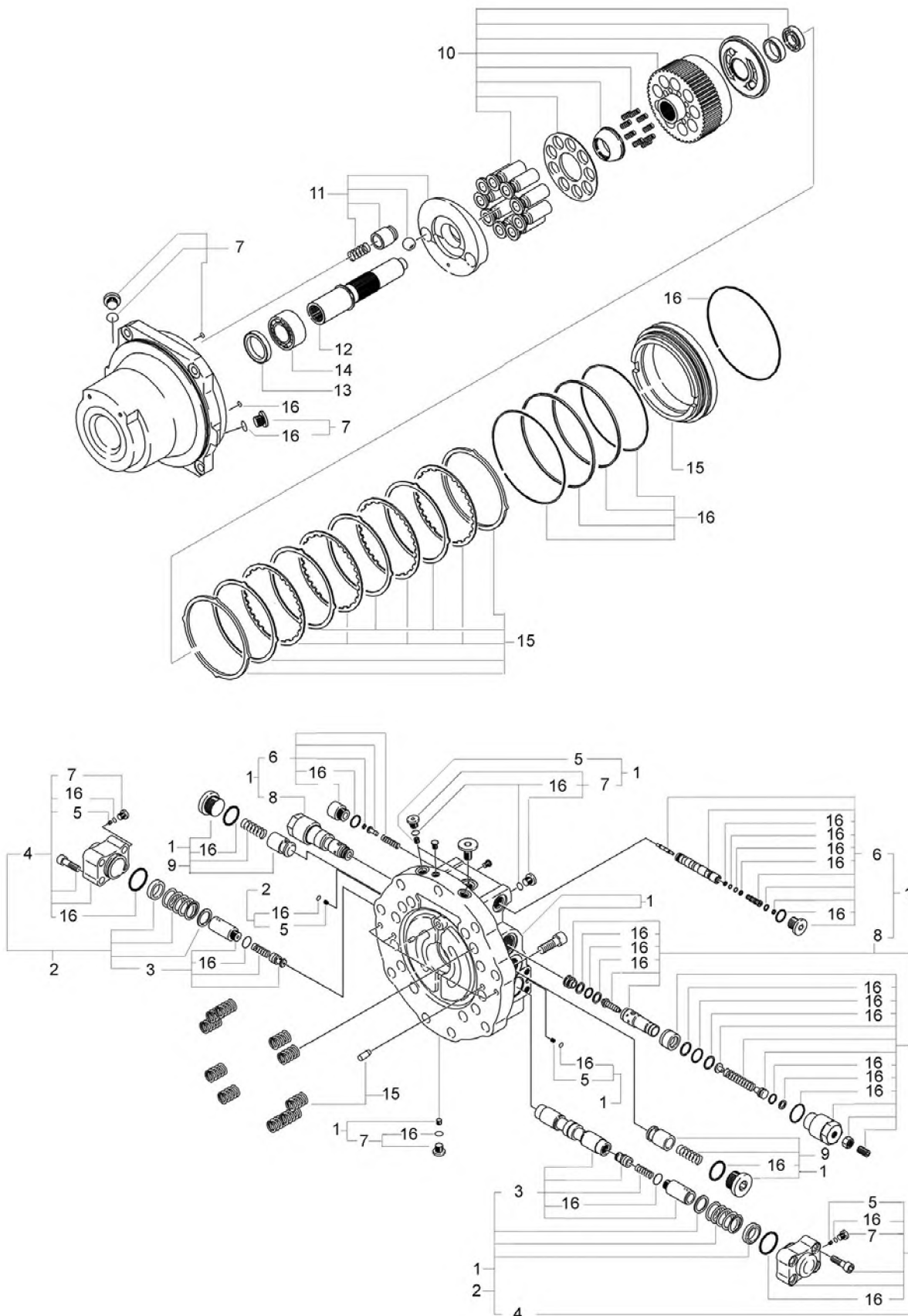
KULE DÖNÜŞ ÜNİTESİ, DIŞLI KUTUSU SWING UNIT, REDUCTION GEAR



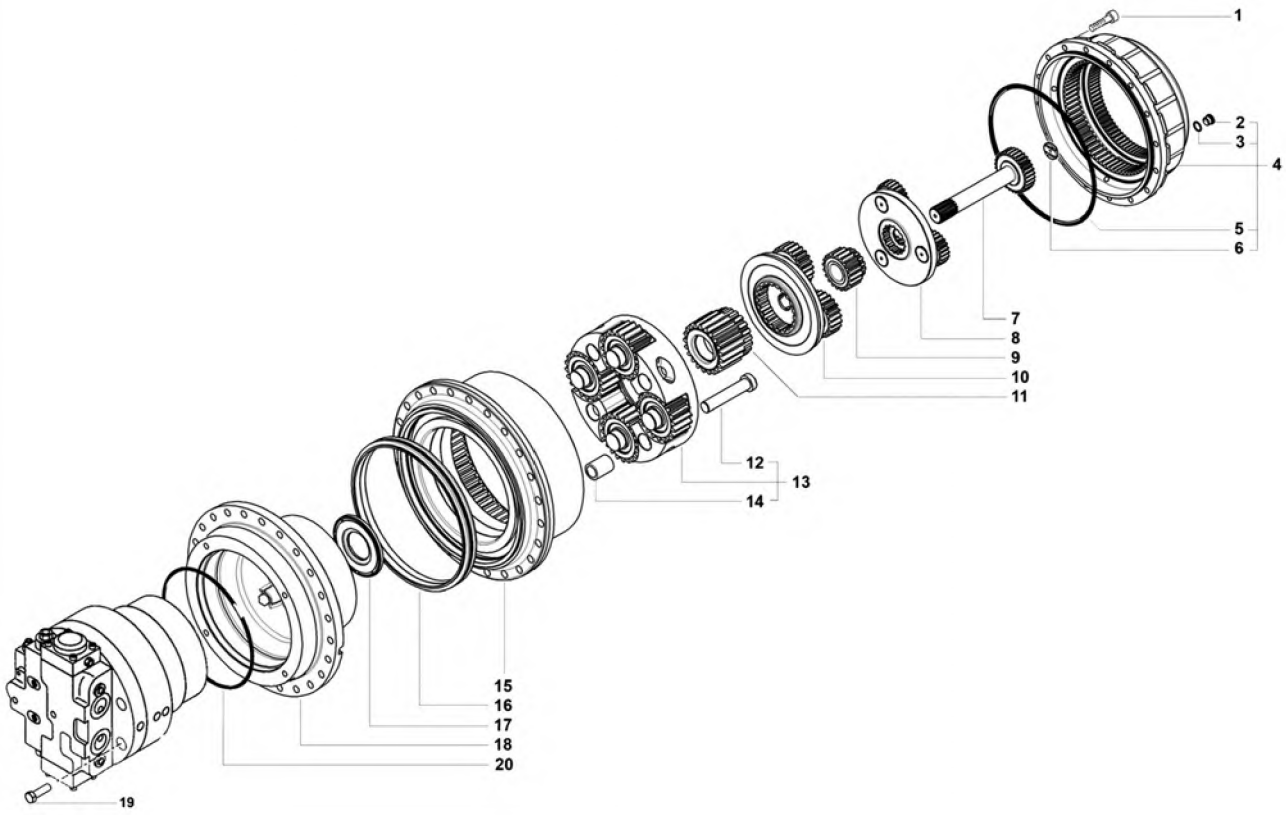
YÜRÜYÜŞ ÜNİTESİ
TRAVEL UNIT



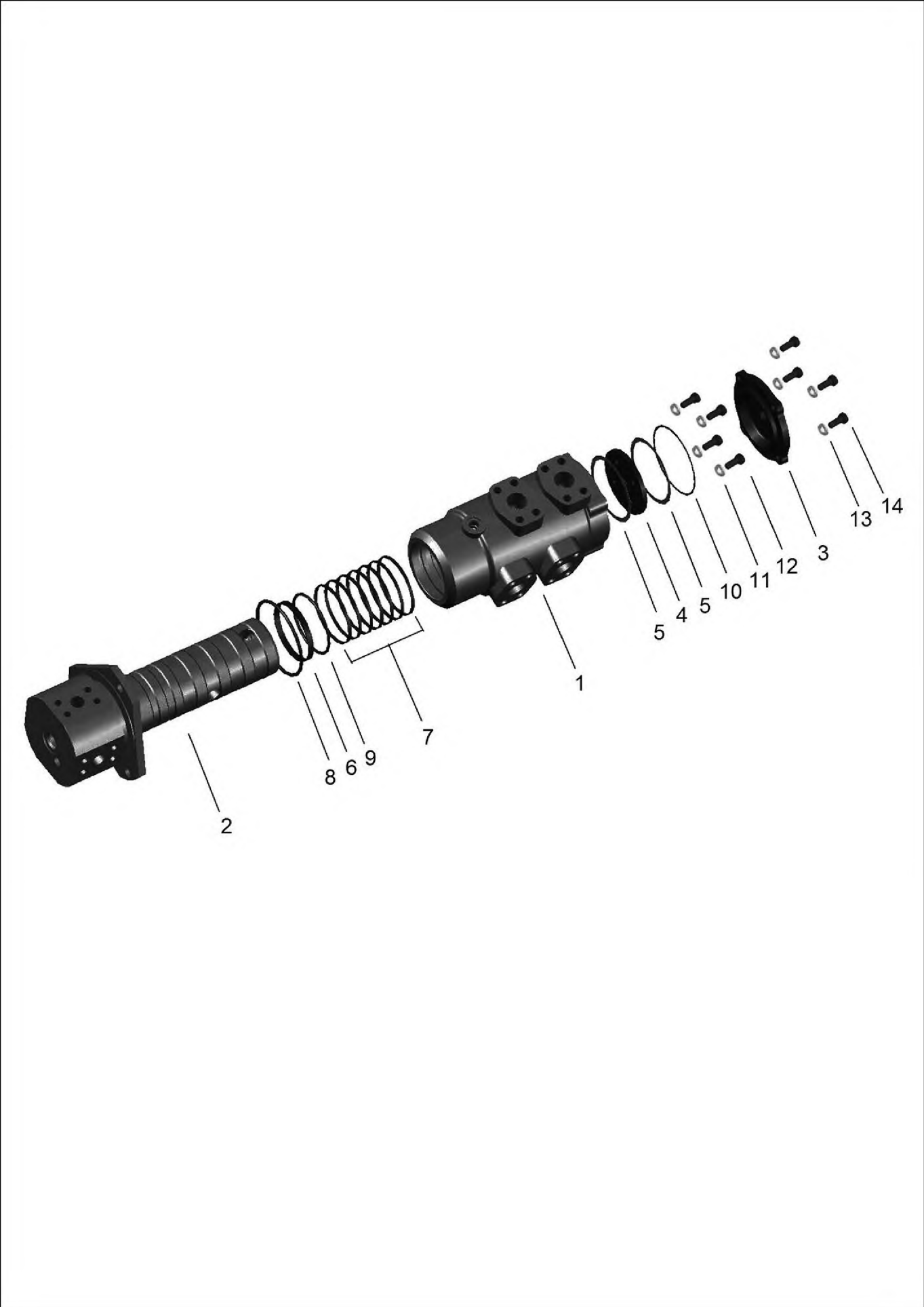
YÜRÜYÜŞ ÜNİTESİ, MOTOR
TRAVEL UNIT, MOTOR



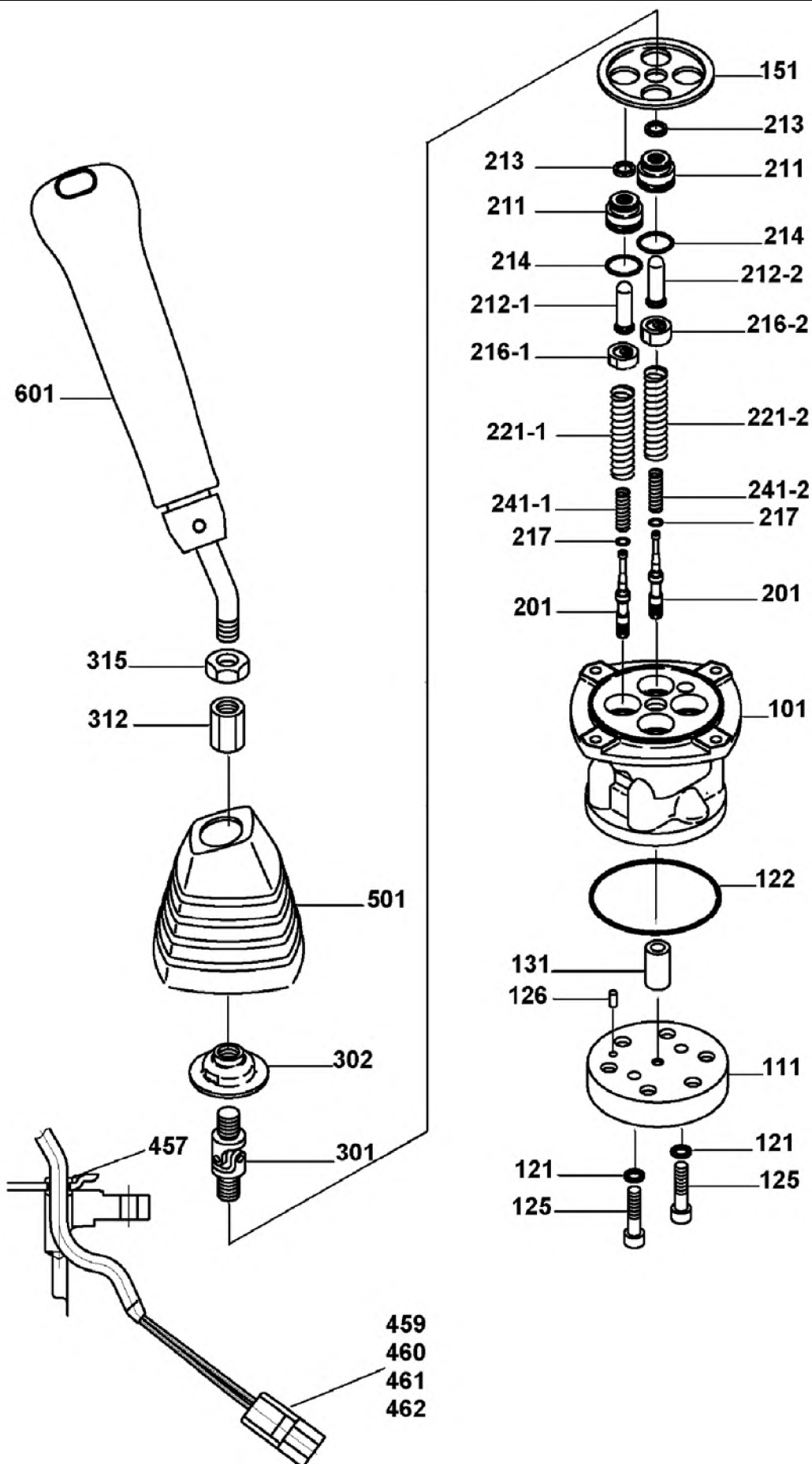
YÜRÜYÜŞ ÜNİTESİ, DİŞLİ KUTUSU
TRAVEL UNIT, REDUCTION GEAR



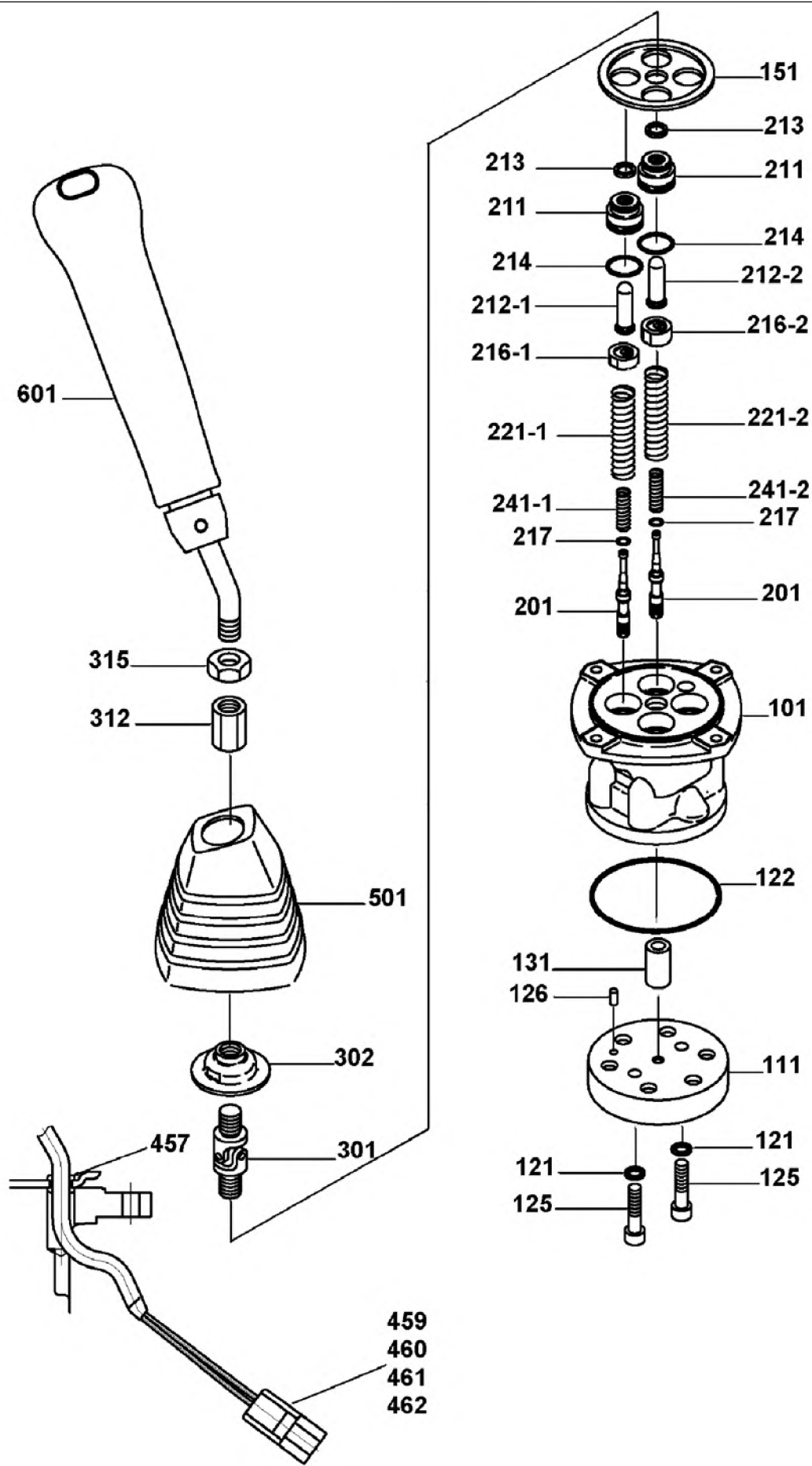
DÖNER DAĞITICI
TURNING JOINT



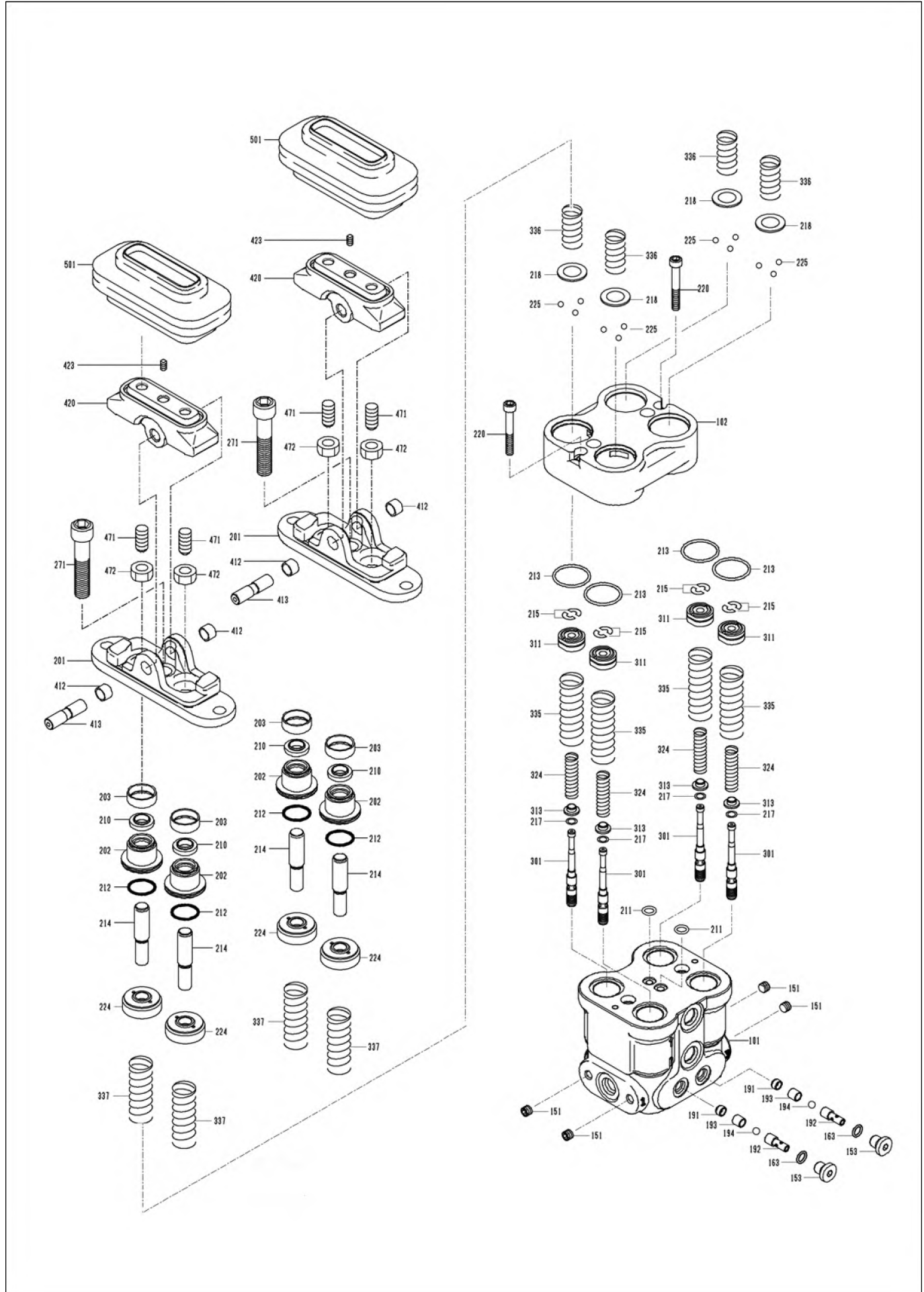
JOYSTİK, SAĞ JOYSTICK, RH



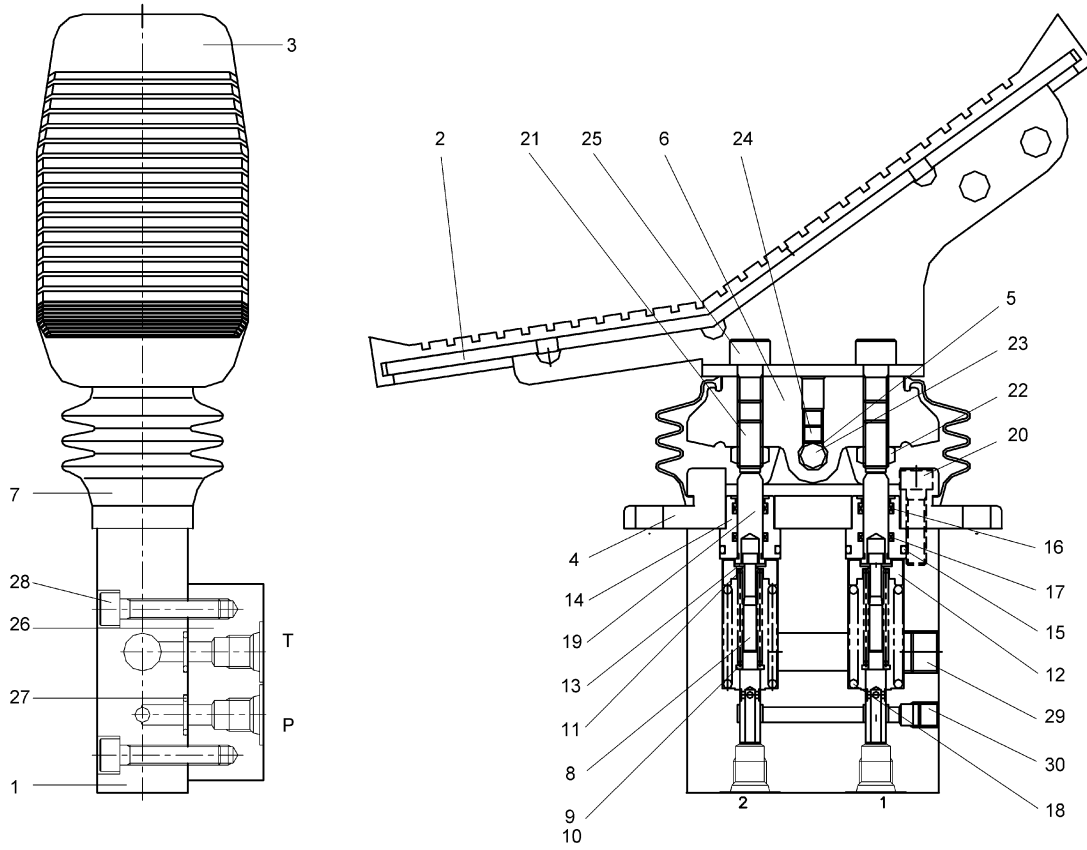
JOYSTİK, SOL
JOYSTICK, LH



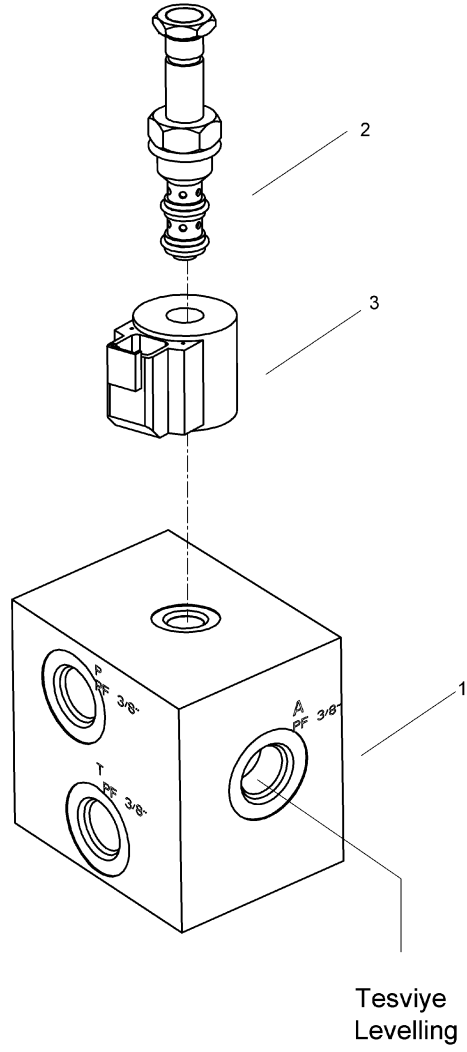
YÜRÜYÜŞ PEDAL VALFİ TRAVEL PEDAL VALVE



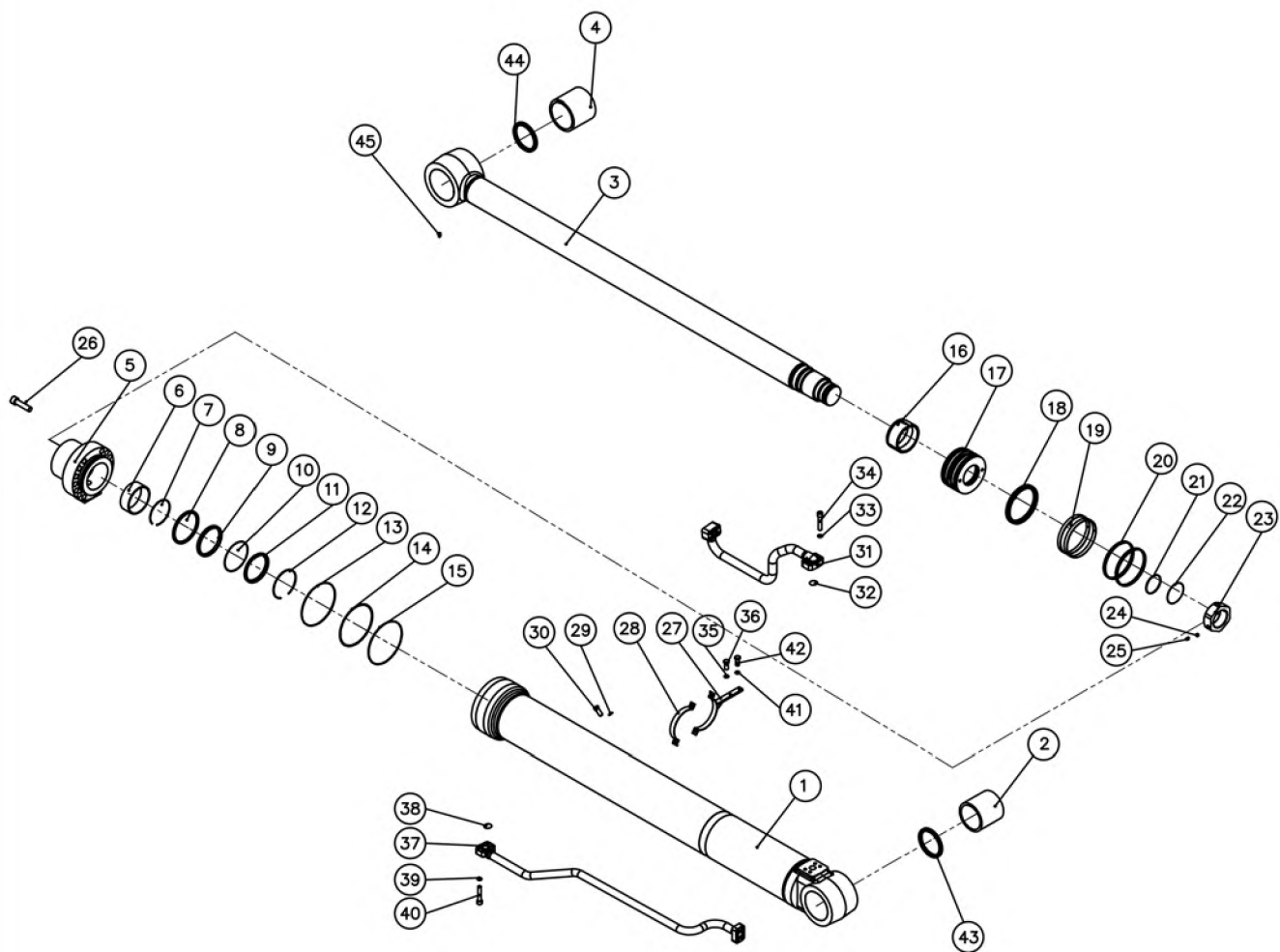
ÇİFT ETKİLİ AYAK PEDALI VE VALFİ (OP)
DOUBLE ACTING PEDAL AND VALVE (OP)

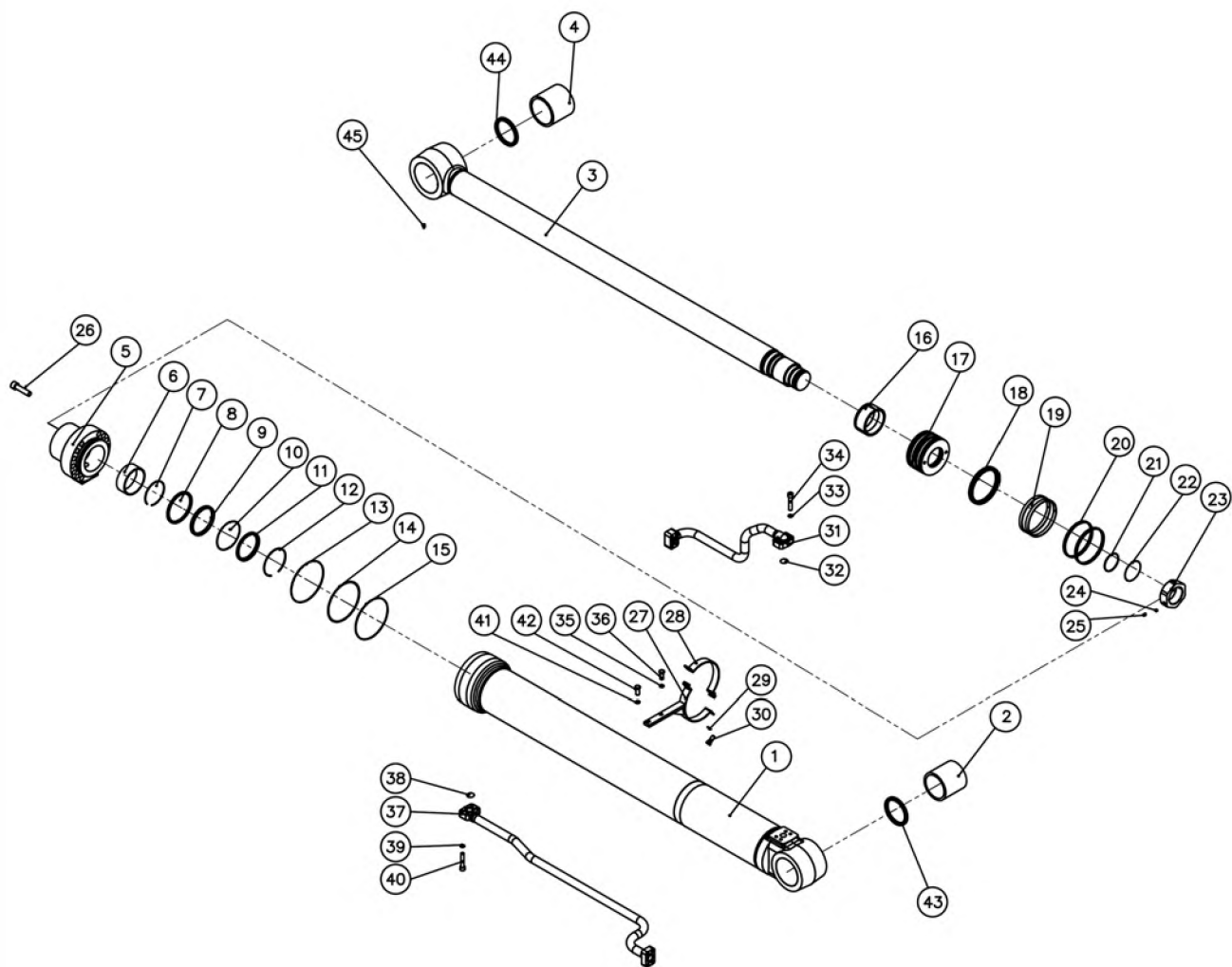


1'Lİ SOLENOİD VALF
SOLENOID VALVE, 1 SECTION

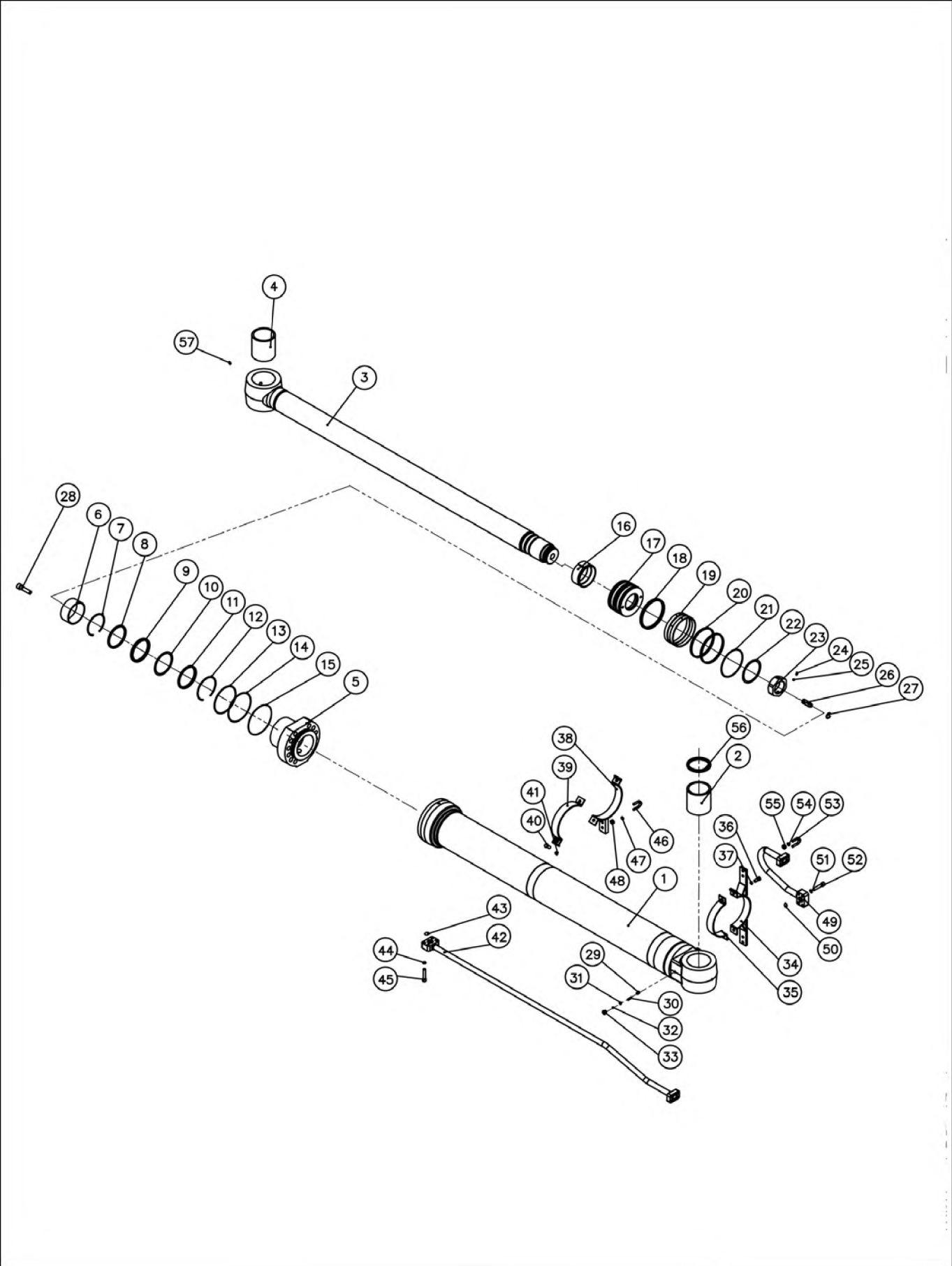


BOM SİLİNDİRİ, SAĞ BOOM CYLINDER, RH

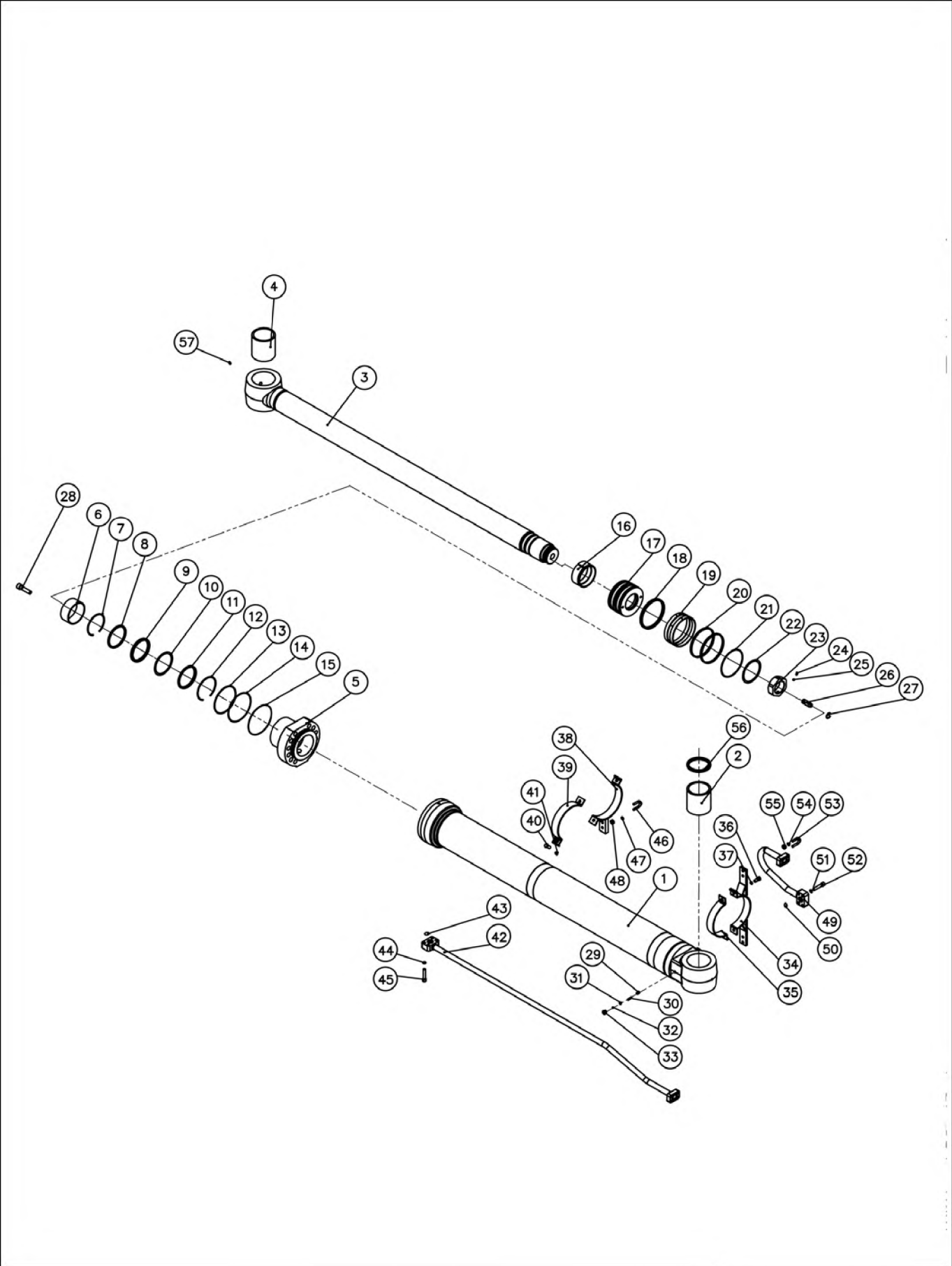


**BOM SİLİNDİRİ, SOL
BOOM CYLINDER, LH**

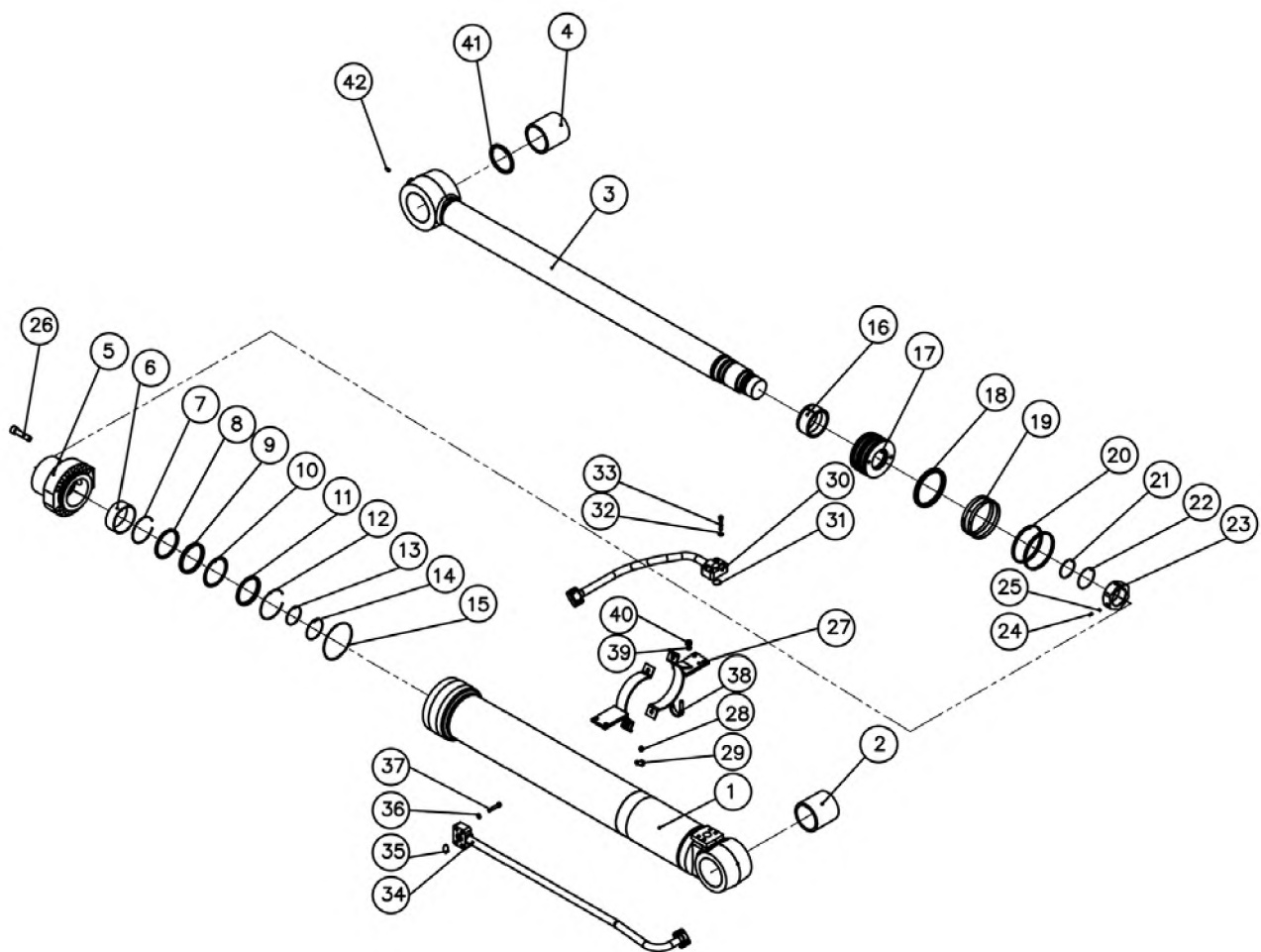
ARM SİLİNDİRİ
ARM CYLINDER



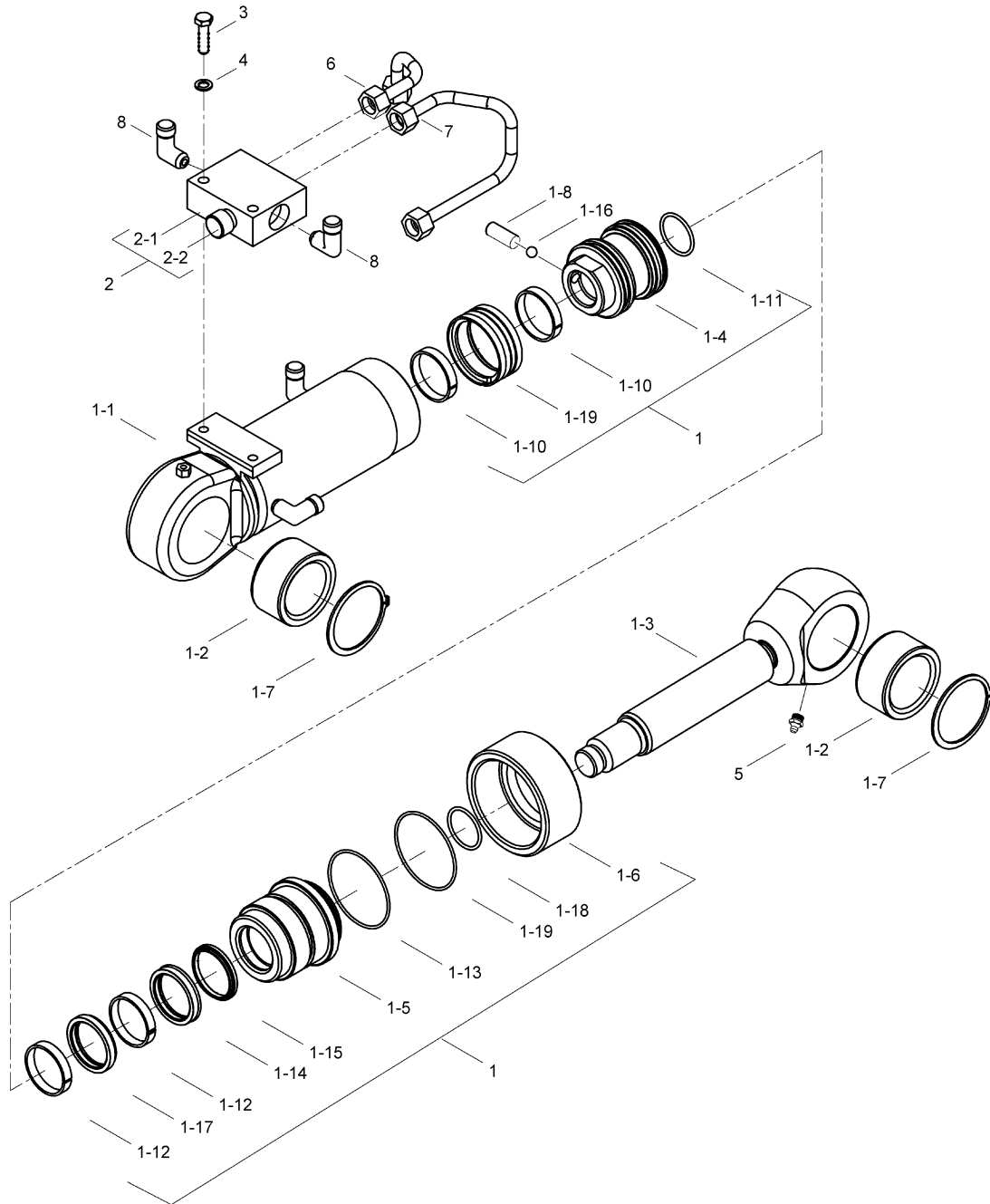
ARM SİLİNDİRİ
ARM CYLINDER



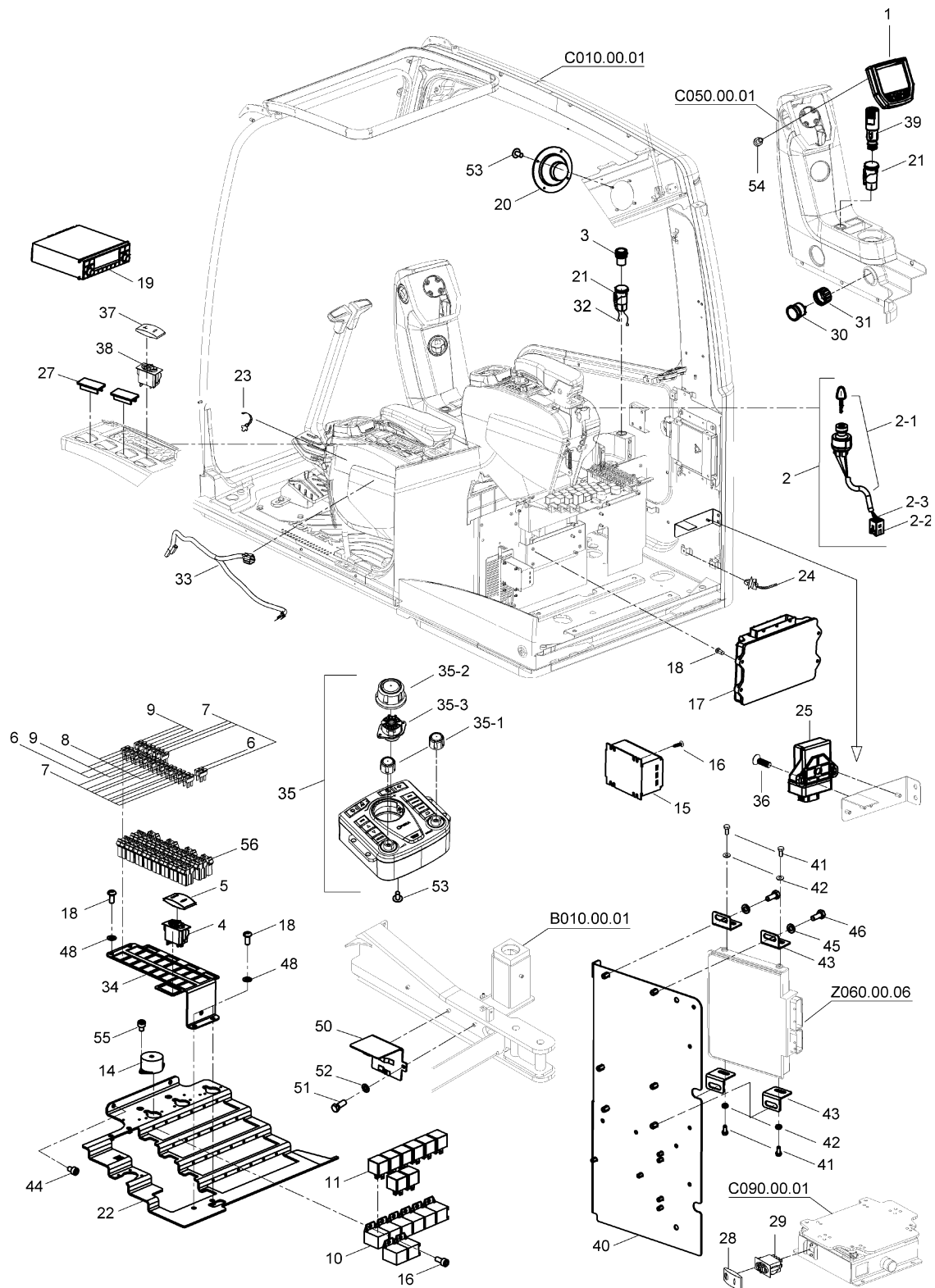
KEPÇE SİLİNDİRİ BUCKET CYLINDER



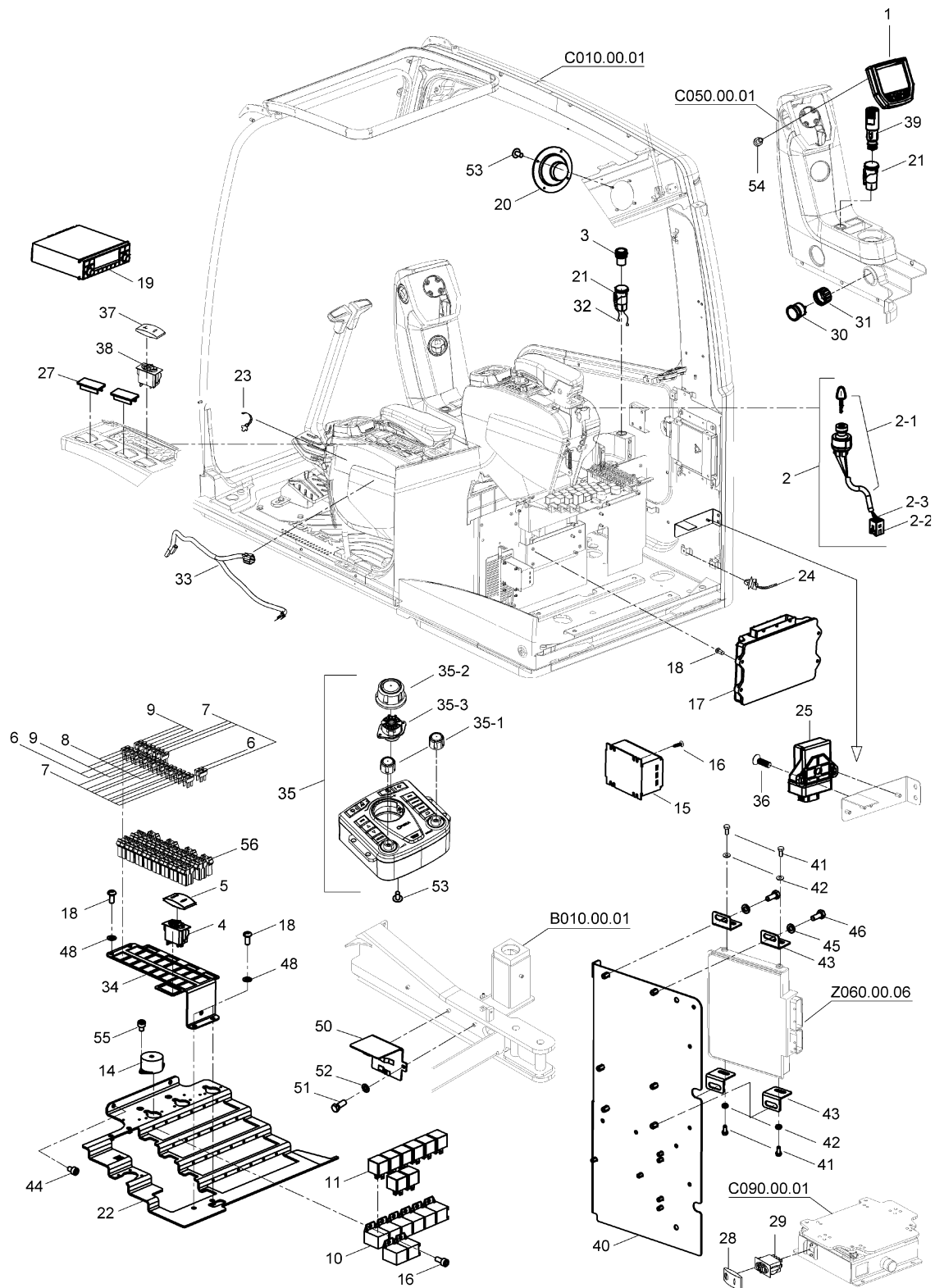
ÇABUK SÖK-TAK SİLİNDİRİ (OP)
QUICK COUPLER CYLINDER (OP)



ELEKTRİK PARÇALARI (1) ELECTRIC PARTS (1)

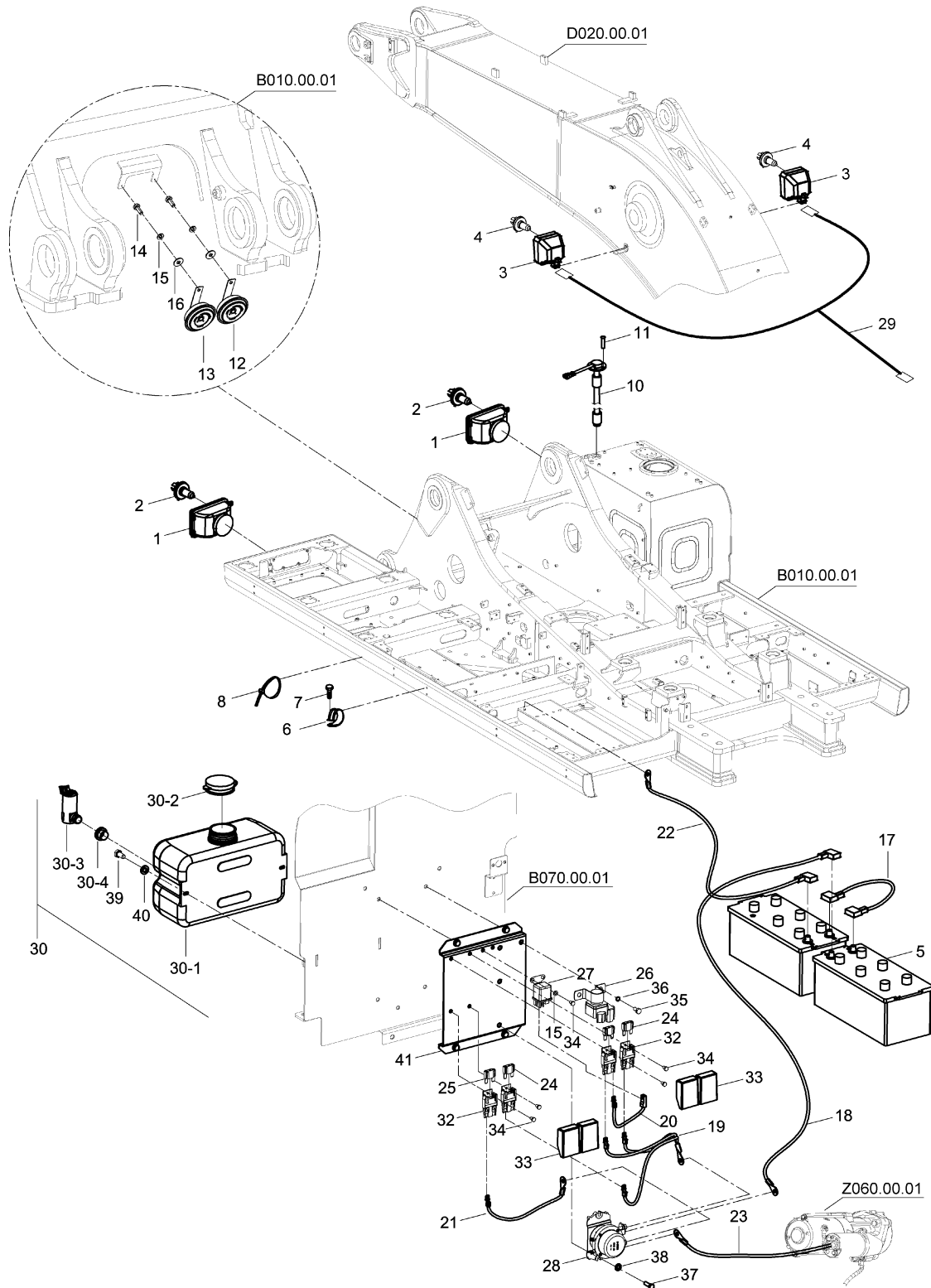


ELEKTRİK PARÇALARI (1) ELECTRIC PARTS (1)



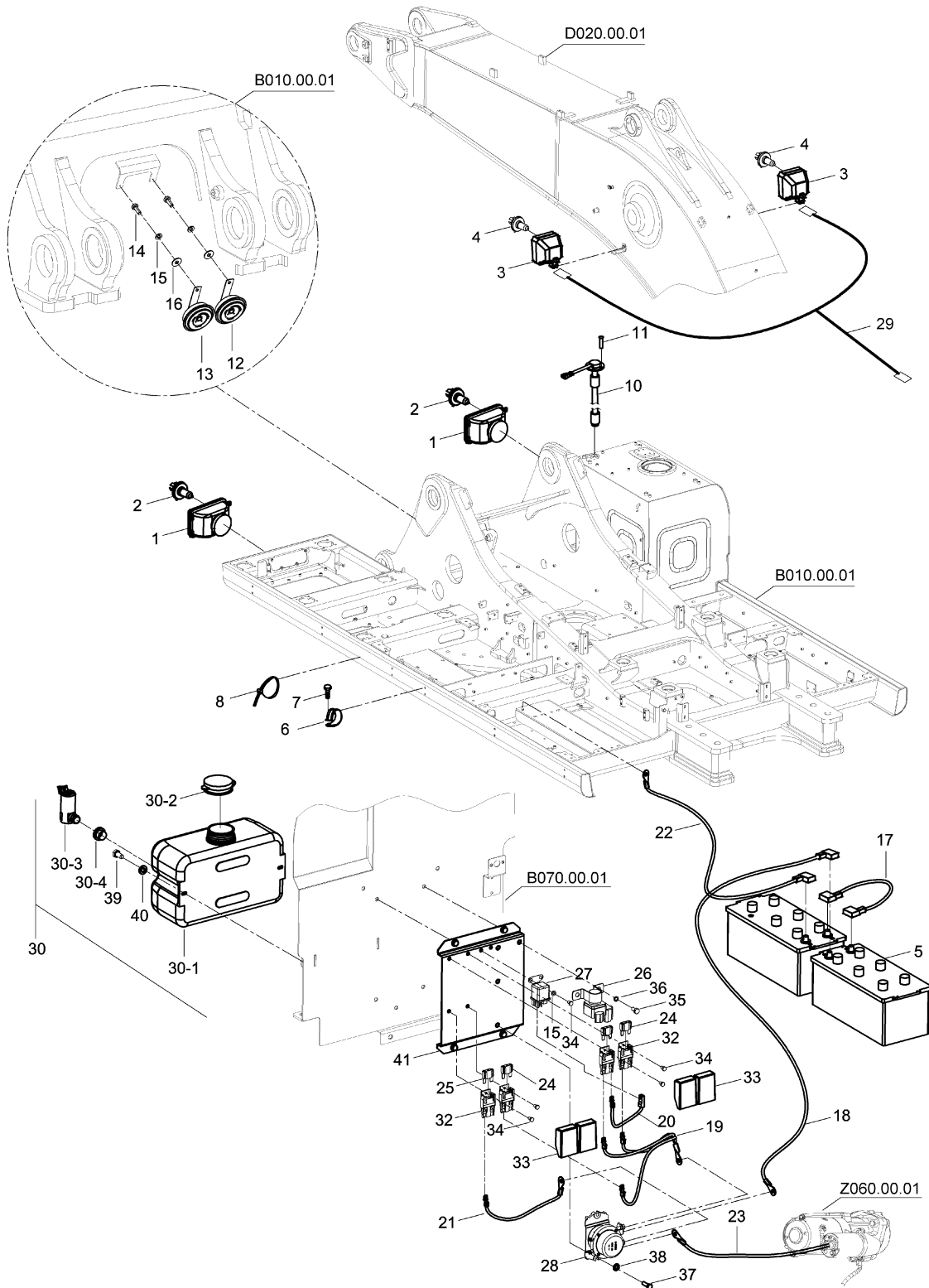
ELEKTRİK PARÇALARI (2)

ELECTRIC PARTS (2)

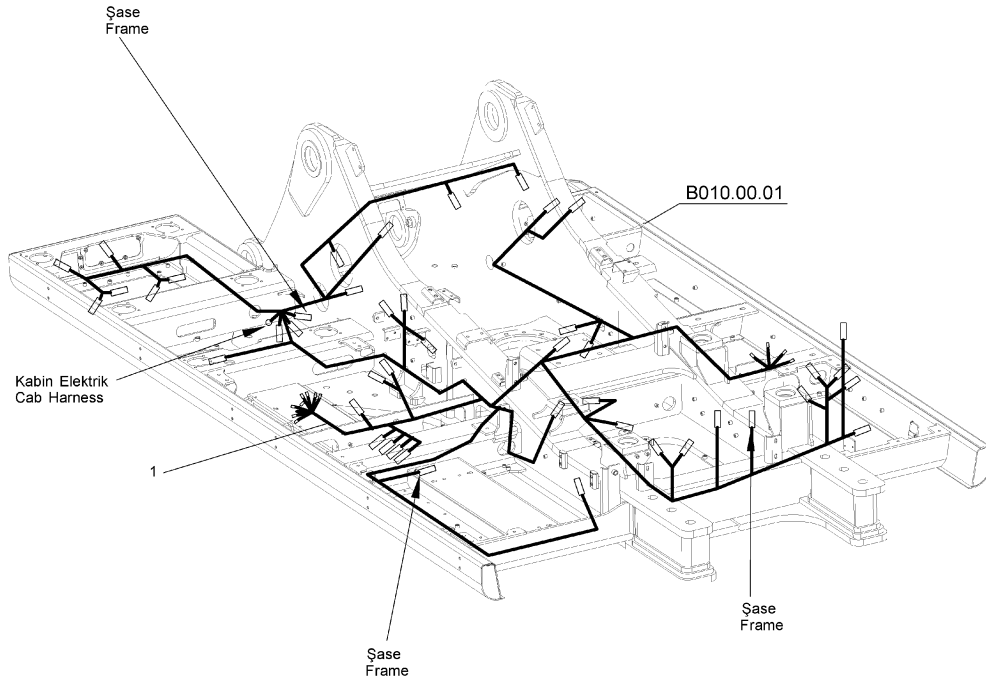


ELEKTRİK PARÇALARI (2)

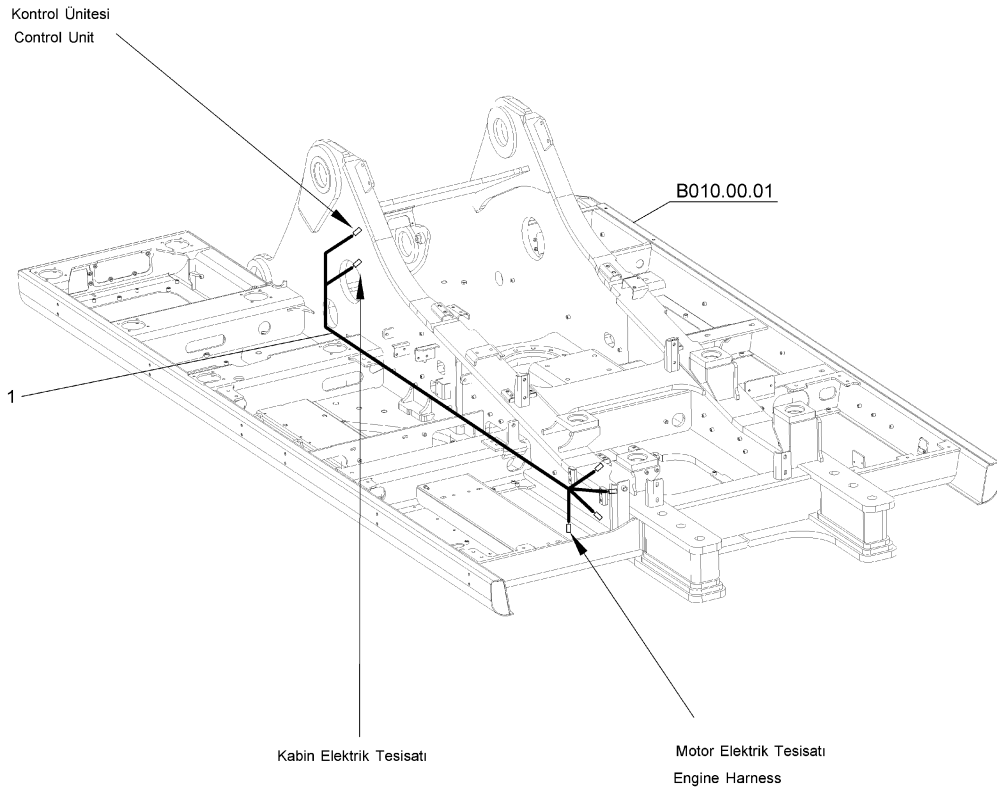
ELECTRIC PARTS (2)



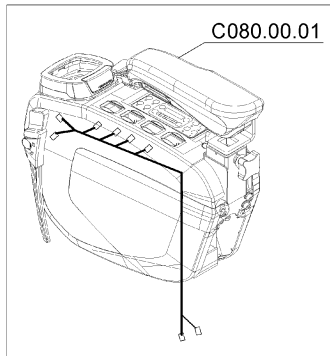
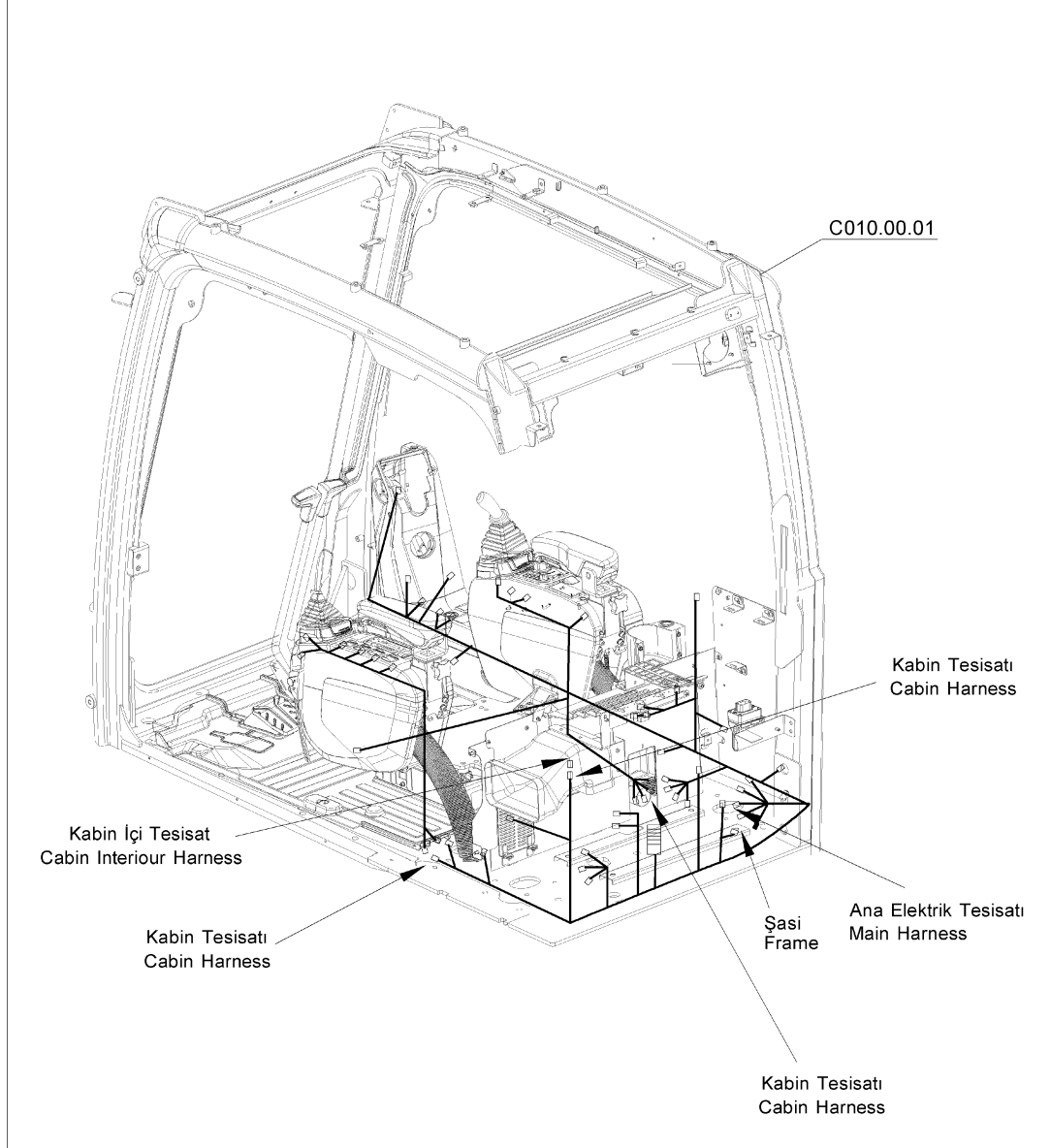
ANA ELEKTRİK TESİSATI MAIN HARNESS



MOTOR ELEKTRİK TESİSATI ENGINE HARNESS



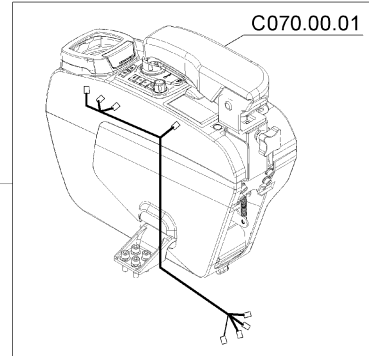
KABİN ELEKTRİK TESİSATI OPERATOR CAB HARNESS



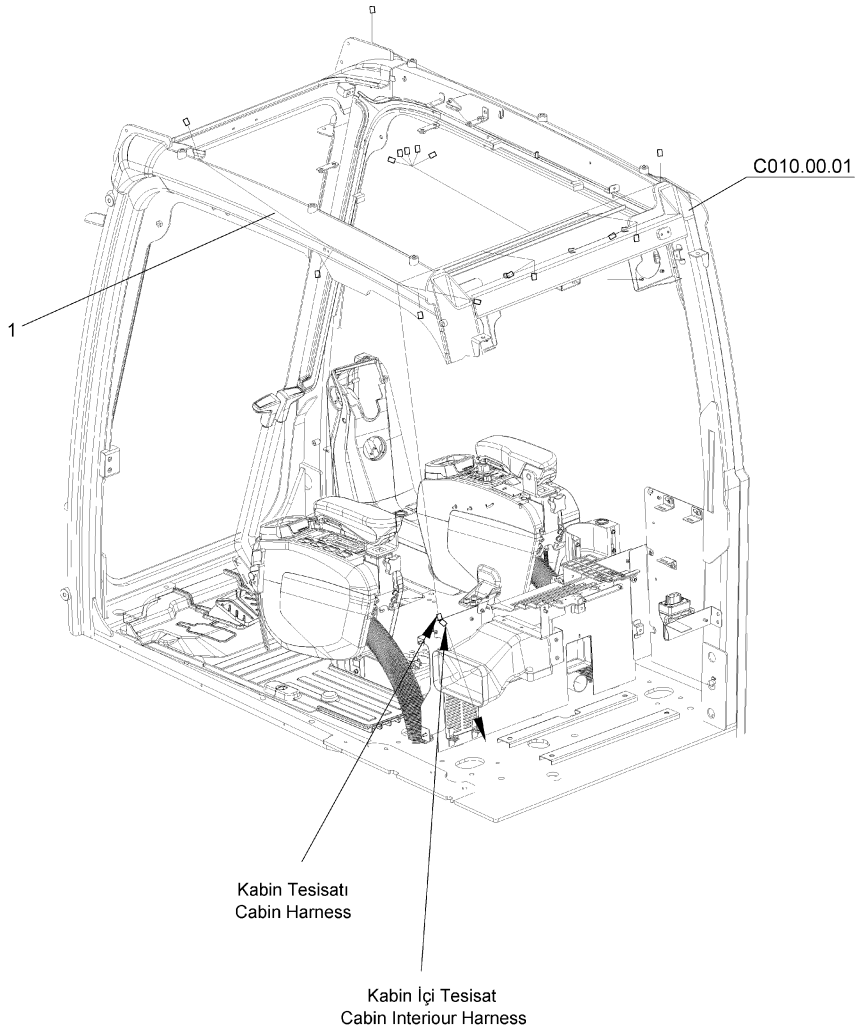
1

2

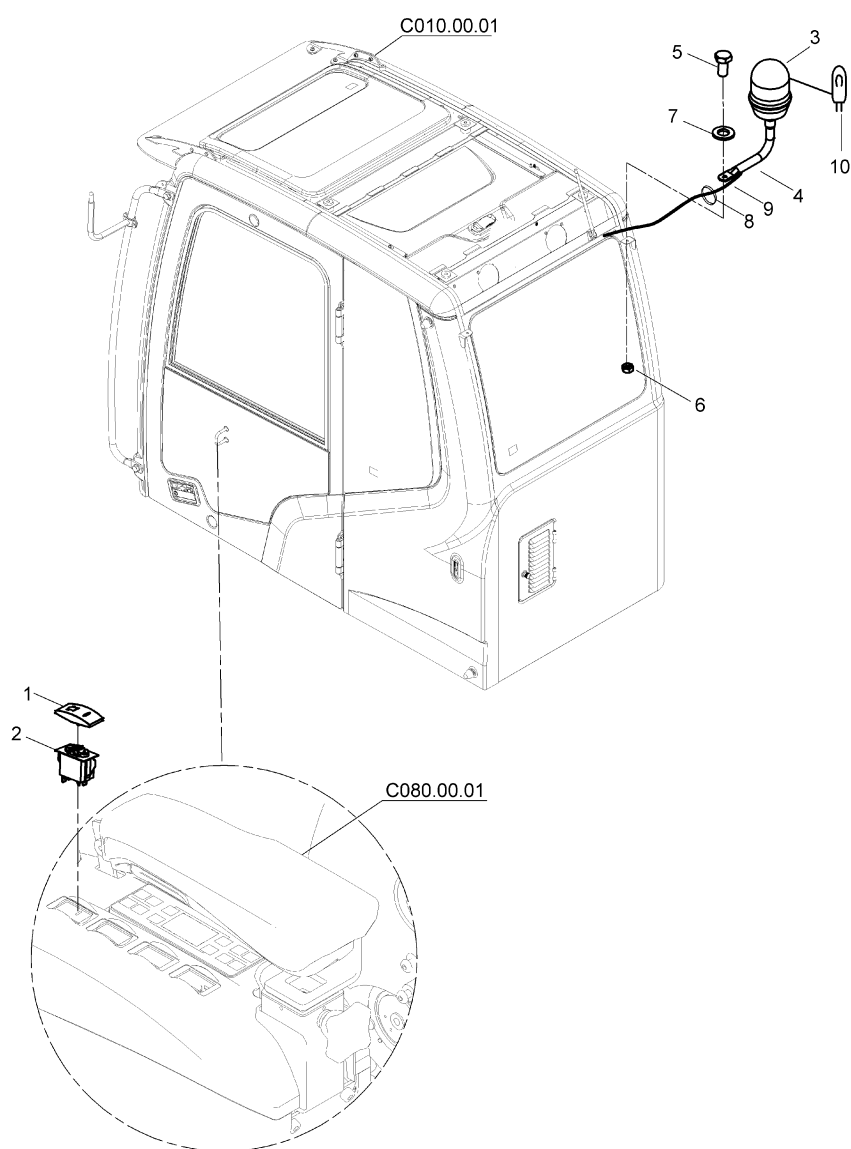
3



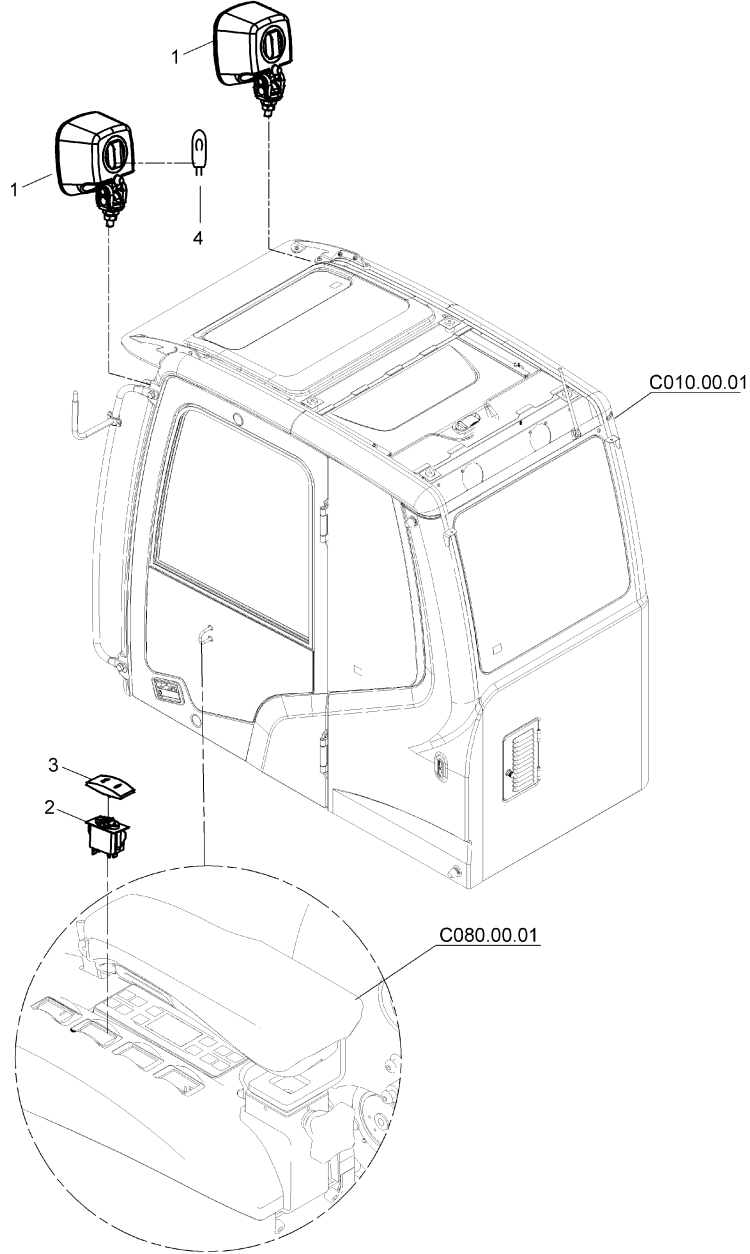
KABİN İÇİ ELEKTRİK TESİSATI OPERATOR CAB INTERIOR HARNESS



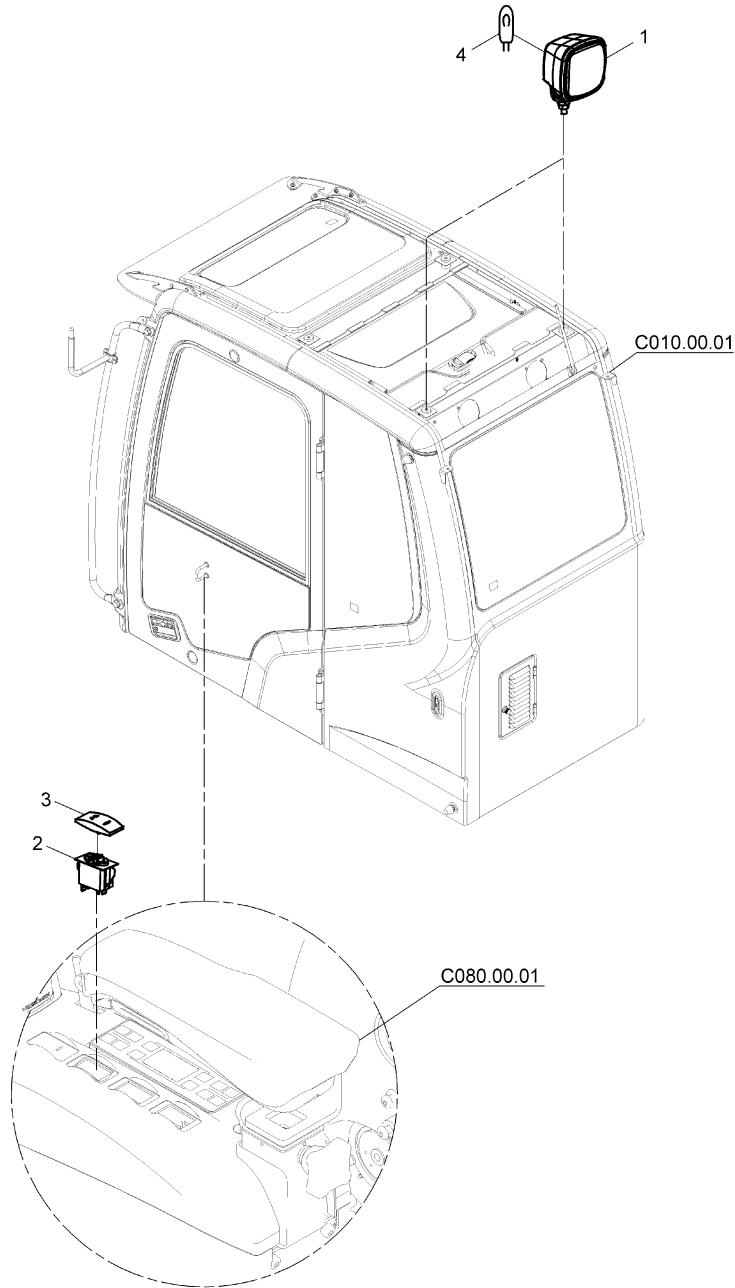
TEPE LAMBASI MONTAJI (OP)
BEACON LAMP MOUNTING (OP)



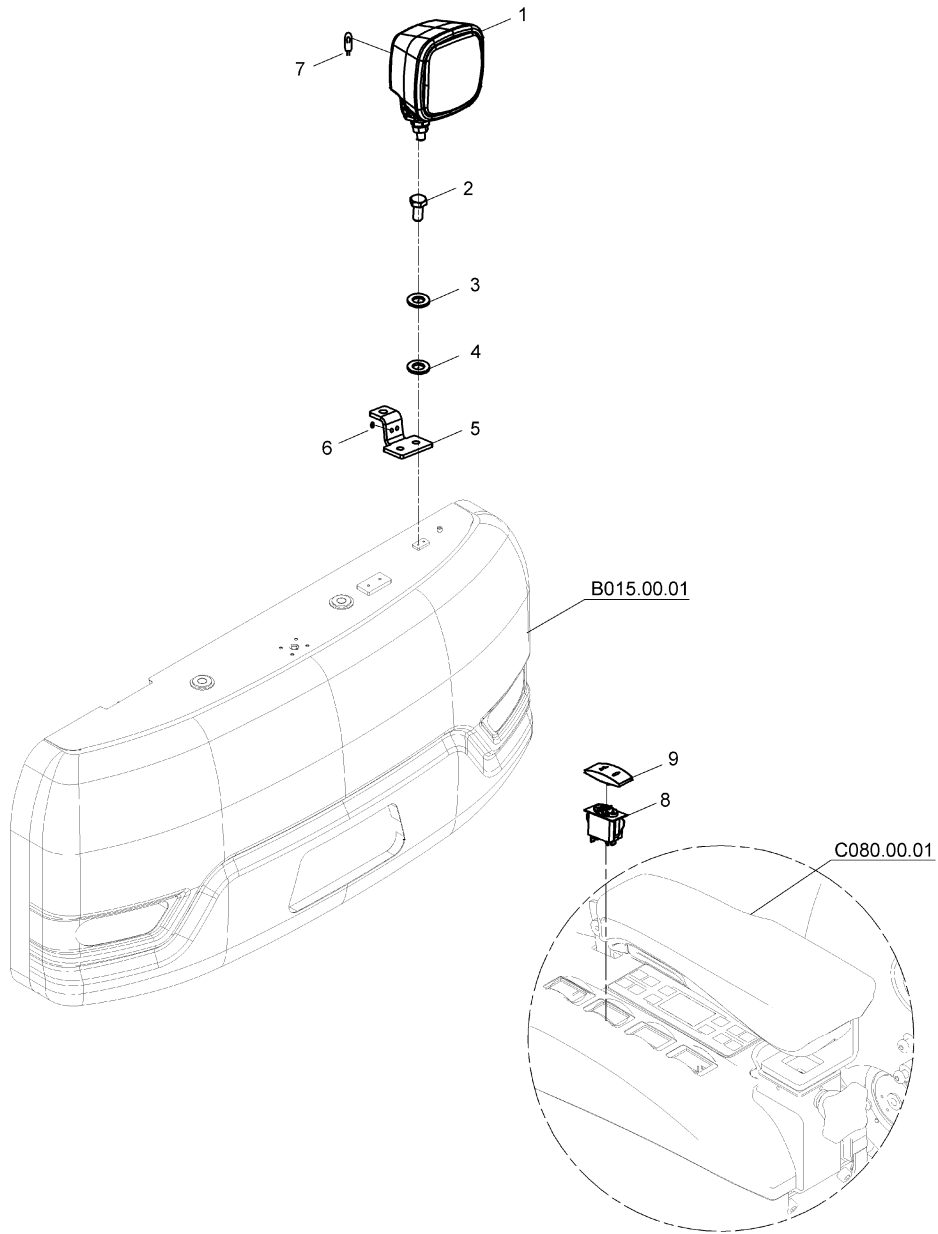
ÖN ÇALIŞMA LAMBASI MONTAJI (OP)
WORK LAMP MOUNTING, FRONT (OP)



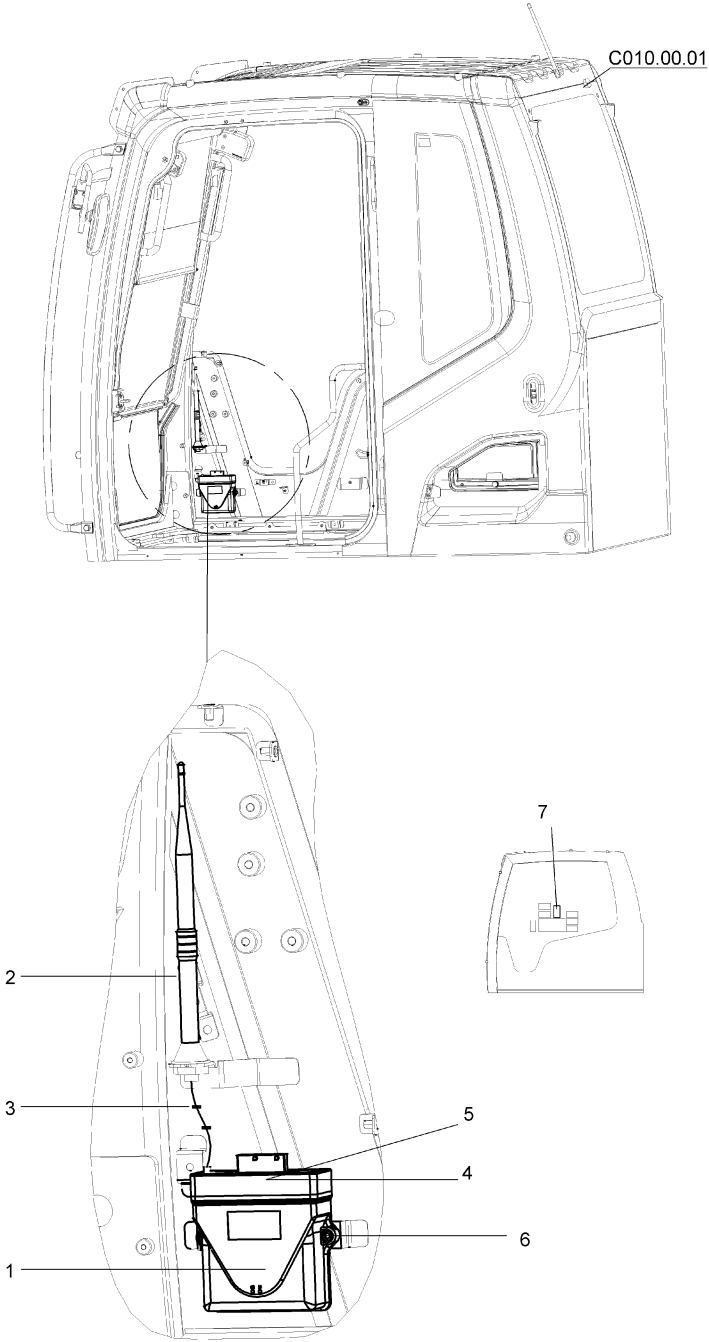
ARKA ÇALIŞMA LAMBASI MONTAJI (OP)
WORK LAMP MOUNTING, REAR (OP)



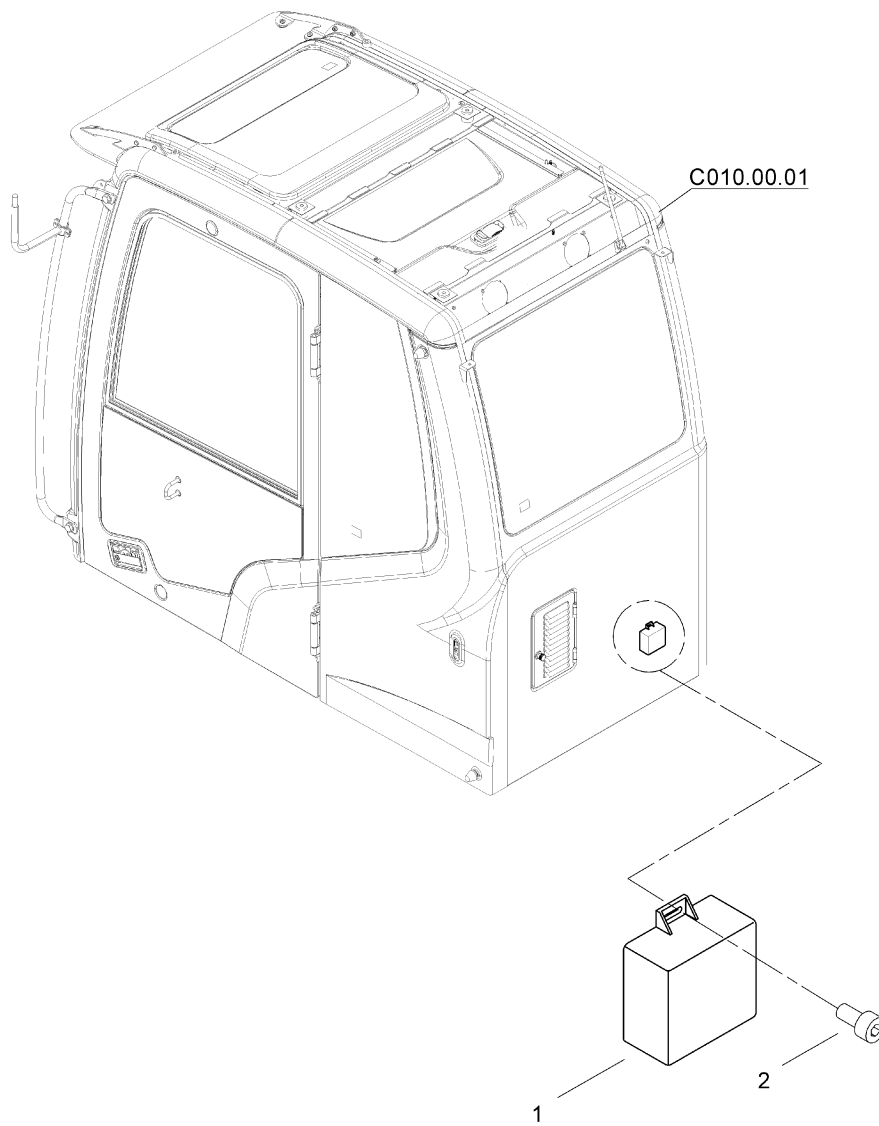
ARKA AĞIRLIK ÇALIŞMA LAMBASI MONTAJI (OP)
WORK LAMP MOUNTING, COUNTERWEIGHT (OP)



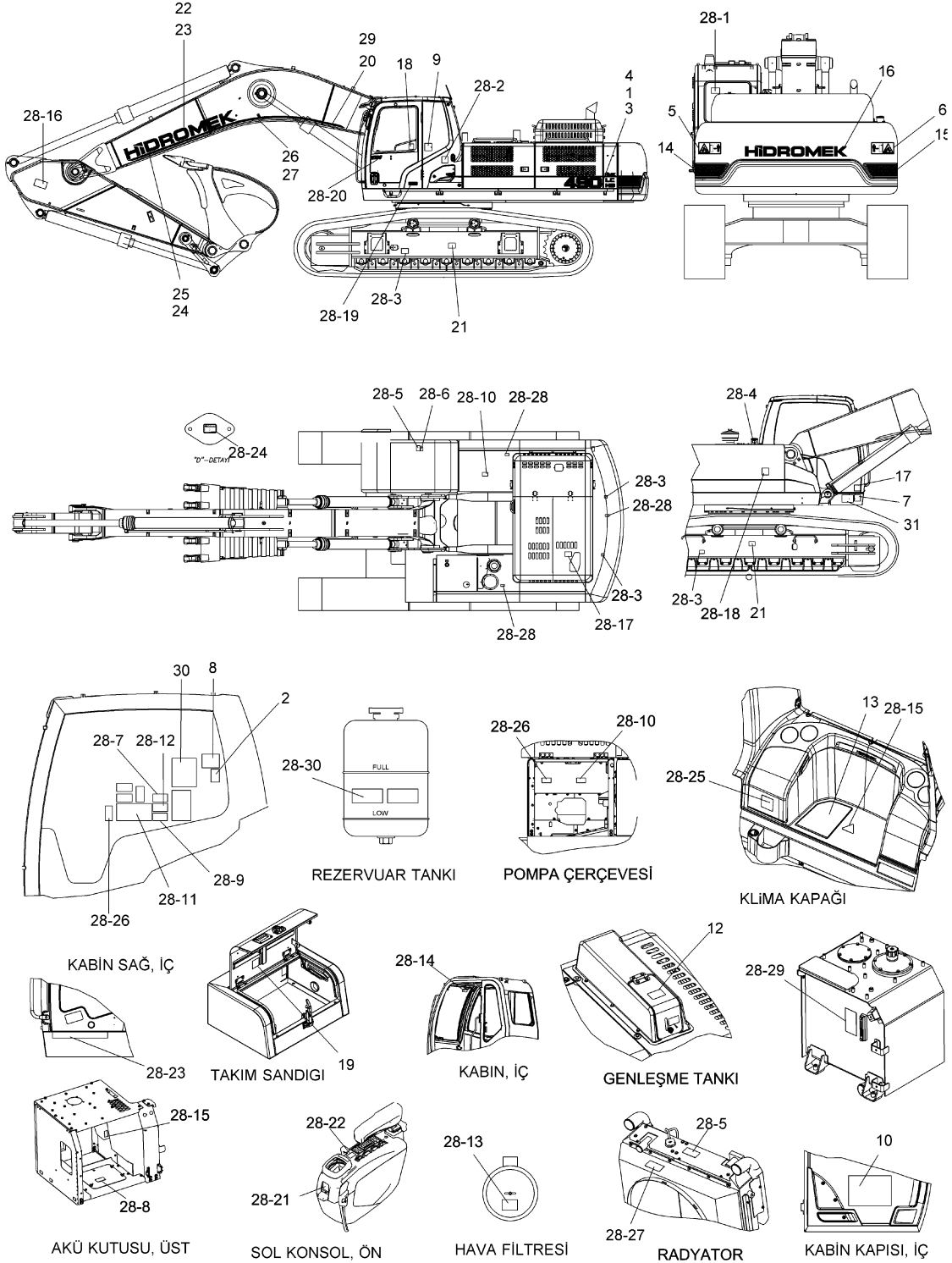
SMARTLINK (OP)
SMARTLINK (OP)



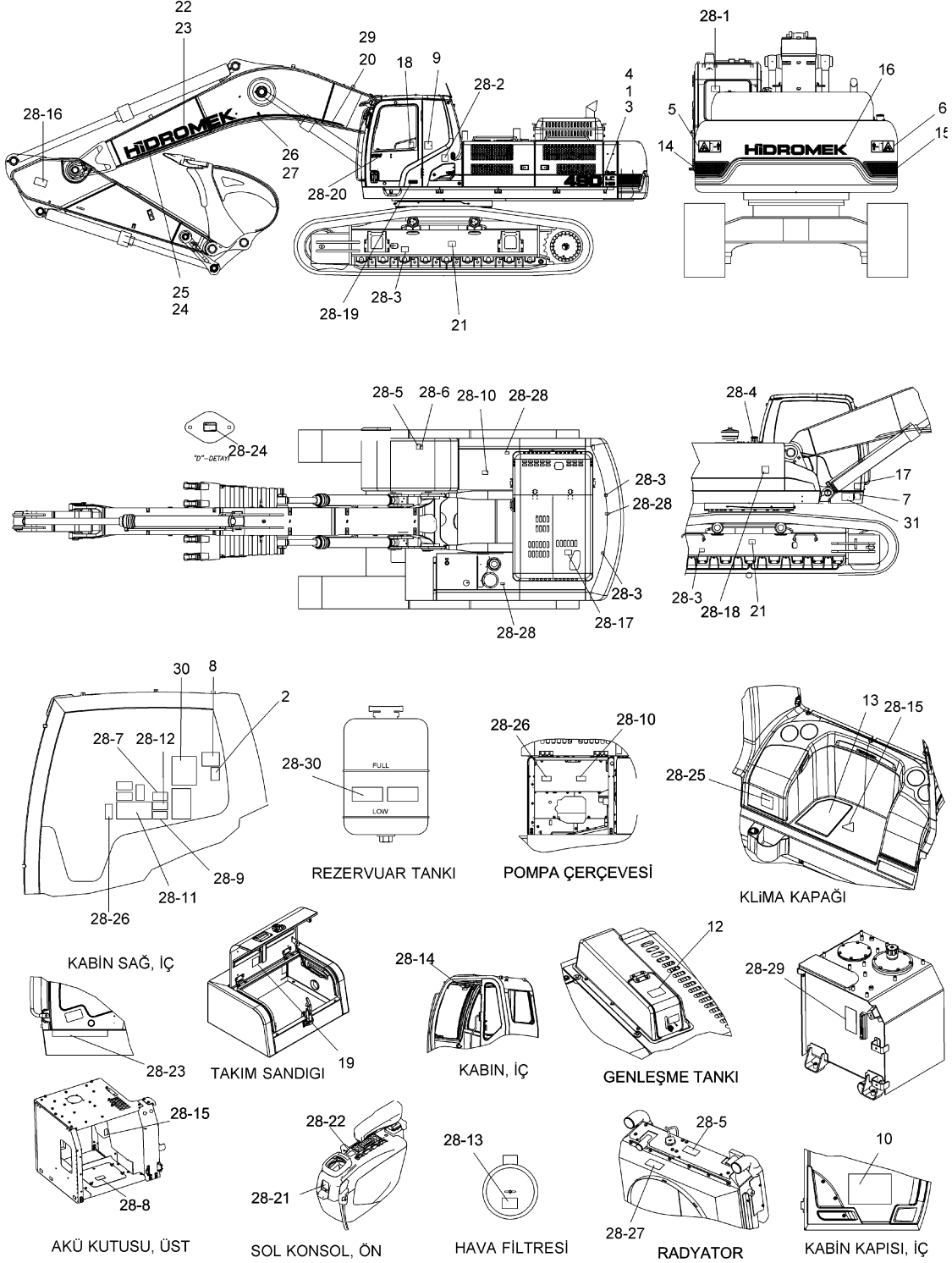
IMMOBILIZER (OP)
IMMOBILIZER (OP)



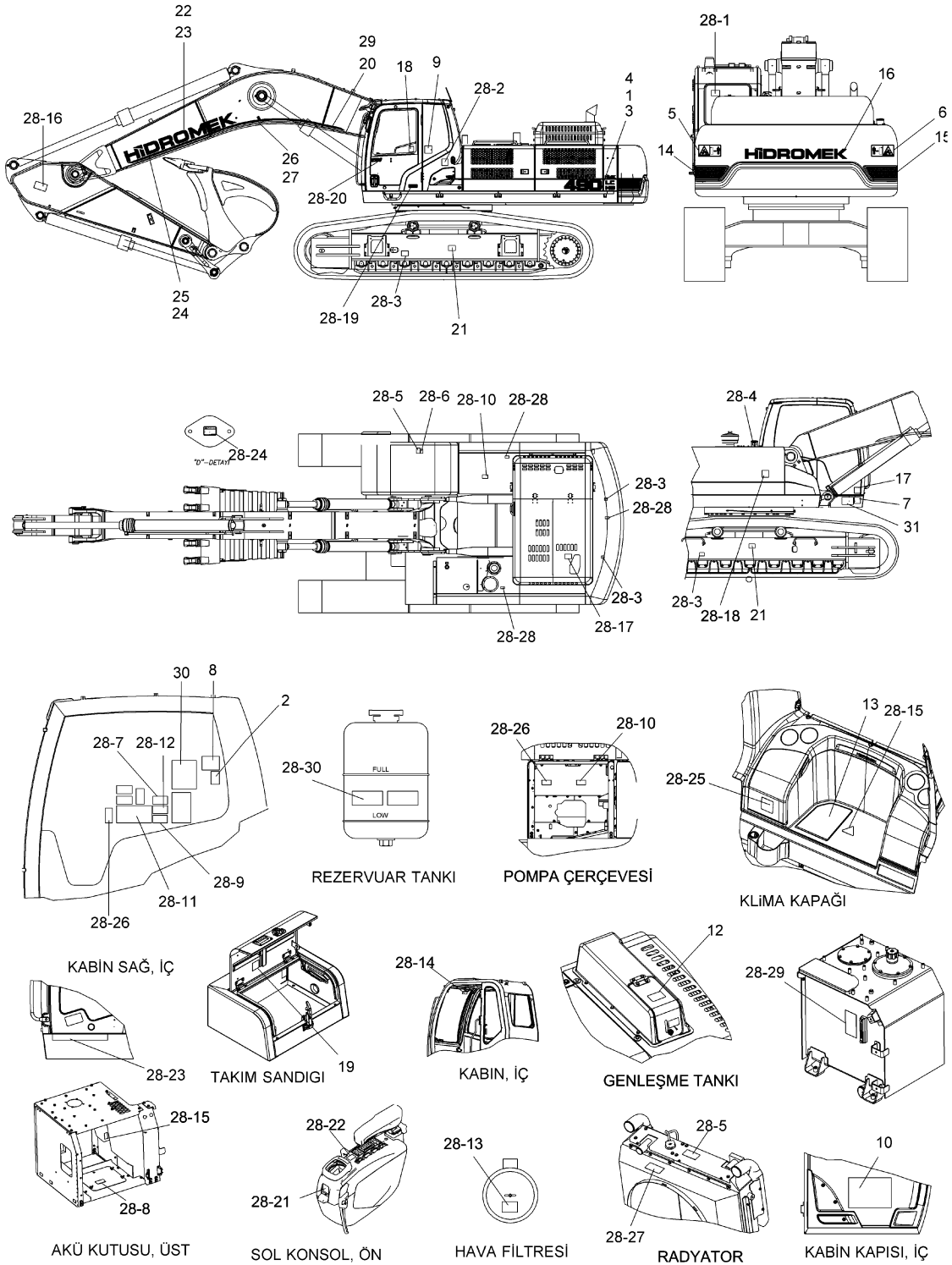
ETİKETLER (TÜRKÇE) DECALS (TURKISH)



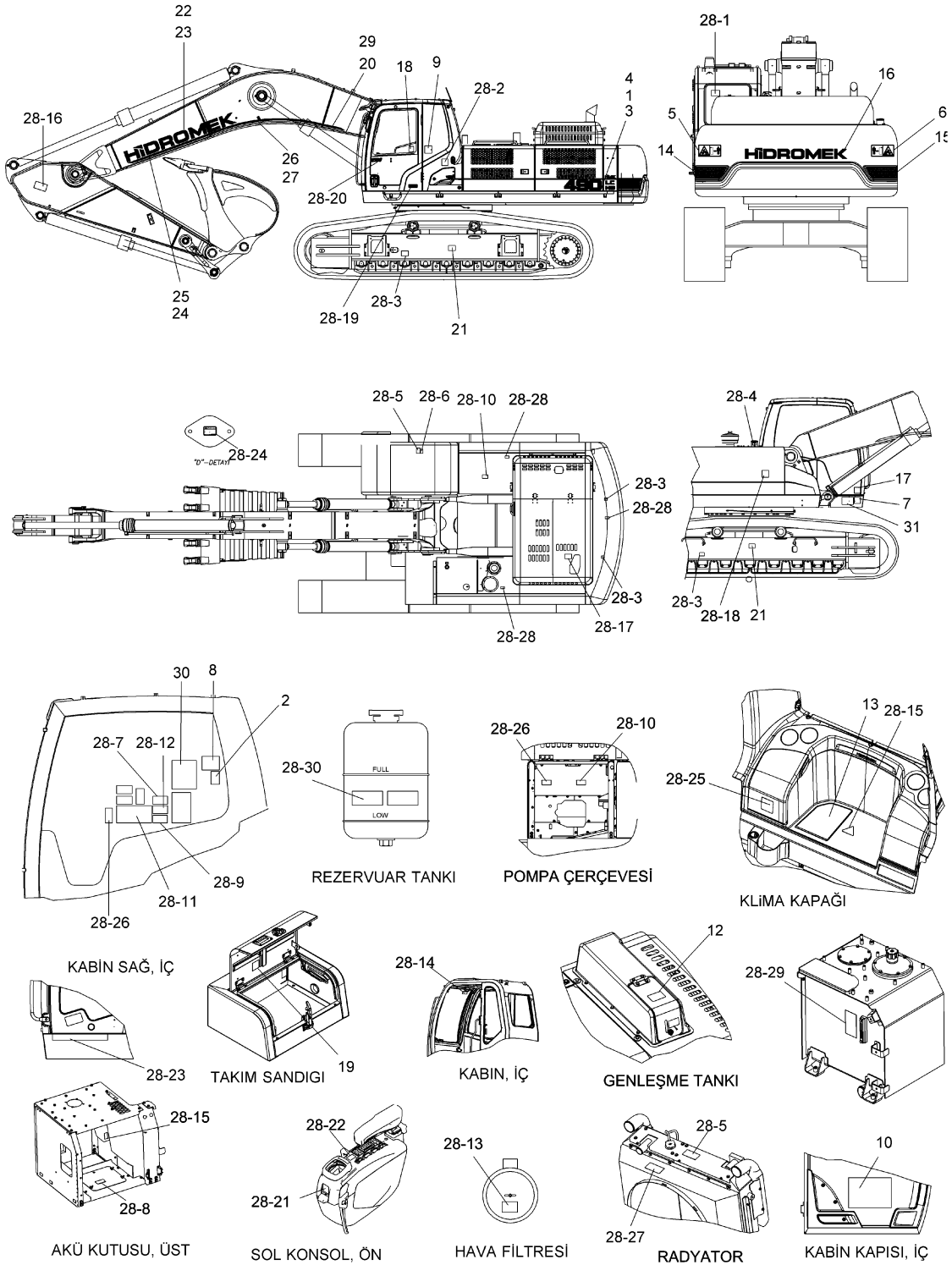
ETİKETLER (TÜRKÇE) DECALS (TURKISH)



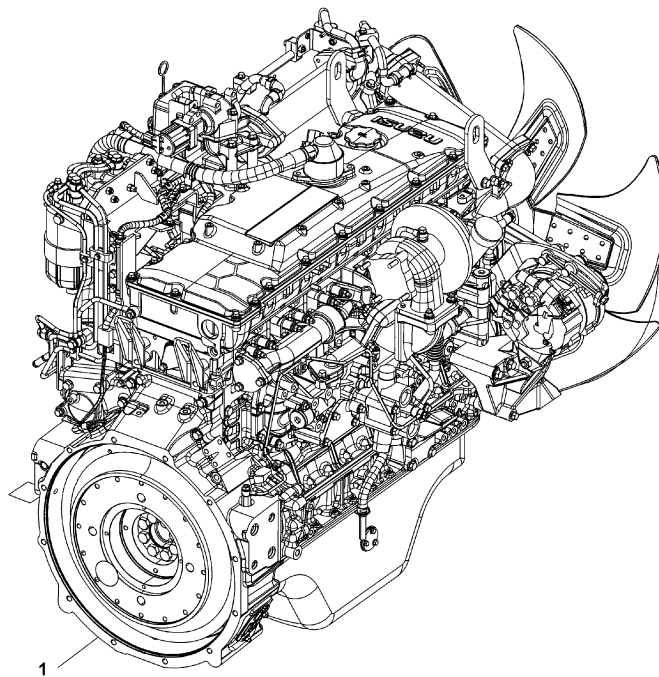
ETİKETLER (İNGİLİZCE) DECALS (ENGLISH)



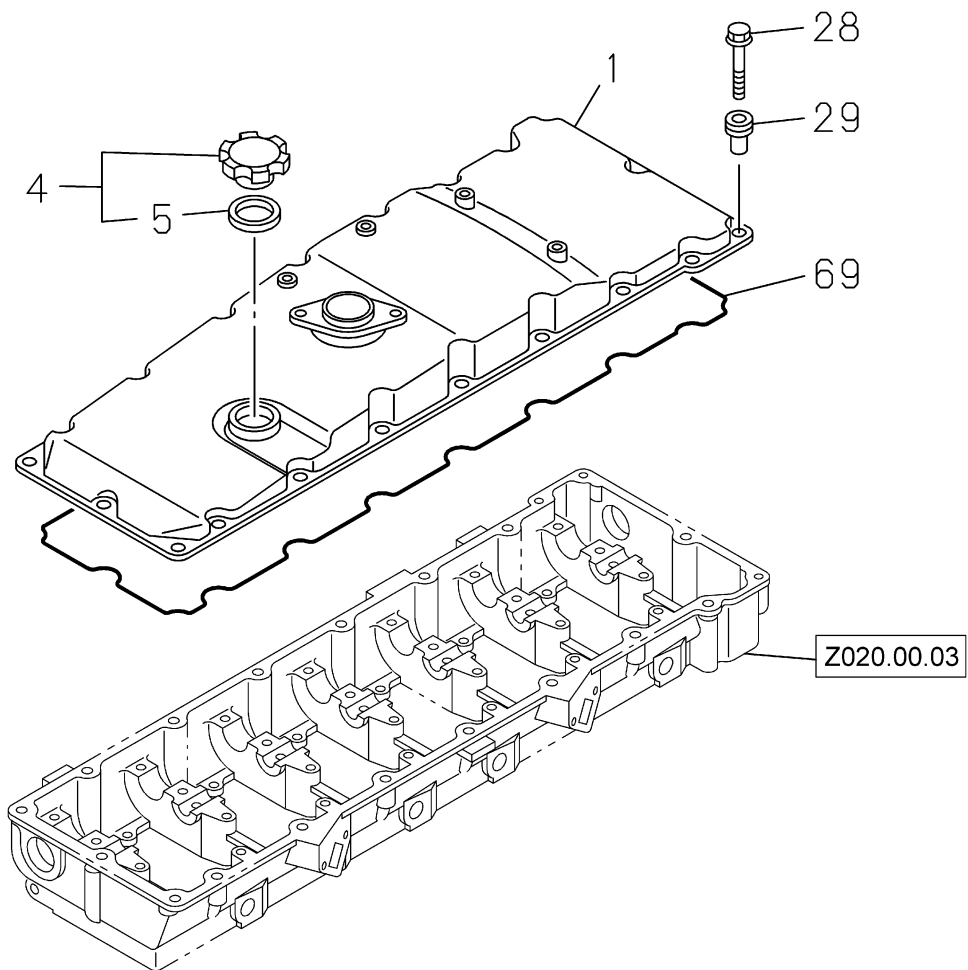
ETİKETLER (İNGİLİZCE) DECALS (ENGLISH)



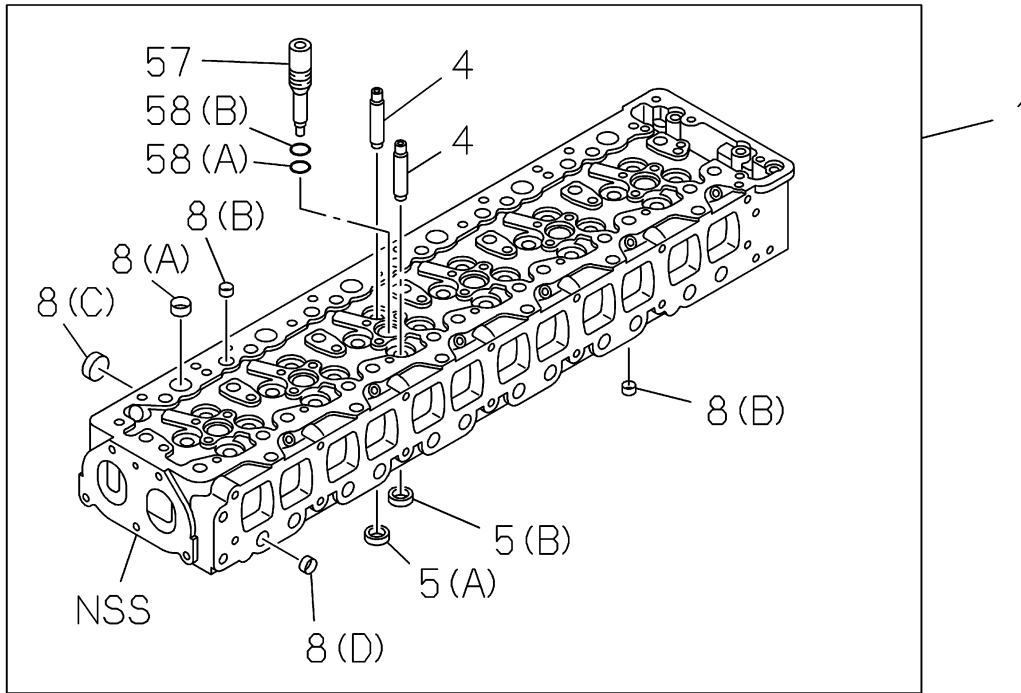
MOTOR ENGINE



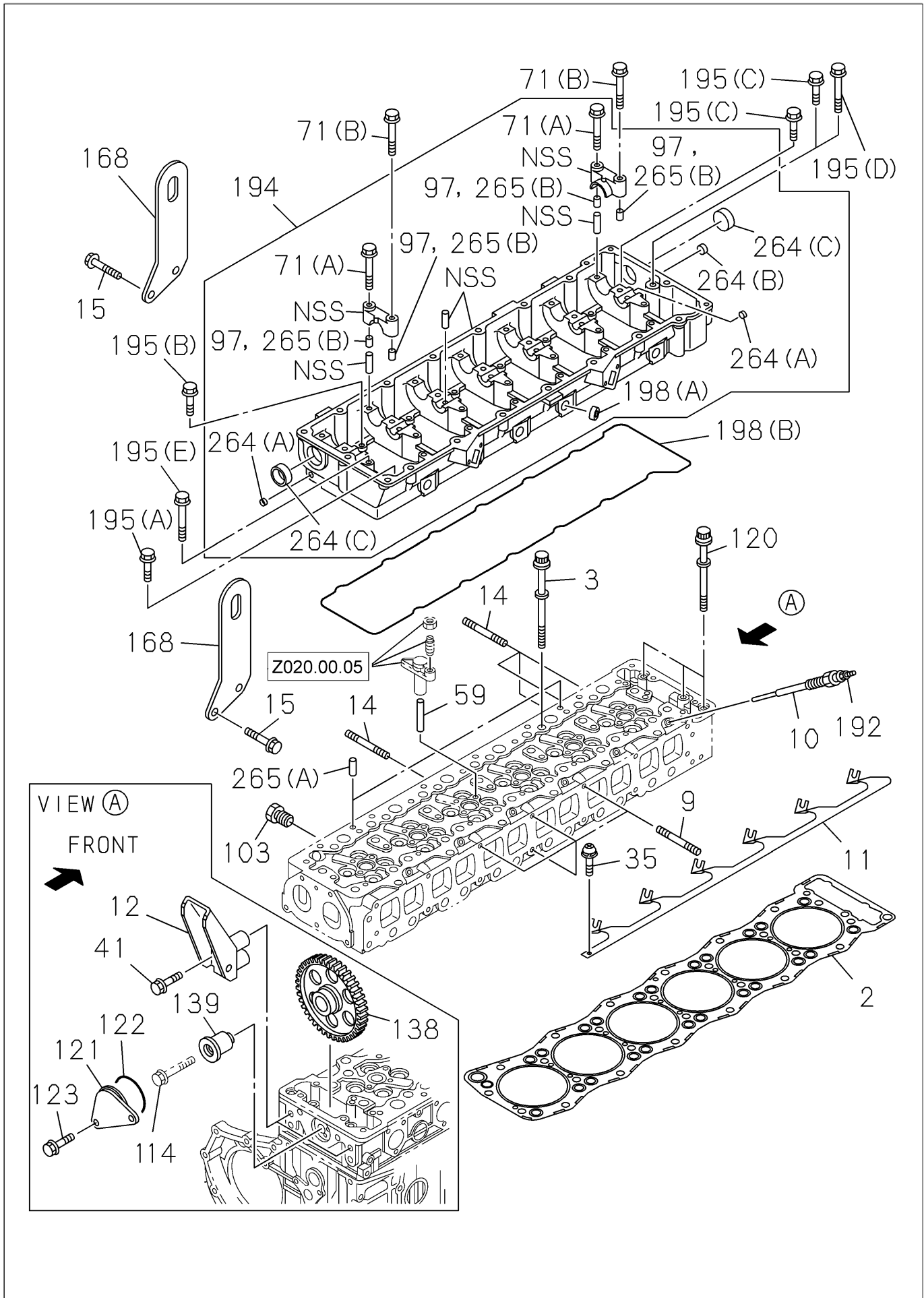
KÜLBÜTÖR KAPAĞI ROCKER ARM COVER



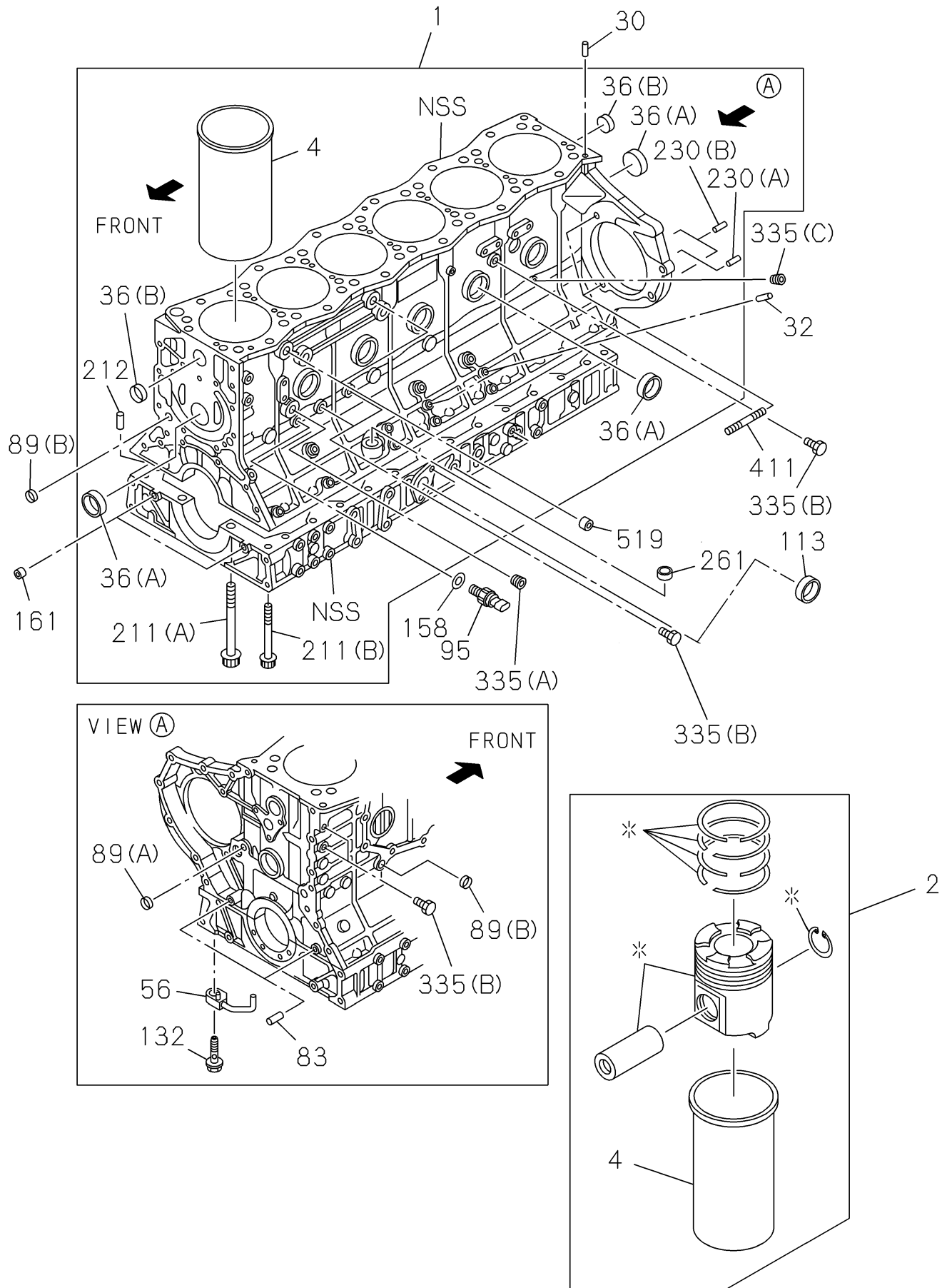
SİLİNDİR KAPAĞI 1 CYLINDER HEAD 1



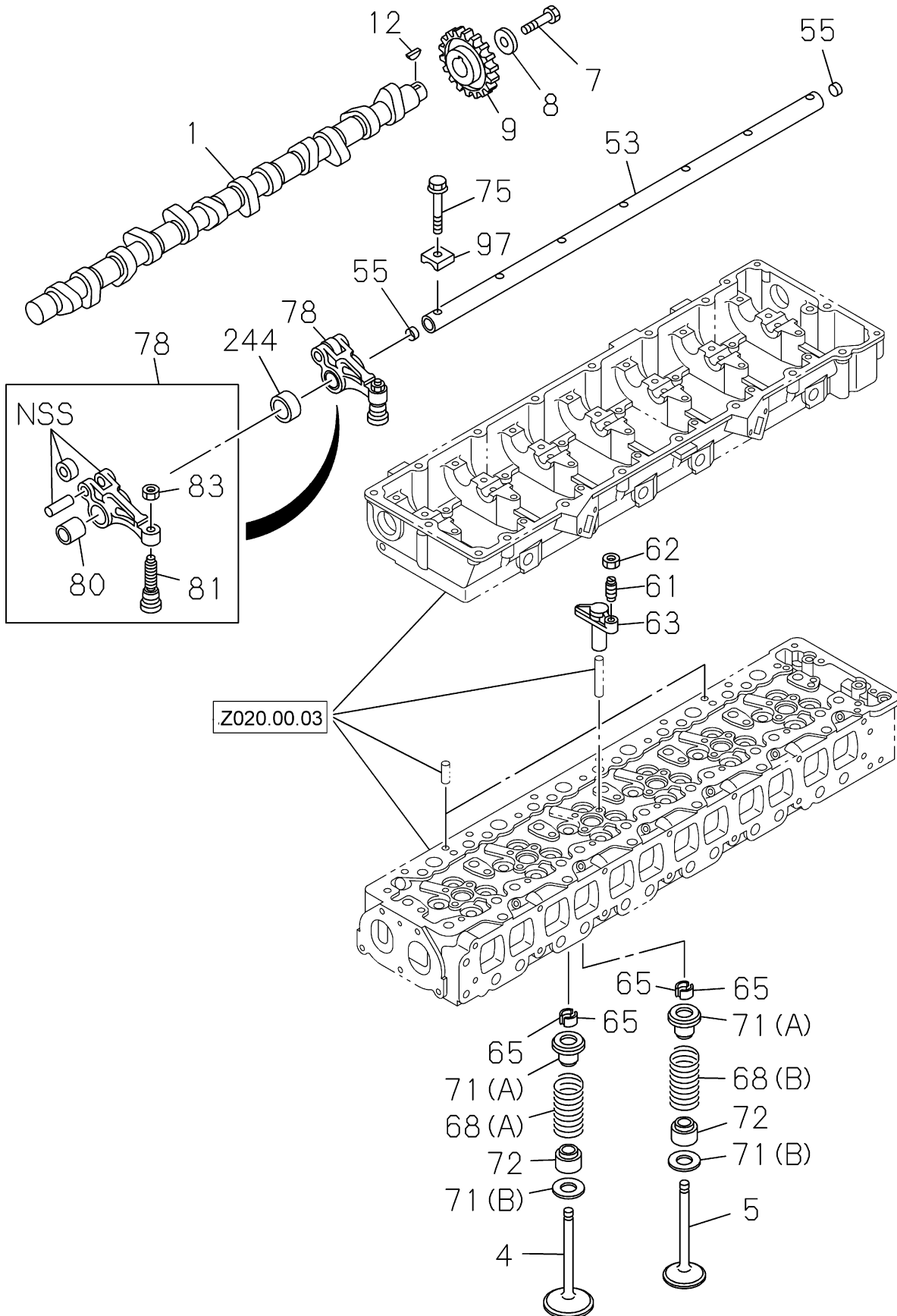
SİLİNDİR KAPAĞI 2 CYLINDER HEAD 2



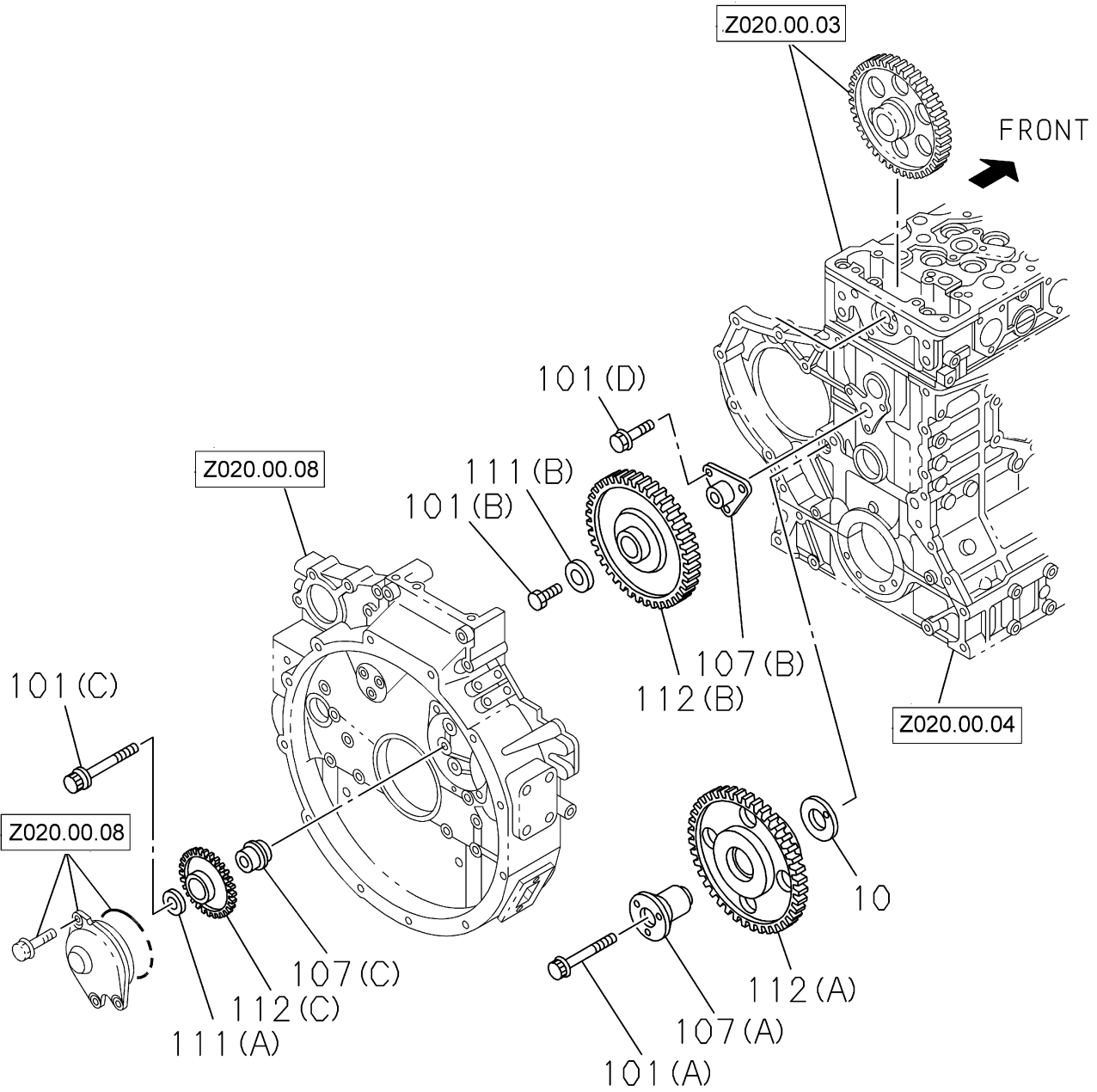
SİLİNDİR BLOĞU CYLINDER BLOCK



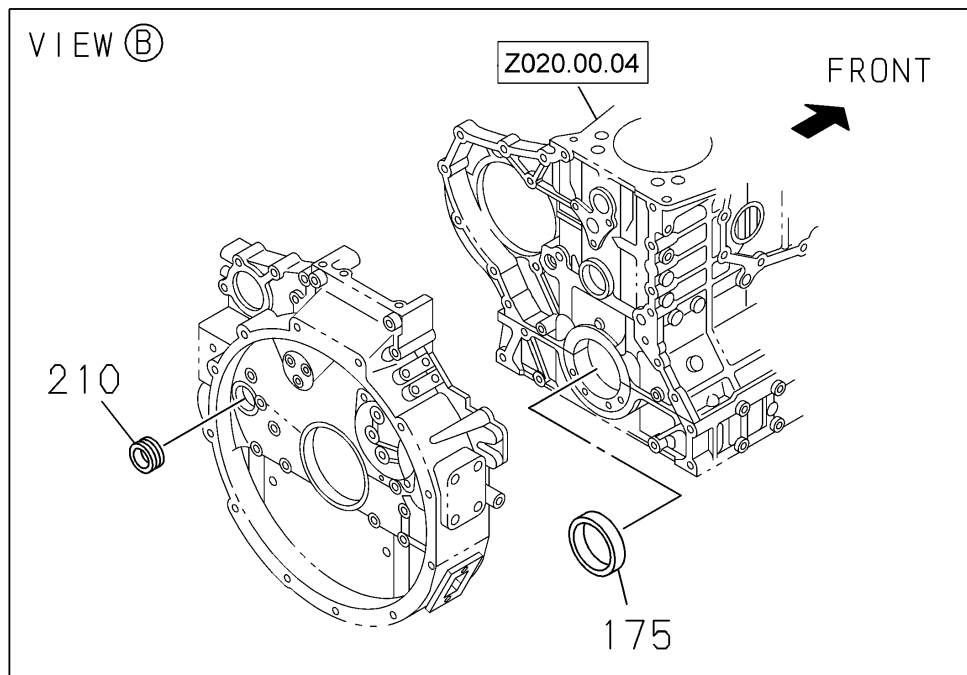
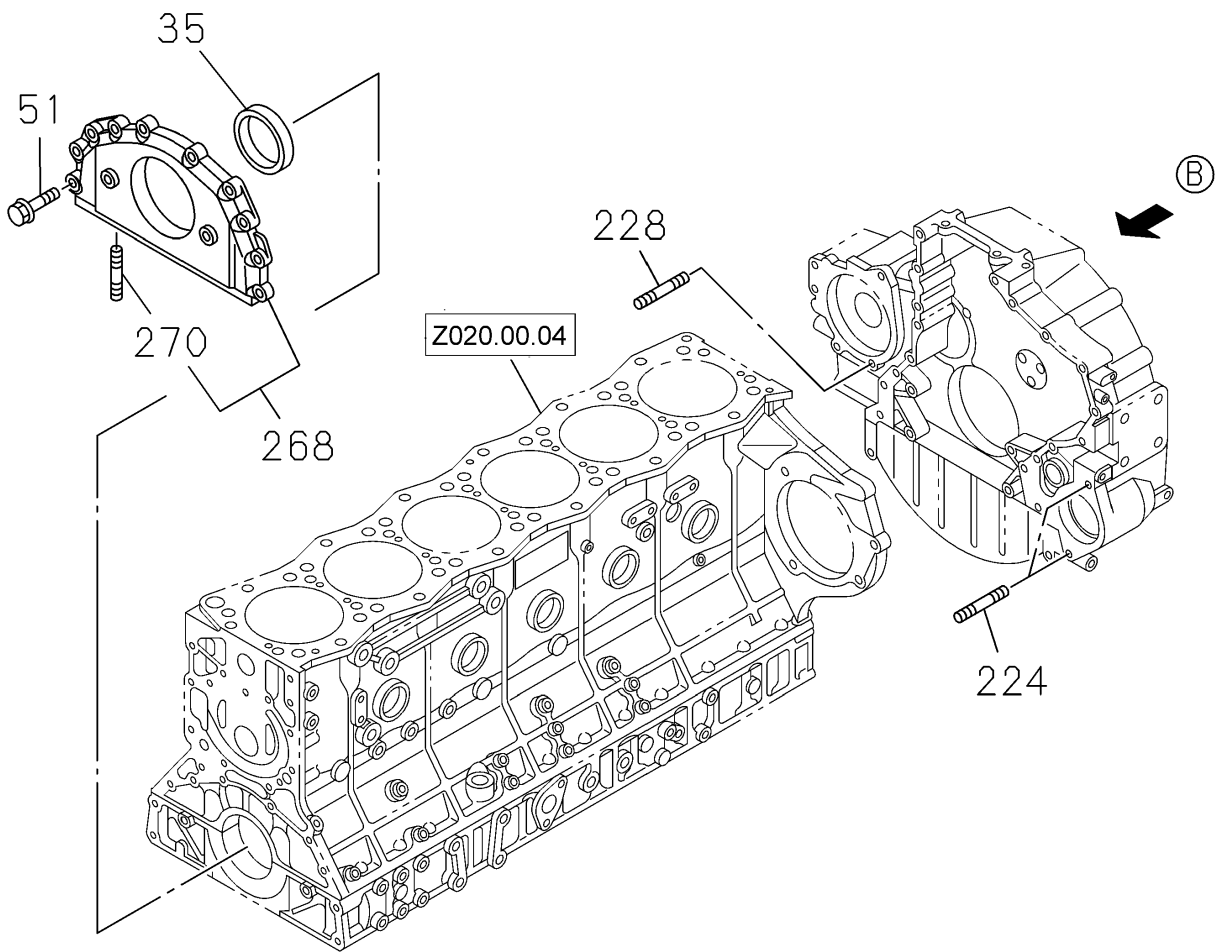
KAM MİLİ VE SUPAPLAR CAM SHAFT & VALVE



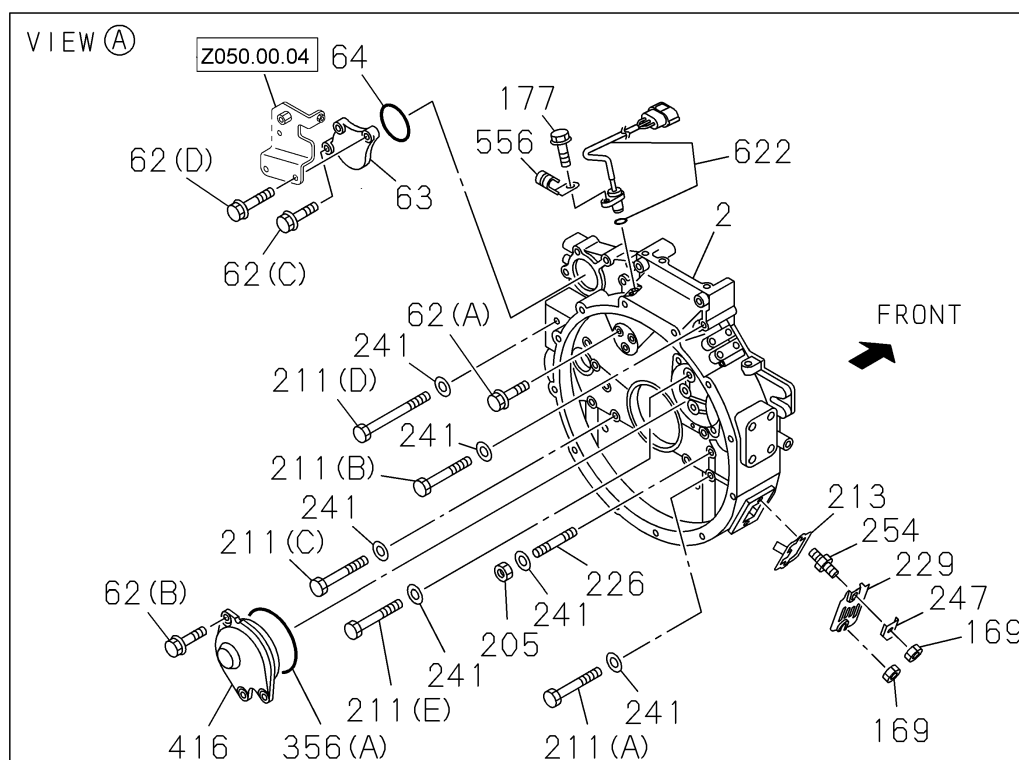
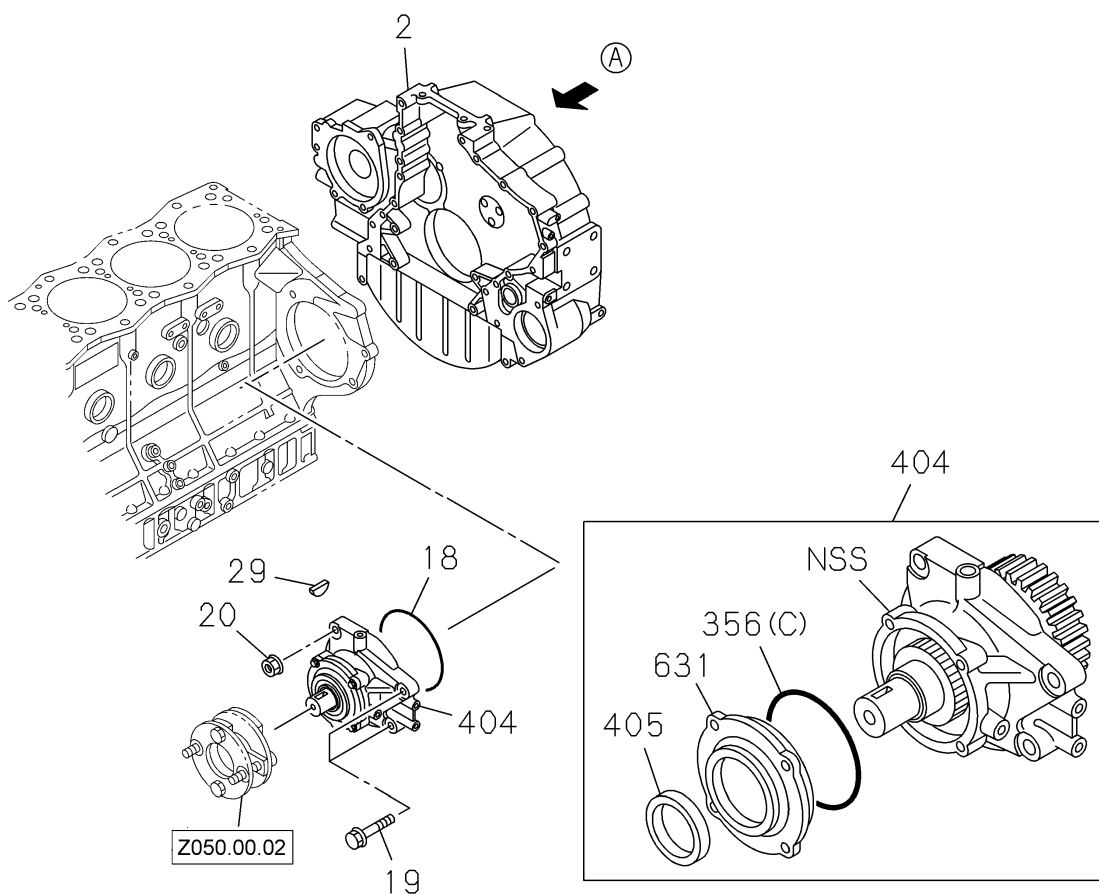
ZAMANLAMA DİŞLİSİ TIMING GEAR CASE



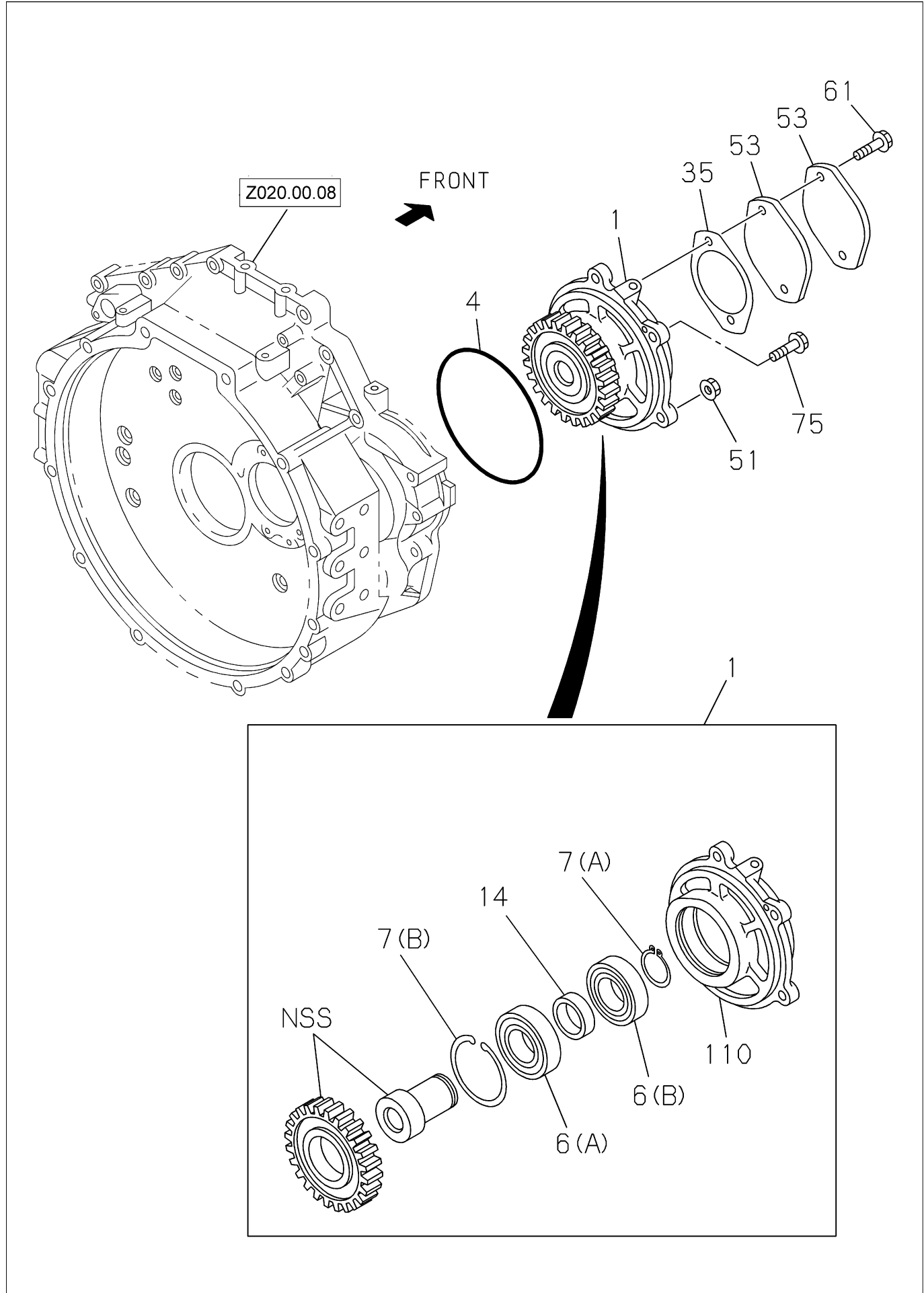
DIŞLİ KUTUSU KAPAĞI GEAR CASE COVER



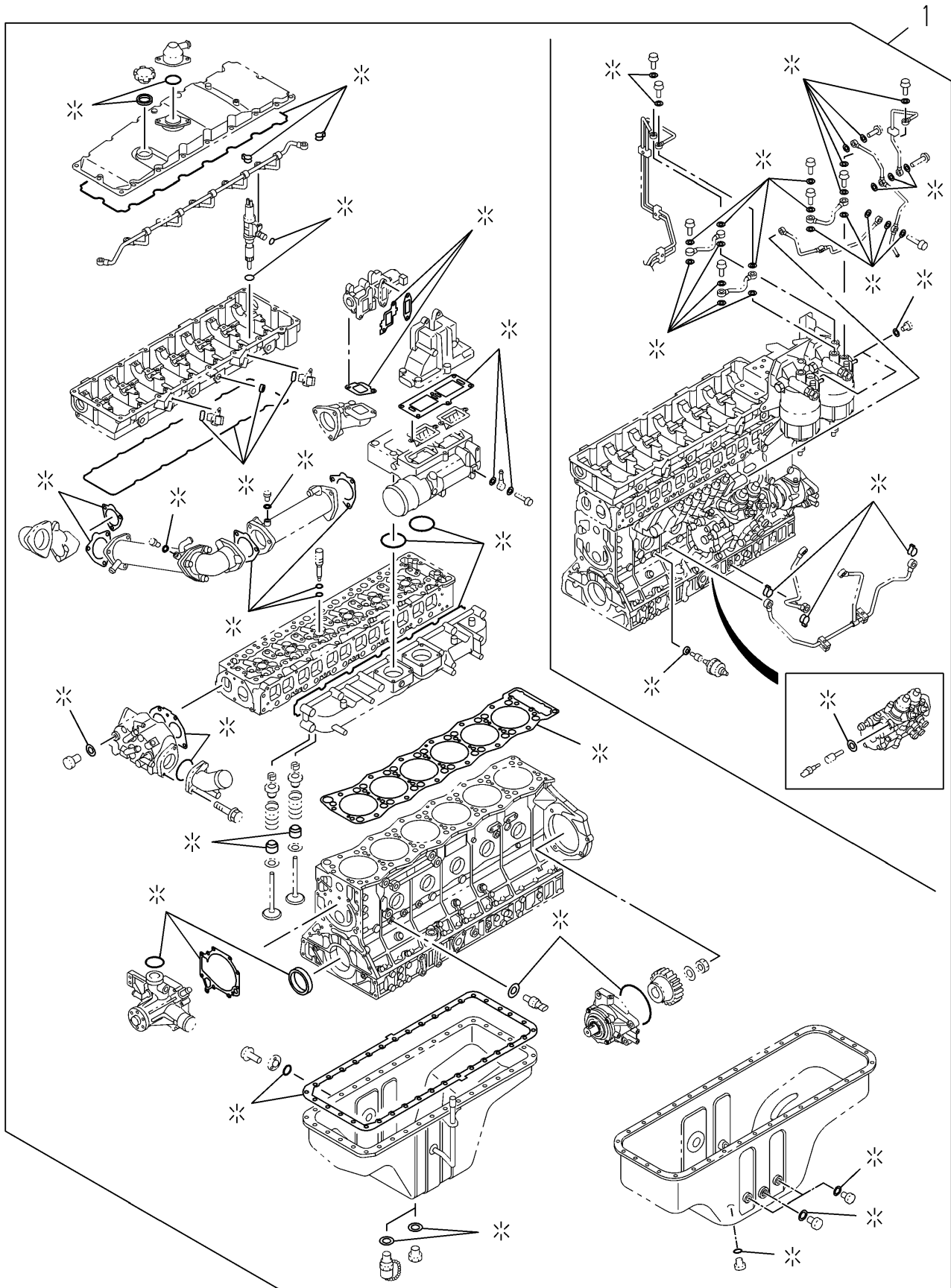
VOLAN MUHAFAZASI **FLYWHEEL HOUSING**



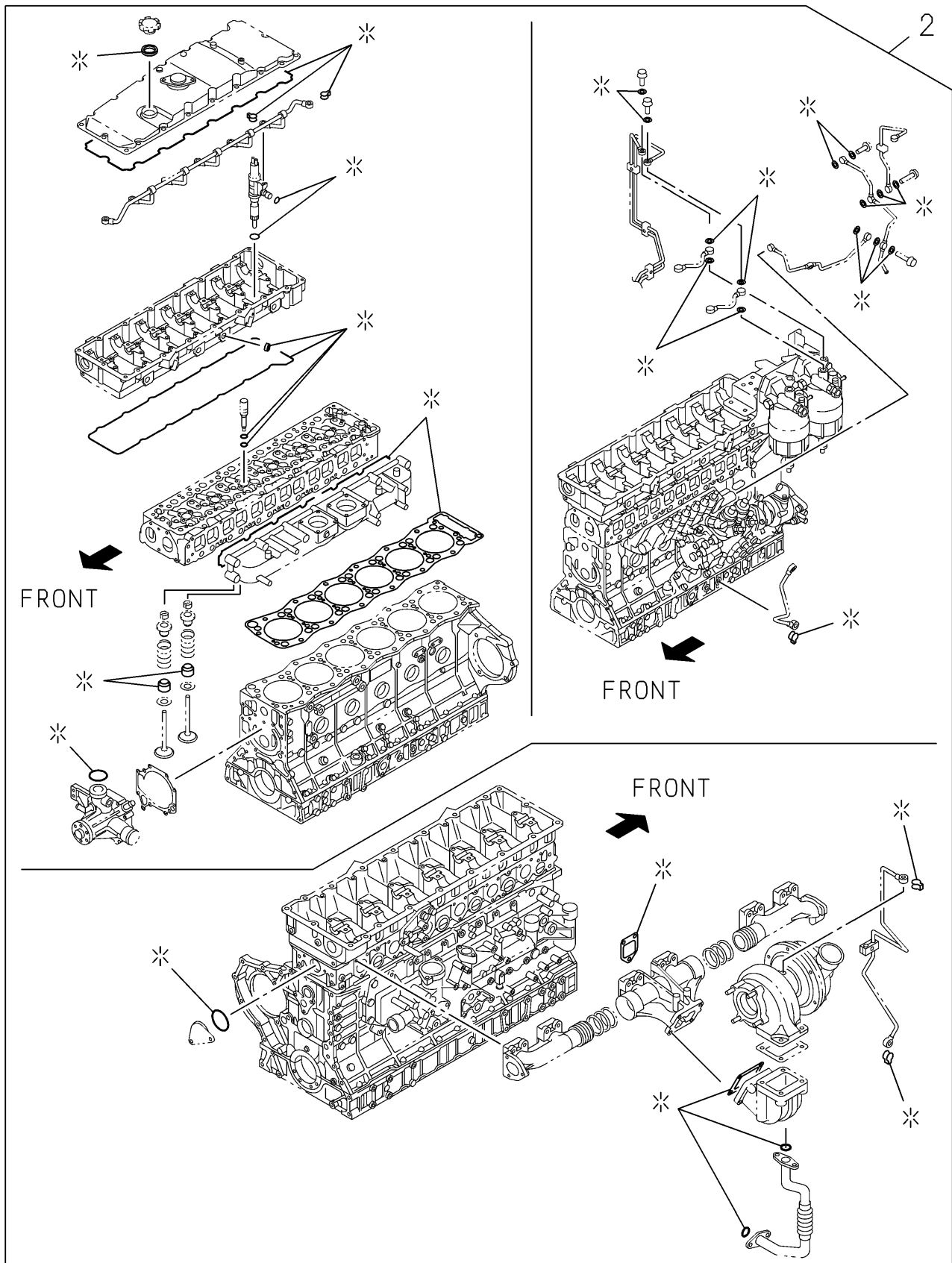
GÜÇ ÇIKIŞ KAPAĞI POWER TAKE OFF COVER



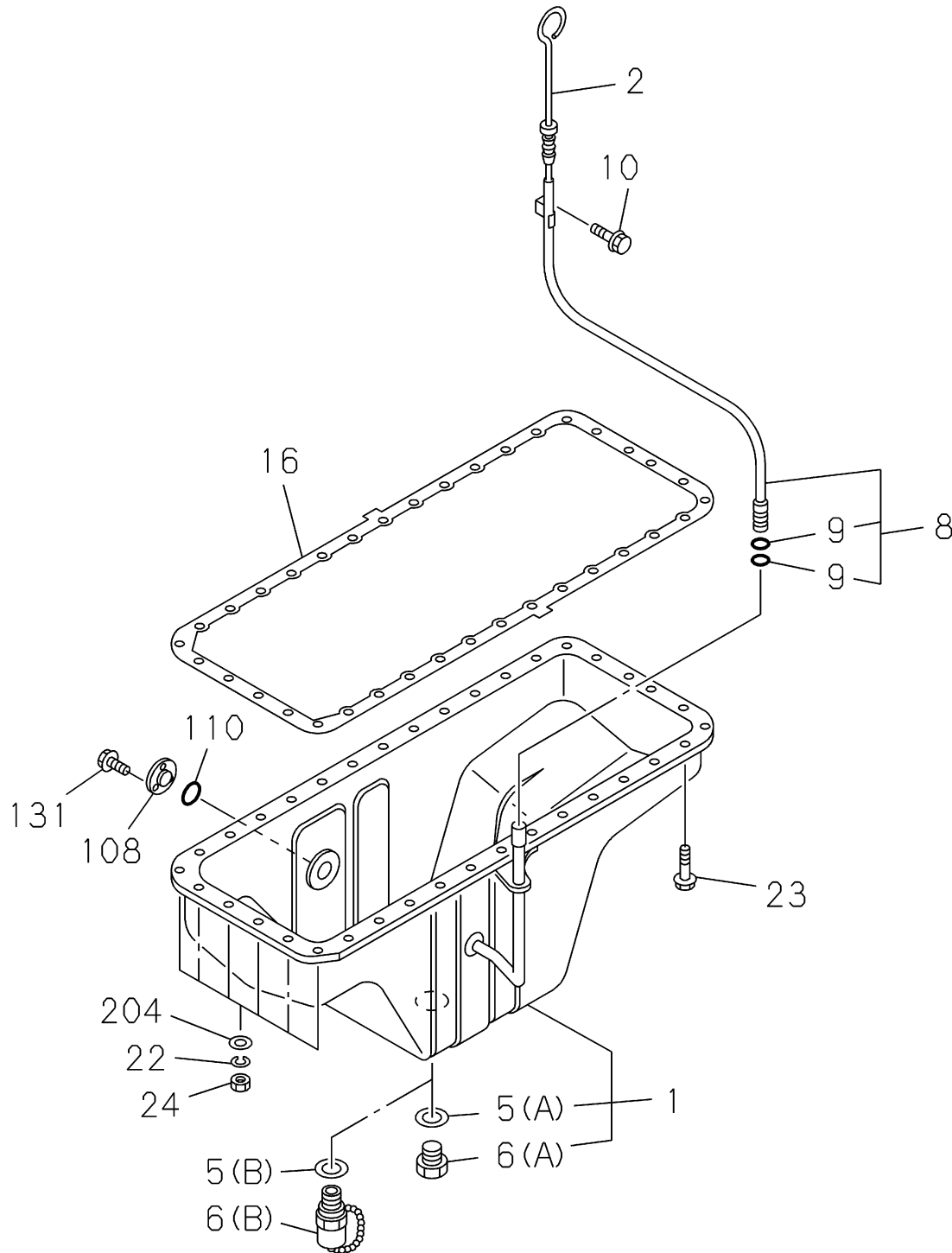
MOTOR TAMİR TAKIMI ENGINE OVERHAUL GASKET KIT



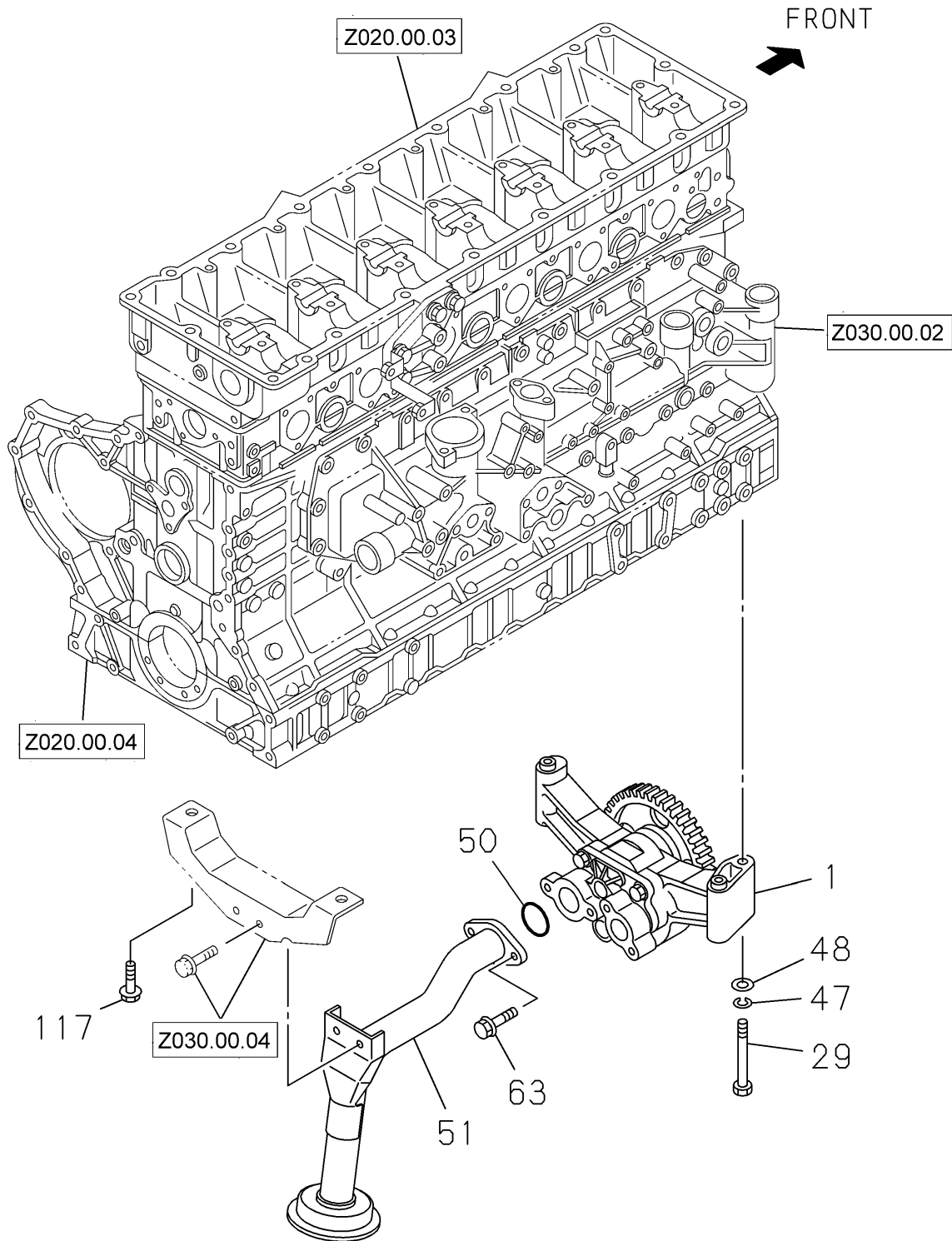
SİLİNDİR KAPAĞI TAMİR TAKIMI CYLINDER HEAD GASKET KIT



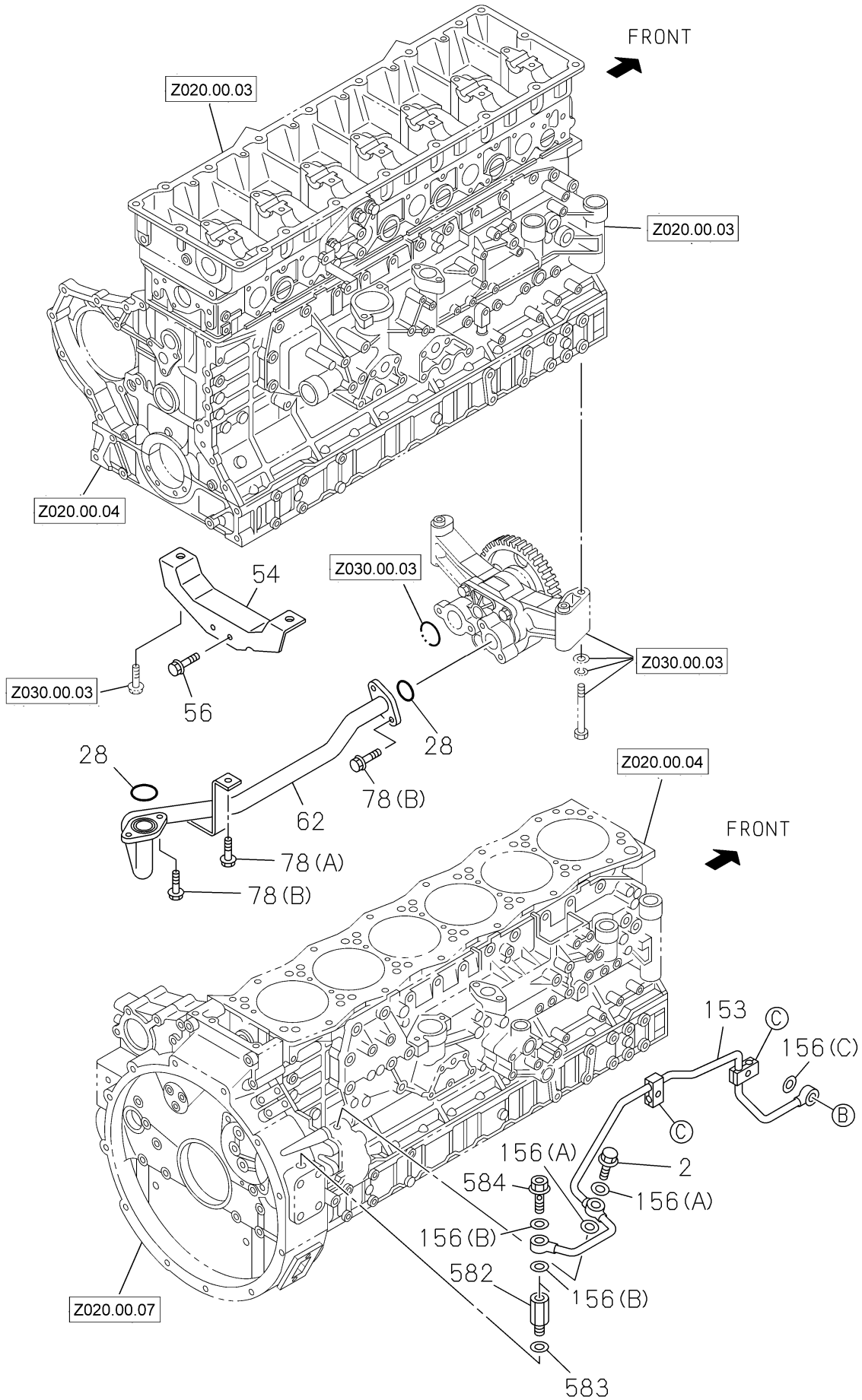
YAĞ SEVİYE ÇUBUĞU & YAĞ KARTERİ OIL PAN & OIL LEVEL GAUGE



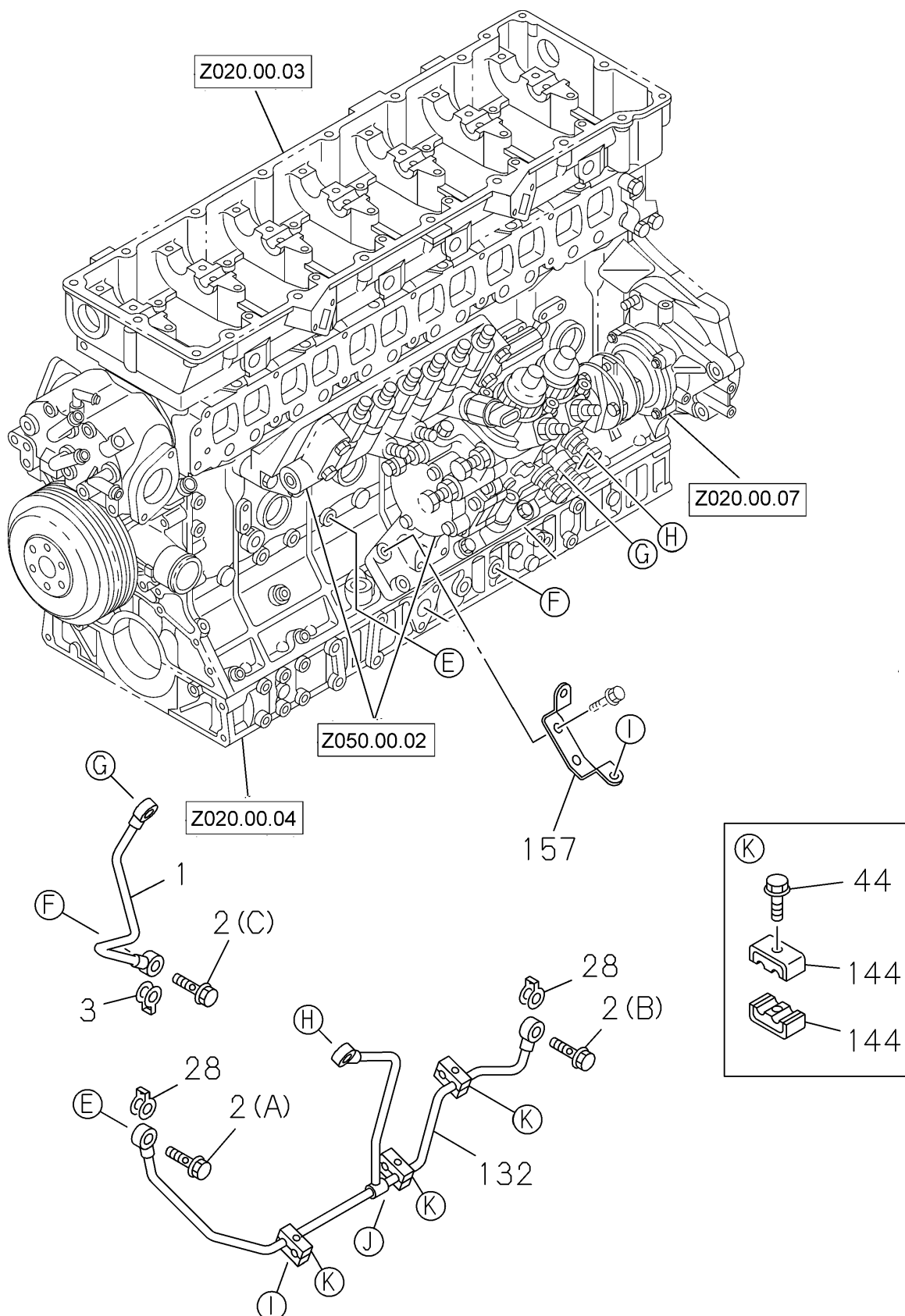
YAĞ POMPASI VE YAĞ SÜZGEÇİ OIL PUMP & STRAINER



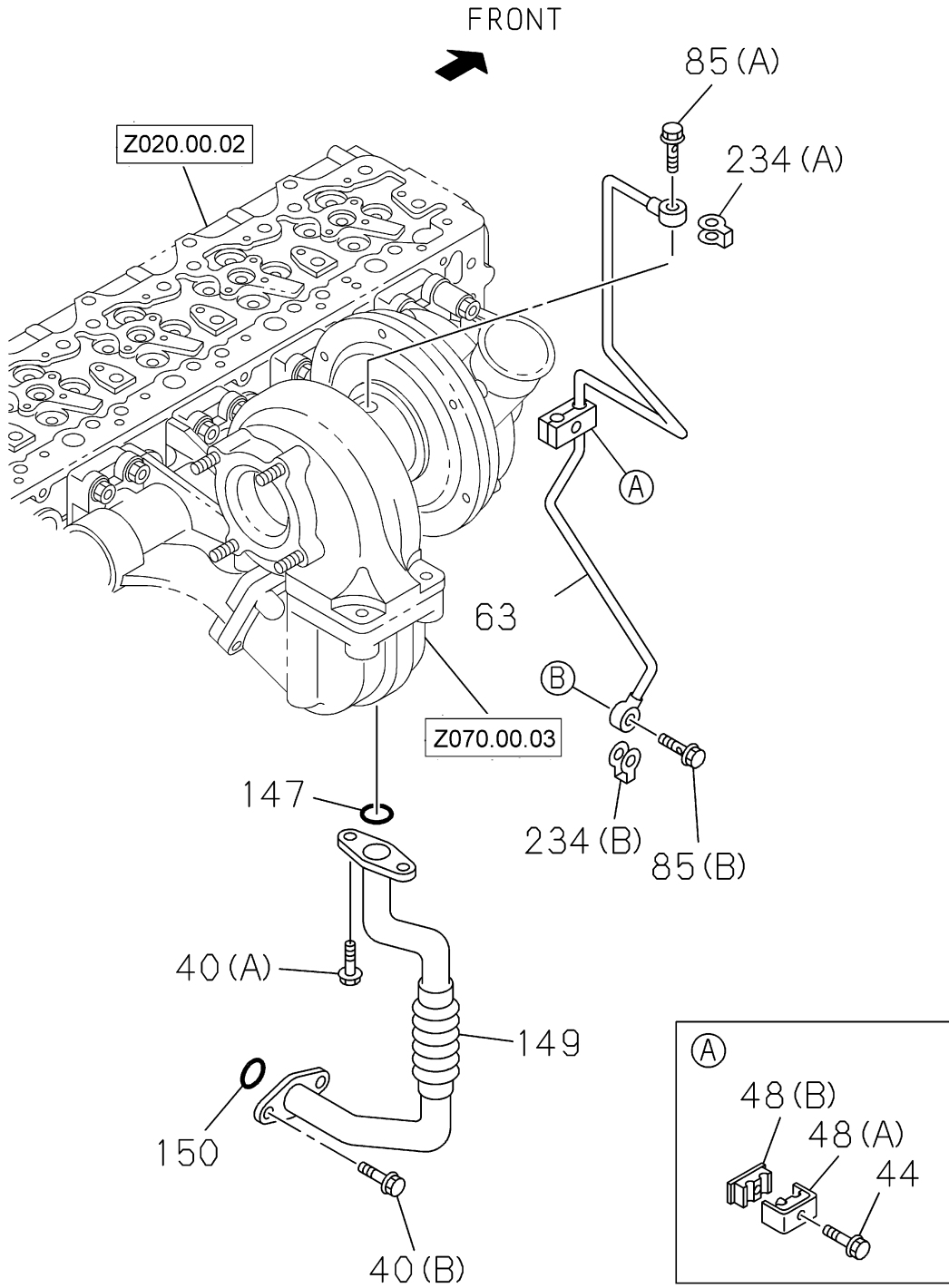
YAĞ VE VAKUM TESİSATI 1 OIL & VACUUM PIPING 1



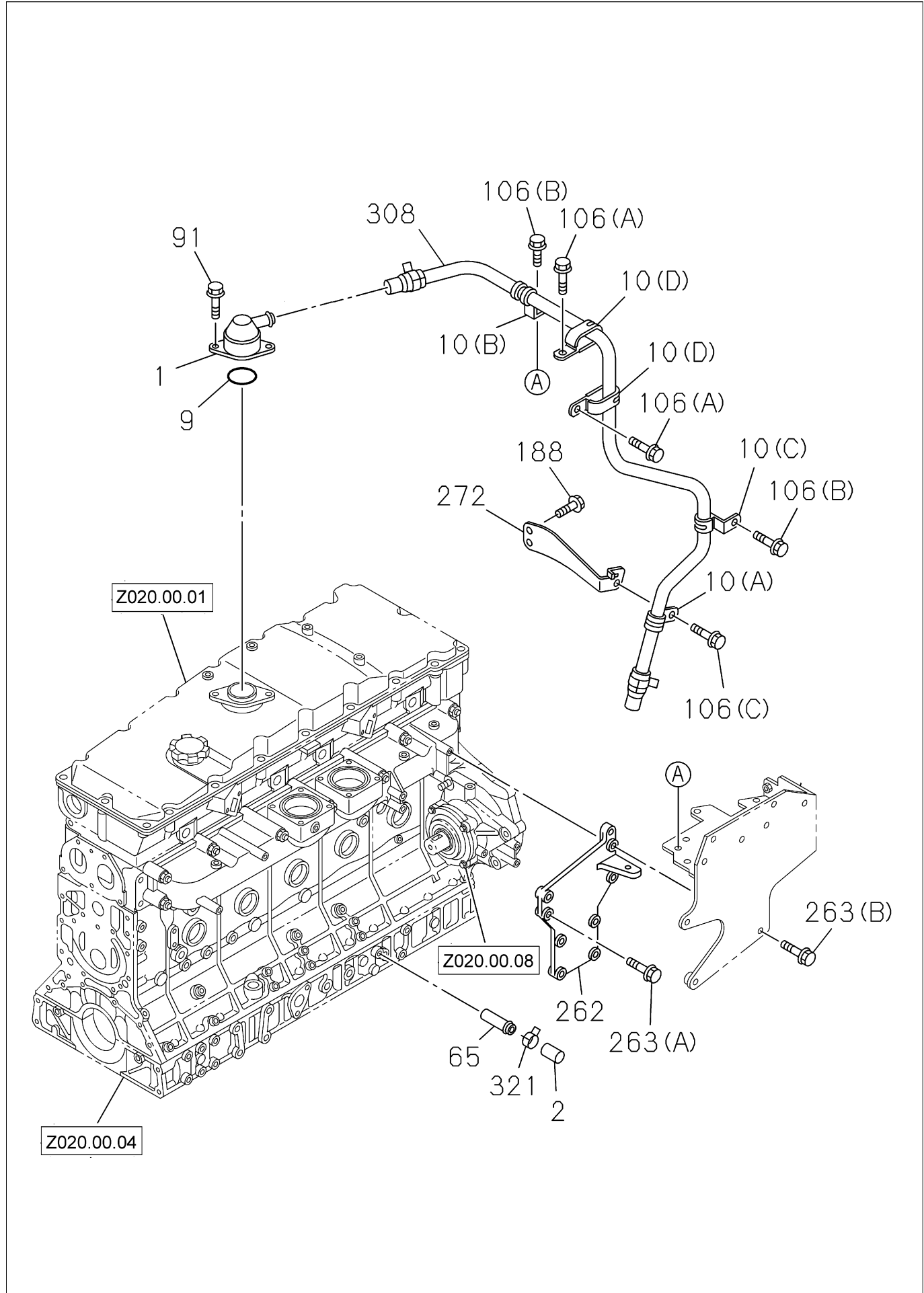
YAĞ VE VAKUM TESİSATI 2
OIL & VACUUM PIPING 2



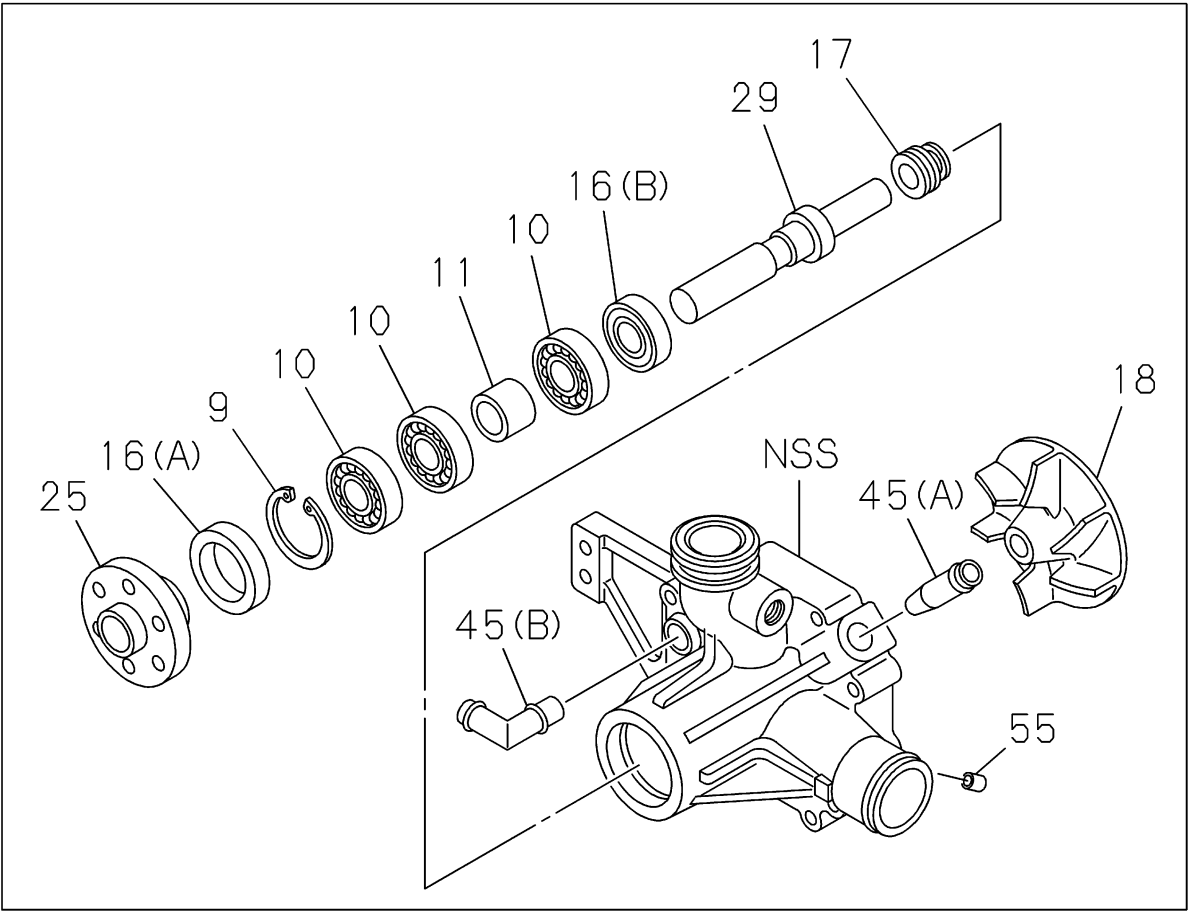
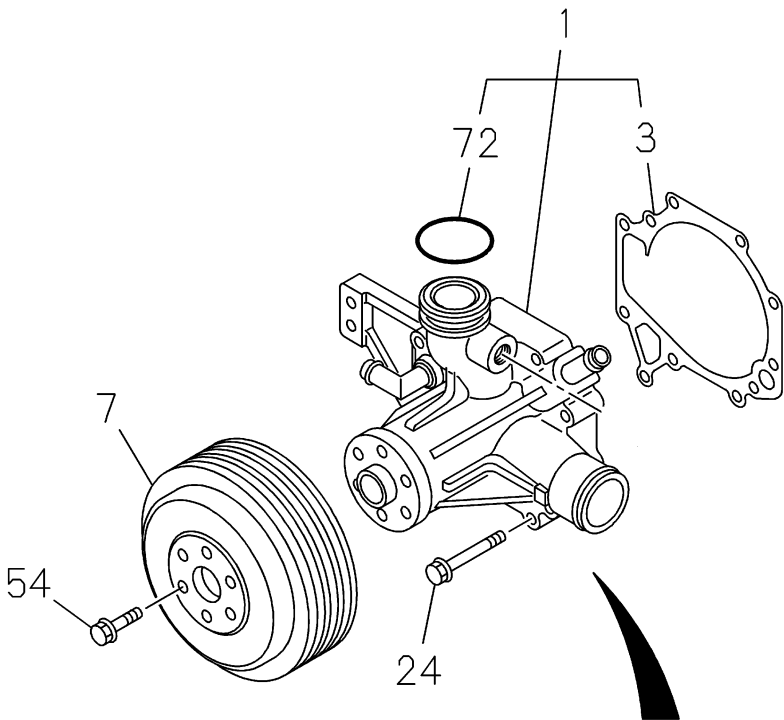
YAĞ VE VAKUM TESİSATI 3 OIL & VACUUM PIPING 3



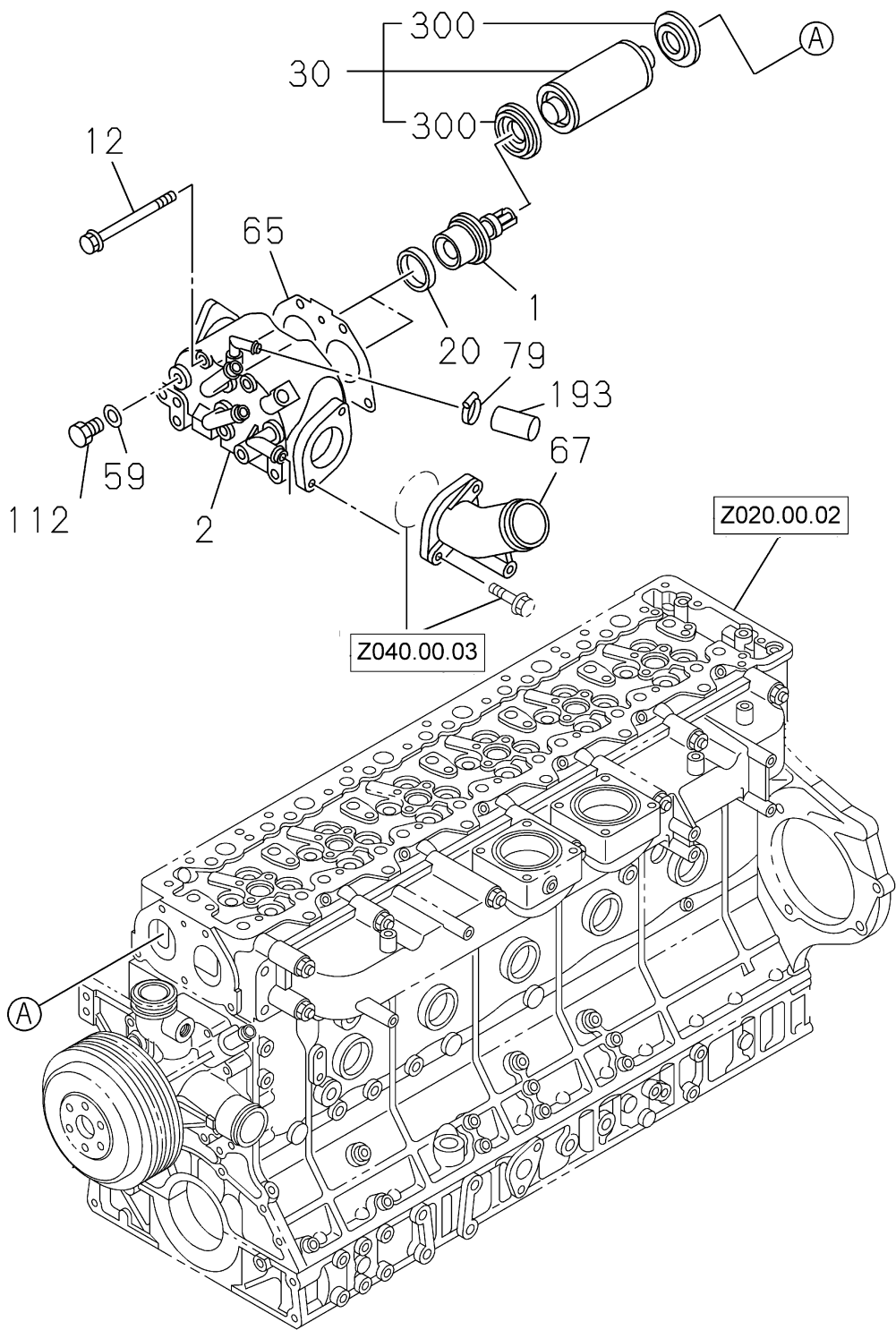
HAVALANDIRMA SİSTEMİ VENTILATION SYSTEM



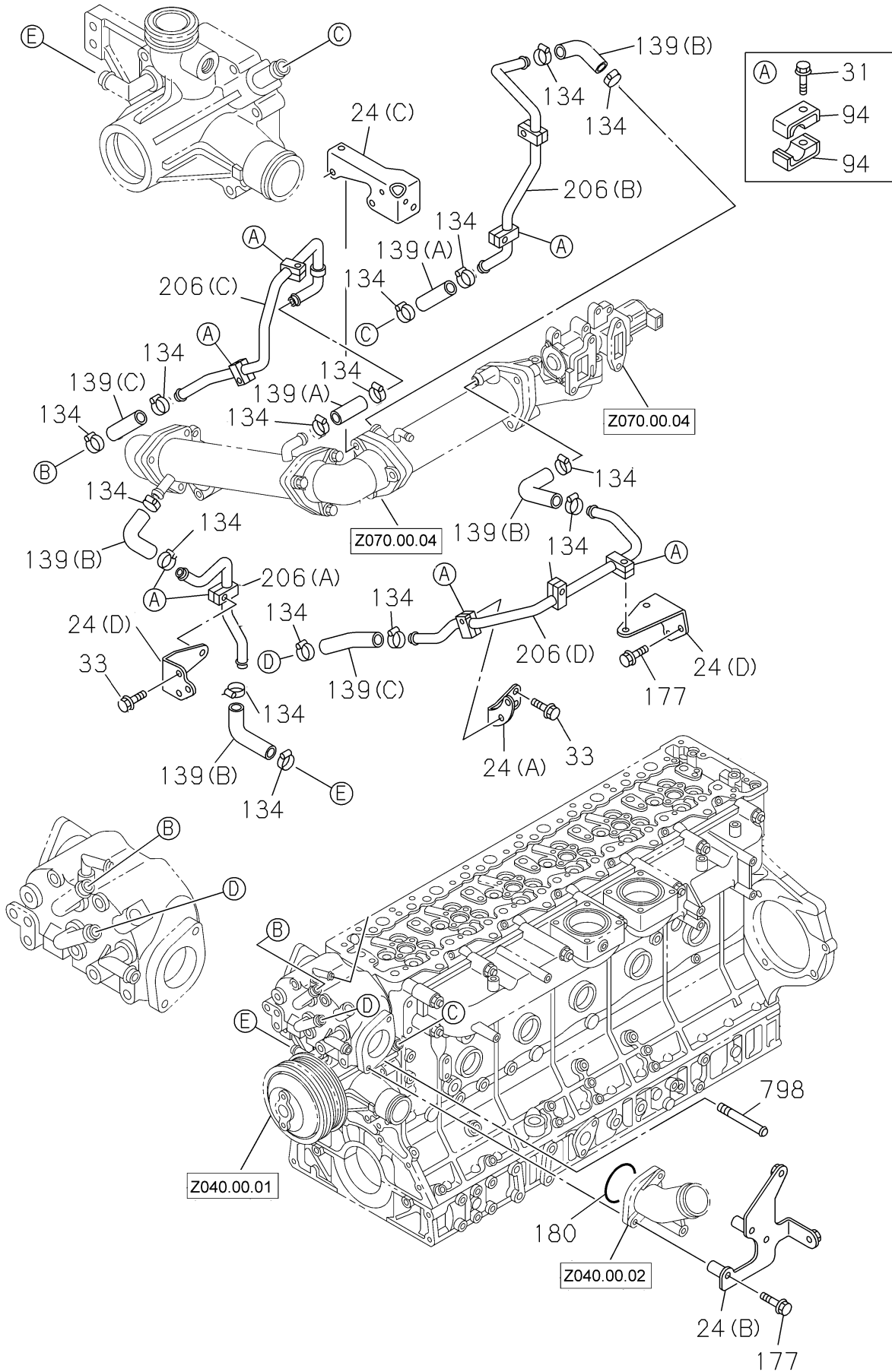
SU POMPASI
WATER PUMP

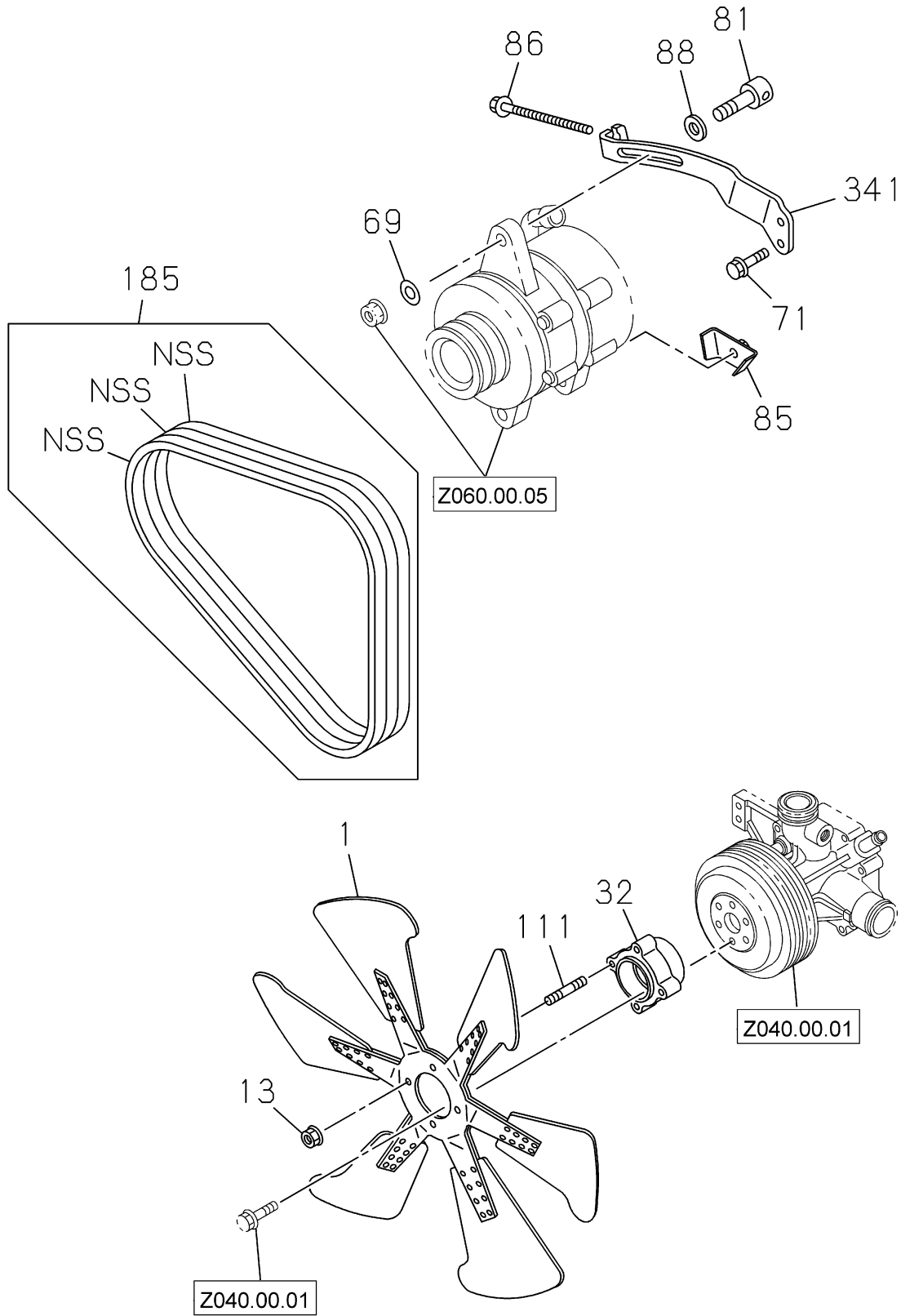


TERMOSTAT
THERMOSTAT

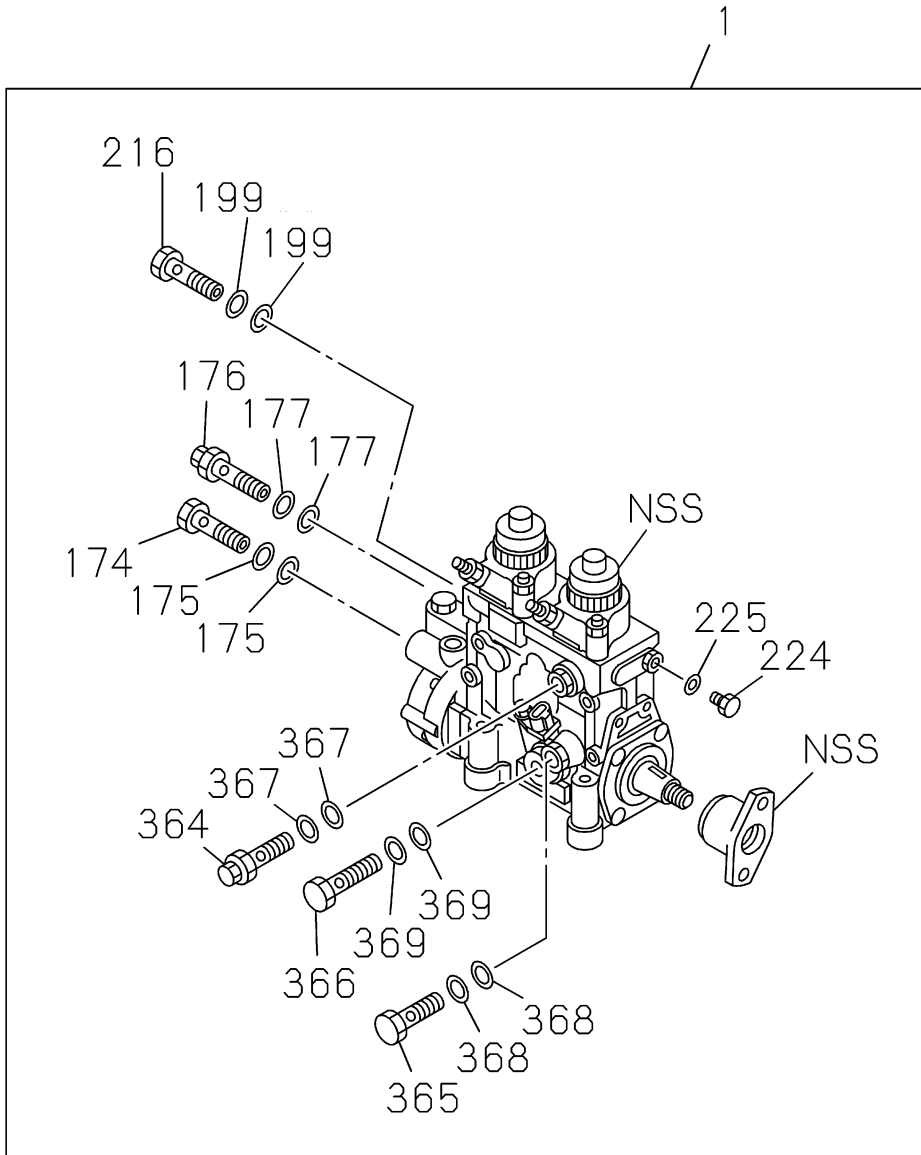


SOĞUTMA SUYU TESİSATI WATER PIPING

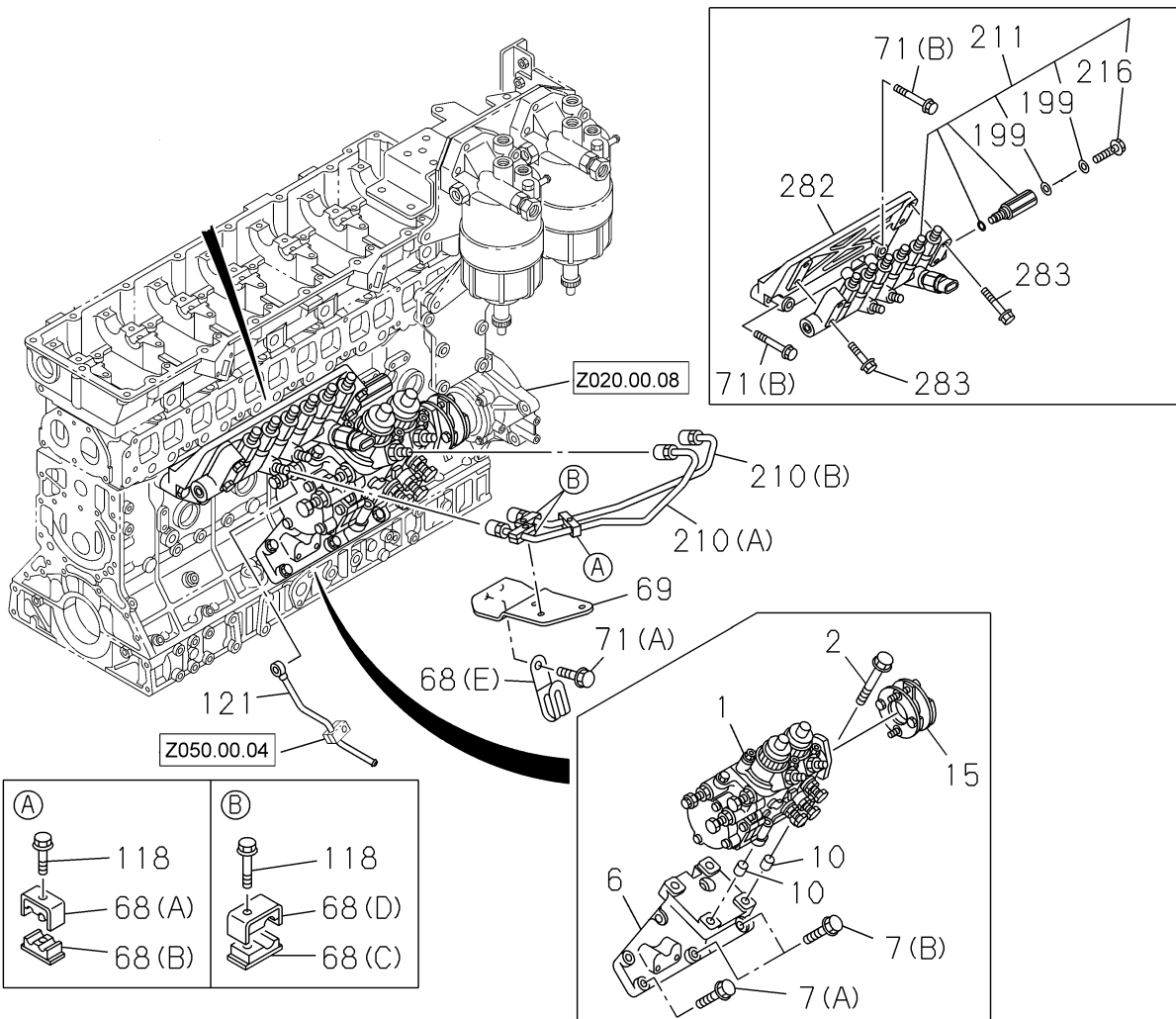
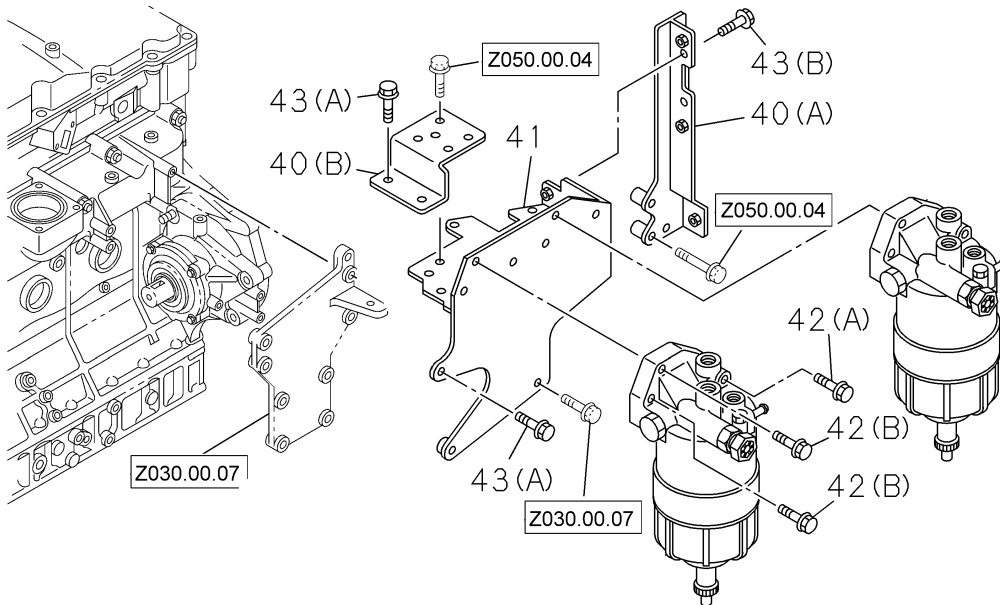


**FAN VE FAN KAYIŞI
FAN & FAN BELT**

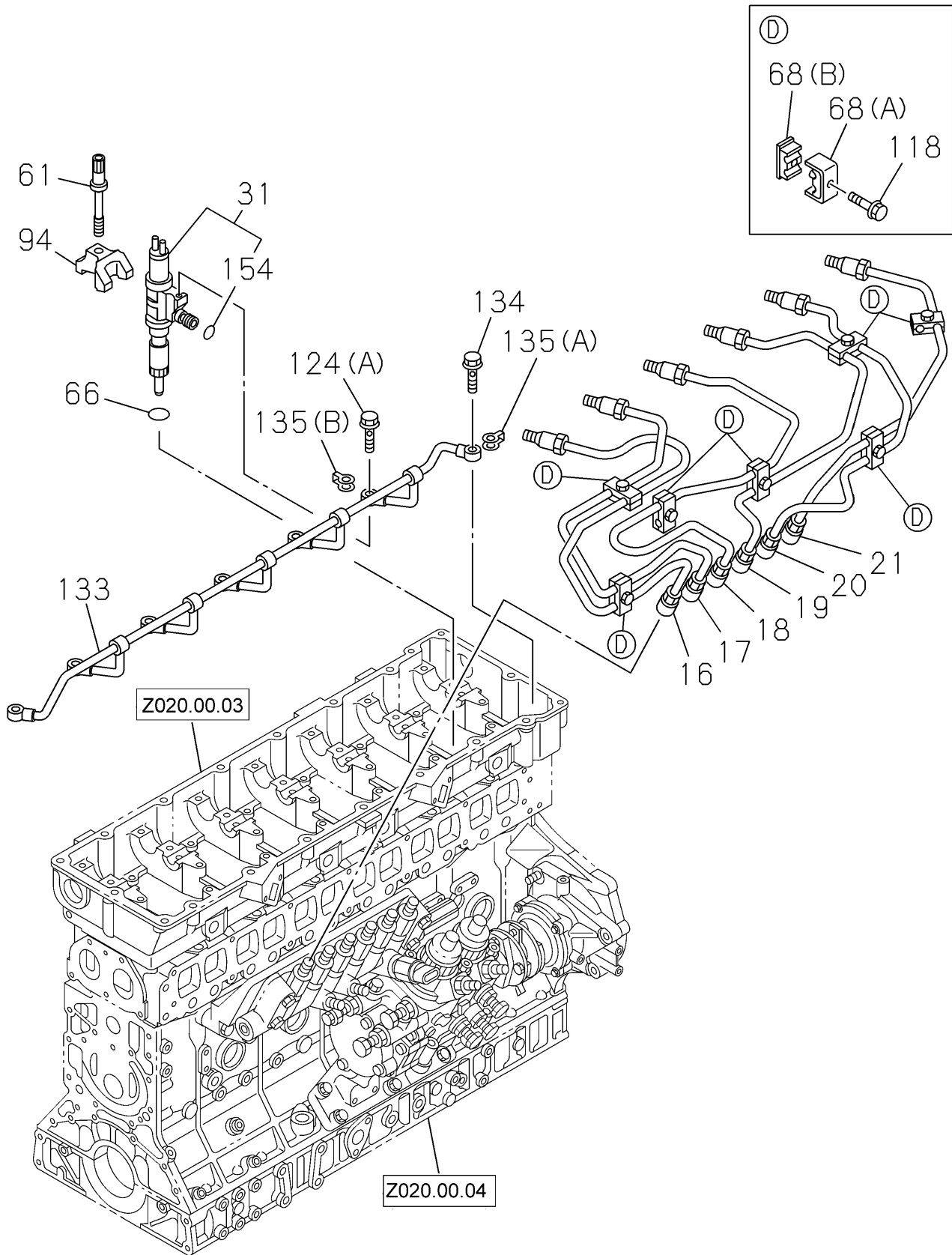
YAKIT POMPASI VE YAKIT BESLEME POMPASI
FUEL FEED PUMP & ELECTROMAGNETIC PUMP



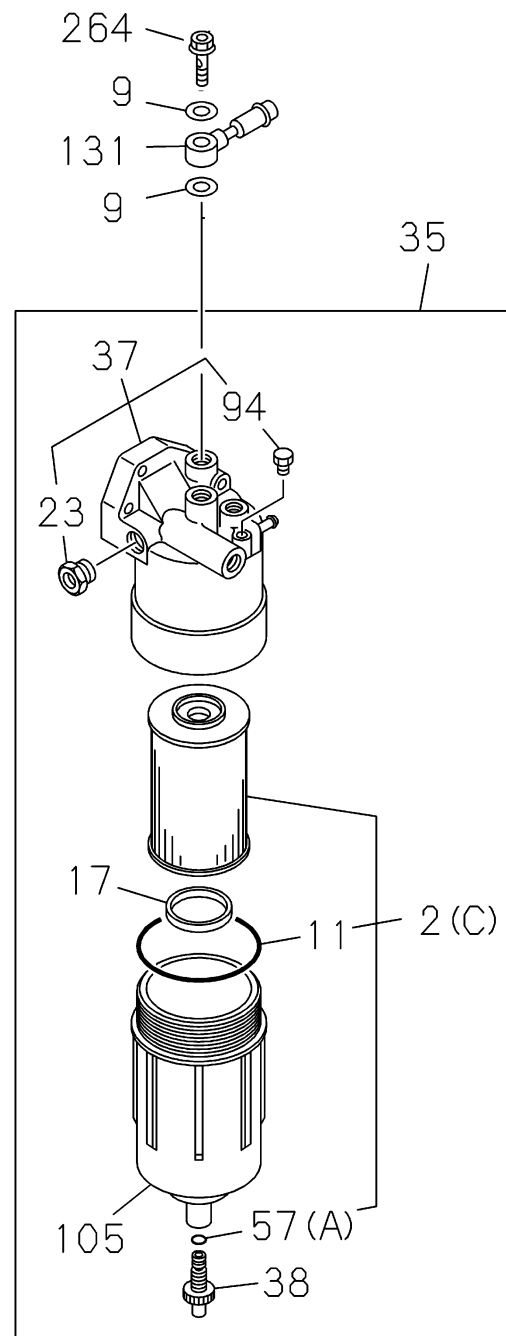
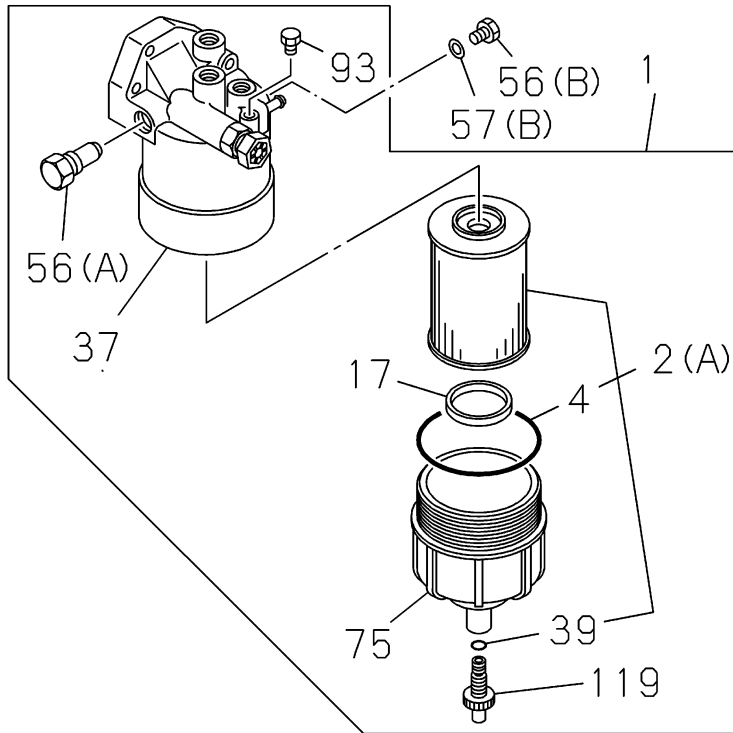
YAKIT ENJEKSİYON SİSTEMİ 1 FUEL INJECTION SYSTEM 1



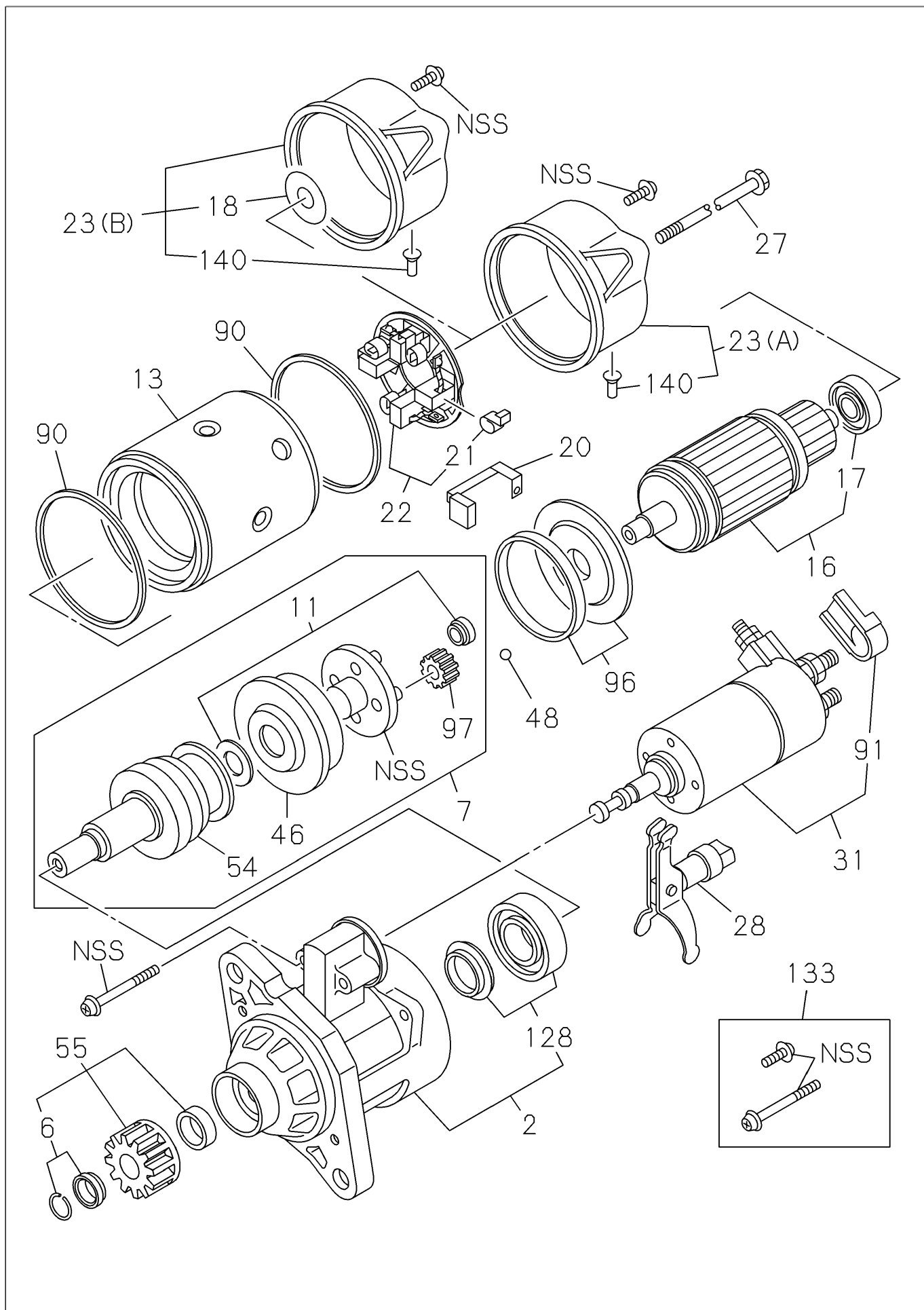
YAKIT ENJEKSİYON SİSTEMİ 2 FUEL INJECTION SYSTEM 2

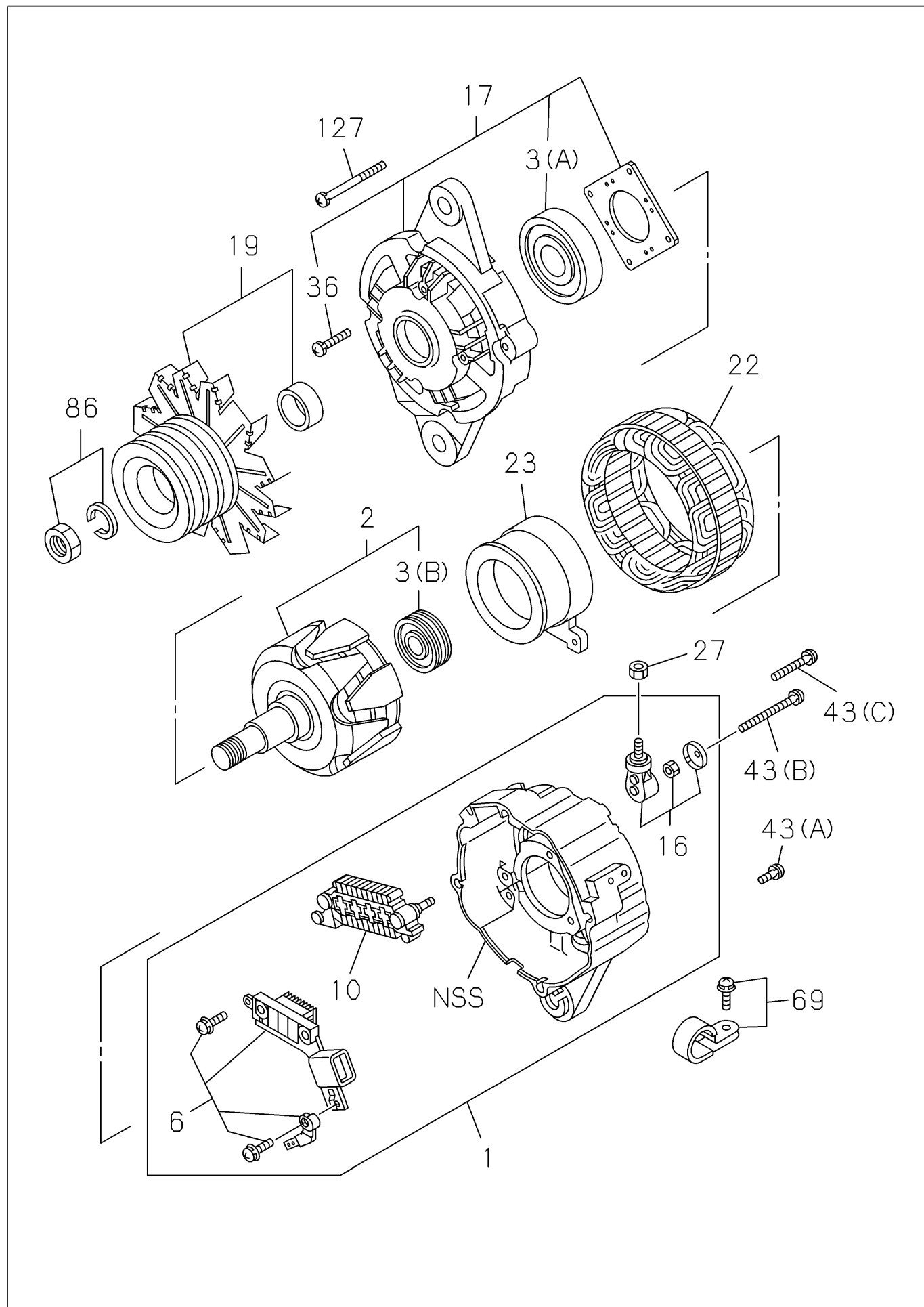


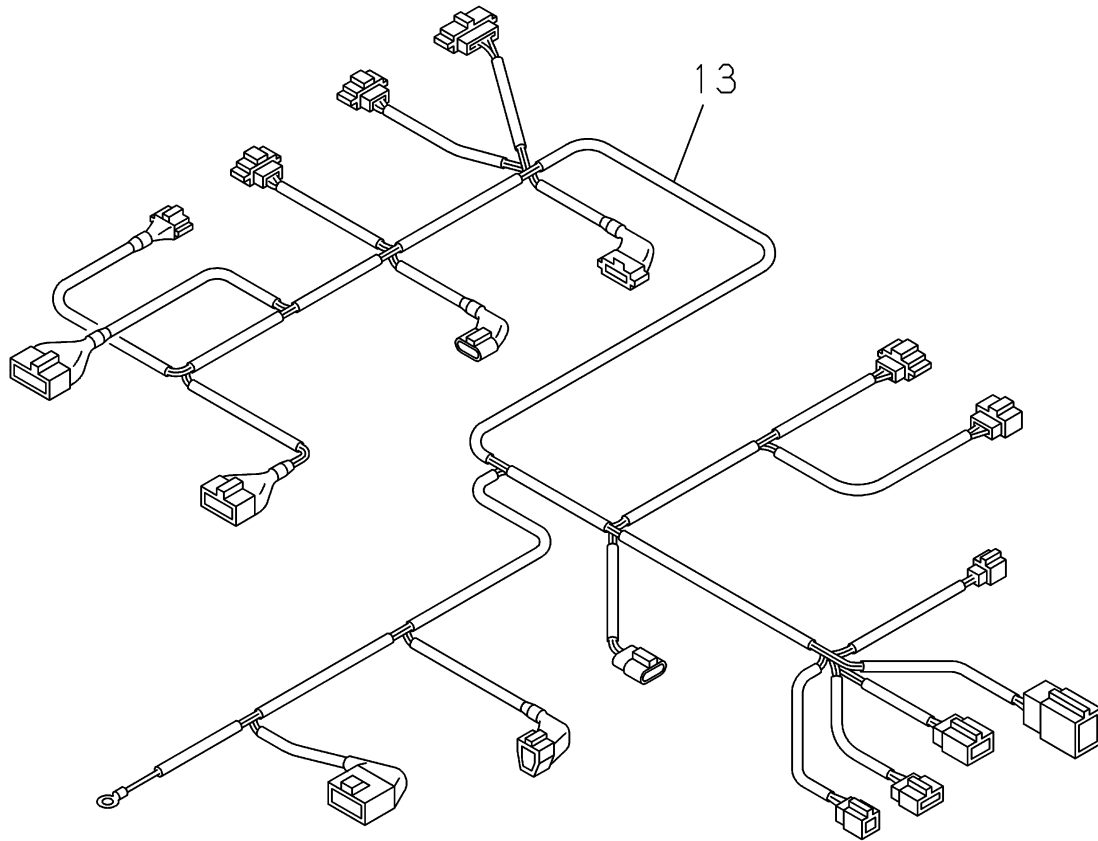
YAKIT FİLTRESİ FUEL FILTER



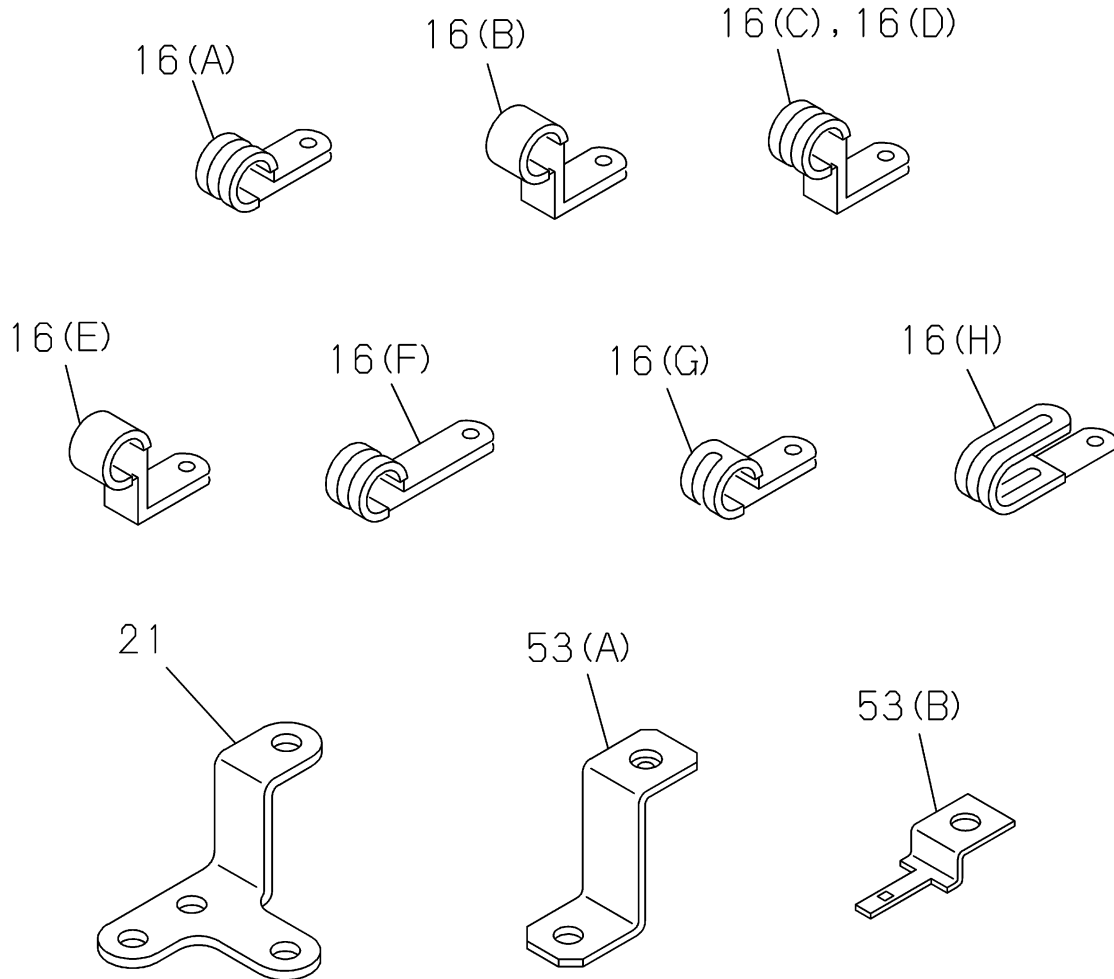
MARŞ MOTORU



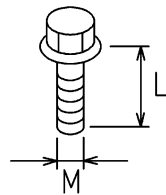
**ALTERNATÖR
GENARATOR**

MOTOR ELEKTRİK TESİSATI
ENGINE WIRING HARNESS

ELEKTRİK TESİSATI SABİTLEME ELEMANLARI **HARNESS FIXING PARTS**

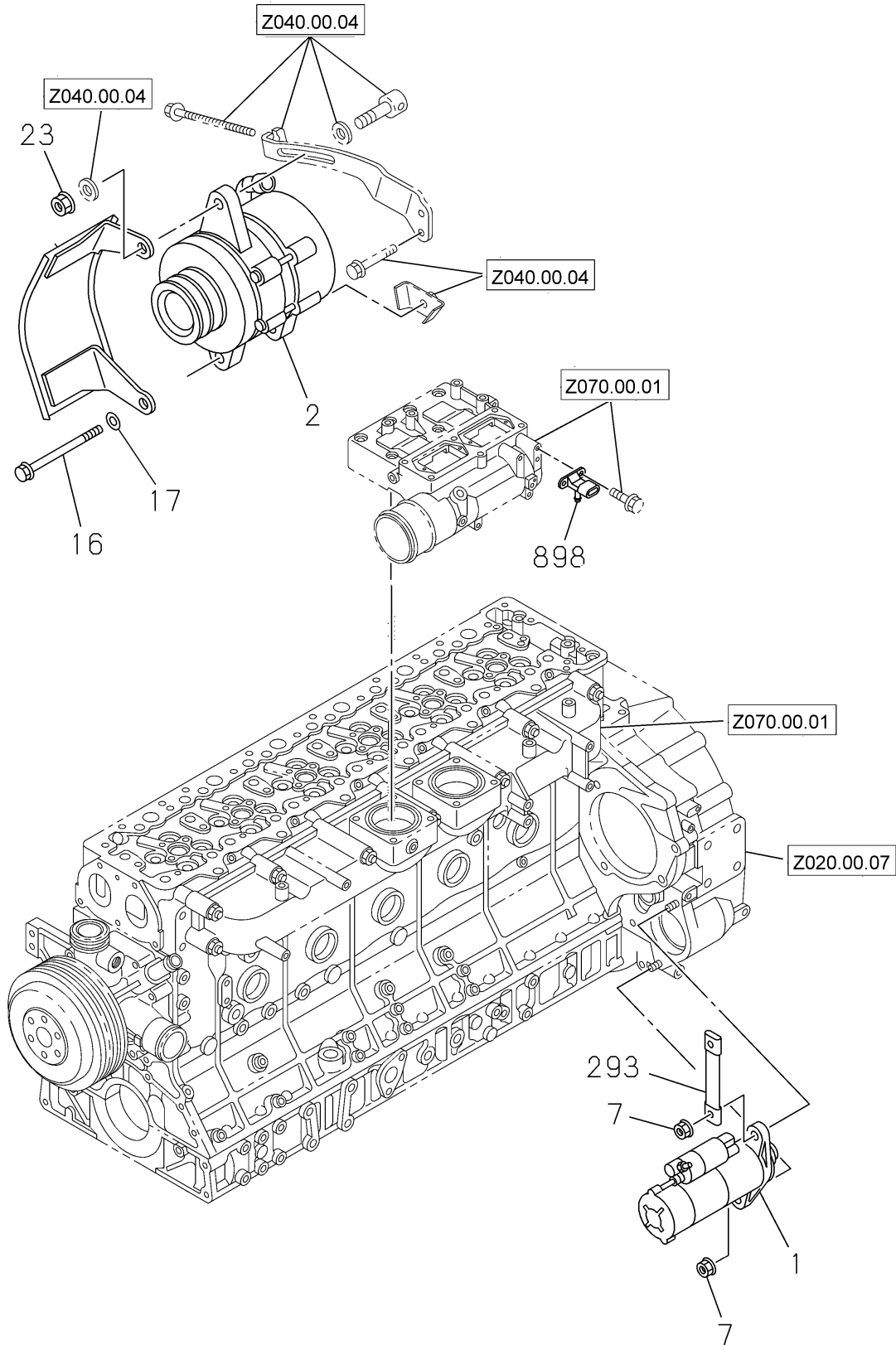


BOLT ; FLANGE



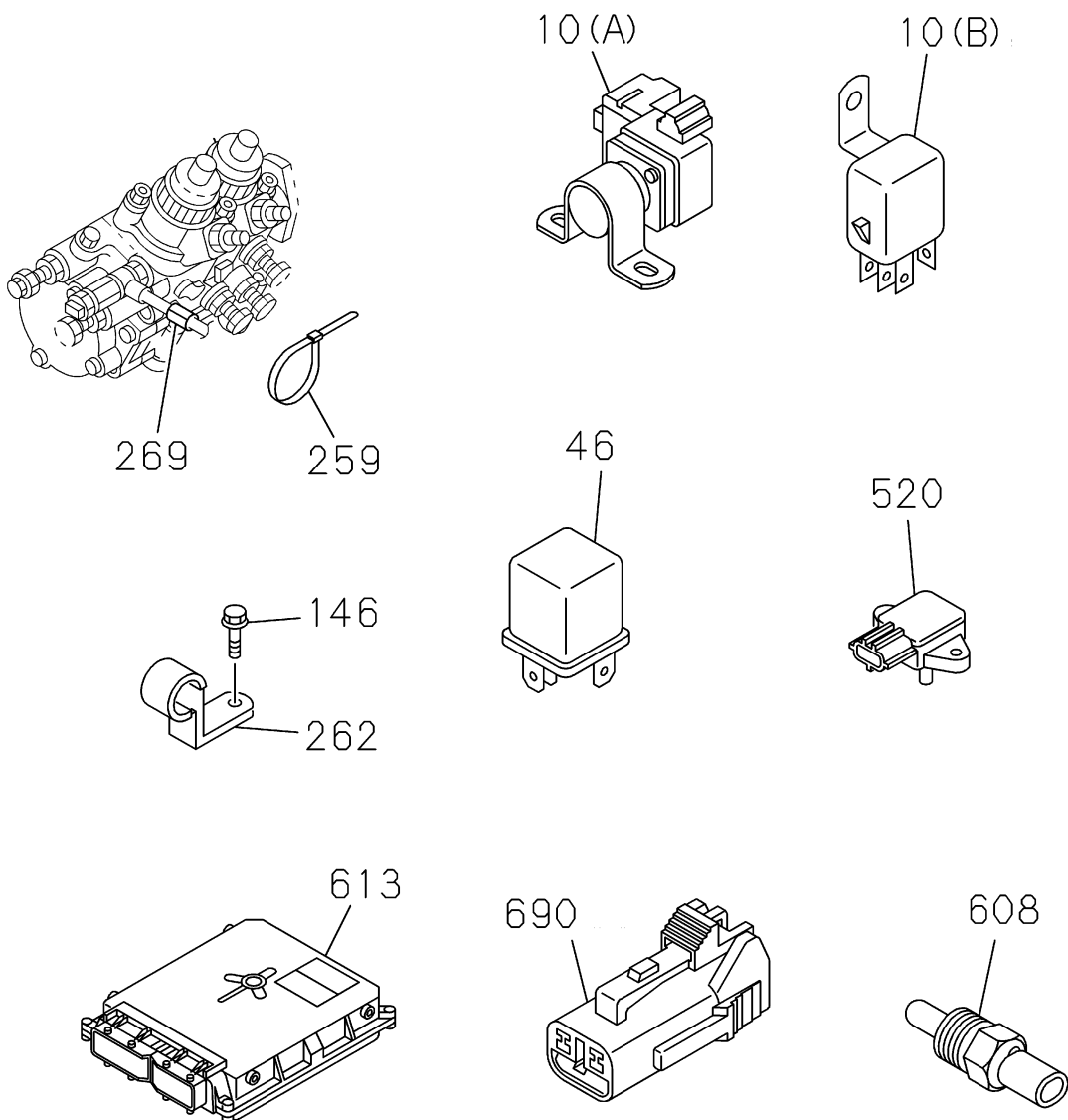
M	L	
6	16	150 (A)
8	12	150 (B)
8	16	139 (A)
		150 (C)
8	25	150 (D)
10	16	139 (B)
		150 (E)

ELEKTRİK KONTROL PARÇALARI 1 ELECTRIC CONTROL PARTS 1

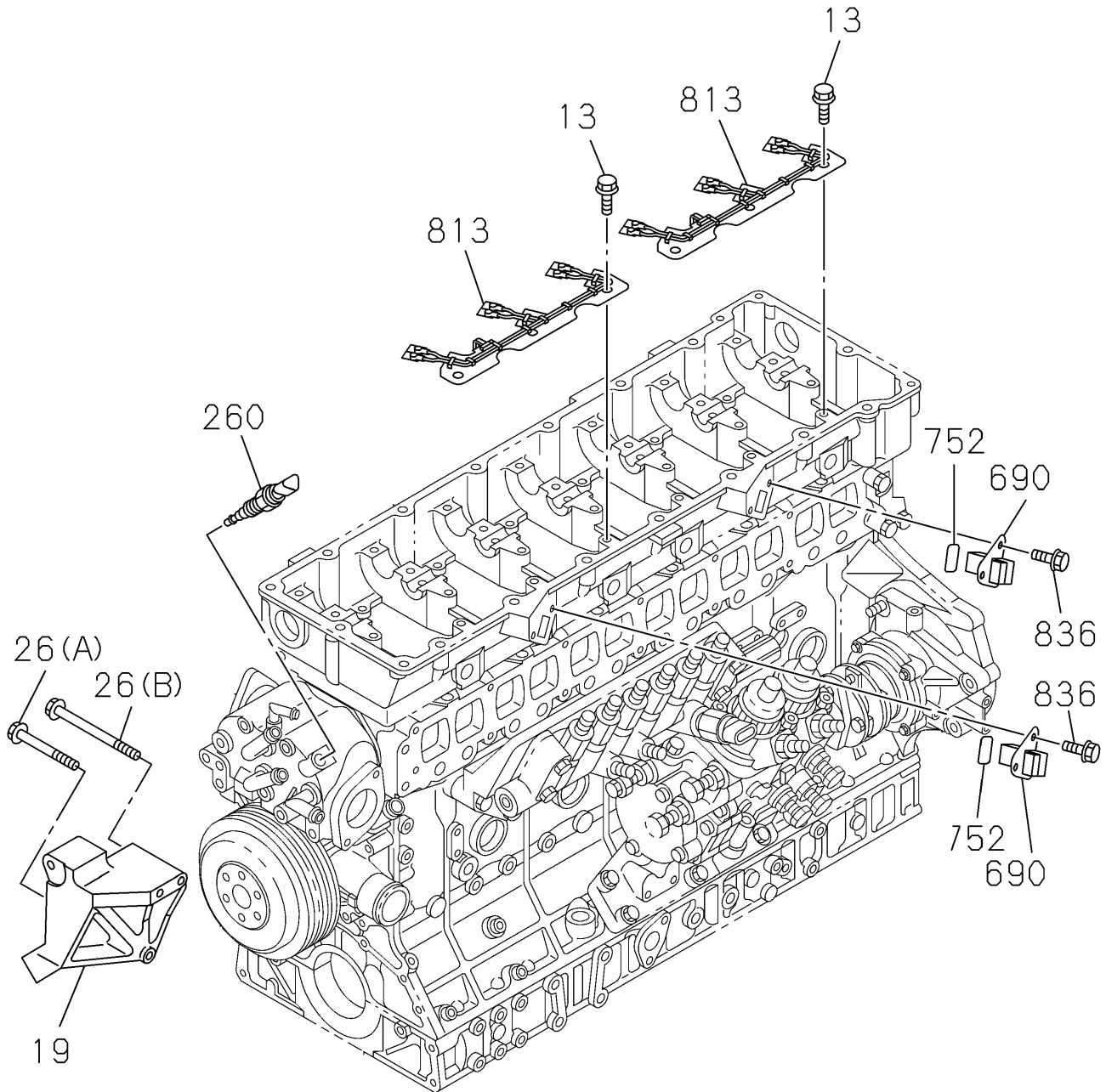


ELEKTRİK KONTROL PARÇALARI 2

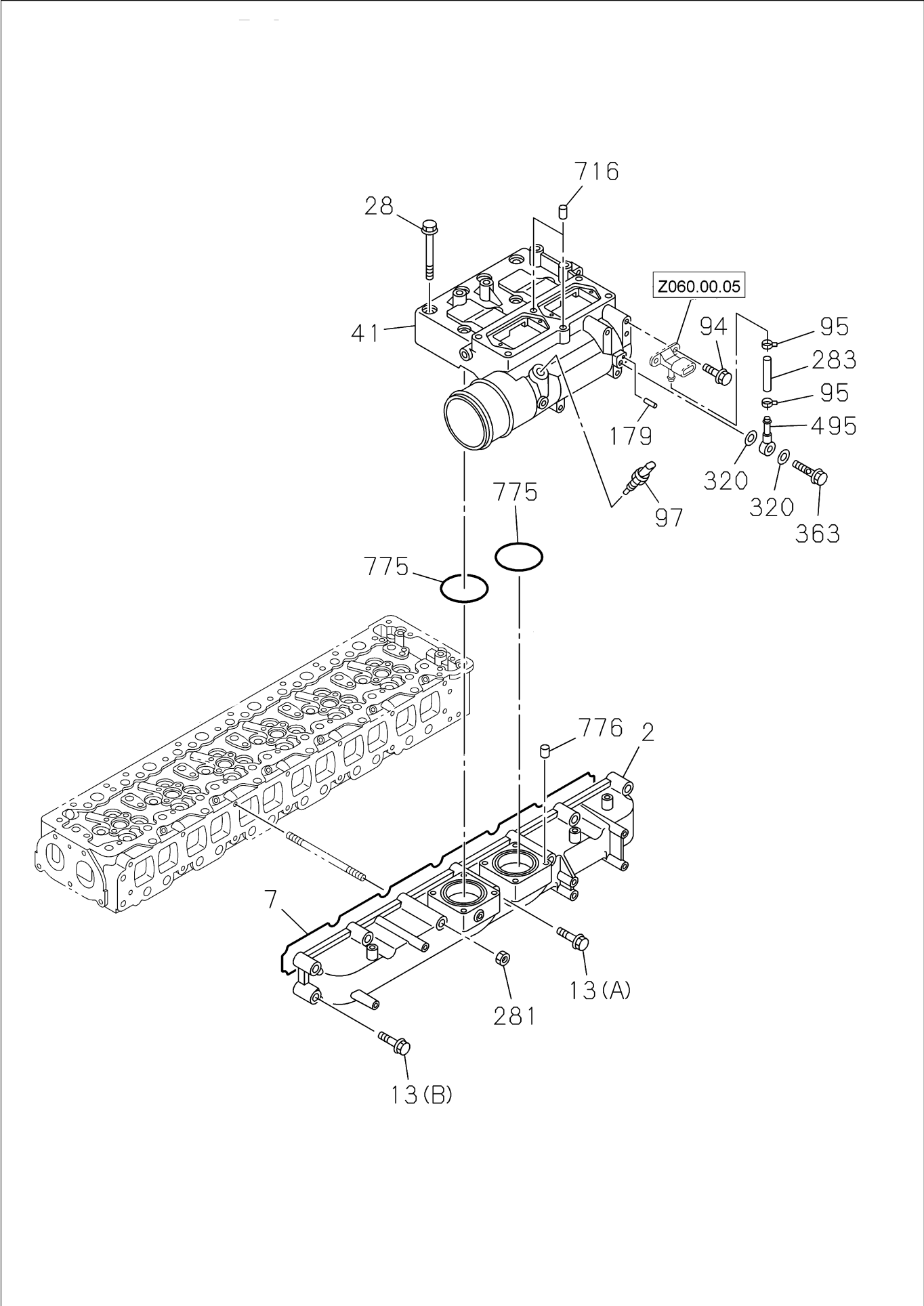
ELECTRIC CONTROL PARTS 2



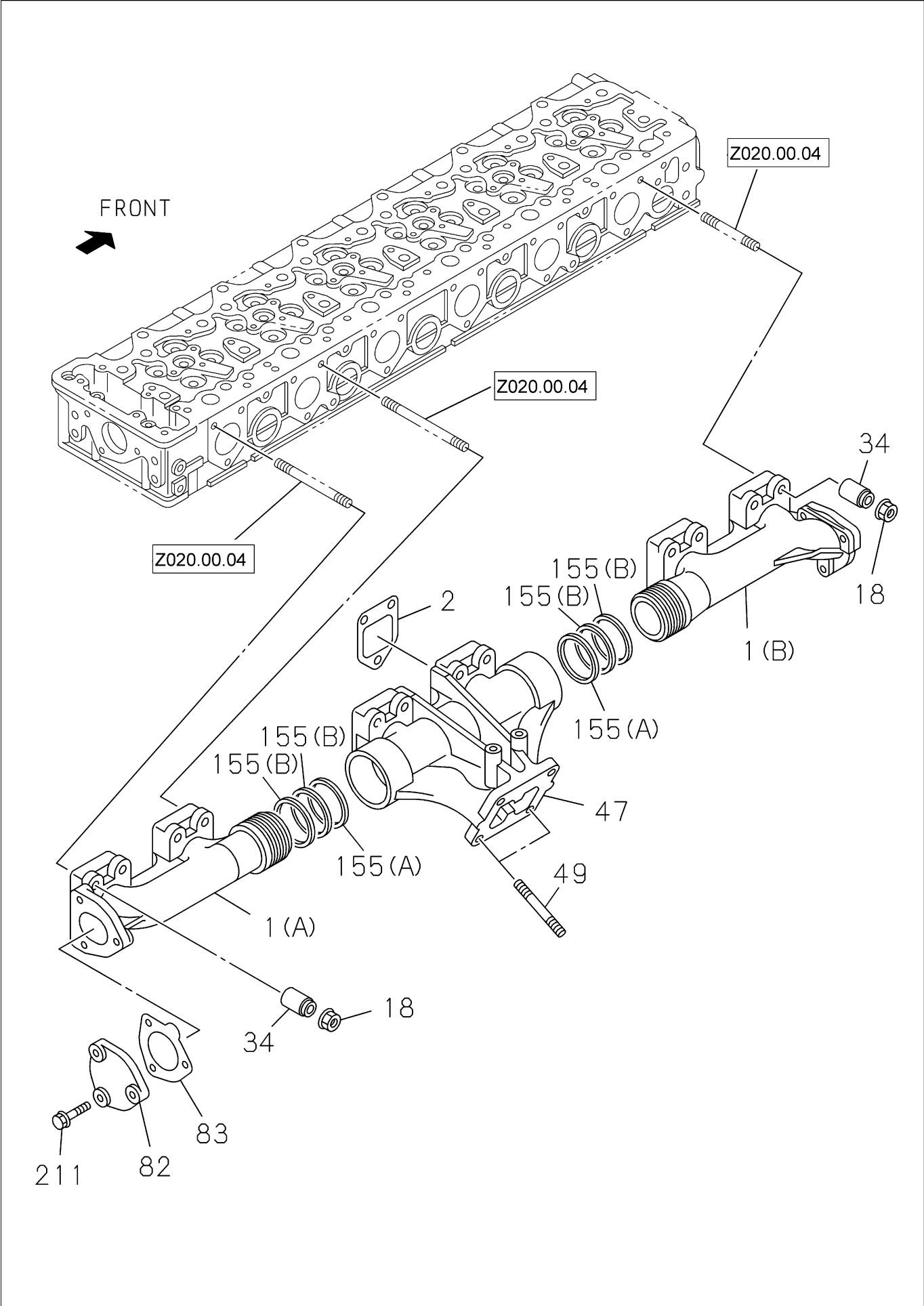
ELEKTRİK KONTROL VE DİĞER PARÇALAR ELECTRIC CONTROL & OTHER PARTS



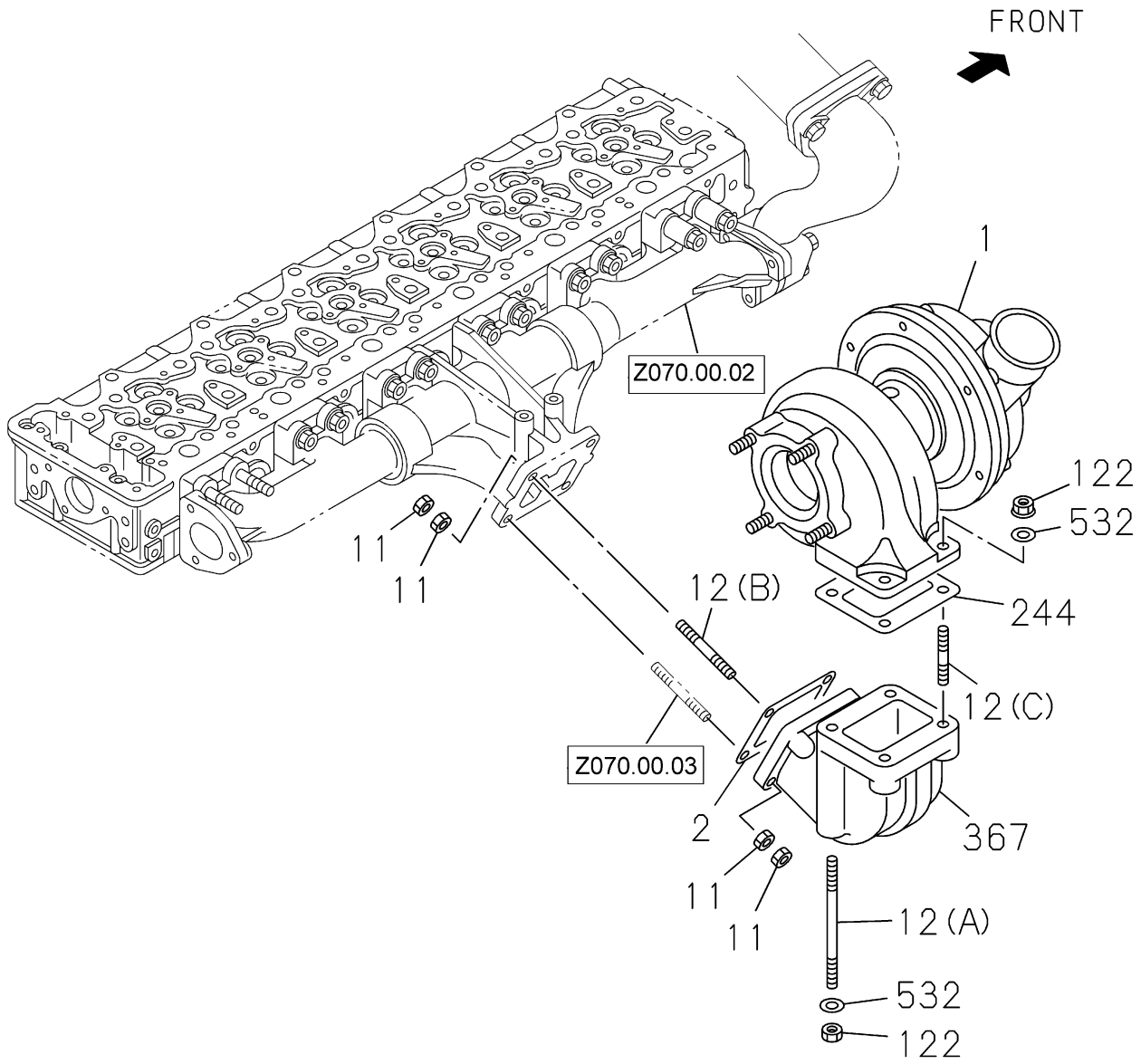
EMME MANİFOLDU
INLET MANIFOLD



EGZÖZ MANİFOLDU
EXHAUST MANIFOLD



TURBOŞARJ SİSTEMİ TURBOCHARGER SYSTEM



EGR
EGR

