

**GEHL**®

# Model **Z35 GEN:2**

Form No.  
50940133  
Revision C  
Oct. 2013

## Compact Excavator

**Serial Numbers 00701 and Up**



**Parts Manual**

# INTRODUCTION

## General

- MANITOU AMERICAS, INC. reserves the right to make changes or improvements in the design or construction of any part of the machine without incurring the obligation to install such changes on any previously delivered machines.
- This parts manual should not be used as a technical data reference; it uses simplified illustrations and does not detail servicing procedures.
- Internal engine components not shown in this manual are contained in a separate engine parts manual. The engine parts manual is contained in the documentation packet shipped with the machine, and is also available separately. Contact your dealer with any documentation requests.

## Parts Ordering Information

- When ordering service parts, specify the correct part number, full description and quantity required, as well as the machine and engine model and serial numbers. For your safety and continued proper operation, use only genuine GEHL service parts.
- “Right”, “left”, “front” and “back” are determined from a position sitting on the operator’s seat and facing forward, and the excavator “house” rotated so that the blade is also facing forward.

## Model and Serial Number Record

Excavator Model Number	
Excavator Serial Number	
Engine Serial Number	

## Torque Charts

Standard attaching hardware torque values are provided on the inside back cover, and some torque values may be shown in illustrations. Metric torque

values are shown in Newton-meters, and are converted to foot-pounds by multiplying by 0.738.

## Illustrations and Parts Lists

- Not all parts shown in the illustrations may be included in the parts listings; some are not serviced separately or are not included on engines sold in all areas.
- Ref. Nos. shown in the parts listings without part numbers are shown for reference purposes only and are not available for purchase.
- Boxes or brackets may be used in some illustrations to indicate assemblies (part groupings), or in some cases to highlight different versions of individual parts or assemblies.
- Text references may be present on some illustrations to provide additional information.
- Some illustrations will contain circled letters or a circled combination of letters and numbers in addition to the regular number callouts. These special callouts may be used to identify hydraulic port locations which are marked on components, or to identify the two ends of a hose, tube, or other part that is shown split in the illustration. They may also be used to indicate a common reference point when different versions of components are shown on the illustration.

## Serial Number Locations and Information

### Locations

- Product Identification Plate - Located at the lower right front of the machine on the turning frame. There are four items shown on the plate:
  - 1) Model = machine model number
  - 2) Machine No. = machine serial number
  - 3) Engine No. = engine serial number
  - 4) Product Identification Number = a sequence starting with YMR plus the machine model number, and ending with the five digit machine serial number. The additional characters in-between provide information about specific machine configuration.

# INTRODUCTION

**NOTE:** *The engine serial number is shown on this plate for ease of access. It is also shown on a serial plate located on the engine cylinder head cover.*

- ROPS /FOPS Serial Plate - Located on a crossmember on the inside of the canopy roof, if equipped. There are four items shown on the plate:
  - 1) Machine Model = models that this structure is rated for, may be more than one model
  - 2) ROPS/FOPS part number
  - 3) ROPS/FOPS Serial Number
  - 4) Max. Gross Machine Weight
- TOPS/FOPS Serial Plate - Located inside the cabin on a support post behind the operator seat at the left side, if equipped. There are four items shown on the plate:
  - 1) TOPS/FOPS part number
  - 2) TOPS/FOPS Serial Number
  - 3) Machine Model = models that this structure is rated for, may be more than one model
  - 4) Max. Gross Machine Weight

**NOTE:** *ROPS = Roll Over Protective Structure, TOPS = Tip Over Protective Structure, FOPS = Falling Object Protective Structure*

## Additional Serial Number Information

Parts changes are often defined by serial numbers, and less often by date codes.

- Serial numbers as shown in the parts manual may have prefixes M (machine) or E (engine) preceding the serial number shown on the identification tag.
- (From 1st SN) – indicates that the part can be used on all machines from 1st serial number to present.
- “XXXXX” and “ZZZZZ” are used in the SN sequence instead of numbers for parts that have changed, but where the serial number for the change is not known.
- In some cases, a date code is used instead of a serial number, and is displayed in the YYYY.MM format. Months will be displayed as .01-.12. For example, 2012.02 would be the second month (February) of 2012.

## Reference Number Sequencing in Parts Lists

**NOTE:** *Reference numbers in the illustrations and parts listings may include sequencing variations of hyphens (-) and/or letters.*

FOR EXAMPLE (Ref. Nos.):

**5** = Original version/configuration of a part or assembly

**5-1, 5-2, etc.** = The hyphen (-) indicates an updated version/configuration of Ref. No. 5, and should have an associated serial number. The highest numbered version is the latest. If a hyphenated version is shown in the parts listing, but only the non-hyphenated version is shown in the illustration, the versions are visually similar. Multiple versions may be shown in the illustration, to identify changes.

**5A, 5B, etc.** = These parts do not replace Ref. Nos. 5 or 5-1, they are added components and may have an associated serial number.

**5-1A, 5-1B, etc.** = These are added components and may have an associated serial number.

**NOTE:** *There may be a Ref. No. 5A without an associated Ref. No. 5 in the list. In that example, Ref. No. 5A is a newly added part and may have an associated serial number and also an additional note or remark.*

# INTRODUCTION

Unless otherwise specified, all cap screws, nuts, and bolts are Grade 8.8, cadmium or zinc plated.

**NOTE:** *The following abbreviations may be used herein:*

ASSD .....	Assembled	SQ.....	Square
ASSY .....	Assembly	TOPS .....	Tip Over Protective Structure
A/C.....	Air Conditioning	US.....	Undersized
A/D .....	Auto-Deceleration	W/ .....	With
AR.....	As Required	W/O .....	Without
CB .....	Carriage Bolt		
CP .....	Cotter Pin		
CS .....	Cap Screw (Hexagon Head)		
C/V.....	Control Valve		
CYL .....	Cylinder		
DIA .....	Diameter		
ESS .....	Engine Speed Sensing		
FHCS .....	Flat Head Cap Screw		
FOPS.....	Falling Object Protective Structure		
G .....	Grams		
GR.....	Grade		
HB.....	Hex Bolt		
HLN .....	Hex Lock Nut		
HN.....	Hex Nut		
HP .....	High Pressure		
HYD.....	Hydraulic		
INS .....	Insert		
LN .....	Lock Nut		
LT .....	Left		
LW .....	Lock Washer		
M.....	Meter or Meters		
MM/mm.....	Millimeter		
N/A .....	Not Available, Not Applicable		
NPT.....	National Pipe Thread		
OS .....	Oversized		
PTO.....	Power Take-Off		
ROPS .....	Roll Over Protective Structure		
RT .....	Right		
SHCS .....	Socket Head Cap Screw		
SLTD.....	Slotted		
SN .....	Serial Number or Slotted Nut		

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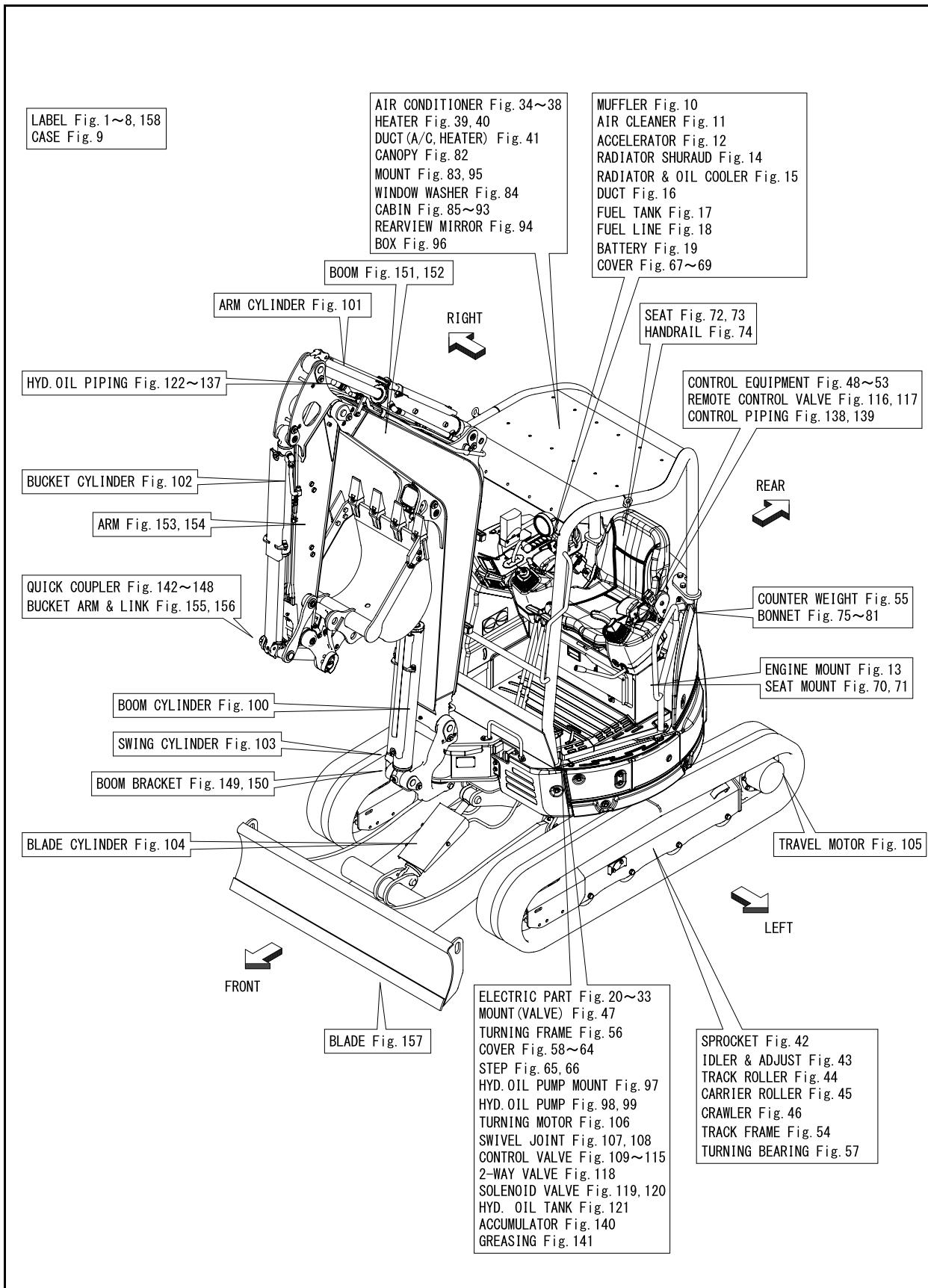
**Z35 GEN:2 - COMPACT EXCAVATOR  
SPECIAL TOOLS, PAINT**

**Ref.**

No.	Part No.	Description	Qty.
1	184467	HYDRAULIC GAUGE KIT (includes items 3, 5, 6, 7 as noted below)	1
2	50301126	TEST PORT R1/8K ADAPTER (used with Gauge Kit)	1
3	184472	TEST GAUGE, 1000PSI (1 included with Gauge Kit)	1
4	184473	TEST GAUGE, 6000PSI	1
5	184474	TEST GAUGE, 10,000PSI (3 included with Gauge Kit)	1
6	184475	TEST HOSE, 120" (4 included with Gauge Kit)	1
7	184476	ADAPTER, 4FP-M16X2BLKHD (4 included with Gauge Kit)	1
8	420-34912	ROD SEAL INSTALL TOOL, 3/4" X 1-1/4" DIAMETER SEALS	1
9	420-34913	ROD SEAL INSTALL TOOL, 1-1/2" X 2" DIAMETER SEALS	1
10	420-34914	ROD SEAL INSTALL TOOL, 2" X 3" DIAMETER SEALS	1
11	195348	SERVICE TOOL/FUEL INJECTOR PUMP TIMING KIT	1
12	272806	HYDRAULIC OIL ANALYSIS KIT (GEHL) (use with appropriate pump and tubing)	Set of 10
13	272809	ENGINE OIL ANALYSIS KIT (GEHL) (use with appropriate pump and tubing)	Set of 10
14	270811	FUEL ANALYSIS KIT (GEHL)	1
15	272812	COOLANT ANALYSIS KIT (GEHL) (use with appropriate pump and tubing)	Set of 10
16	272813	FIELD TEST COOLANT STRIP (low level visual analysis)	1
17	272814	OIL VACUUM PUMP (use with hydraulic oil and engine oil analysis kits)	1
18	272815	COOLANT VACUUM PUMP (use with coolant analysis kit)	1
19	272816	1/4" PLASTIC TUBING, 100' (bulk roll, use with hydraulic oil, engine oil and coolant analysis kits)	1
20	167788	GEHL 4-PK QT EXCAVATOR CONSTRUCTION YELLOW	1
21	167754	GEHL 4-PK QT GUNMETAL GRAY	1
22	167789	GEHL 6-PK SPRAY EXCAVATOR CONSTRUCTION YELLOW, 12.8 OZ.	1
23	167755	GEHL 6-PK SPRAY GUNMETAL GRAY, 12.8 OZ.	1

# Z35 GEN:2 - COMPACT EXCAVATOR

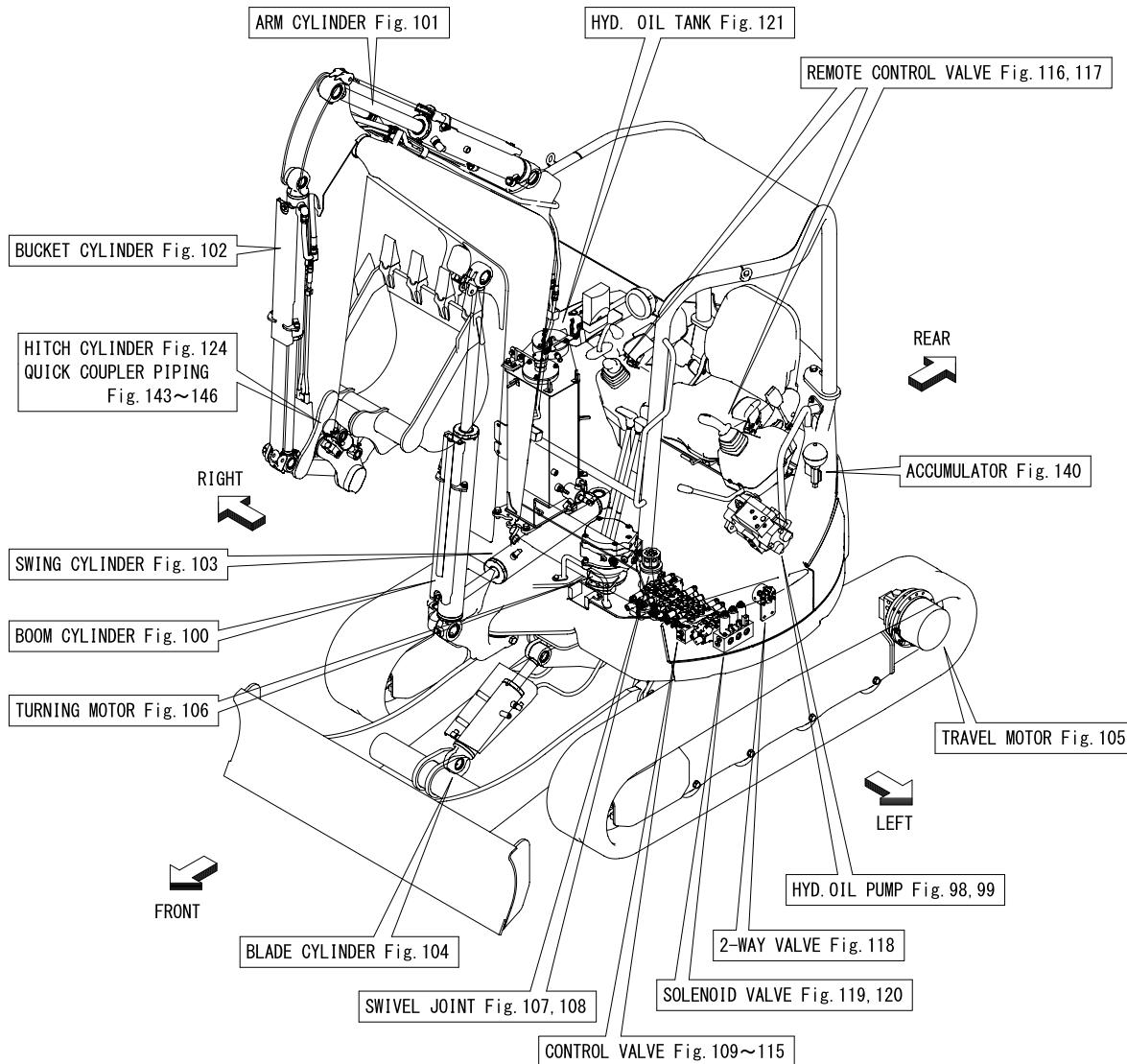
## FIGURE INDEX (1) - MAIN PARTS



**Z35 GEN:2 - COMPACT EXCAVATOR**  
**FIGURE INDEX (2) - HYDRAULIC SECTION**

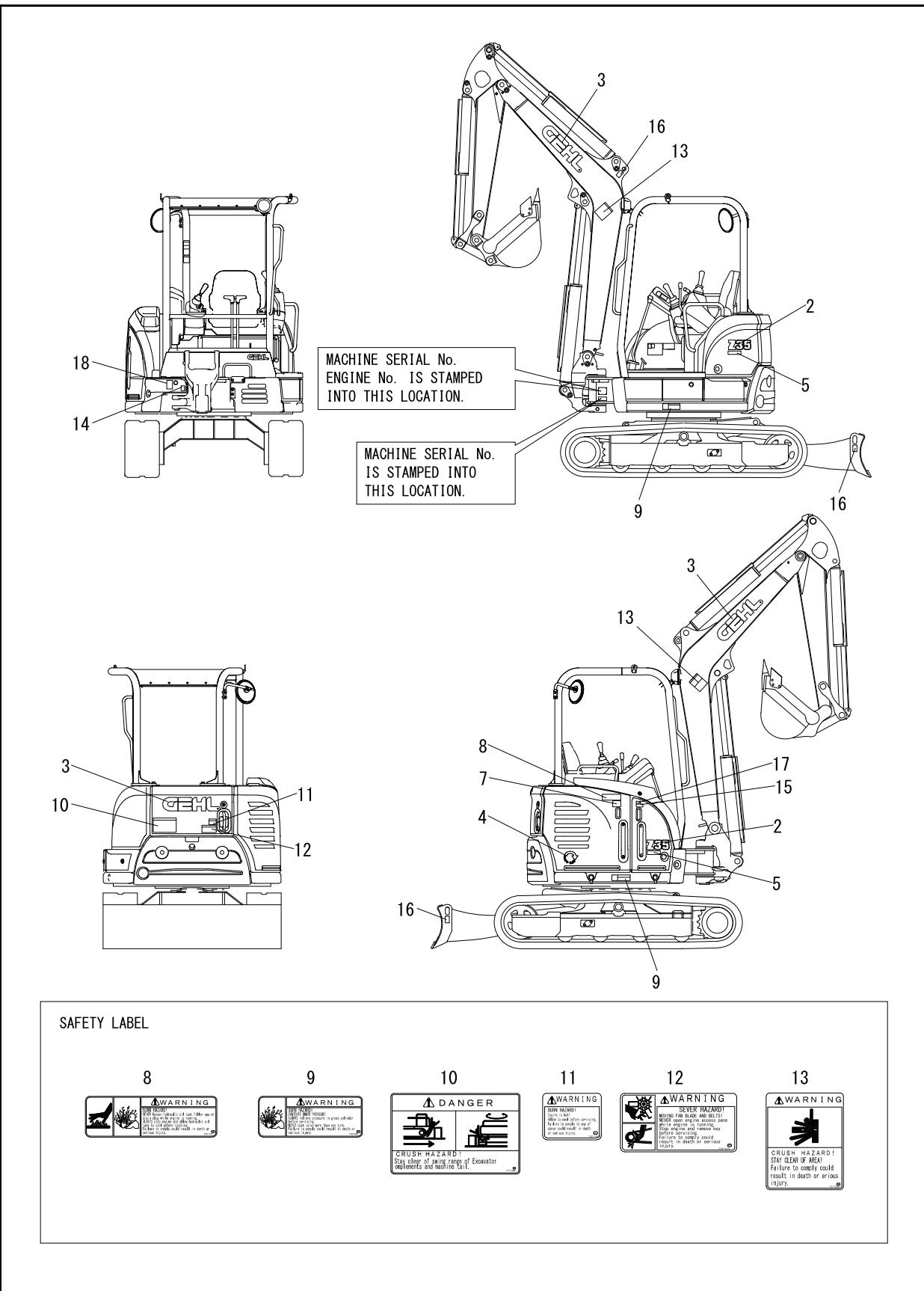
HYD. OIL PIPING Fig. 122~137

CONTROL PIPING Fig. 138, 139



# Z35 GEN:2 - COMPACT EXCAVATOR

## FIG. 1 - LABEL (EXTERIOR)



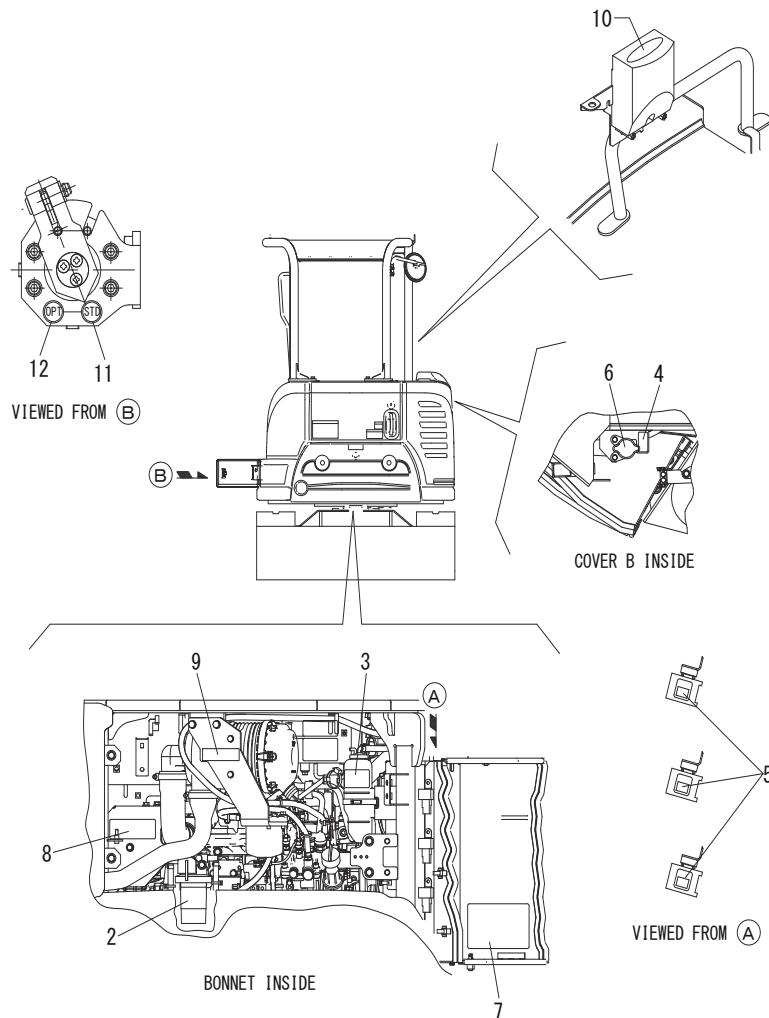
**Z35 GEN:2 - COMPACT EXCAVATOR**  
**FIG. 1 - LABEL (EXTERIOR)**

Ref.

No.	Part No.	Description	Qty.
2	50300831	DECAL/Z35	2
3	184306	DECAL/GEHL 4.75 X 20.16	3
4	50300780	DECAL/ZERO TAIL	1
5	50301424	DECAL/GEN:2	2
7	50281149	LABEL, HYD.OIL US	1
8	50281021	LABEL, HYD.OIL TANK	1
9	50281023	LABEL, GREASE CYL.	2
10	50285436	LABEL, SWING AREA US	1
11	50281028	LABEL, ENG, COVER US	1
12	50281425	LABEL, ENG ROOM	1
13	50282884	LABEL, BOOM US	2
14	50287434	LABEL, GREASE US	1
15	50281034	LABEL, FUEL US	1
16	50281035	LABEL, HOOK US	3
17	197868	LABEL/FUEL OIL NOTI	1
18	50283981	LABEL, PTO SELECT	1

# Z35 GEN:2 - COMPACT EXCAVATOR

## FIG. 3 - LABEL (BONNET INSIDE)



SAFETY LABEL



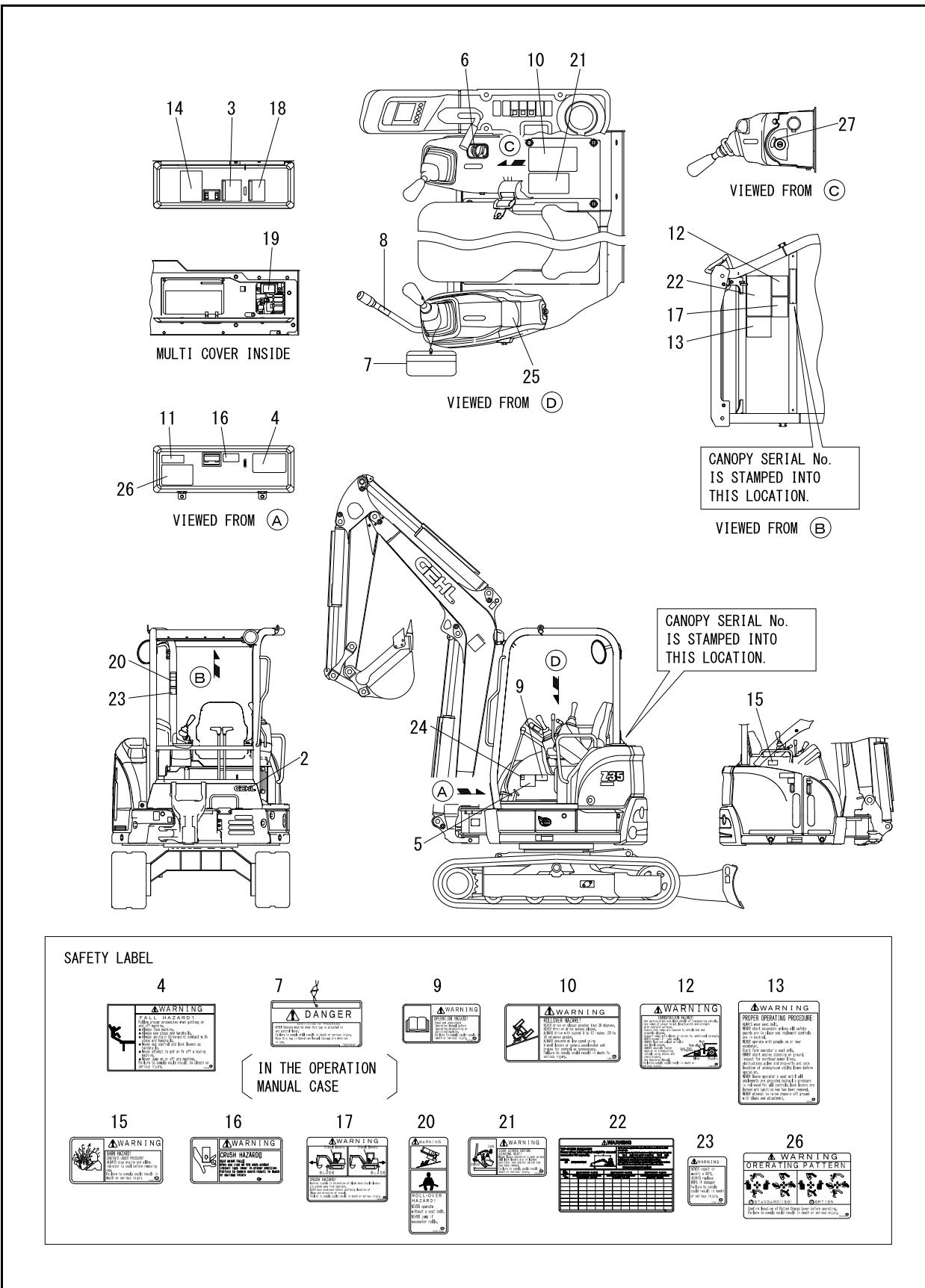
**Z35 GEN:2 - COMPACT EXCAVATOR**  
**FIG. 3 - LABEL (BONNET INSIDE)**

Ref.

No.	Part No.	Description	Qty.
2	50281407	LABEL	1
3	50281458	LABEL, SUB-TANK US	1
4	50281459	LABEL,ANTI-FREEZING	1
5	50287426	LABEL,FUSE	1
6	50281147	LABEL	1
7	50281024	LABEL, BATTERY US	1
8	50287429	LABEL,SILENCER EX	1
9	50280797	LABEL, AIR CLEANER	1
10	50301147	DECAL/POWER-A-TACH	1
11	50281038	LABEL	1
12	50281039	LABEL	1

# Z35 GEN:2 - COMPACT EXCAVATOR

## FIG. 4 - LABEL (CANOPY)



**Z35 GEN:2 - COMPACT EXCAVATOR****FIG. 4 - LABEL (CANOPY)**

Ref.

No. Part No.

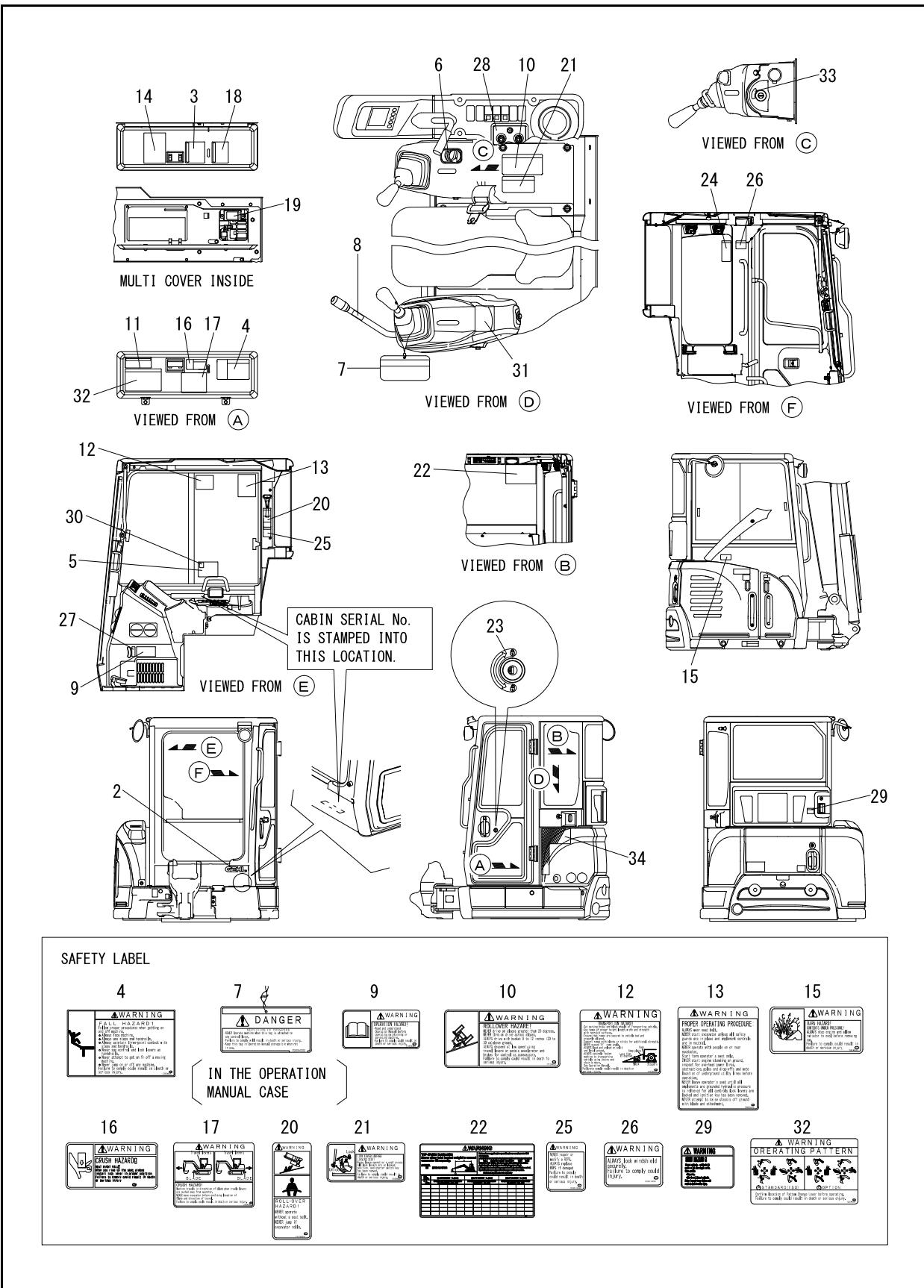
Description

Qty.

2	104833	DECAL/ GEHL 2.00 X 8.49 (WHITE)	1
3	50282883	LABEL, CRAWLER US	1
4	50281172	LABEL, SUPPORT US	1
5	50287422	LABEL, OPERATION	1
6	50281547	LABEL,ACCELERATOR	1
7	50281018	TAG ASSY, CAUTION	1
8	50280917	LABEL,LOCK	1
9	50281019	LABEL, MANUAL US	1
10	50281020	LABEL,SLOPE US	1
11	50288042	LABEL, SPEC US	1
12	50281022	LABEL, TRANSPORT US	1
13	50281025	LABEL, NEUTRAL US	1
14	50287428	LABEL,OIL/WATER US	1
15	50281027	LABEL, RADIATOR US	1
16	50287430	LABEL,SEAT TILT UP	1
17	50281030	LABEL, STEERING US	1
18	50287432	LABEL,GREASING US	1
19	50287433	LABEL,FUSE BOX US	1
20	50281032	LABEL, SEAT BELT US	1
21	50281033	LABEL, LEVER LOCK US	1
22	50288043	LABEL,LIFT EX	1
23	50281031	LABEL, ROPS US	1
24	50283980	LABEL,PTO SWITCH	1
25	50283362	LABEL,PTO EX	1
26	50281037	LABEL, 2-WAY US	1
27	50287423	LABEL,SW	1

# Z35 GEN:2 - COMPACT EXCAVATOR

## FIG. 6 - LABEL (CABIN)



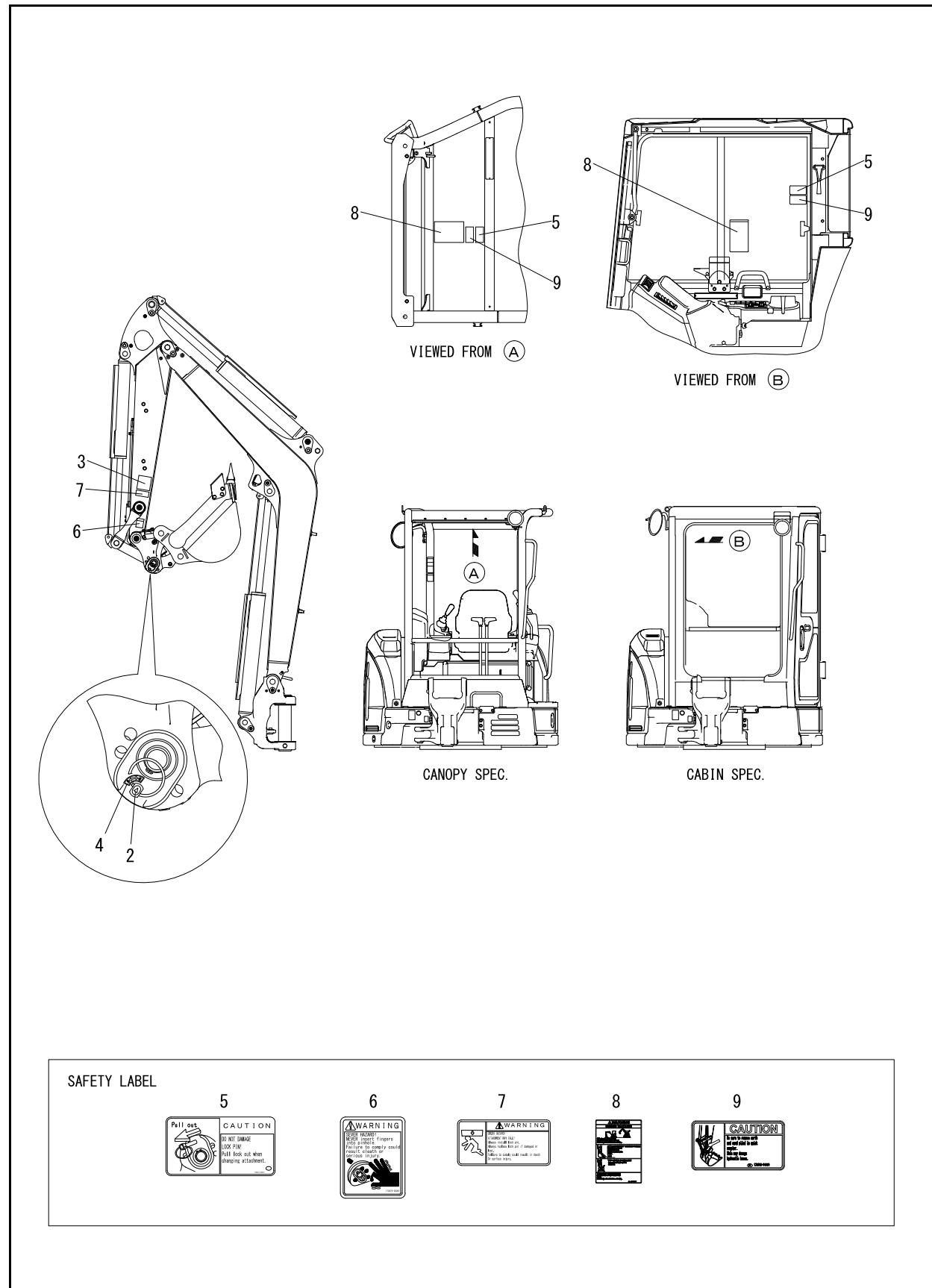
**Z35 GEN:2 - COMPACT EXCAVATOR**  
**FIG. 6 - LABEL (CABIN)**

Ref.

No.	Part No.	Description	Qty.
2	104833	DECAL/ GEHL 2.00 X 8.49 (WHITE)	1
3	50282883	LABEL, CRAWLER US	1
4	50281172	LABEL, SUPPORT US	1
5	50287422	LABEL, OPERATION	1
6	50281547	LABEL,ACCELERATOR	1
7	50281018	TAG ASSY, CAUTION	1
8	50280917	LABEL,LOCK	1
9	50281019	LABEL, MANUAL US	1
10	50281020	LABEL,SLOPE US	1
11	50288042	LABEL, SPEC US	1
12	50281022	LABEL, TRANSPORT US	1
13	50281025	LABEL, NEUTRAL US	1
14	50287428	LABEL,OIL/WATER US	1
15	50281027	LABEL, RADIATOR US	1
16	50287430	LABEL,SEAT TILT UP	1
17	50281030	LABEL, STEERING US	1
18	50287432	LABEL,GREASING US	1
19	50287433	LABEL,FUSE BOX US	1
20	50281032	LABEL, SEAT BELT US	1
21	50281033	LABEL, LEVER LOCK US	1
22	50288043	LABEL,LIFT EX	1
23	50287427	LABEL,DOOR KEY LOCK	1
24	50283217	LABEL,F/W LOWER US	1
25	50281031	LABEL, ROPS US	1
26	50281036	LABEL, WINDOW US	1
27	50287424	LABEL,AIR SELECT	1
28	50287425	LABEL,SW A/C	1
29	50287431	LABEL,WARNING A/C US	1
30	50283980	LABEL,PTO SWITCH	1
31	50283362	LABEL,PTO EX	1
32	50281037	LABEL, 2-WAY US	1
33	50287423	LABEL,SW	1
34	50287421	LABEL,CAB L	1

# Z35 GEN:2 - COMPACT EXCAVATOR

## FIG. 8 - LABEL (QUICK COUPLER)



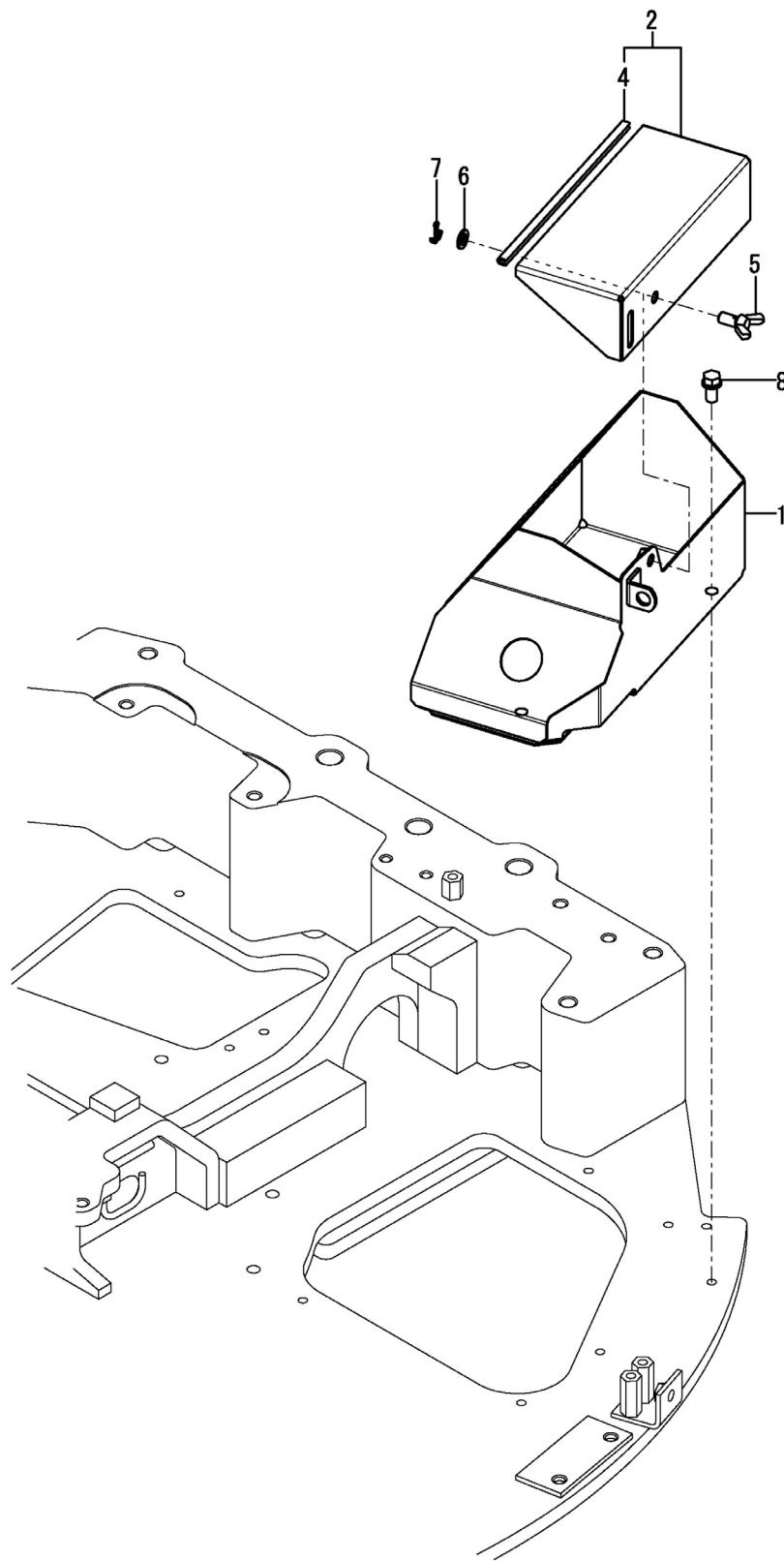
**Z35 GEN:2 - COMPACT EXCAVATOR**  
**FIG. 8 - LABEL (QUICK COUPLER)**

Ref.

No.	Part No.	Description	Qty.
2	50281361	LABEL	1
3	50281173	LABEL, OPERATION PIN	1
4	50281130	LABEL, LOCK	1
5	50281174	LABEL, PIN US	1
6	50281176	LABEL, FINGER US	1
7	50281181	LABEL,LOCK PIN(US	1
8	50287435	LABEL,WARNING HITCH	1
9	50287436	LABEL,SAND US	1

# Z35 GEN:2 - COMPACT EXCAVATOR

## FIG. 9 - CASE (TOOL)



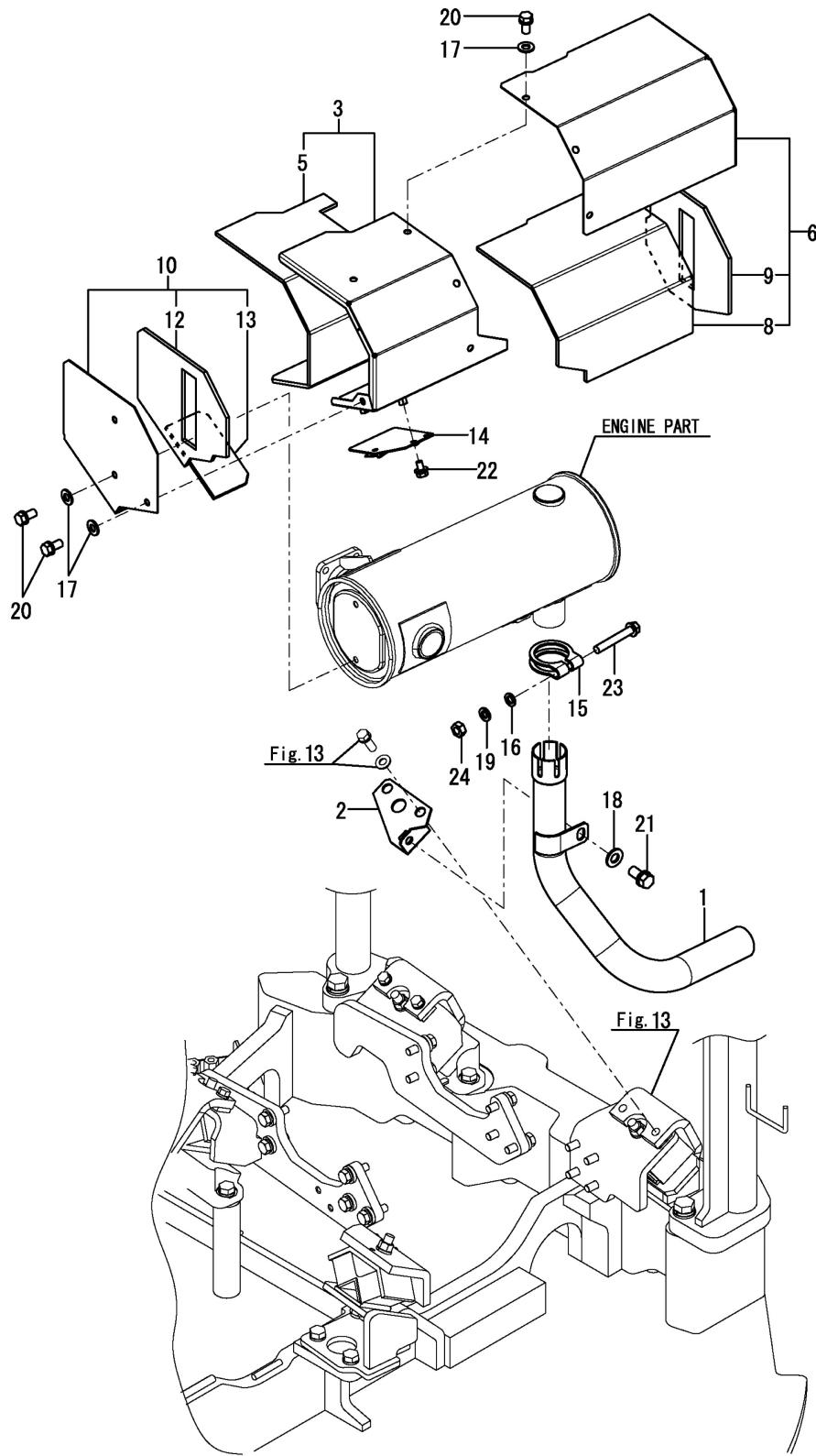
**Z35 GEN:2 - COMPACT EXCAVATOR**  
**FIG. 9 - CASE (TOOL)**

**Ref.**

No.	Part No.	Description	Qty.
1	50287448	BOX ASSY, TOOL	1
2	50287449	PLATE ASSY, UP BOX	1
4	50287096	TRIM 245	1
5	50280817	WING BOLT,M10X20	1
6	50282377	WASHER 10	1
7	50282419	COTTER PIN 2.5X20	1
8	50282515	BOLT W/WASHER M10X20	2

# Z35 GEN:2 - COMPACT EXCAVATOR

## FIG. 10 - MUFFLER



**Z35 GEN:2 - COMPACT EXCAVATOR**  
**FIG. 10 - MUFFLER**

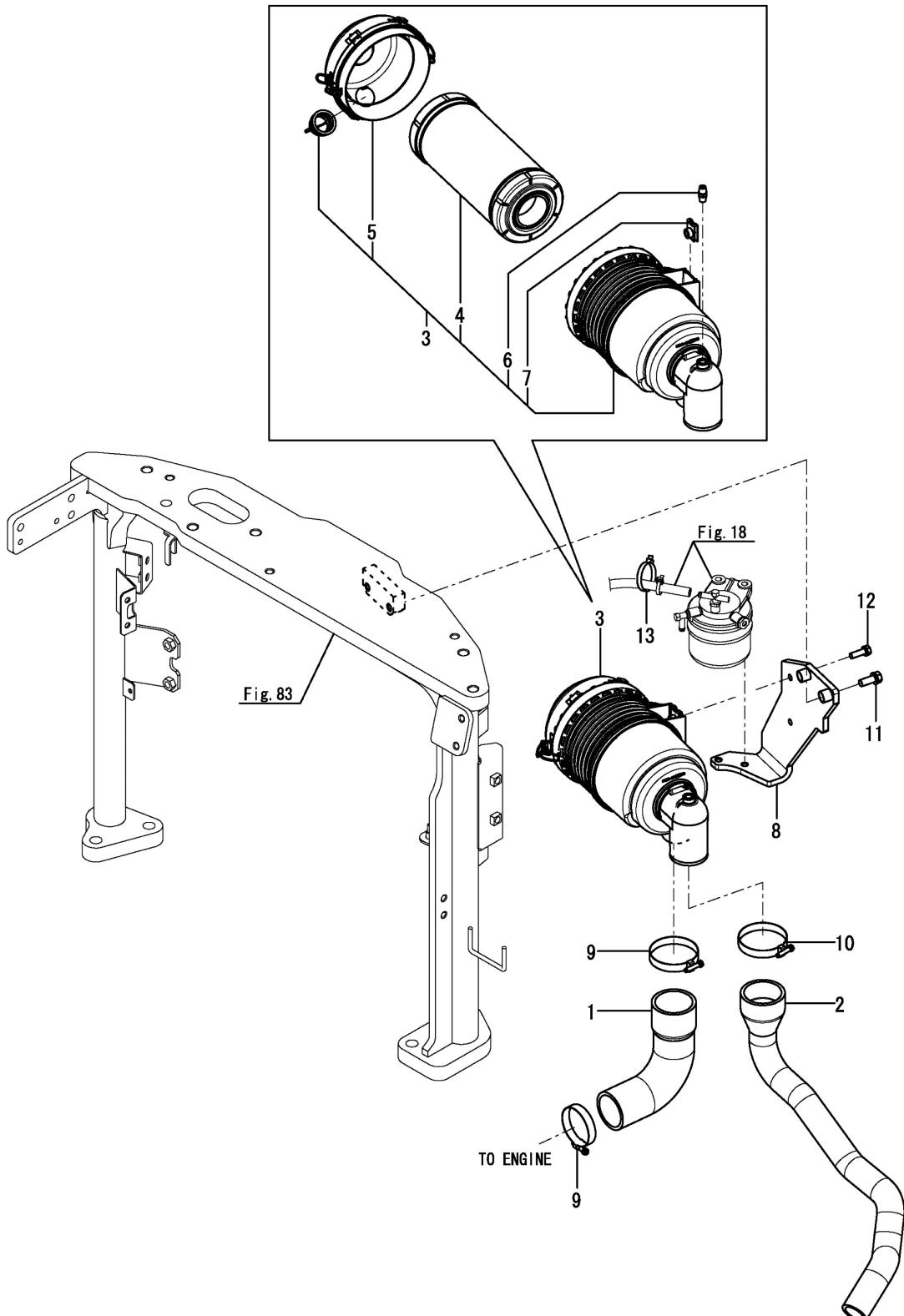
**Ref.**

No.	Part No.	Description	Qty.
1	50287457	PIPE ASSY, EXHAUST	1
2	50287458	BRACKET ASSY,EXHAUST	1
3	50287466	COVER ASSY,MUFFLER A	1
5	50287468	SHEET, INSULATION A	1
6	50287469	COVER ASSY,MUFFLER B (replacement also requires label 9A)	1
8	50287471	SHEET, INSULATION B	1
9	50287472	SHEET, INSULATION C	1
9A	50287429	LABEL,SILENCER EX*	1
10	50287473	COVER ASSY,MUFFLER C	1
12	50287475	SHEET, INSULATION D	1
13	50287476	SHEET, INSULATION E	1
14	50287477	PLATE ASSY,CONNECTOR	1
15	50286869	CLAMP	1
16	50282377	WASHER 10	1
17	50282380	WASHER 8, POLISHED	8
18	138111	WASHER/POLISHED	1
19	50282393	SPRING WASHER 10	1
20	50282506	BOLT W/WASHER M8X16	8
21	50282515	BOLT W/WASHER M10X20	1
22	50282530	BOLT M 6X 12	2
23	50282561	BOLT M10X 65 PLATED	1
24	50282594	NUT M10	1

NOTE: \* Label shown on Page 6

# Z35 GEN:2 - COMPACT EXCAVATOR

## FIG. 11 - AIR CLEANER



**Z35 GEN:2 - COMPACT EXCAVATOR**  
**FIG. 11 - AIR CLEANER**

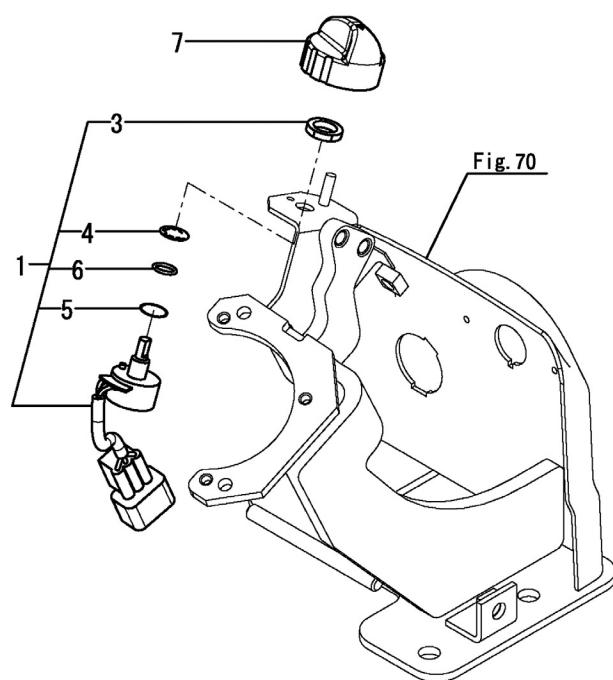
**Ref.**

No.	Part No.	Description	Qty.
1	50287460	HOSE, AIR CLEANER A	1
2	50287461	HOSE, AIR CLEANER B	1
3	50287462	AIR CLEANER ASSY	1
4	50286729	AIR CLEANER ELEMENT	1
5	50287463	COVER ASSY,AIRCLEANE	1
6	50287464	PLUG	1
7	50287465	NUT,AIR CLEANER	2
8	50287480	BRACKET ASSY,A CL US (replacement also requires label 8A)	1
8A	50280797	LABEL, AIR CLEANER *	1
9	425-36133	CLAMP 70	2
10	425-36133	CLAMP 70	1
11	50282519	BOLT M10X 40	2
12	425-35026	BOLT M8 X 25	2
13	50280798	Band 300 (SN MZZZZZ and Up)	1

NOTE: \* Label shown on Page 6

# Z35 GEN:2 - COMPACT EXCAVATOR

## FIG. 12 - ACCELERATOR



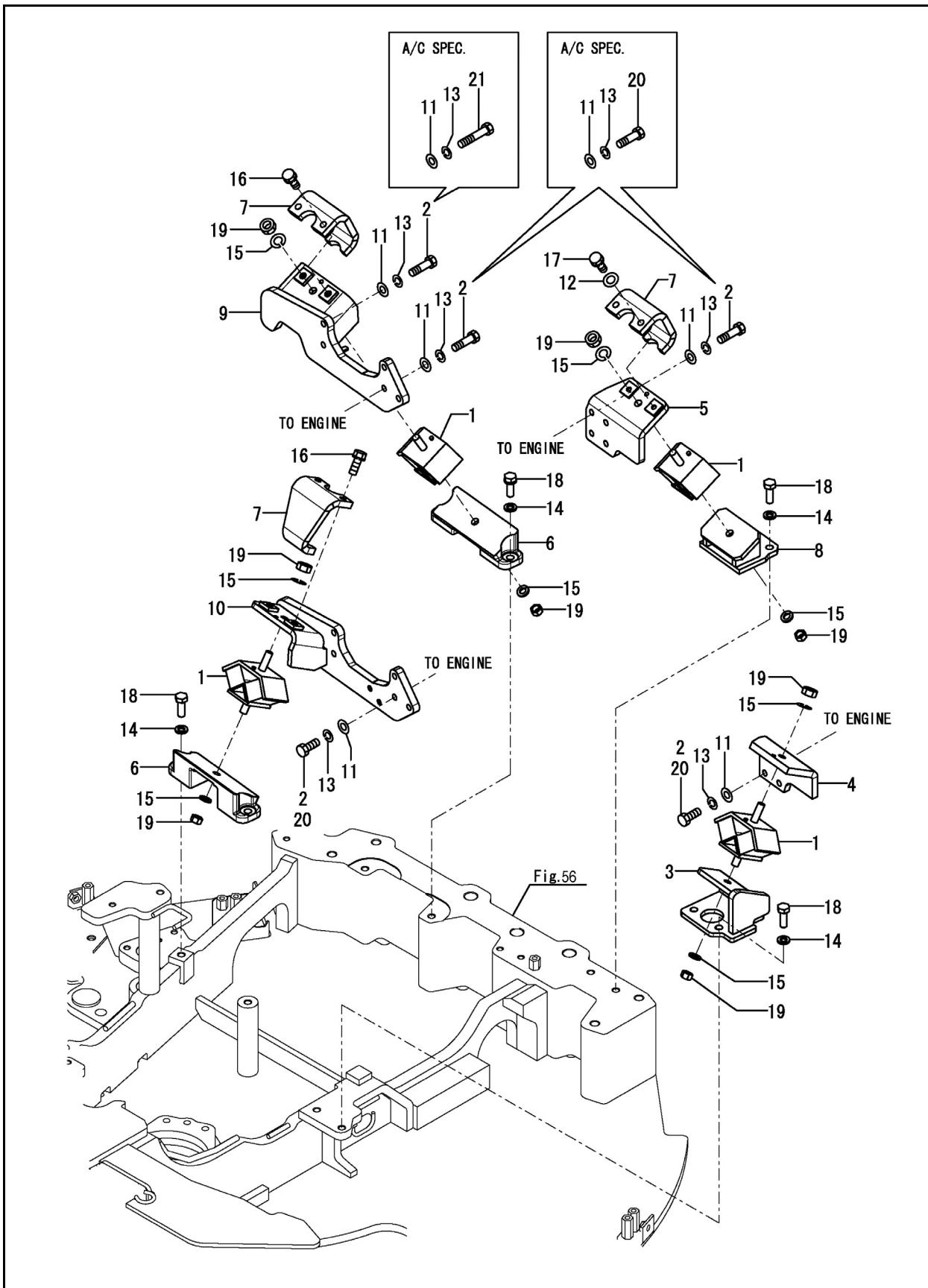
**Z35 GEN:2 - COMPACT EXCAVATOR**  
**FIG. 12 - ACCELERATOR**

**Ref.**

No.	Part No.	Description	Qty.
1	50281556	VOLUME, ACCEL ASSY	1
3	50281558	NUT M9P0.75	1
4	50281559	WASHER	1
5	50281560	WATER PROOF RING	1
6	50281561	O RING	1
7	50281557	KNOB ASSY,ACCEL	1

# Z35 GEN:2 - COMPACT EXCAVATOR

## FIG. 13 - ENGINE MOUNT



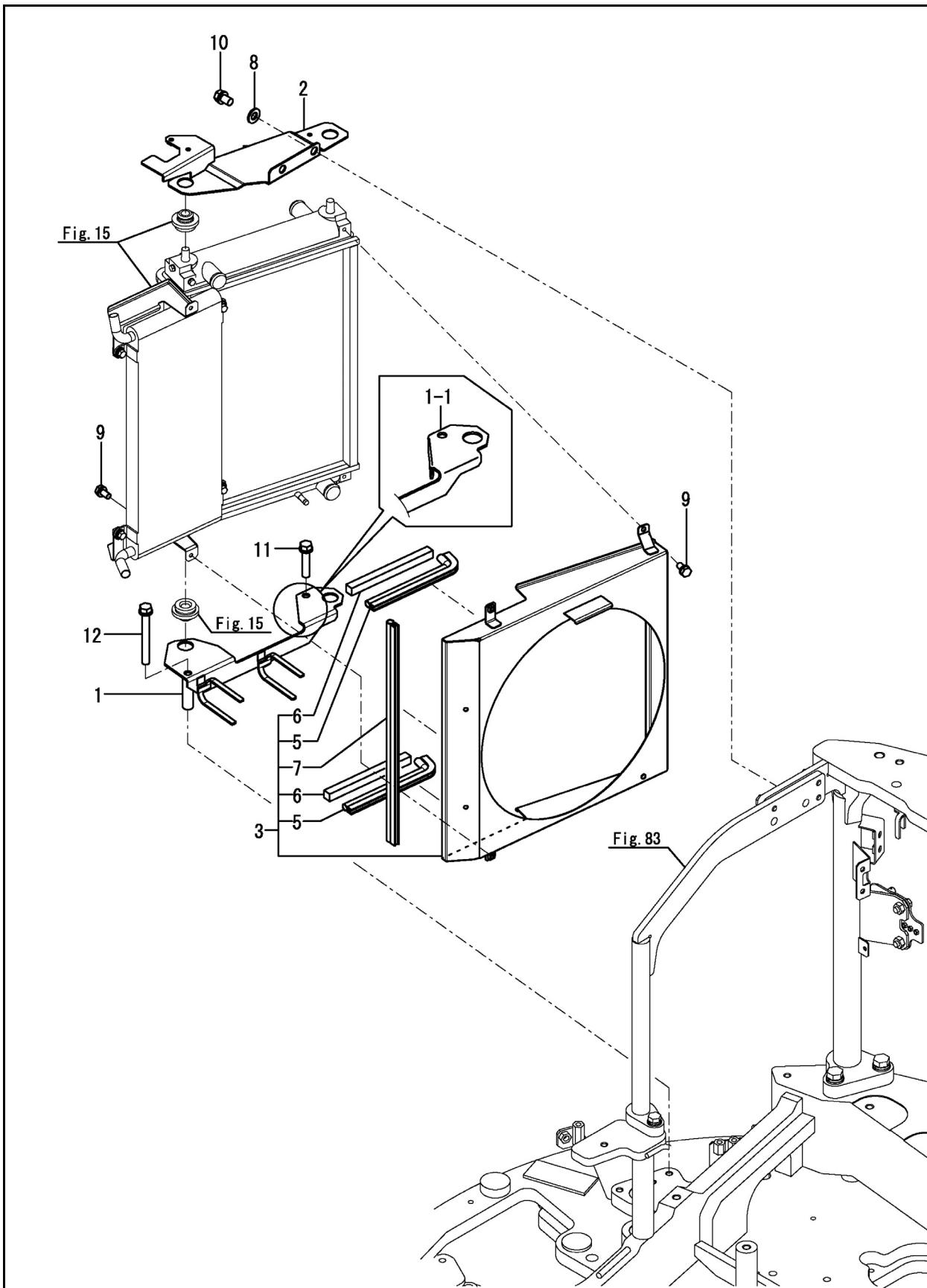
**Z35 GEN:2 - COMPACT EXCAVATOR**  
**FIG. 13 - ENGINE MOUNT**

Ref.

No.	Part No.	Description	Qty.
1	50284835	ABSORBER, SHOCK	4
2	50281411	BOLT 10X35,11T	18
3	50287478	MOUNT ASSY, ENG L	1
4	50284231	PLATE	1
5	50287146	BRACKET ASSY,EN BR	1
6	50287131	BRACKET, ENGINE	2
7	50284197	STOPPER, ENGINE	3
8	50287481	MOUNT ASSY, ENG R	1
9	50287482	BRACKET ASSY, ENG FR	1
10	50287483	BRACKET ASSY, ENG FL	1
11	50283985	COLLAR	18
12	138111	WASHER/POLISHED	2
13	50282393	SPRING WASHER 10	18
14	425-34902	SPRING WASHER 12	8
15	425-34902	SPRING WASHER 12	8
16	50282516	BOLT W/WASHER M10X25	4
17	50282517	BOLT M10X 30	2
18	50282551	BOLT M12X 35	8
19	210-32084	NUT, HEX M12 X 1.75	8
20	50281411	BOLT 10X35,11T (w/ A/C)	17
21	50288173	BOLT (w/ A/C)	1

# Z35 GEN:2 - COMPACT EXCAVATOR

## FIG. 14 - RADIATOR SHROUD

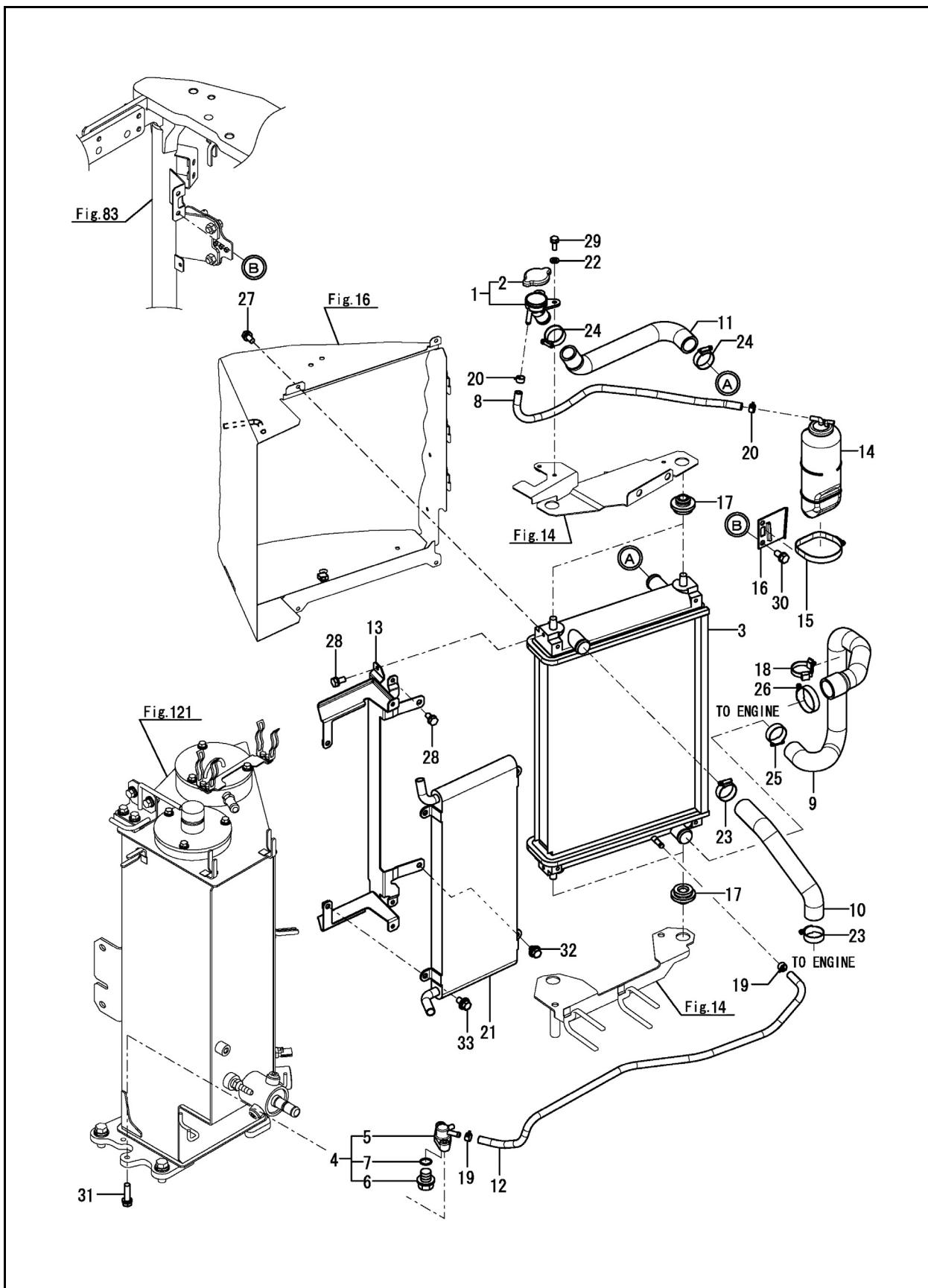


**Z35 GEN:2 - COMPACT EXCAVATOR**  
**FIG. 14 - RADIATOR SHROUD**

<b>Ref.</b>			
<b>No.</b>	<b>Part No.</b>	<b>Description</b>	<b>Qty.</b>
1	50287484	BRACKET ASSY, L RAD (SN Before MZZZZZ)	1
1-1	50287485	BRACKET ASSY, L RAD (SN MZZZZZ and Up)	1
2	50287486	BRACKET ASSY, U RAD	1
3	50287494	SHROUD ASSY	1
5	50287496	RUBBER, SEAL 210	2
6	50287497	SEAL, 15X15X175	2
7	50287184	RUBBER, SEAL	1
8	138111	WASHER/POLISHED	2
9	50282501	BOLT M 6X 12	4
10	50282514	BOLT M10X 16	2
11	50282520	BOLT M10X 45	1
12	50282524	BOLT W/WASHER 10X 85	1

# Z35 GEN:2 - COMPACT EXCAVATOR

## FIG. 15 - RADIATOR AND OIL COOLER



**Z35 GEN:2 - COMPACT EXCAVATOR**  
**FIG. 15 - RADIATOR AND OIL COOLER**

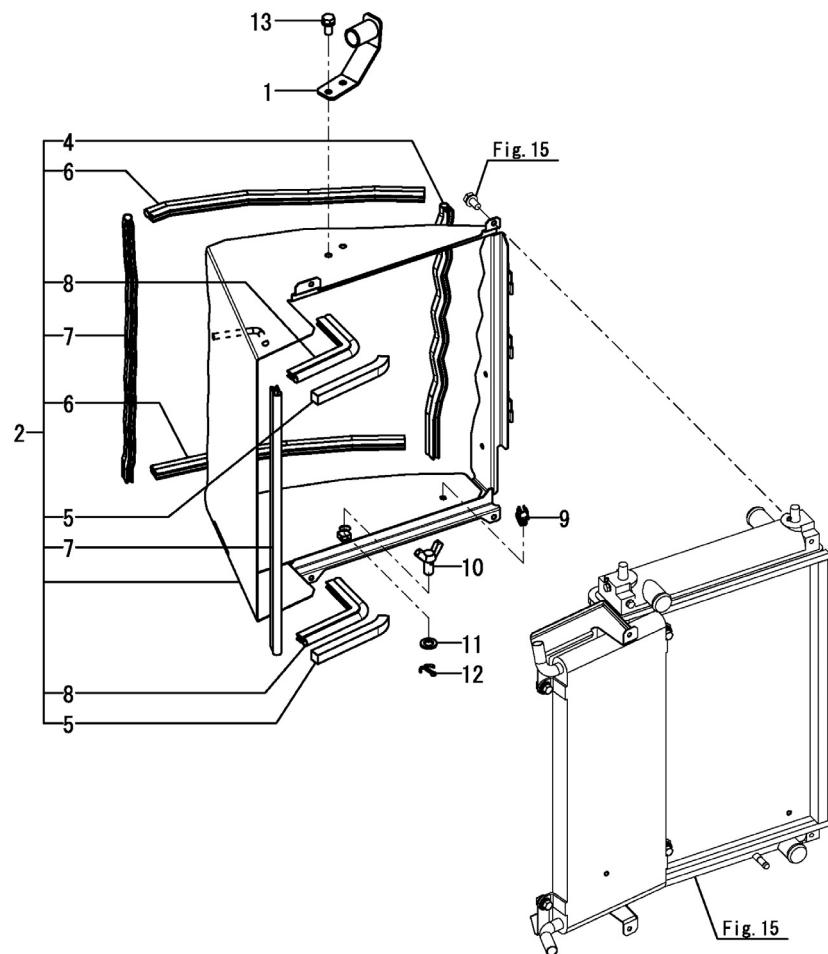
Ref.

No.	Part No.	Description	Qty.
1	50288118	FILLER ASSY	1
2	50288119	CAP, FILLER	1
3	50287479	RADIATOR ASSY	1
4	50281046	COCK ASSY,2-WAY	1
5	50281047	BODY	1
6	50280728	PLUG	1
7	425-34744	O-RING 1A P-16.0	1
8	50287068	HOSE	1
9	Order 9-1	Upper Radiator Hose (SN Before MZZZZZ)	1
9- 1	50287487	HOSE,CW-TA (SN MZZZZZ and Up)	1
10	50286731	LOWER RADIATOR HOSE	1
11	50286732	UPPER RADIATOR HOSE	1
12	50287488	HOSE ASSY, 800	1
13	50287493	BRACKET ASSY, S	1
14	50286988	TANK ASSY, SUB (replacement also requires label 14A)	1
14A	50281458	LABEL, SUB-TANK US *	1
15	425-36235	BAND	1
16	425-36152	BRACKET/SUB-TANK	1
17	50282346	RUBBER, RADIATOR	4
18	50284003	BAND	1
19	425-34916	CLAMP 12	2
20	425-34916	CLAMP 12	2
21	50287855	COOLER ASSY, OIL	1
22	50282379	WASHER 6, POLISHED	2
23	50282430	CLIP 41,HOSE	2
24	50282430	CLIP 41,HOSE	2
25	50282430	CLIP 41,HOSE	1
26	50282431	CLIP, HOSE	1
27	50282501	BOLT M 6X 12	4
28	50282501	BOLT M 6X 12	4
29	50282502	BOLT M 6X 16	2
30	50282506	BOLT W/WASHER M8X16	2
31	50282509	BOLT M 8X 30	2
32	50288170	BOLT	2
33	50282533	BOLT M 8X 16	2

NOTE: \* Label shown on Page 6

# Z35 GEN:2 - COMPACT EXCAVATOR

## FIG. 16 - DUCT



**Z35 GEN:2 - COMPACT EXCAVATOR**  
**FIG. 16 - DUCT**

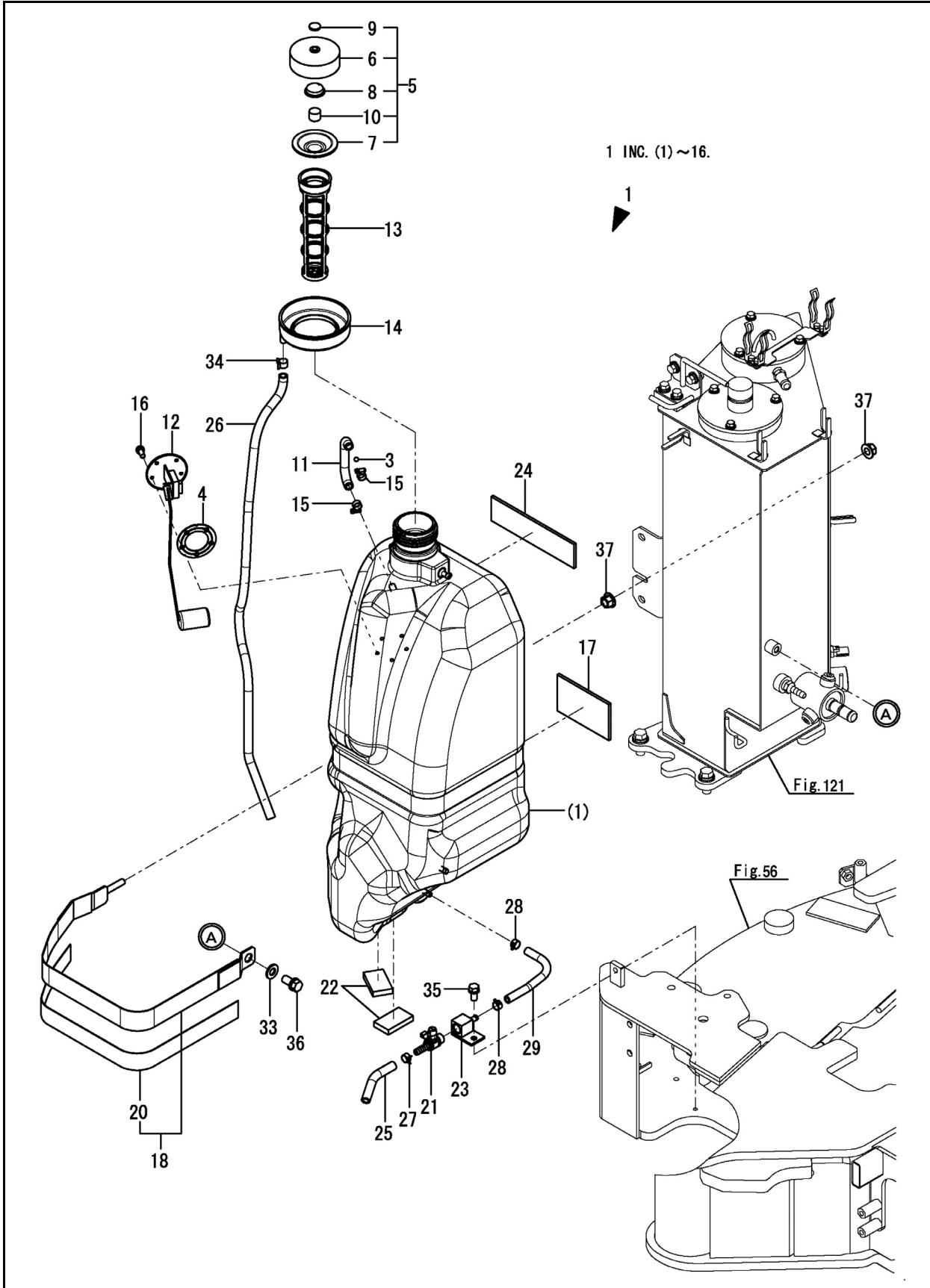
**Ref.**

No.	Part No.	Description	Qty.
1	50287447	PLATE ASSY,GREASE	1
2	50287489	DUCT ASSY (replacement also requires labels 8A and 8B)	1
4	50287491	SEAL, 480	1
5	50287492	SEAL, 130	2
6	50285471	SEAL A,OC	2
7	50287184	RUBBER, SEAL	2
8	50287182	SEAL 190	2
8A	50281459	LABEL,ANTI-FREEZING *	1
8B	50281024	LABEL, BATTERY US *	1
9	50282365	HOLDER, ROD 8	1
10	50280817	WING BOLT,M10X20	1
11	50282377	WASHER 10	1
12	50282420	COTTER PIN 3.2X20	1
13	50282506	BOLT W/WASHER M8X16	2

NOTE: \* Labels shown on Page 6

# Z35 GEN:2 - COMPACT EXCAVATOR

## FIG. 17 - FUEL TANK



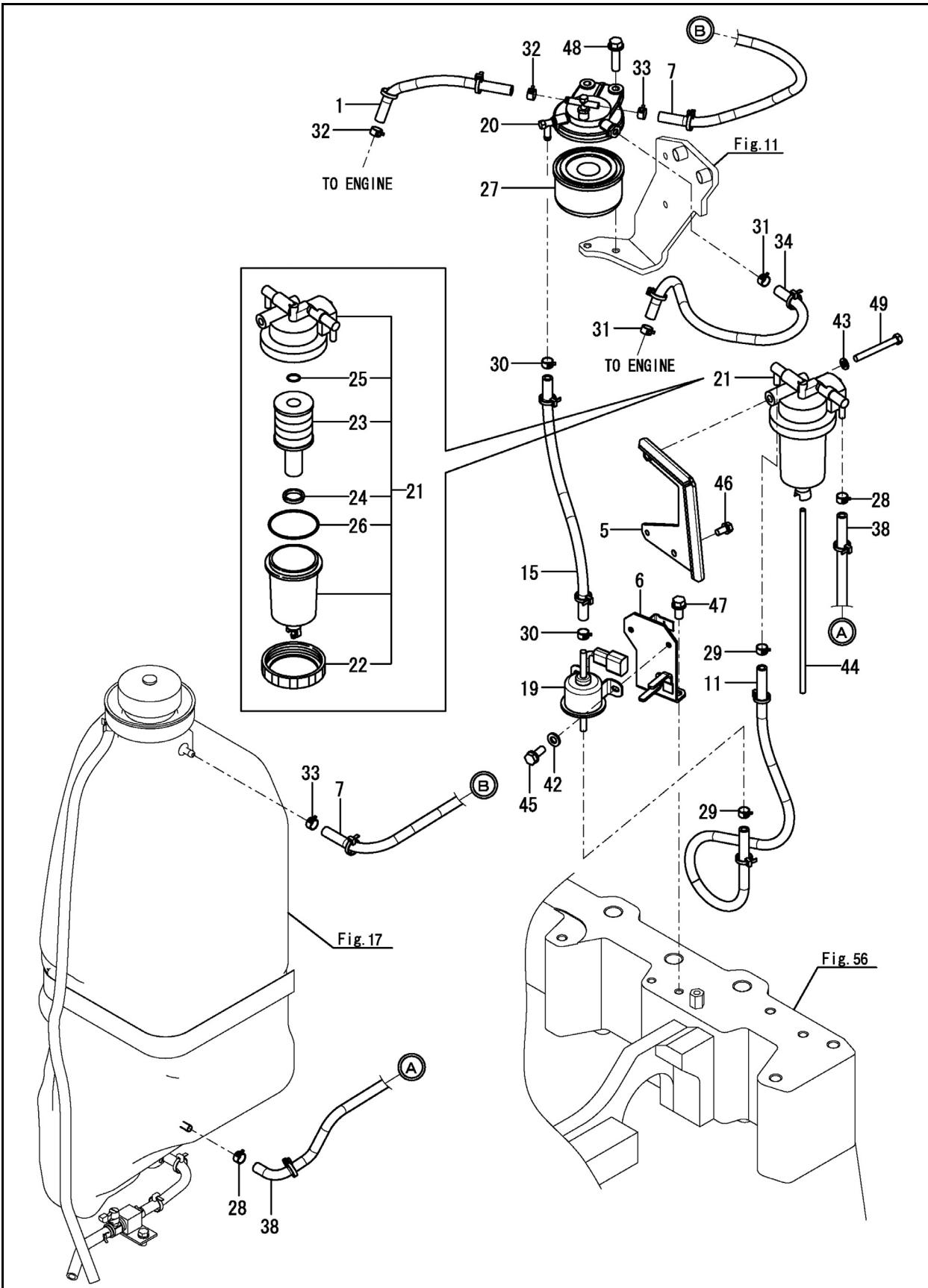
**Z35 GEN:2 - COMPACT EXCAVATOR**  
**FIG. 17 - FUEL TANK**

Ref.

No.	Part No.	Description	Qty.
1	50287454	TANK KIT,FUEL	1
3	50281060	FLOAT	1
4	50280854	GASKET	1
5	50284256	FUEL CAP	1
6	50284257	CAP	1
7	50284258	GASKET	1
8	50284259	GASKET	1
9	50284260	WASHER	1
10	50284261	SPONGE	1
11	50281131	HOSE, FUEL GAUGE	1
12	50287502	GAUGE, FUEL	1
13	50287504	STRAINER, 200	1
14	50282953	CUP,FUEL OIL	1
15	425-34918	CLAMP 13	2
16	425-36271	SCREW M 5 X 12	5
17	50284255	PLATE A	1
18	50287499	CLAMP ASSY, FO	1
20	50287501	RUBBER, CLAMP	1
21	50281573	VALVE,FUEL DRAIN	1
22	50287503	RUBBER,FO A	2
23	50287505	JOINT ASSY, DRAIN	1
24	50287132	PLATE, RUBBER	1
25	50287098	HOSE, DRAIN	1
26	50283407	HOSE	1
27	50280724	CLIP, HOSE	1
28	425-34916	CLAMP 12	2
29	50288085	HOSE	1
33	138111	WASHER/POLISHED	1
34	50282437	CLAMP 13,HOSE	1
35	50282506	BOLT W/WASHER M8X16	1
36	50282515	BOLT W/WASHER M10X20	1
37	50282578	U-NUT M10	2

# Z35 GEN:2 - COMPACT EXCAVATOR

## FIG. 18 - FUEL LINE



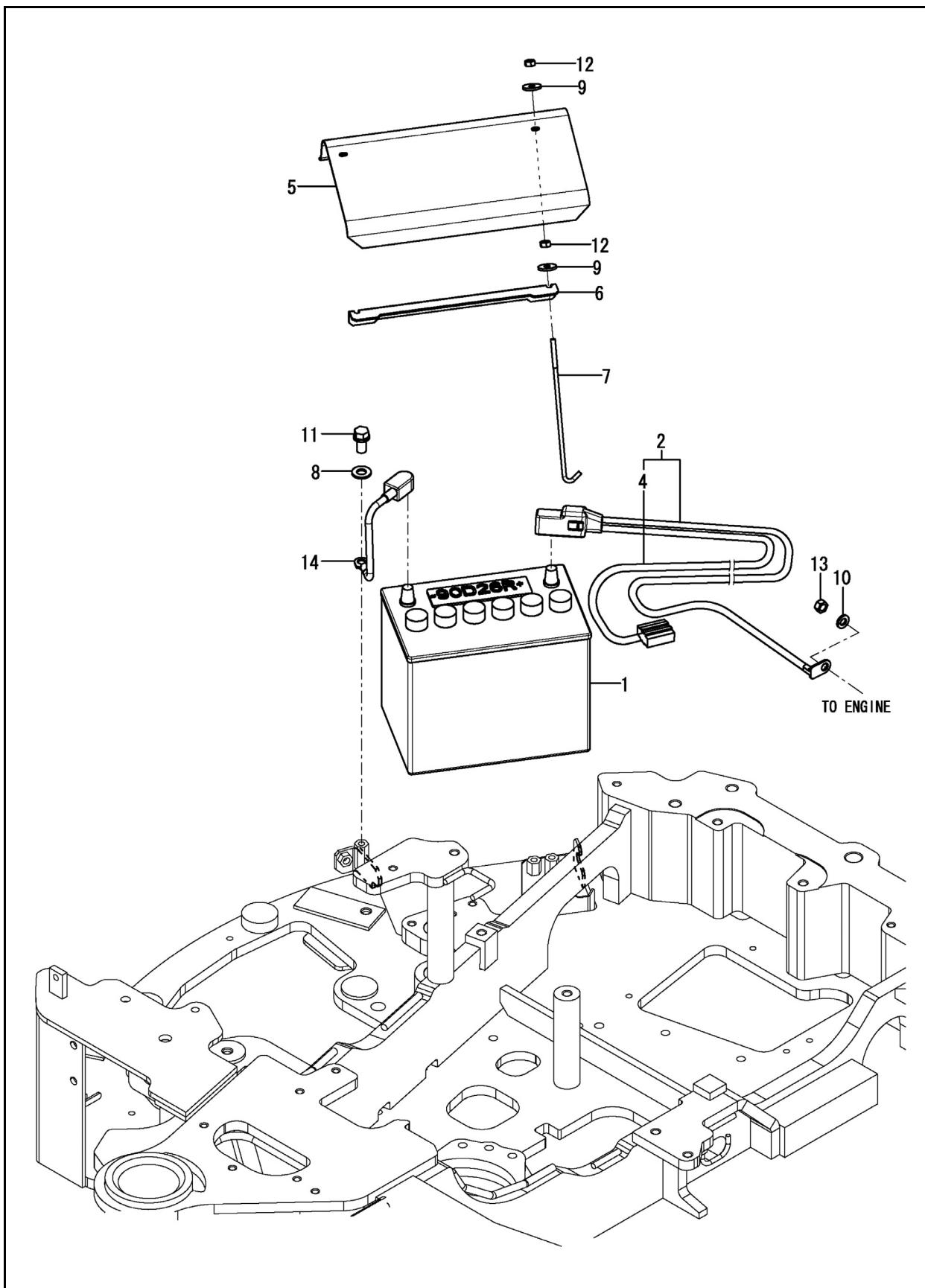
**Z35 GEN:2 - COMPACT EXCAVATOR**  
**FIG. 18 - FUEL LINE**

Ref.

No.	Part No.	Description	Qty.
1	50285478	HOSE, FUEL OIL	1
5	50287506	BRACKET ASSY,WS	1
6	50287507	BRACKET ASSY, FP	1
7	50284505	FO HOSE ASSY,1750	1
11	50287508	HOSE ASSY, FO 600	1
15	50287101	HOSE, FUEL	1
19	186483	FUEL PUMP	1
20	186467	BRACKET FILTER	1
21	50282349	SEPARATOR ASSY,WATER	1
22	425-34924	RING, RETAINING	1
23	186340	FILTER	1
24	50286600	FLOAT	1
25	425-34744	O-RING 1A P-16.0	1
26	425-34927	O-RING 1A G65	1
27	270979	FILTER/FUEL OIL	1
28	425-34916	CLAMP 12	2
29	425-34916	CLAMP 12	2
30	425-34916	CLAMP 12	2
31	425-34916	CLAMP 12	2
32	425-34916	CLAMP 12	2
33	425-34916	CLAMP 12	2
34	50288084	PIPE ASSY, FUEL	1
38	50288090	PIPE ASSY, FUEL 1600	1
42	50282379	WASHER 6, POLISHED	2
43	50282392	WASHER, 8	1
44	50284066	PIPE,VINYL 5	1
45	50282502	BOLT M 6X 16	2
46	50282506	BOLT W/WASHER M8X16	2
47	50282515	BOLT W/WASHER M10X20	2
48	425-34760	BOLT M8 X 30 PLATED	2
49	50284116	BOLT M8 X 70 PLATED	1

# Z35 GEN:2 - COMPACT EXCAVATOR

## FIG. 19 - BATTERY



**Z35 GEN:2 - COMPACT EXCAVATOR**  
**FIG. 19 - BATTERY**

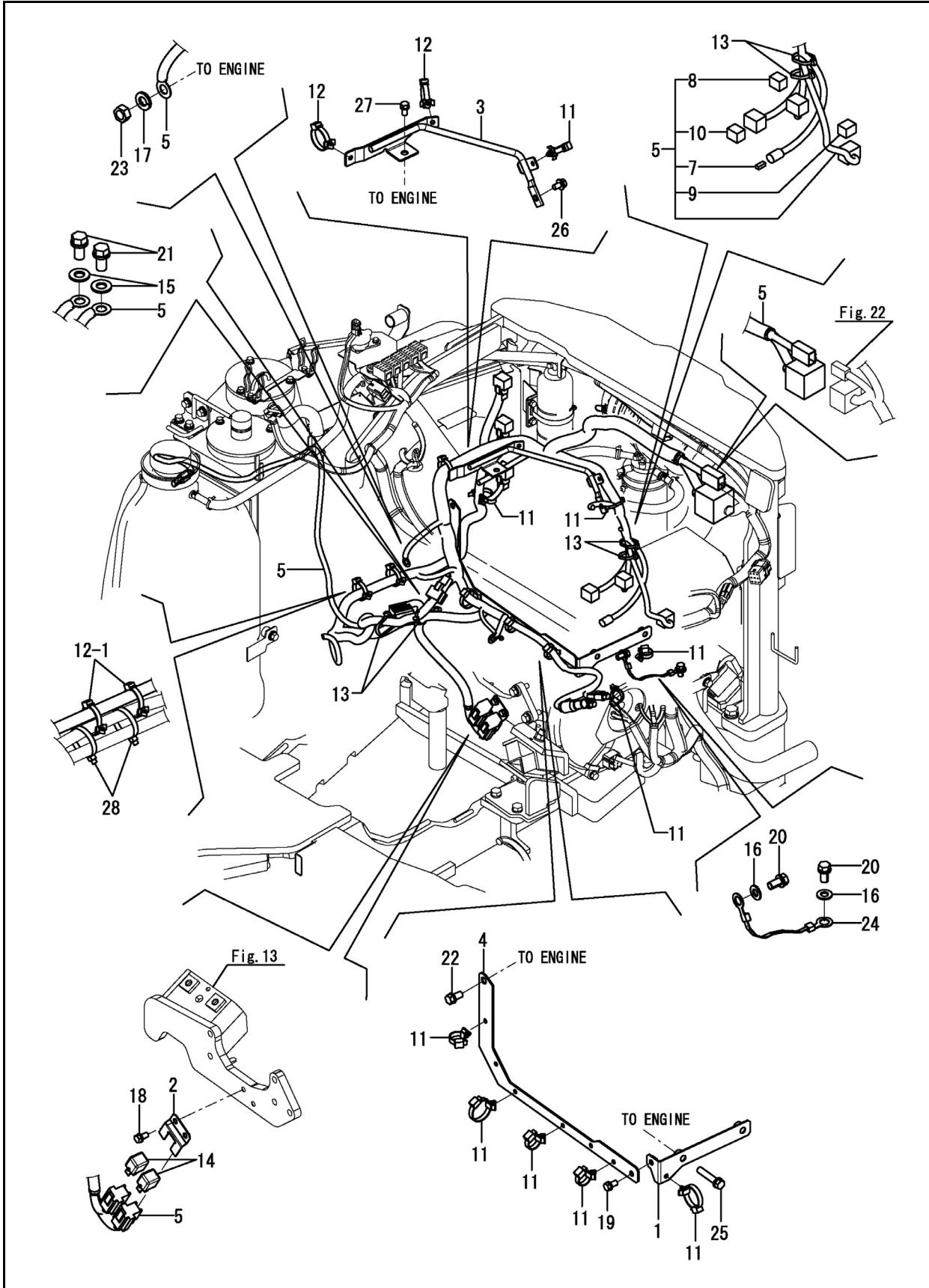
**Ref.**

No.	Part No.	Description	Qty.
1	N/A	BATTERY *	1
2	50287511	CABLE ASSY,BATTERY (POS +)	1
4	50287513	HARNESS, BATTERY (POS +)	1
5	50287515	COVER,BATTERY	1
6	50287517	CLAMP, BATTERY	1
7	50287152	ROD, BATTERY CLAMP	2
8	138111	WASHER/POLISHED	1
9	50282385	WASHER 6	4
10	50282392	WASHER, 8	1
11	50282515	BOLT W/WASHER M10X20	1
12	138143	NUT	4
13	50282596	NUT M 8	1
14	50280927	BATTERY CABLE/NEGATIVE	1

NOTE: \* Purchase locally. Group size 34 (alt. 63); 630 CCA.

# Z35 GEN:2 - COMPACT EXCAVATOR

## FIG. 20 - ELECTRIC (AROUND ENGINE)



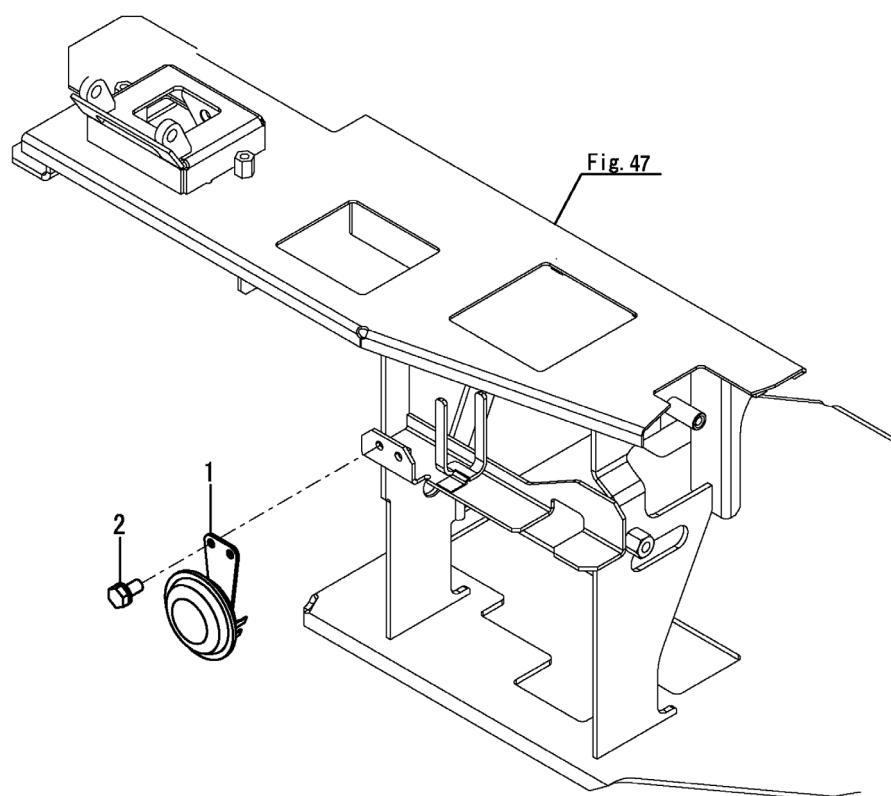
**Z35 GEN:2 - COMPACT EXCAVATOR**  
**FIG. 20 - ELECTRIC (AROUND ENGINE)**

Ref.

No.	Part No.	Description	Qty.
1	50287459	BRACKET ASSY, COVER	1
2	50287516	STAY,RELAY	1
3	50287518	STAY ASSY,HARNESS	1
4	50287519	SUPPORT,HARNESS	1
5	50287520	HARNESS ASSY,ENGINE	1
7	50282955	FUSE,SLOW BLOW (50A)	1
8	50281502	FUSE,SLOW BLOW 60A	1
9	50285322	FUSE 40A	1
10	50282357	BLOW 79A,SLOW CMP	1
11	50284003	BAND	10
12	50284003	BAND (SN Before MZZZZZ)	2
12- 1	50284003	BAND (SN MZZZZZ and Up)	4
13	50282352	BAND	5
14	197663	RELAY (ISO 70A)	2
15	138111	WASHER/POLISHED	2
16	138111	WASHER/POLISHED	2
17	425-34891	SPRING WASHER 6	1
18	50282506	BOLT W/WASHER M8X16	2
19	50282506	BOLT W/WASHER M8X16	1
20	50282515	BOLT W/WASHER M10X20	2
21	50282515	BOLT W/WASHER M10X20	2
22	50282515	BOLT W/WASHER M10X20	1
23	138143	NUT	1
24	50284878	WIRE, EARTH	1
25	50282521	BOLT M10X 50	2
26	50282533	BOLT M 8X 16	1
27	50282506	BOLT W/WASHER M8X16	1
28	50282352	BAND (SN MZZZZZ and Up)	2

# Z35 GEN:2 - COMPACT EXCAVATOR

## FIG. 21 - ELECTRIC (HORN)



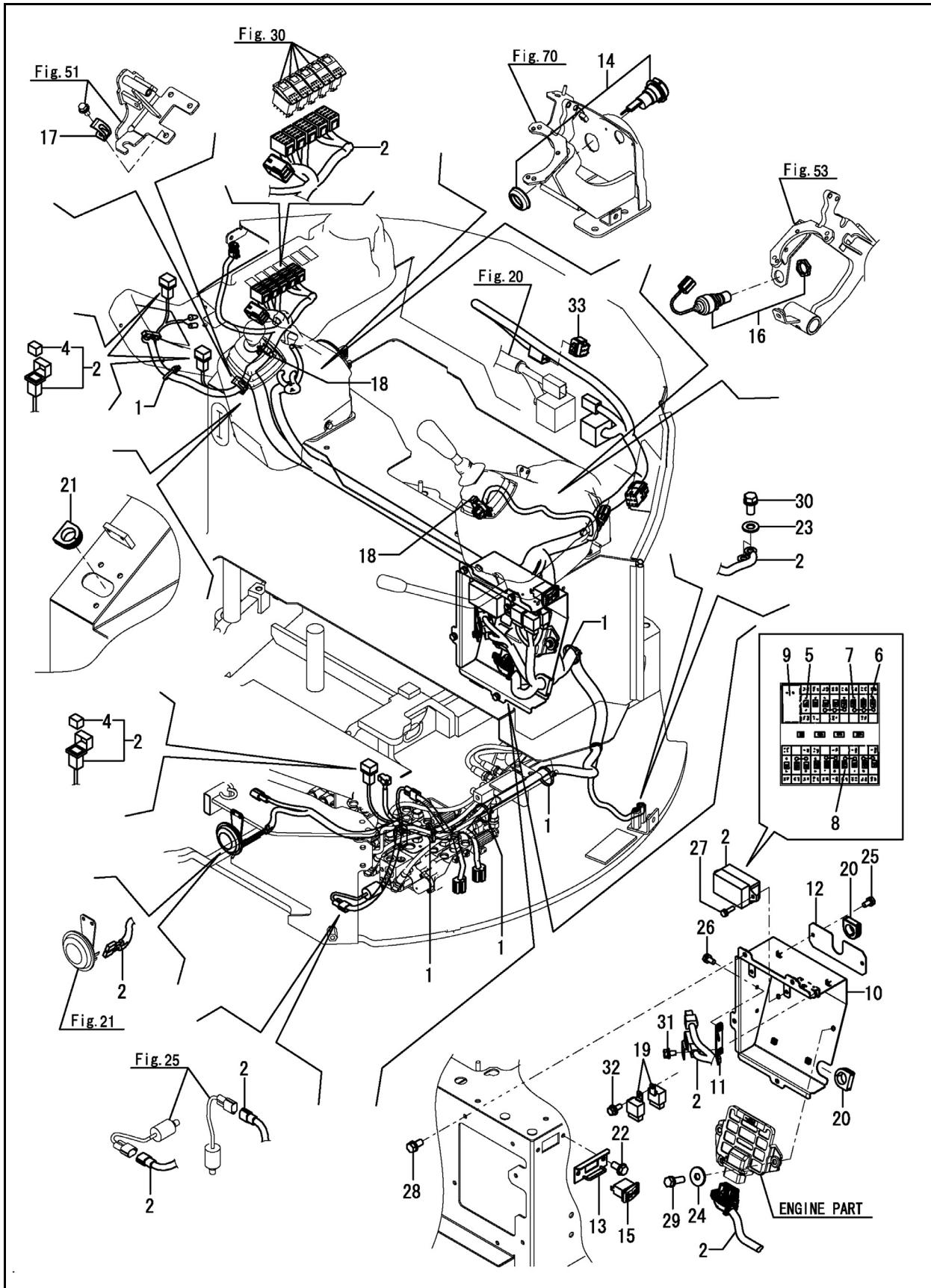
**Z35 GEN:2 - COMPACT EXCAVATOR**  
**FIG. 21 - ELECTRIC (HORN)**

Ref.

No.	Part No.	Description	Qty.
1	50282351	HORN	1
2	50282501	BOLT M 6X 12	2

# Z35 GEN:2 - COMPACT EXCAVATOR

## FIG. 22 - ELECTRIC (SEAT MOUNT)



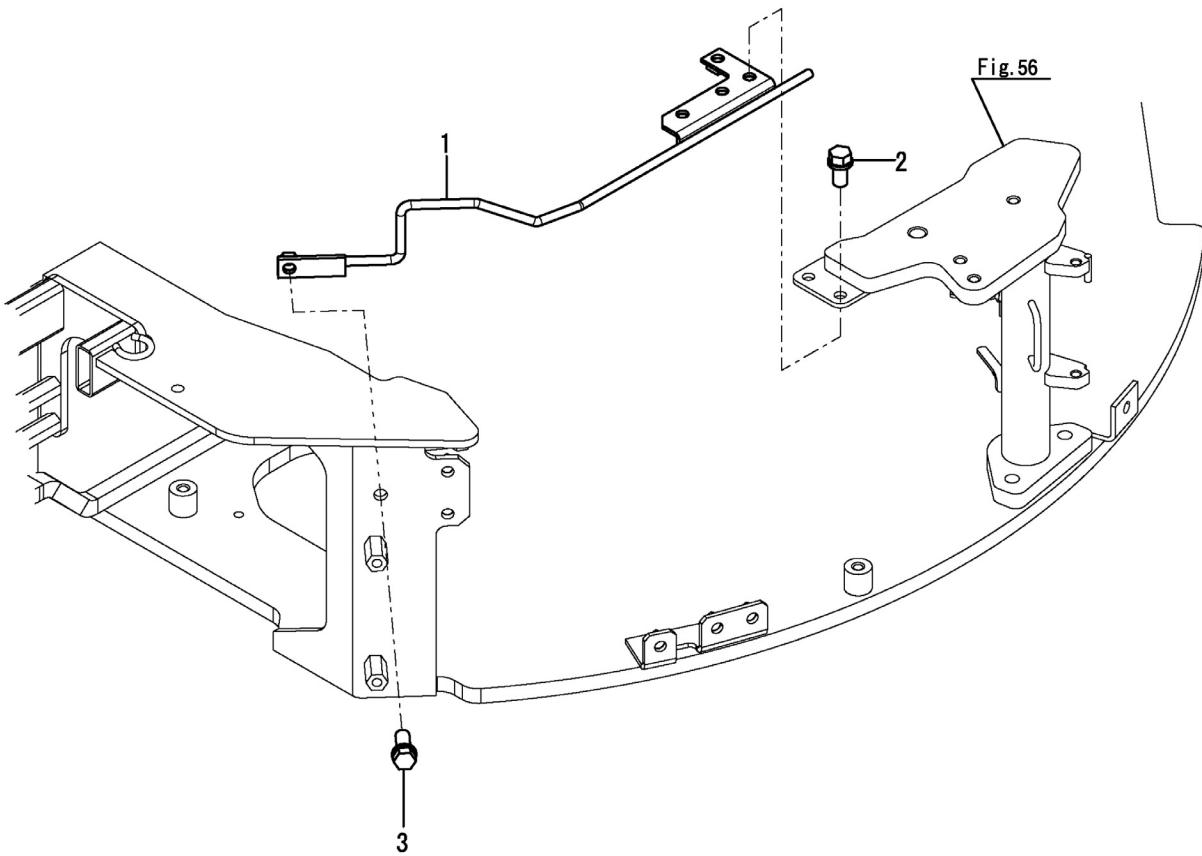
**Z35 GEN:2 - COMPACT EXCAVATOR**  
**FIG. 22 - ELECTRIC (SEAT MOUNT)**

Ref.

No.	Part No.	Description	Qty.
1	50280798	BAND 300	5
2	50287522	HARNESS ASSY,SHEET	1
4	50284838	DIODE, 1.5A	3
5	50286740	FUSE (5A)	9
6	50286741	FUSE (10A)	4
7	50286742	FUSE (15A)	5
8	50286746	FUSE (30A)	4
9	50288122	MINI FUSE PULLER	1
10	50287540	BOX ASSY,ELECTRIC	1
11	50287541	STAY ASSY,CONNECTOR	1
12	50287542	COVER,FUSE	1
13	50282141	PLATE ASSY,SWITCH	1
14	50281499	SOCKET ASSY	1
15	50281601	SWITCH, ENGINE STOP	1
16	50284018	SWITCH ASSY	1
17	50284002	CLAMP, WIRE HARNESS	1
18	50284003	BAND	2
19	193206	RELAY/20AMP/YANMAR	4
20	50284224	GROMMET 26	2
21	50284224	GROMMET 26	1
22	50281318	BOLT 8X 16	2
23	138111	WASHER/POLISHED	2
24	186593	WASHER 8	2
25	50282501	BOLT M 6X 12	2
26	50282501	BOLT M 6X 12	2
27	50284095	BOLT M6 X 20	2
28	50282506	BOLT W/WASHER M8X16	4
29	50282508	BOLT M 8X 25	2
30	50282515	BOLT W/WASHER M10X20	2
31	50282530	BOLT M 6X 12	1
32	50282531	BOLT M 6X 16	2
33	50287537	CONNECTOR,12P	1

# Z35 GEN:2 - COMPACT EXCAVATOR

## FIG. 23 - ELECTRIC (GUIDE, HARNESS)



**Z35 GEN:2 - COMPACT EXCAVATOR**  
**FIG. 23 - ELECTRIC (GUIDE, HARNESS)**

Ref.

No. Part No.

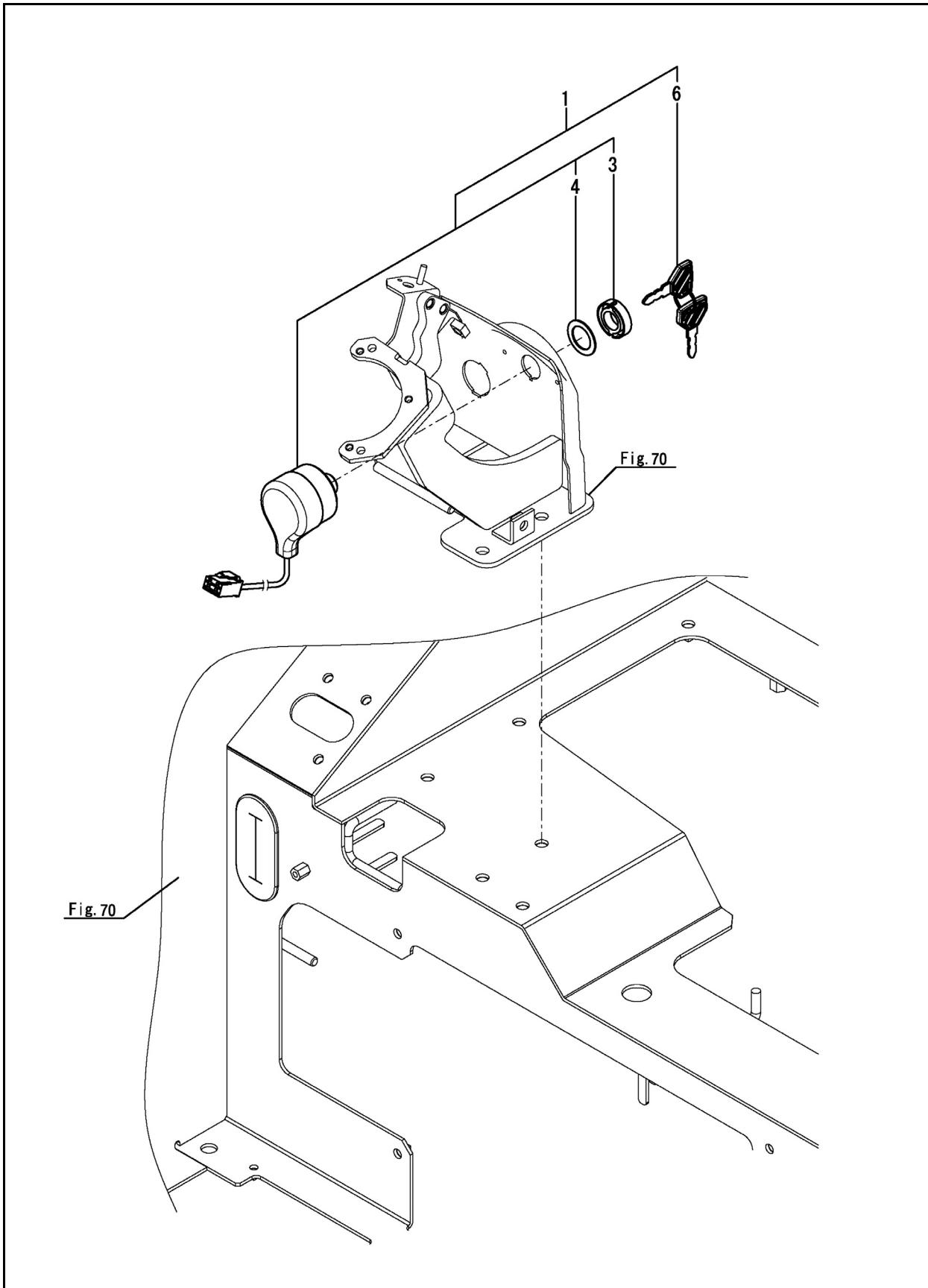
Description

Qty.

1	50287539	GUIDE ASSY,HARNESS	1
2	50282515	BOLT W/WASHER M10X20	2
3	50282516	BOLT W/WASHER M10X25	1

# Z35 GEN:2 - COMPACT EXCAVATOR

## FIG. 24 - ELECTRIC (STARTER)



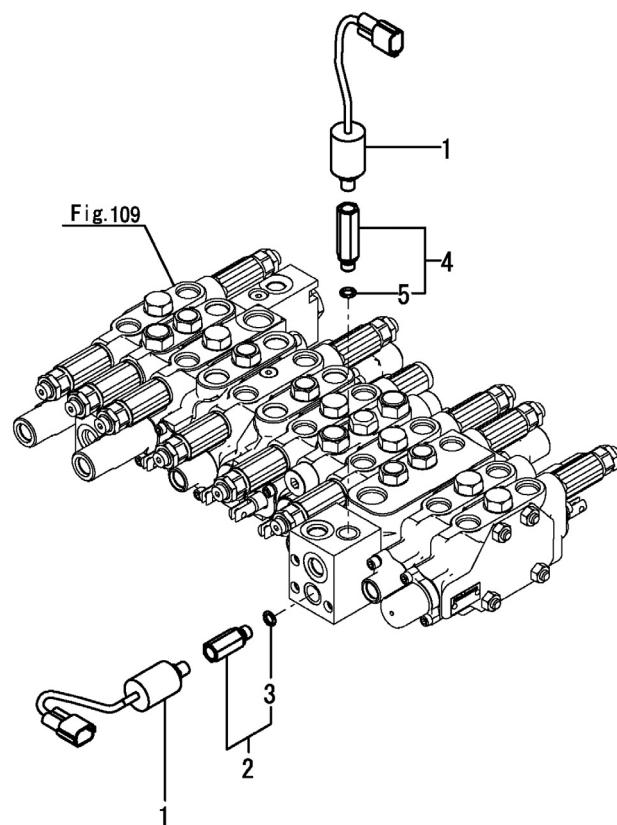
**Z35 GEN:2 - COMPACT EXCAVATOR**  
**FIG. 24 - ELECTRIC (STARTER)**

Ref.

No.	Part No.	Description	Qty.
1	50288097	SWITCH, STARTING	1
3	50288101	NUT, RING	1
4	50288102	WASHER	1
6	50288194	KEY ASSY (two keys)	1

# Z35 GEN:2 - COMPACT EXCAVATOR

## FIG. 25 - ELECTRIC (A/D)

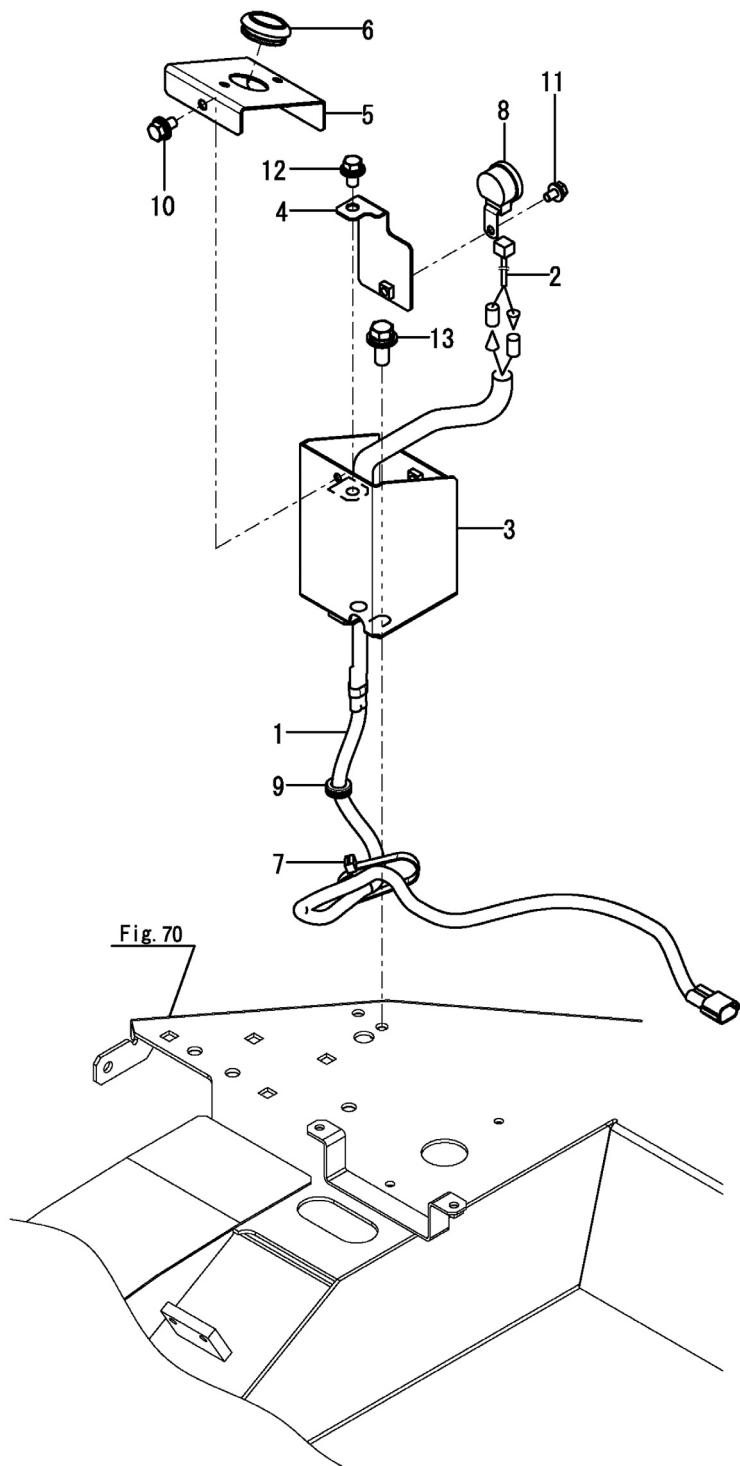


**Z35 GEN:2 - COMPACT EXCAVATOR**  
**FIG. 25 - ELECTRIC (A/D)**

Ref.

No.	Part No.	Description	Qty.
1	50281182	PRESSER SWITCH,ASSY	2
2	50283773	CONNECTOR G1/8-R1/8	1
3	50282468	O-RING 1B P-8.0	1
4	50286561	CONNECTOR	1
5	50282468	O-RING 1B P-8.0	1

**Z35 GEN:2 - COMPACT EXCAVATOR**  
**FIG. 26 - ELECTRIC (BACK-UP ALARM)**



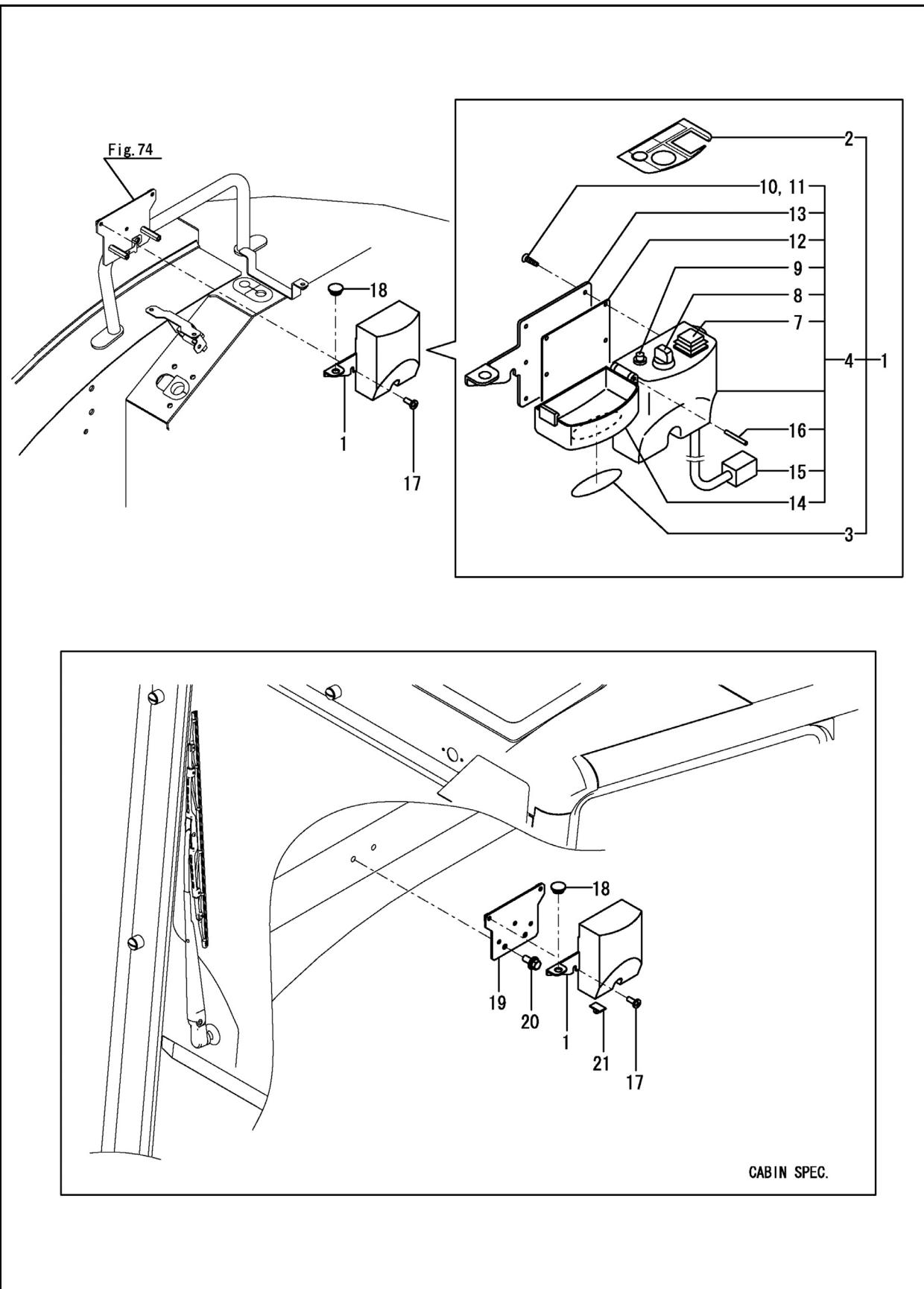
**Z35 GEN:2 - COMPACT EXCAVATOR**  
**FIG. 26 - ELECTRIC (BACK-UP ALARM)**

Ref.

No.	Part No.	Description	Qty.
1	50287525	HARNESS,TRA-BUZZER	1
2	50287526	HARNESS,BUZZER	1
3	50287532	BRACKET ASSY,BUZZER	1
4	50287533	BRACKET ASSY	1
5	50287538	PLATE,TRAVEL	1
6	50281128	GROMMET 30	1
7	50282352	BAND	2
8	50288093	BUZZER, BACK	1
9	50287084	GROMMET	1
10	50282530	BOLT M 6X 12	2
11	50282531	BOLT M 6X 16	1
12	50282533	BOLT M 8X 16	1
13	50282534	BOLT M 8X 20	2

# Z35 GEN:2 - COMPACT EXCAVATOR

## FIG. 27 - ELECTRIC (QUICK COUPLER:SWITCH BOX)



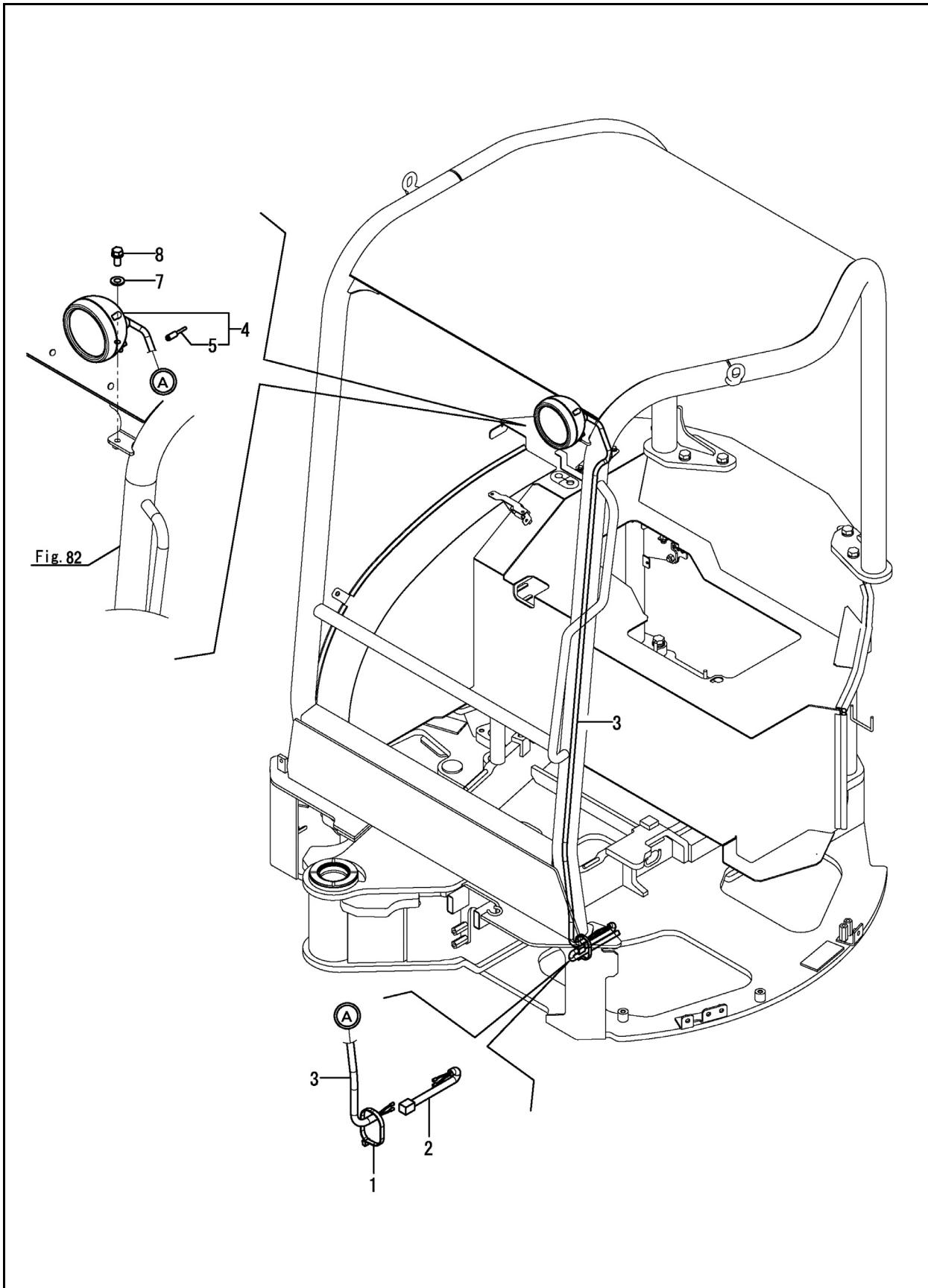
**Z35 GEN:2 - COMPACT EXCAVATOR**  
**FIG. 27 - ELECTRIC (QUICK COUPLER:SWITCH BOX)**

Ref.

No.	Part No.	Description	Qty.
1	50281362	SWITCH BOX(EX	1
2	50281179	LABEL/SWITCH	1
3	50301147	DECAL/POWER-A-TACH	1
4	50285040	BOX, SWITCH	1
7	50281364	SWITCH ASSY(GEN	1
8	50281365	SWITCH ASSY(CONTR	1
9	50281366	INDICATOR LAMP(CP	1
10	50281367	TAPPING SCREWS	6
11	50281368	TAPPING SCREWS	2
12	50281369	PACKING	1
13	50281370	BRACKET	1
14	50281371	CASE, UPPER	1
15	50281372	CODE CP 4P	1
16	50282412	SPRING PIN 3X28	1
17	50280804	SCREW	3
18	50280948	PLUG	1
19	50287555	STAY ASSY,SWITCH BOX (W/ cabin)	1
20	50282534	Bolt M 8X 20 (W/ cabin)	2
21	50288190	STAPLE P-25 (W/ cabin)	1

# Z35 GEN:2 - COMPACT EXCAVATOR

## FIG. 28 - ELECTRIC (CANOPY LAMP)



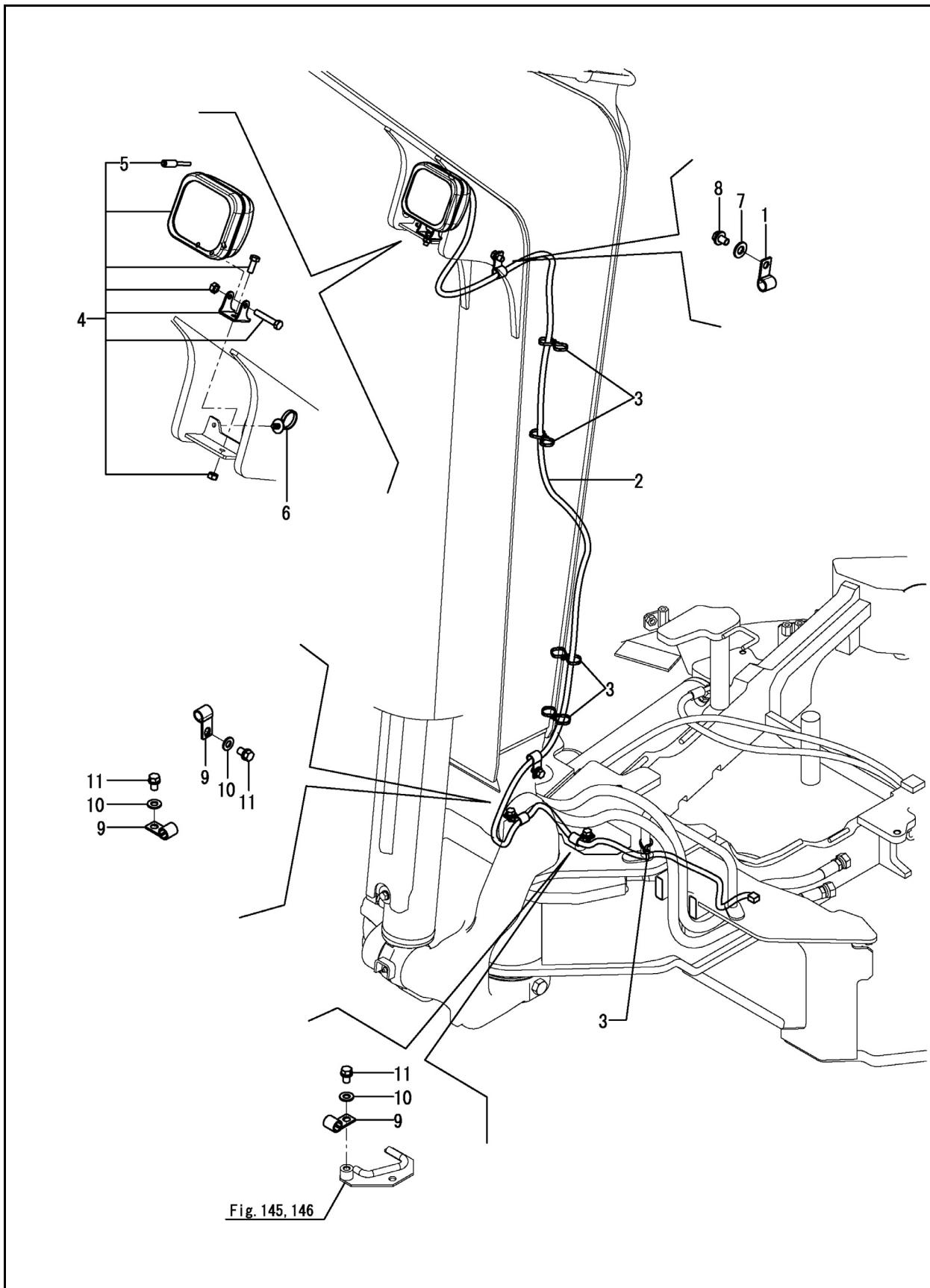
**Z35 GEN:2 - COMPACT EXCAVATOR**  
**FIG. 28 - ELECTRIC (CANOPY LAMP)**

Ref.

No.	Part No.	Description	Qty.
1	50280798	BAND 300	2
2	50287530	HARNESS,LAMP A	1
3	50287531	HARNESS,LAMP B	1
4	50288112	LAMP, WORKING	1
5	50286744	BULB 12V 55W	1
7	138111	WASHER/POLISHED	1
8	50282515	BOLT W/WASHER M10X20	1

# Z35 GEN:2 - COMPACT EXCAVATOR

## FIG. 29 - ELECTRIC (WORK LAMP)

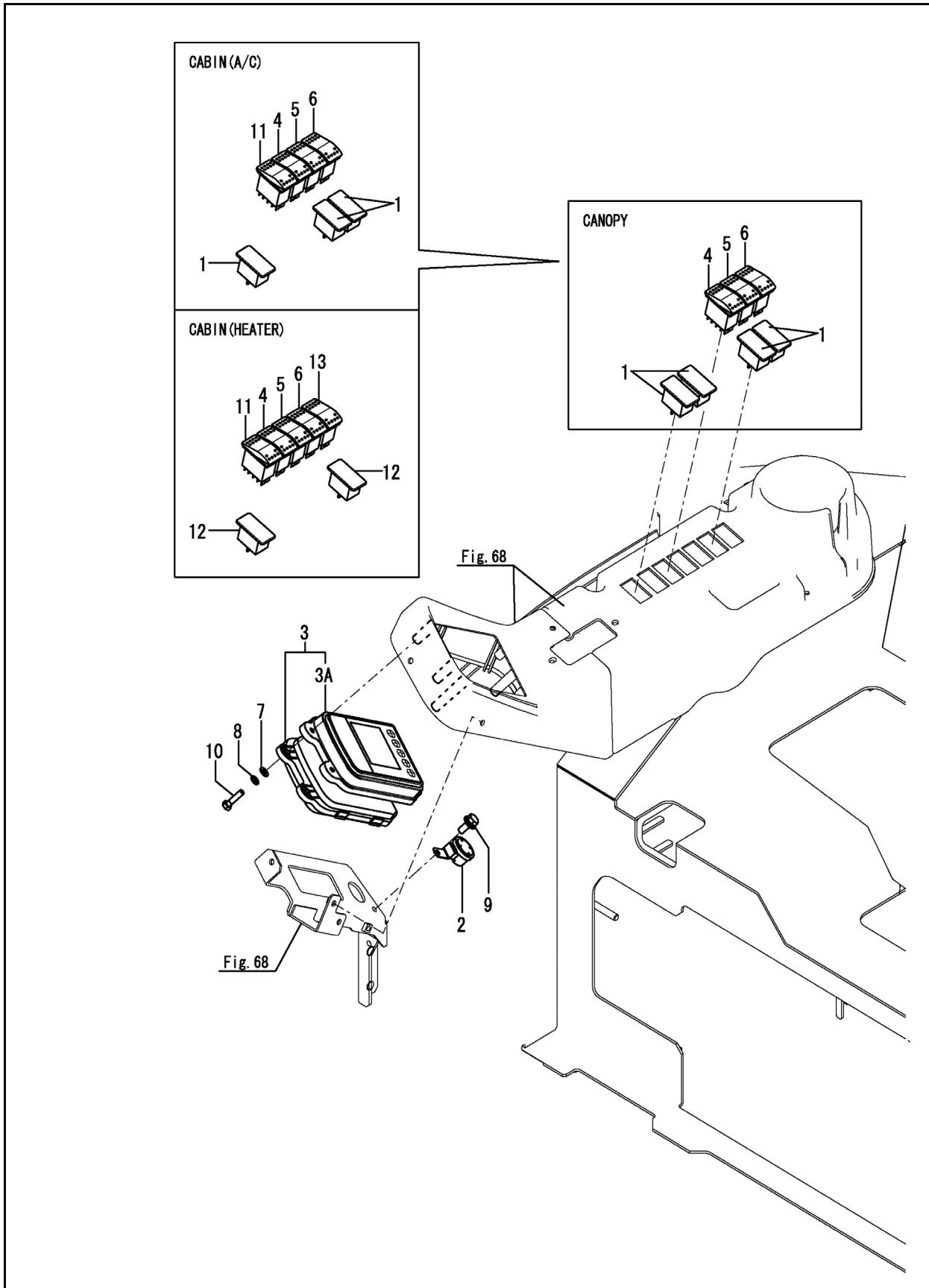


**Z35 GEN:2 - COMPACT EXCAVATOR**  
**FIG. 29 - ELECTRIC (WORK LAMP)**

Ref.

No.	Part No.	Description	Qty.
1	50287514	CLAMP,WRC15-11	1
2	50287524	HARNESS,WORK LAMP	1
3	50280802	BAND	5
4	50287550	LAMP ASSY,WORK	1
5	50286743	BULB 12V 55W	1
6	50284027	LAMP, BAND B	1
7	138111	WASHER/POLISHED	1
8	50282514	BOLT M10X 16	1
9	50287514	CLAMP,WRC15-11	3
10	138111	WASHER/POLISHED	3
11	50282514	BOLT M10X 16	3

**Z35 GEN:2 - COMPACT EXCAVATOR**  
**FIG. 30 - ELECTRIC (INSTRUMENT PANEL)**



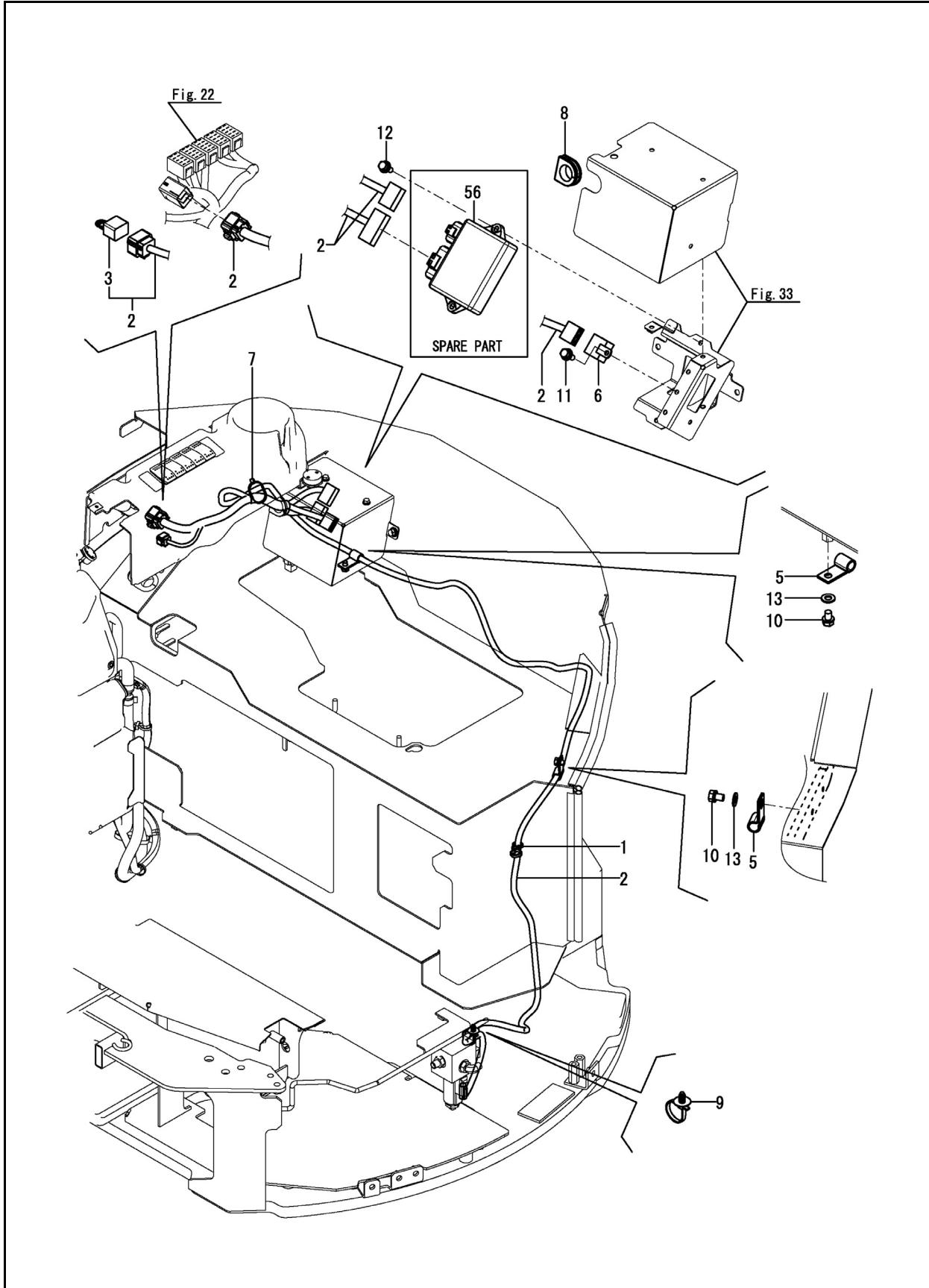
**Z35 GEN:2 - COMPACT EXCAVATOR**  
**FIG. 30 - ELECTRIC (INSTRUMENT PANEL)**

Ref.

No.	Part No.	Description	Qty.
1	50281321	PANEL PLUG	3
2	50287074	BUZZER	1
3	Order 3-1	MONITOR ASSY (SN Before MZZZZZ)	1
3- 1	50287544	MONITOR ASSY (SN MZZZZZ and Up)	1
3A	50287545	MONITOR ASSY,UPPER (SN M00705 and Up)	1
4	50286739	SWITCH ASSY/LIGHT	1
5	50287546	SWITCH,ECO	1
6	50287547	SWITCH,A/D	1
7	50284040	WASHER 5, POLISHED	4
8	425-34968	SPRING WASHER 5	4
9	50282531	BOLT M 6X 16	1
10	50288176	BOLT	4
11	50287548	SWITCH,WIPER (w/ cabin)	1
12	50281321	PANEL PLUG (w/ cabin)	2
13	50287549	SWITCH,HEATER (w/ cabin)	1

# Z35 GEN:2 - COMPACT EXCAVATOR

## FIG. 31 - ELECTRIC (ESS) (WITH A/C ONLY)



**Z35 GEN:2 - COMPACT EXCAVATOR**  
**FIG. 31 - ELECTRIC (ESS) (WITH A/C ONLY)**

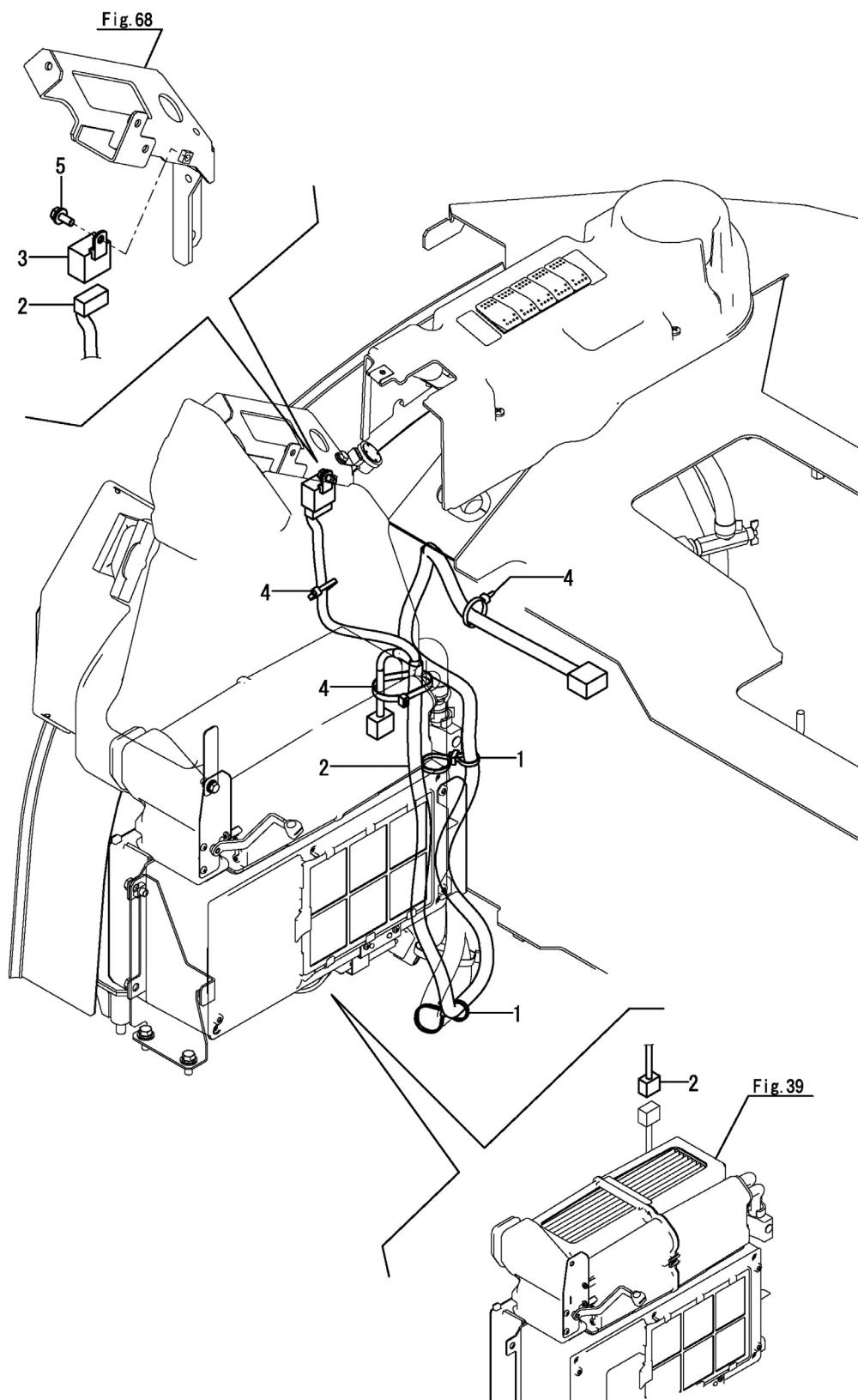
Ref.

No.	Part No.	Description	Qty.
1	50280802	BAND	1
2	Order 2-1	HARNESS ASSY,ESS (SN M00730 and Before)	1
2-1	50287528	HARNESS ASSY,ESS (SN M00731 and Up)	1
3	50281346	DIODE	1
5	50288089	CLAMP, WRC12	2
6	193206	RELAY/20AMP/YANMAR	1
7	50282352	BAND	1
8	50284224	GROMMET 26	1
9	50284027	LAMP, BAND B	1
10	50282505	BOLT M 8X 12	2
11	50282531	BOLT M 6X 16	1
12	425-35319	BOLT WITH WASHER 6 X 20	2
56	50288116	CONTROLLER *	1

NOTE: \* To expedite ordering a replacement ESS Controller, contact Customer Service and have the machine model number and serial number at hand.

# Z35 GEN:2 - COMPACT EXCAVATOR

## FIG. 32 - ELECTRIC (HEATER) (CABIN)

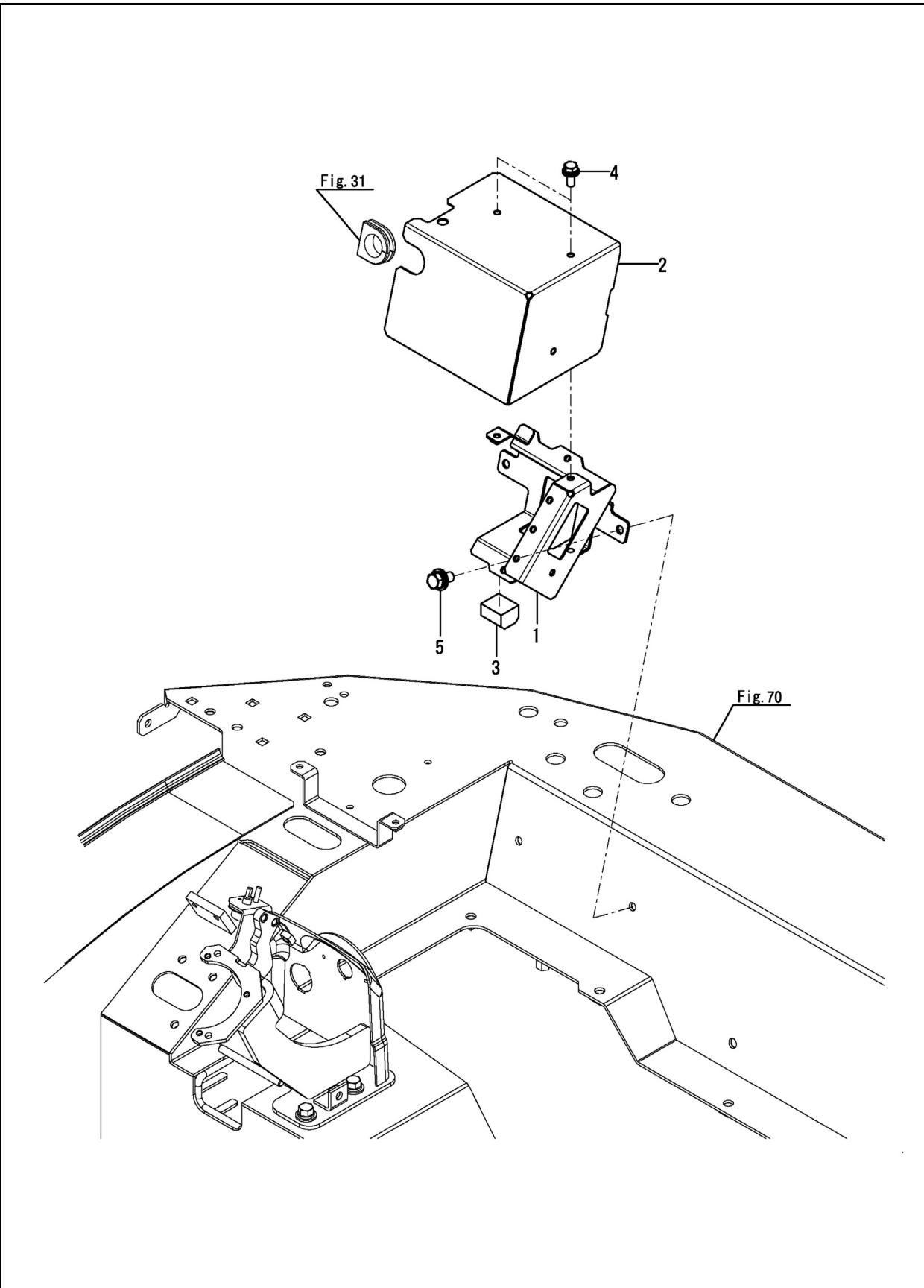


**Z35 GEN:2 - COMPACT EXCAVATOR**  
**FIG. 32 - ELECTRIC (HEATER) (CABIN)**

Ref.

No.	Part No.	Description	Qty.
1	50280802	BAND	2
2	50287536	HARNESS,HEATER	1
3	193206	RELAY/20AMP/YANMAR	1
4	50282352	BAND	3
5	50282531	BOLT M 6X 16	1

**Z35 GEN:2 - COMPACT EXCAVATOR**  
**FIG. 33 - ELECTRIC (CONTROL BRACKET) (CABIN)**

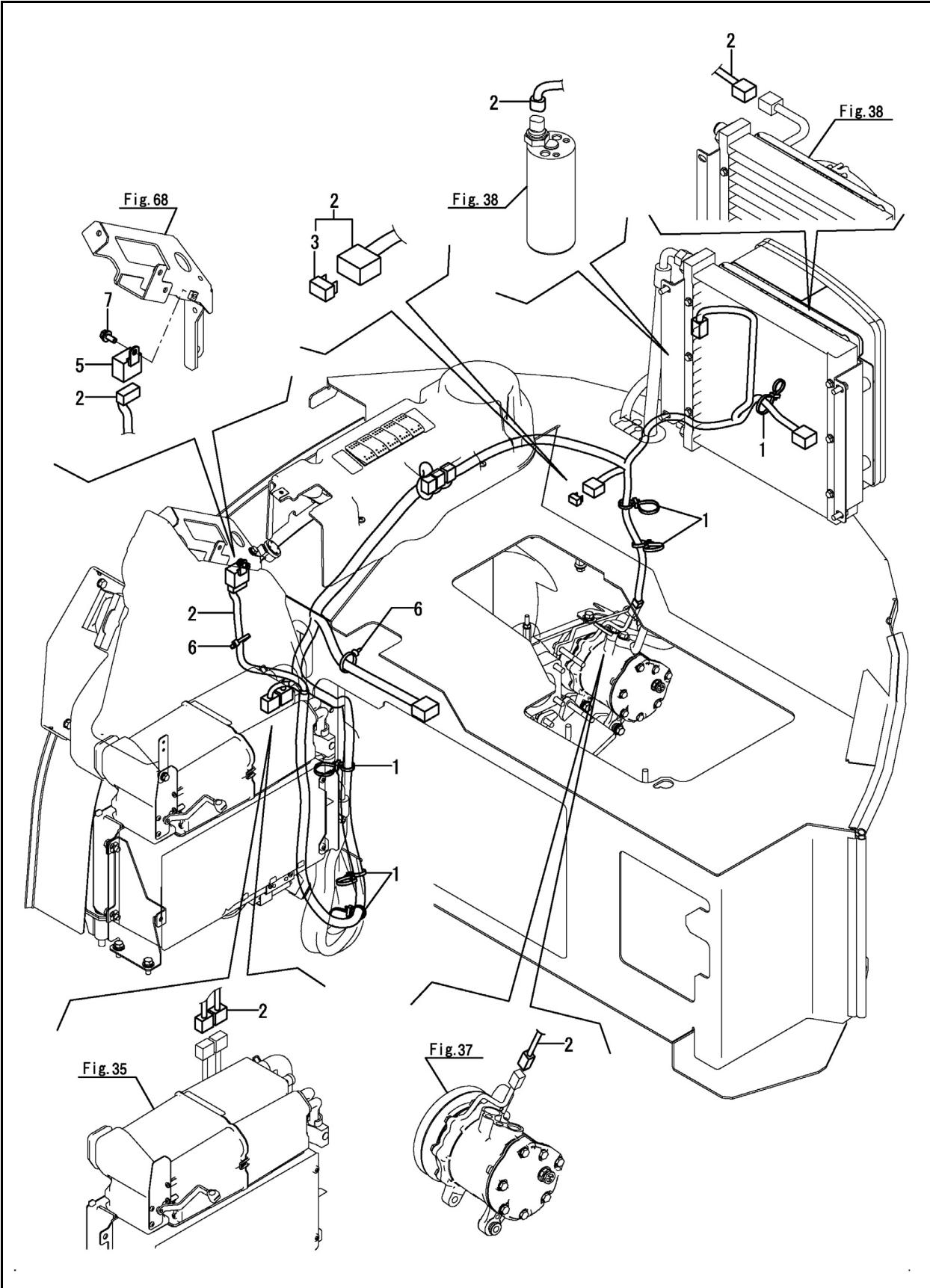


**Z35 GEN:2 - COMPACT EXCAVATOR**  
**FIG. 33 - ELECTRIC (CONTROL BRACKET) (CABIN)**

Ref.

No.	Part No.	Description	Qty.
1	50287553	BRACKET ASSY, CONT	1
2	50287554	COVER ASSY, CONTROL	1
3	50287094	STOPPER, RUBBER	1
4	50282531	BOLT M 6X 16	3
5	50282533	BOLT M 8X 16	2

**Z35 GEN:2 - COMPACT EXCAVATOR**  
**FIG. 34 - AIR CONDITIONER (ELECTRIC) (CABIN)**

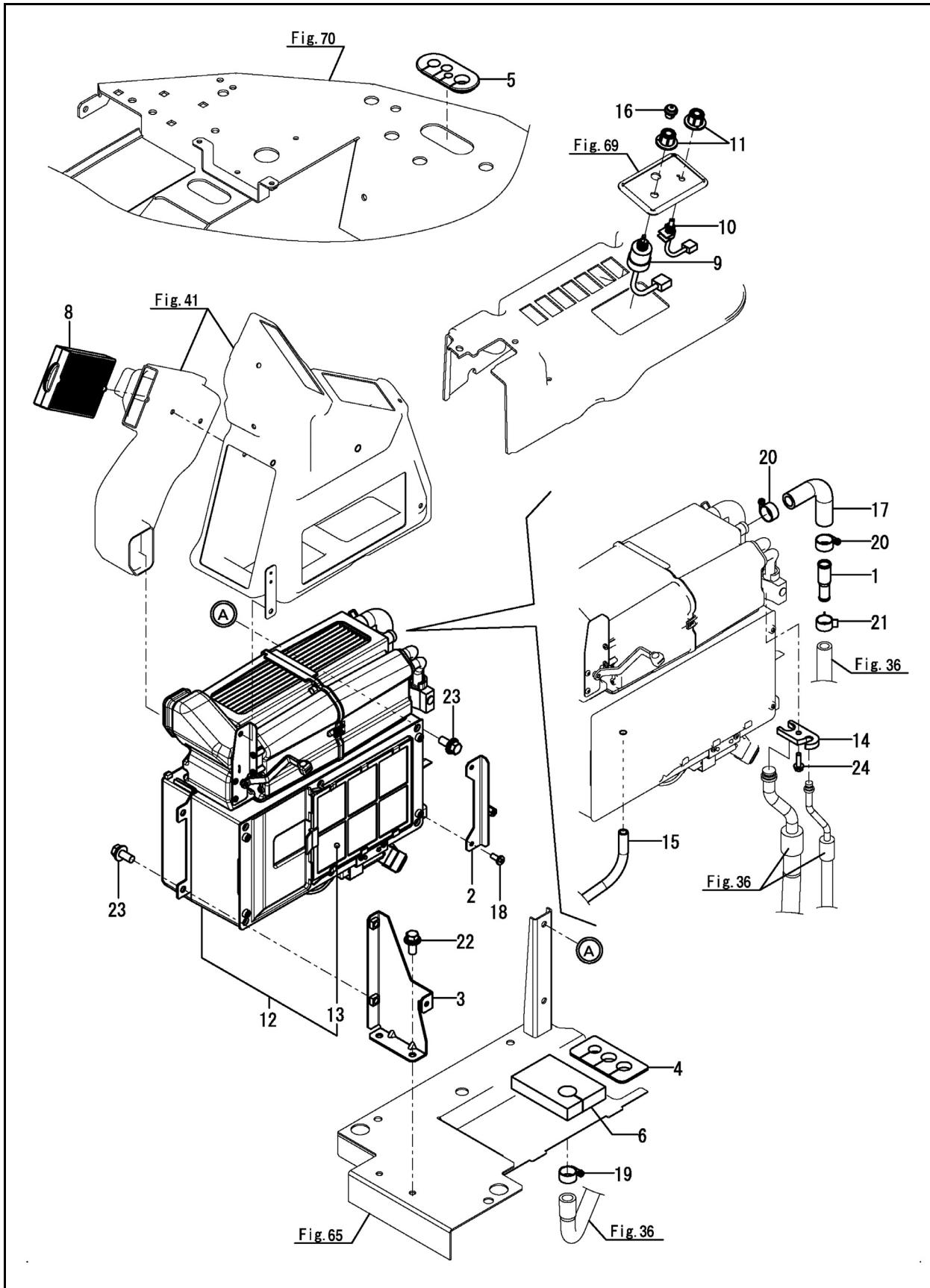


**Z35 GEN:2 - COMPACT EXCAVATOR**  
**FIG. 34 - AIR CONDITIONER (ELECTRIC) (CABIN)**

Ref.

No.	Part No.	Description	Qty.
1	50280802	BAND	6
2	50287534	HARNESS ASSY,A/C	1
3	50281346	DIODE	1
5	193206	RELAY/20AMP/YANMAR	1
6	50282352	BAND	3
7	50282531	BOLT M 6X 16	1

**Z35 GEN:2 - COMPACT EXCAVATOR**  
**FIG. 35 - AIR CONDITIONER (UNIT) (CABIN)**

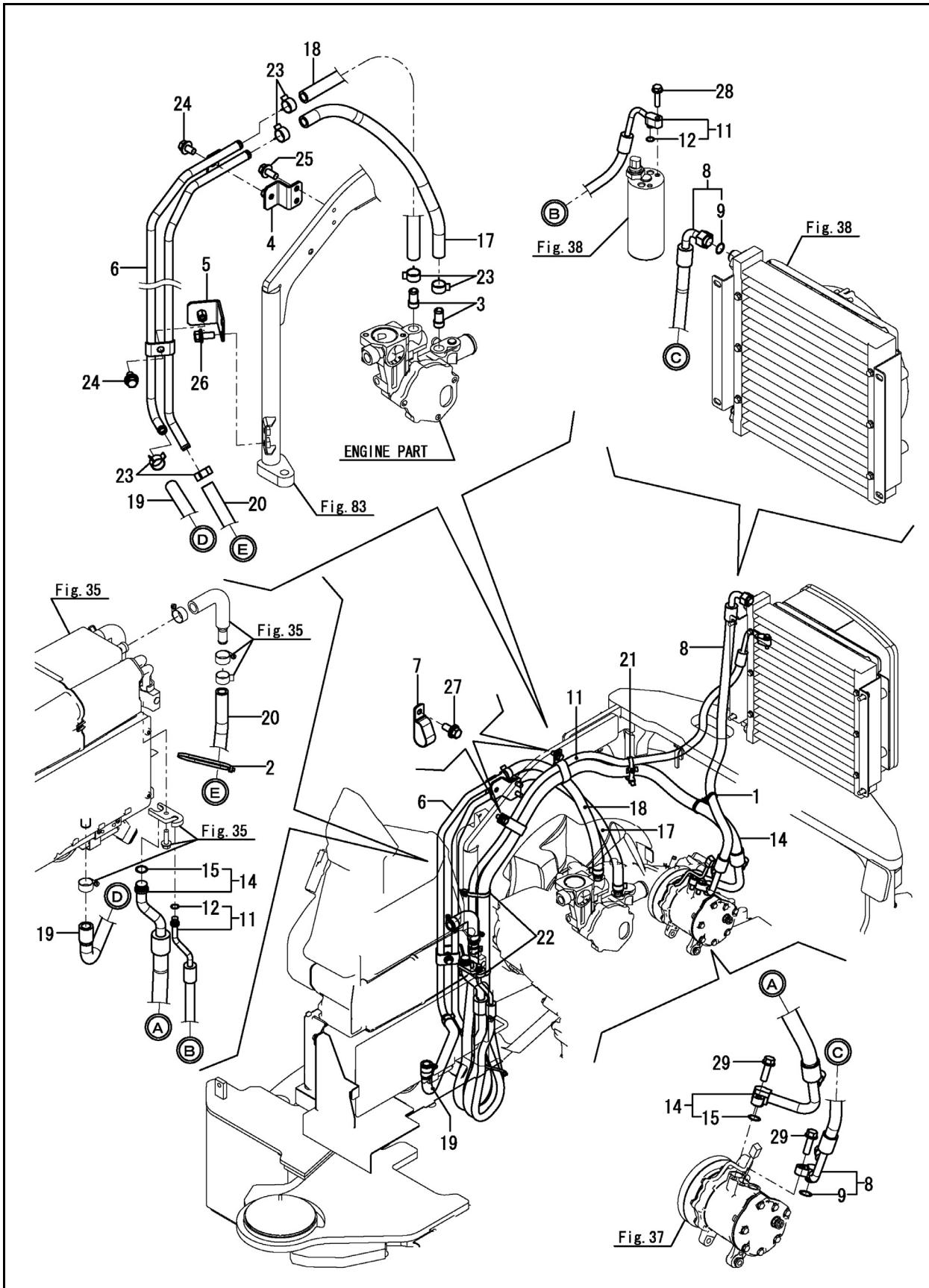


**Z35 GEN:2 - COMPACT EXCAVATOR**  
**FIG. 35 - AIR CONDITIONER (UNIT) (CABIN)**

Ref.

No.	Part No.	Description	Qty.
1	50287121	JOINT, HOSE	1
2	50287558	STAY ASSY, AC R	1
3	50287559	BRACKET ASSY, AC F	1
4	50287560	GROMMET, HOSE-AC	1
5	50287562	GROMMET, CAB-AC	1
6	50287563	SPONGE, PARTITION	1
8	50286728	FILTER	1
9	50288021	SWITCH,BROWER	1
10	50288022	SWITCH,THERMO	1
11	50288023	KNOB	2
12	50287579	AIR CON UNIT	1
13	50287581	FILTER, REC	1
14	50287580	PLATE, FLANGE	1
15	50287594	HOSE, DRAIN AC	1
16	50287582	SWITCH ASSY, AC	1
17	50287598	HOSE, HEATER ELBOW	1
18	50288154	SCREW	2
19	50282427	HOSE CLAMP 22	1
20	50282427	HOSE CLAMP 22	2
21	188718	CLAMP 18	1
22	50282534	BOLT M 8X 20	2
23	50282534	BOLT M 8X 20	4
24	188732	BOLT M6 X 20 PLATED	1

**Z35 GEN:2 - COMPACT EXCAVATOR**  
**FIG. 36 - AIR CONDITIONER (PIPING) (CABIN)**



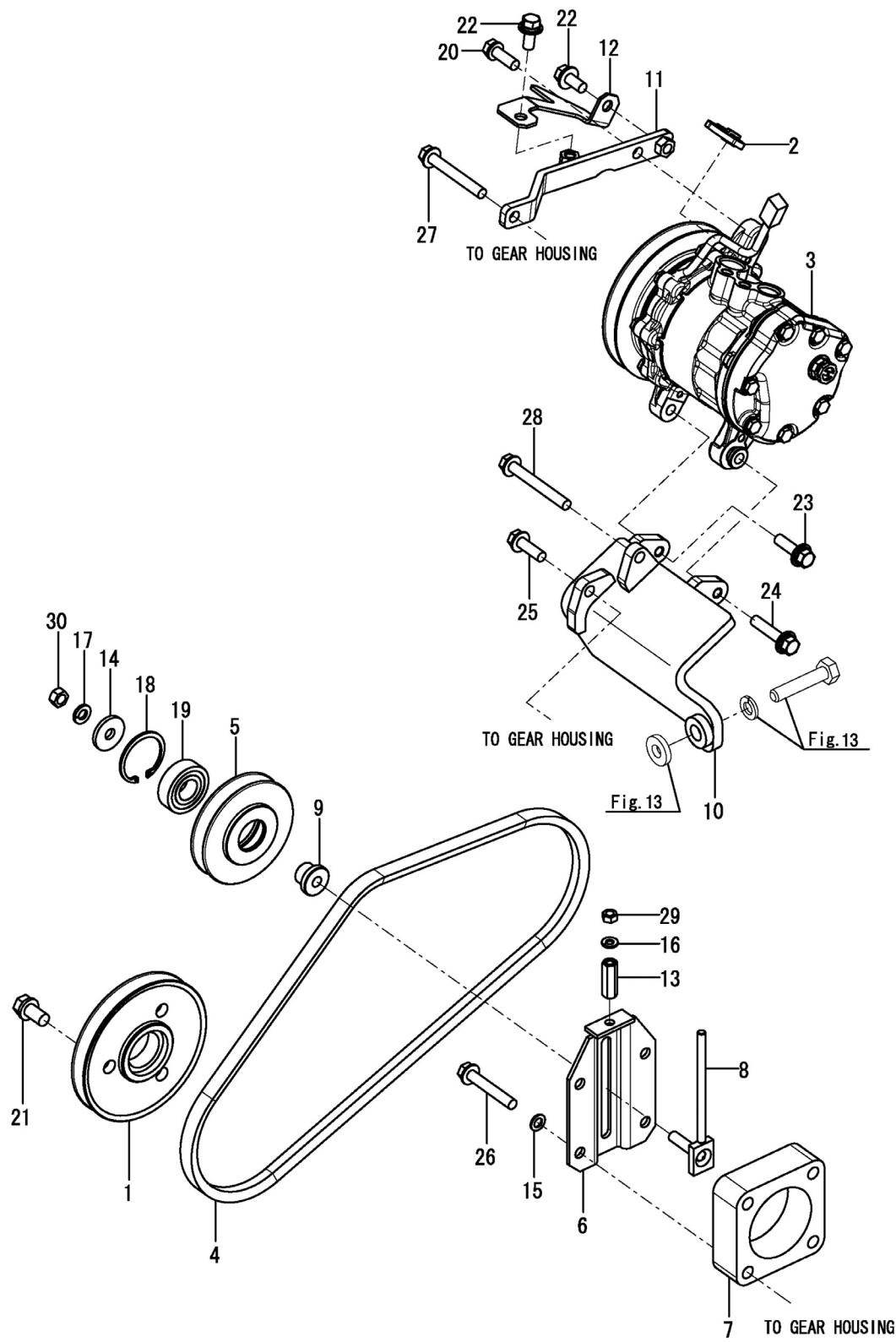
**Z35 GEN:2 - COMPACT EXCAVATOR**  
**FIG. 36 - AIR CONDITIONER (PIPING) (CABIN)**

Ref.

No.	Part No.	Description	Qty.
1	50280802	BAND	1
2	50282838	CLIP 400,HOSE	1
3	50282711	JOINT 3/8	2
4	50287564	STAY ASSY, H-PIPE A	1
5	50287565	STAY ASSY, H-PIPE B	1
6	50287584	PIPE ASSY, HEATER	1
7	50287585	CLAMP, HOSE 17-27	2
8	50287586	HOSE ASSY, COMP-COND	1
9	50288024	O-RING, D-HOSE	2
11	50287590	HOSE ASSY, R/D-UNIT	1
12	50288026	O-RING, L-HOSE	2
14	50287592	HOSE ASSY, UNIT-COMP	1
15	50288025	O-RING, S-HOSE	2
17	50287595	HOSE, HEATER 420	1
18	50287596	HOSE, HEATER 380	1
19	50287597	HOSE, HEATER IN	1
20	50287599	HOSE, HEATER 640	1
21	50284003	BAND	1
22	50284003	BAND	2
23	188718	CLAMP 18	6
24	50282533	BOLT M 8X 16	2
25	50282534	BOLT M 8X 20	2
26	50282534	BOLT M 8X 20	2
27	50282534	BOLT M 8X 20	2
28	197805	BOLT M6X25 PLATED	1
29	425-34765	BOLT M8 X 25 PLATED	2

# Z35 GEN:2 - COMPACT EXCAVATOR

## FIG. 37 - AIR CONDITIONER (ENGINE RELATED) (CABIN)

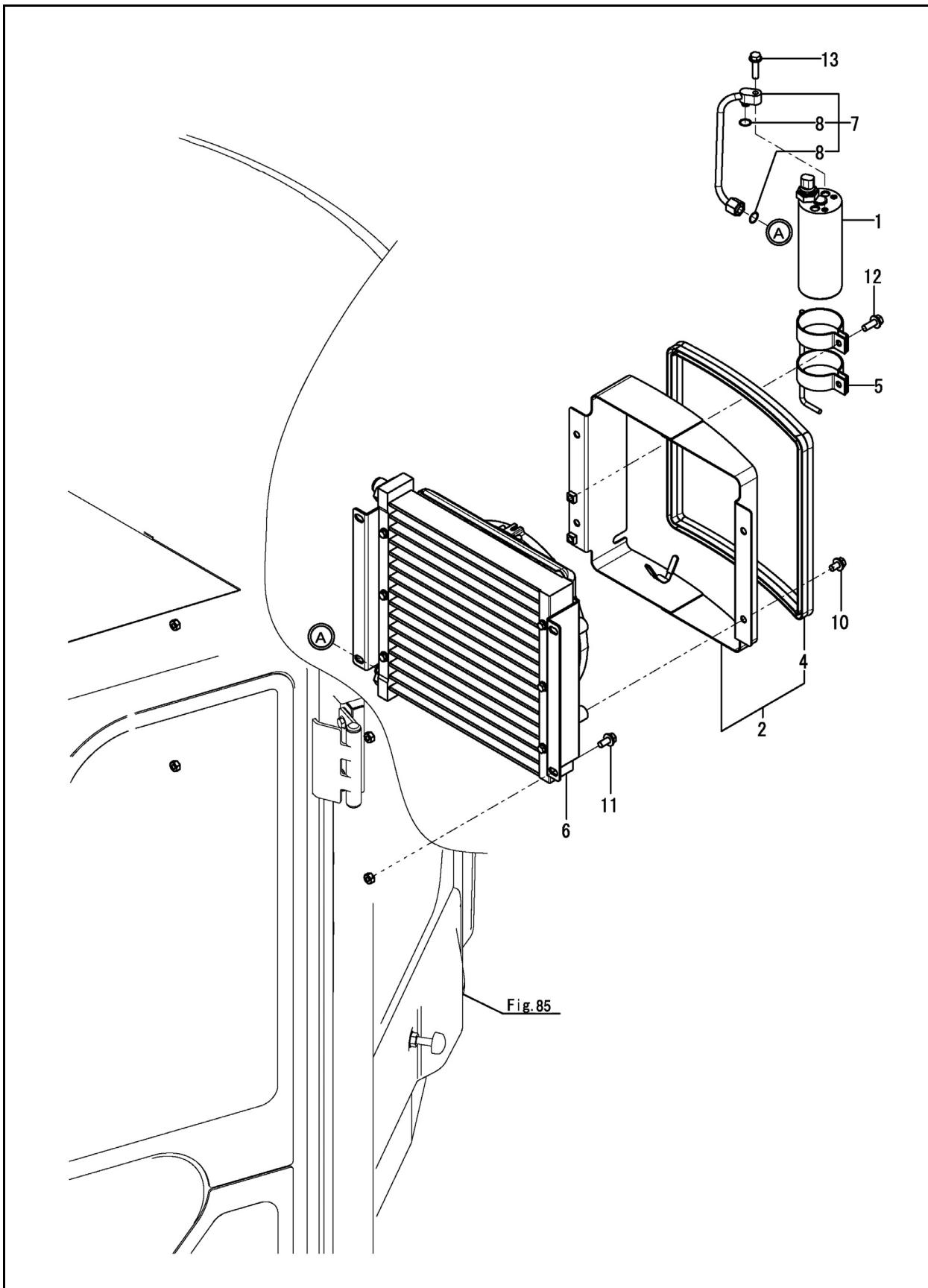


**Z35 GEN:2 - COMPACT EXCAVATOR**  
**FIG. 37 - AIR CONDITIONER (ENGINE RELATED) (CABIN)**

Ref.

No.	Part No.	Description	Qty.
1	50283370	PULLEY	1
2	50280802	BAND	1
3	50287557	COMPRESSOR ASSY, 126	1
4	50283080	V-BELT	1
5	50282895	PULLEY, TENSION (87)	1
6	50282795	BRACKET ASSY	1
7	50283260	PLATE	1
8	50282796	ADJUSTER ASSY	1
9	50282797	BOSS	1
10	50287571	BRACKET ASSY, COMP-A	1
11	50287572	BRACKET ASSY, COMP-B	1
12	50287573	COVER, COMPRESSOR	1
13	50282784	NUT	1
14	50284006	SPRING WASHER	1
15	425-34750	WASHER 8/SEAL	4
16	425-34891	SPRING WASHER 6	1
17	50282392	WASHER, 8	1
18	50284048	CIRCLIP 40(H)	1
19	50284071	BALL BEARING	1
20	50282508	BOLT M 8X 25	1
21	50282515	BOLT W/WASHER M10X20	3
22	50282534	BOLT M 8X 20	2
23	50284104	BOLT M8 X 30	1
24	50288171	BOLT	1
25	425-34765	BOLT M8 X 25 PLATED	1
26	425-34766	BOLT M8 X 50 PLATED	4
27	425-34838	BOLT M8 X 60 PLATED	1
28	425-34930	BOLT M8 X 65 PLATED	1
29	138143	NUT	1
30	50282596	NUT M 8	1

**Z35 GEN:2 - COMPACT EXCAVATOR**  
**FIG. 38 - AIR CONDITIONER (CONDENSER) (CABIN)**



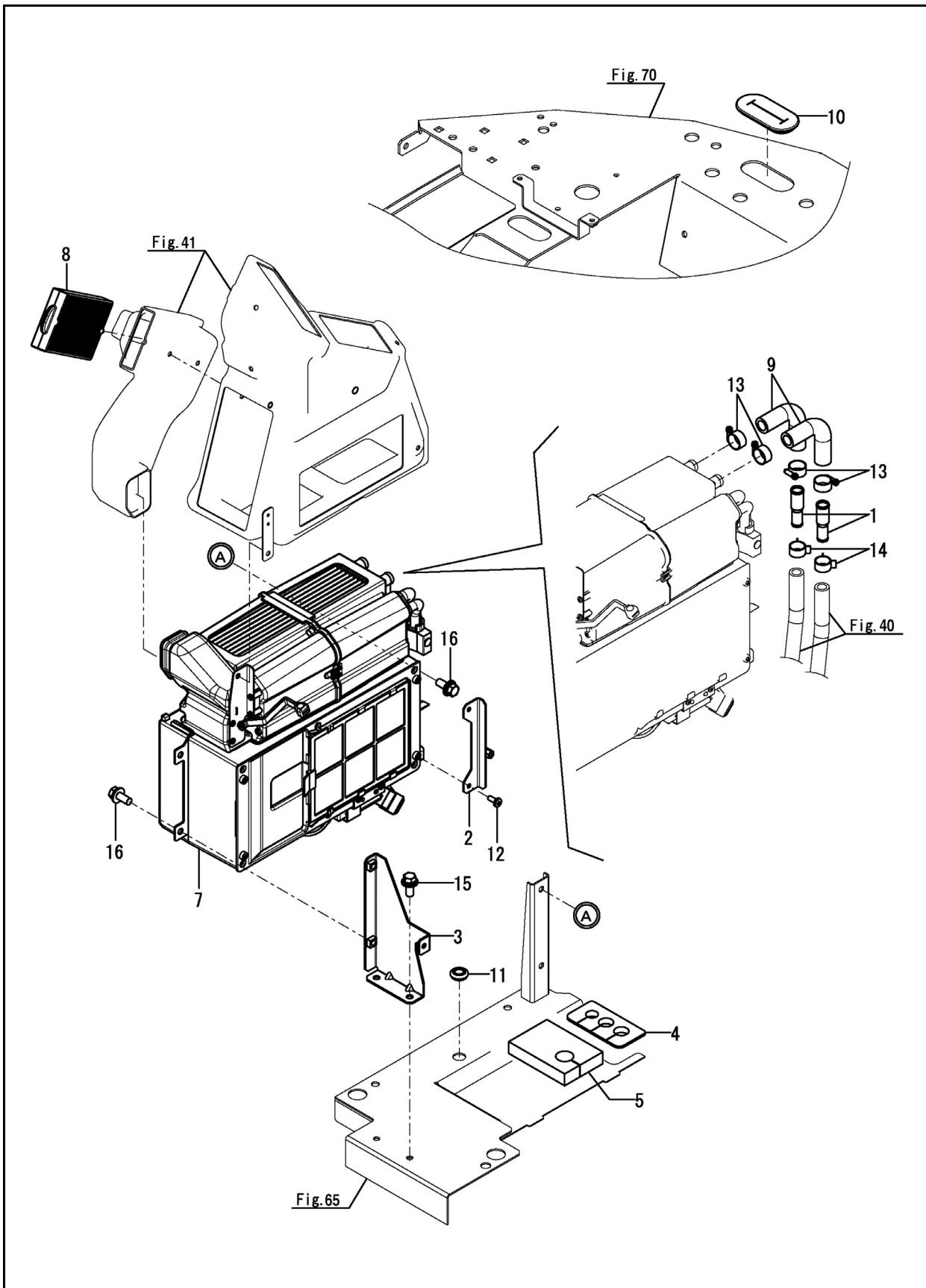
**Z35 GEN:2 - COMPACT EXCAVATOR**  
**FIG. 38 - AIR CONDITIONER (CONDENSER) (CABIN)**

Ref.

No.	Part No.	Description	Qty.
1	50288020	RECEIVER-DRIER	1
2	50287575	DUCT ASSY, COND	1
4	50285601	SEAL,1170	1
5	50287576	BRACKET ASSY, R/D	1
6	50287583	CONDENSER ASSY	1
7	50287588	PIPE ASSY, COND-R/D	1
8	50288026	O-RING, L-HOSE	2
10	50282533	BOLT M 8X 16	4
11	50282534	BOLT M 8X 20	4
12	425-35026	BOLT M8 X 25	2
13	197805	BOLT M6X25 PLATED	1

# Z35 GEN:2 - COMPACT EXCAVATOR

## FIG. 39 - HEATER (UNIT) (CABIN)



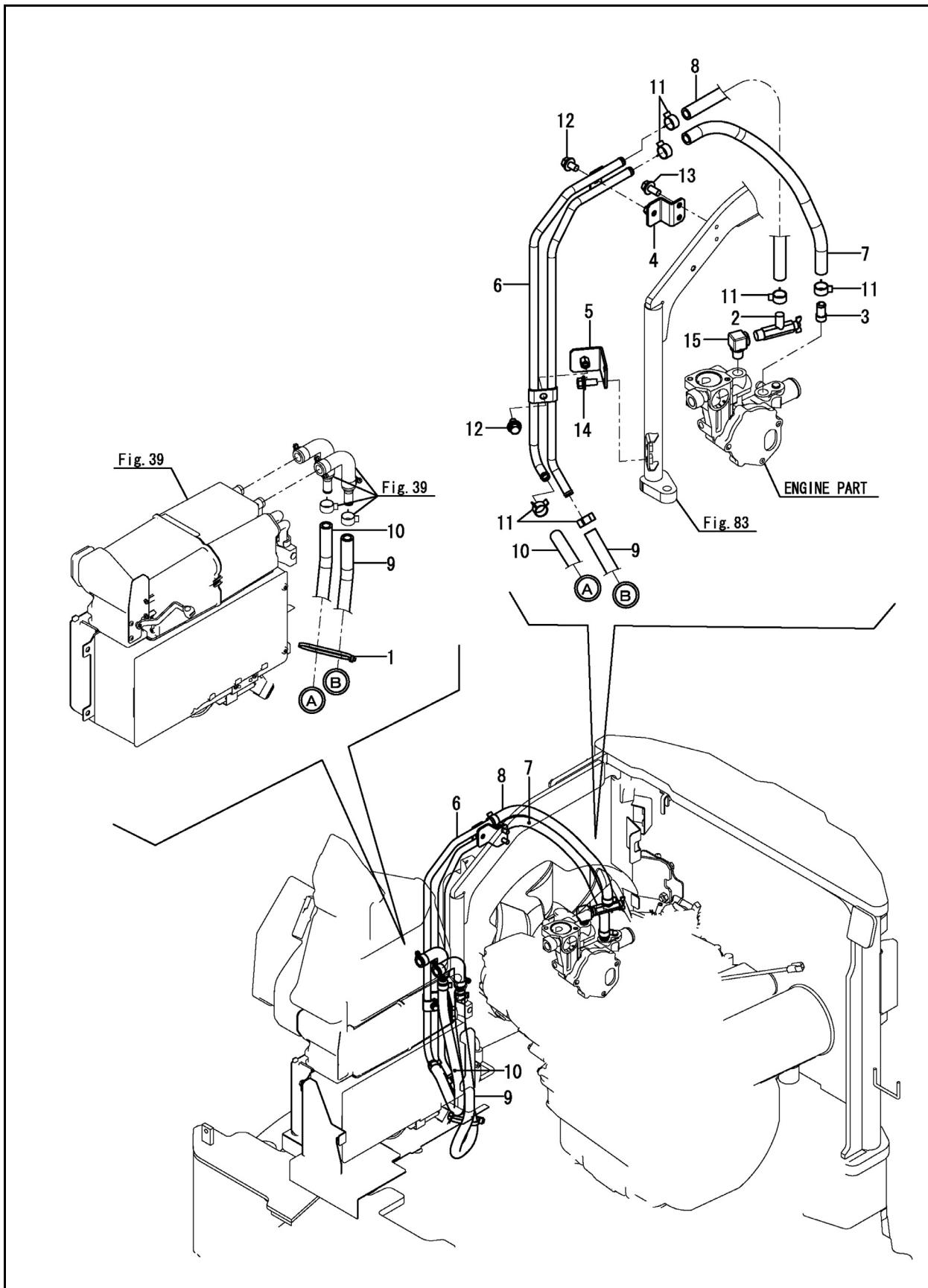
**Z35 GEN:2 - COMPACT EXCAVATOR**  
**FIG. 39 - HEATER (UNIT) (CABIN)**

Ref.

No.	Part No.	Description	Qty.
1	50287121	JOINT, HOSE	2
2	50287558	STAY ASSY, AC R	1
3	50287559	BRACKET ASSY, AC F	1
4	50287561	GROMMET, HOSE-HEATER	1
5	50287563	SPONGE, PARTITION	1
7	50287552	HEATER ASSY	1
8	50286728	FILTER	1
9	50287598	HOSE, HEATER ELBOW	2
10	50287709	GROMMET, CABLE	1
11	50287093	GROMMET	1
12	50288154	SCREW	2
13	50282427	HOSE CLAMP 22	4
14	188718	CLAMP 18	2
15	50282534	BOLT M 8X 20	2
16	50282534	BOLT M 8X 20	4

# Z35 GEN:2 - COMPACT EXCAVATOR

## FIG. 40 - HEATER (PIPING) (CABIN)



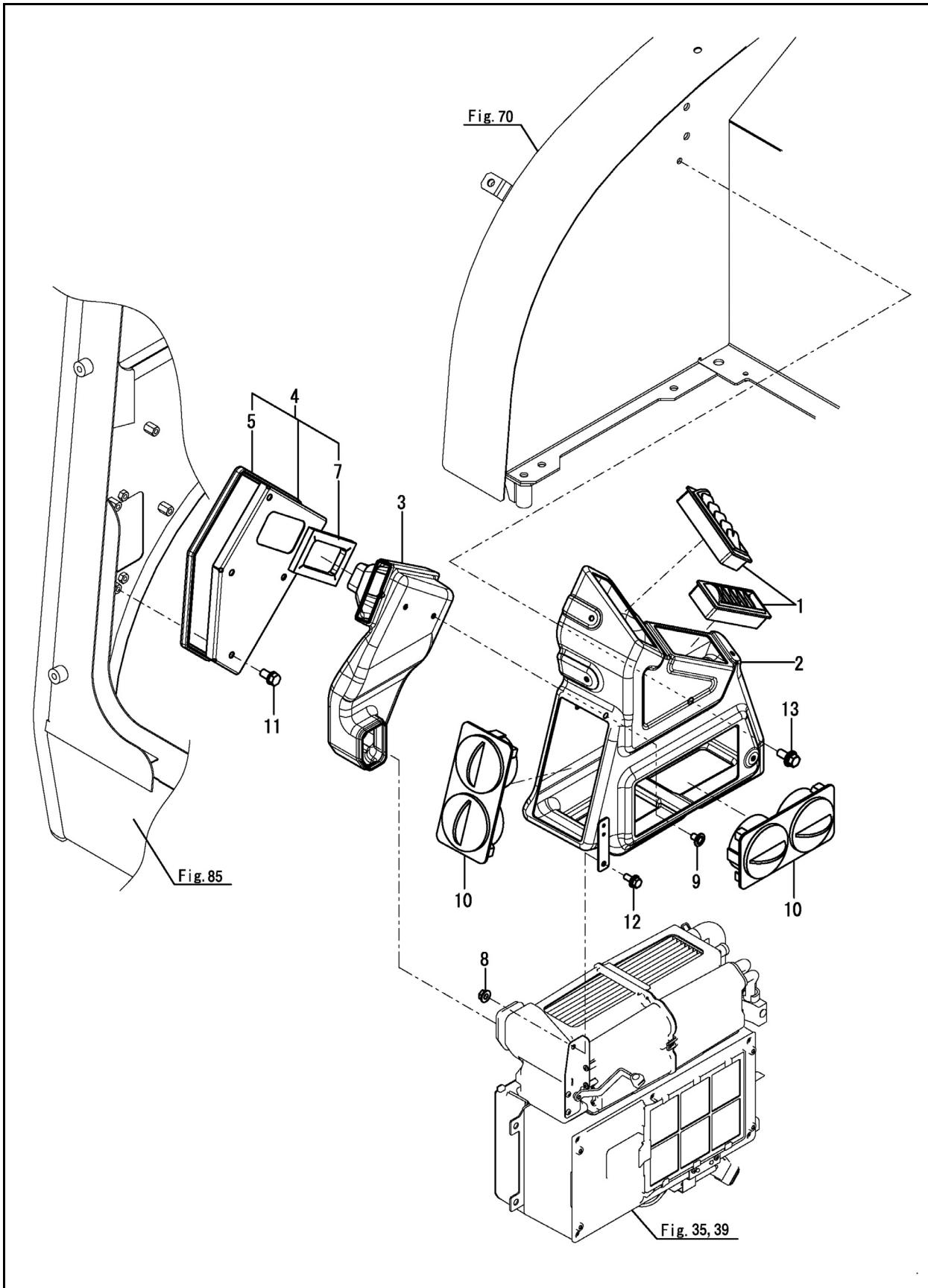
**Z35 GEN:2 - COMPACT EXCAVATOR**  
**FIG. 40 - HEATER (PIPING) (CABIN)**

Ref.

No.	Part No.	Description	Qty.
1	50280798	BAND 300	1
2	50281016	VALVE ASSY, HEATER	1
3	50282711	JOINT 3/8	1
4	50287564	STAY ASSY, H-PIPE A	1
5	50287565	STAY ASSY, H-PIPE B	1
6	50287584	PIPE ASSY, HEATER	1
7	50287595	HOSE, HEATER 420	1
8	50287596	HOSE, HEATER 380	1
9	50287599	HOSE, HEATER 640	1
10	50287600	HOSE, HEATER IN	1
11	188718	CLAMP 18	6
12	50282533	BOLT M 8X 16	2
13	50282534	BOLT M 8X 20	2
14	50282534	BOLT M 8X 20	2
15	50288189	ELBOW, SWIVEL JOINT	1

# Z35 GEN:2 - COMPACT EXCAVATOR

## FIG. 41 - DUCT (A/C, HEATER) (CABIN)



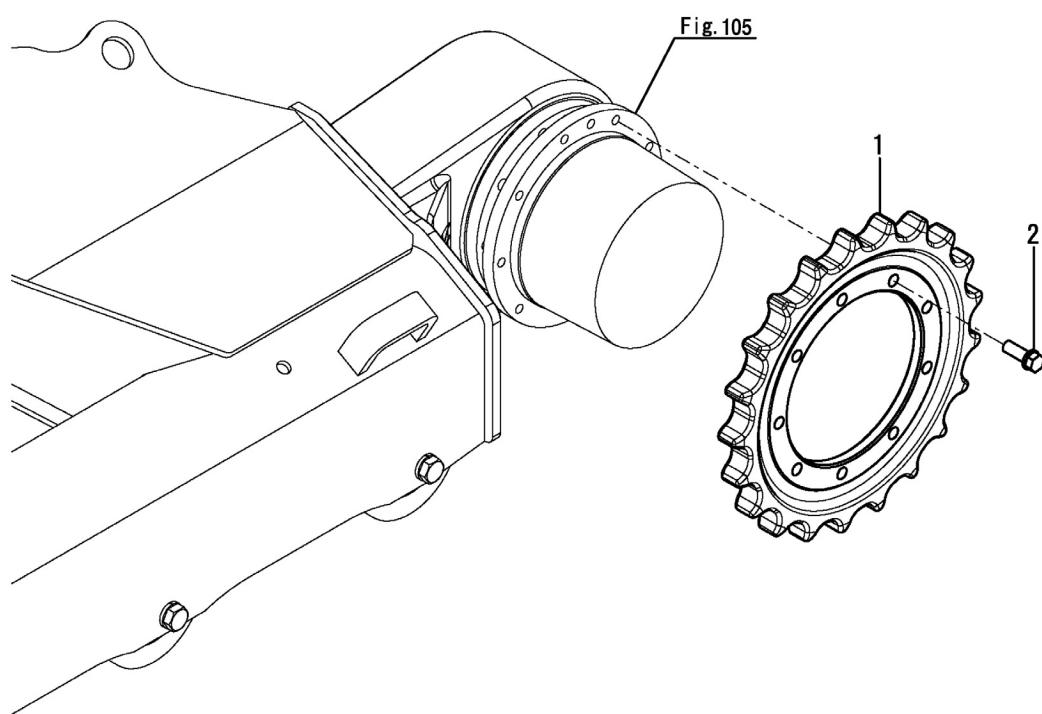
**Z35 GEN:2 - COMPACT EXCAVATOR**  
**FIG. 41 - DUCT (A/C, HEATER) (CABIN)**

Ref.

No.	Part No.	Description	Qty.
1	50281133	GRILLE	2
2	50287566	DUCT ASSY, AIR CON	1
3	50287567	DUCT, A/C FRESH AIR	1
4	50287568	DUCT ASSY, INTAKE	1
5	50287181	TRIM	1
7	50287570	SEAL, DUCT INTAKE	1
8	197781	NUT W/WASHER 6	1
9	50288114	RIVET	2
10	50282363	AIR-CON GRILL CMP	2
11	50282506	BOLT W/WASHER M8X16	4
12	50282531	BOLT M 6X 16	1
13	50282534	BOLT M 8X 20	1

# Z35 GEN:2 - COMPACT EXCAVATOR

## FIG. 42 - SPROCKET



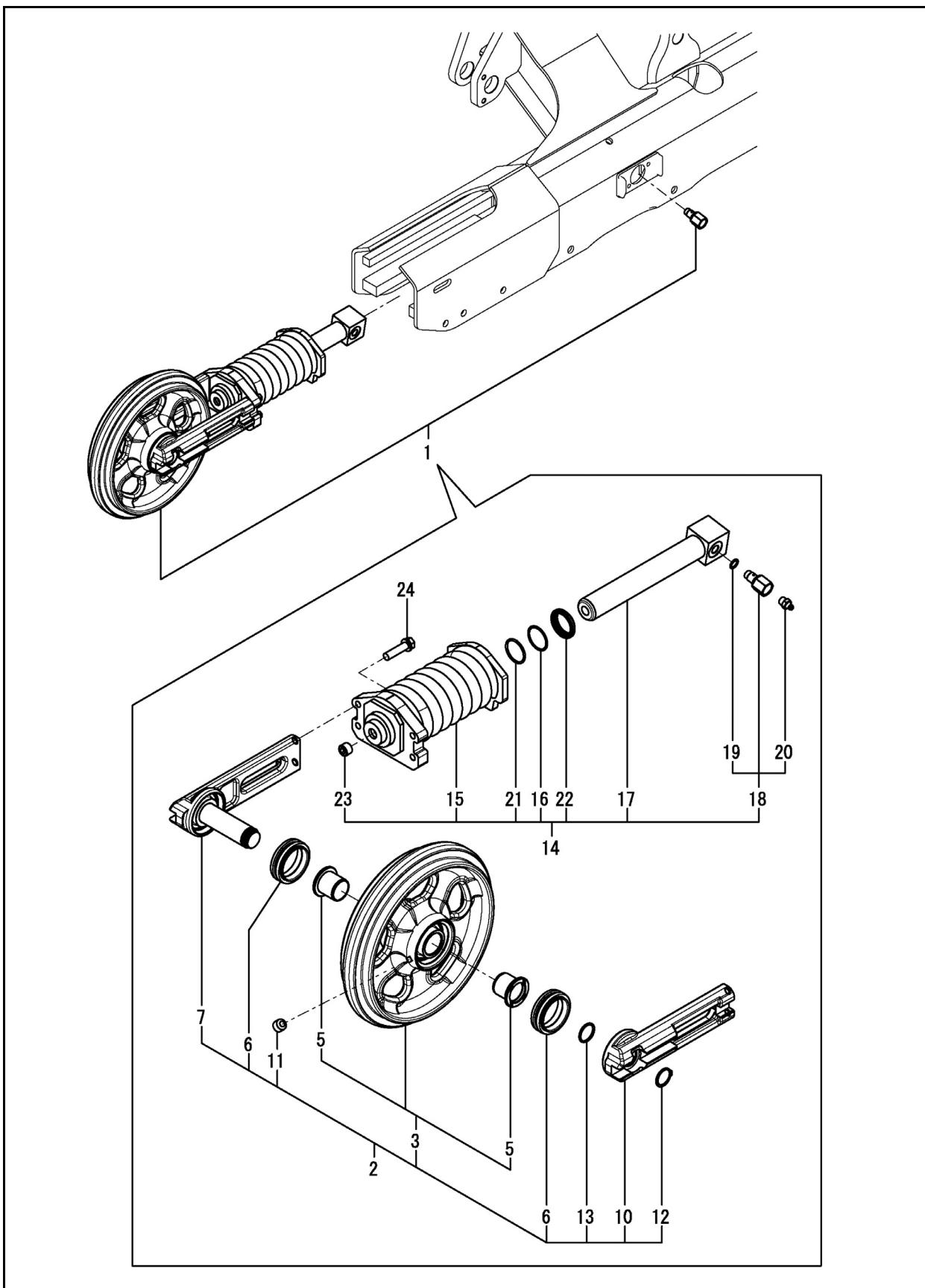
**Z35 GEN:2 - COMPACT EXCAVATOR**  
**FIG. 42 - SPROCKET**

Ref.

No.	Part No.	Description	Qty.
1	50284200	SPROCKET	2
2	50284102	BOLT M12 X 35	18

# Z35 GEN:2 - COMPACT EXCAVATOR

## FIG. 43 - IDLER & ADJUST



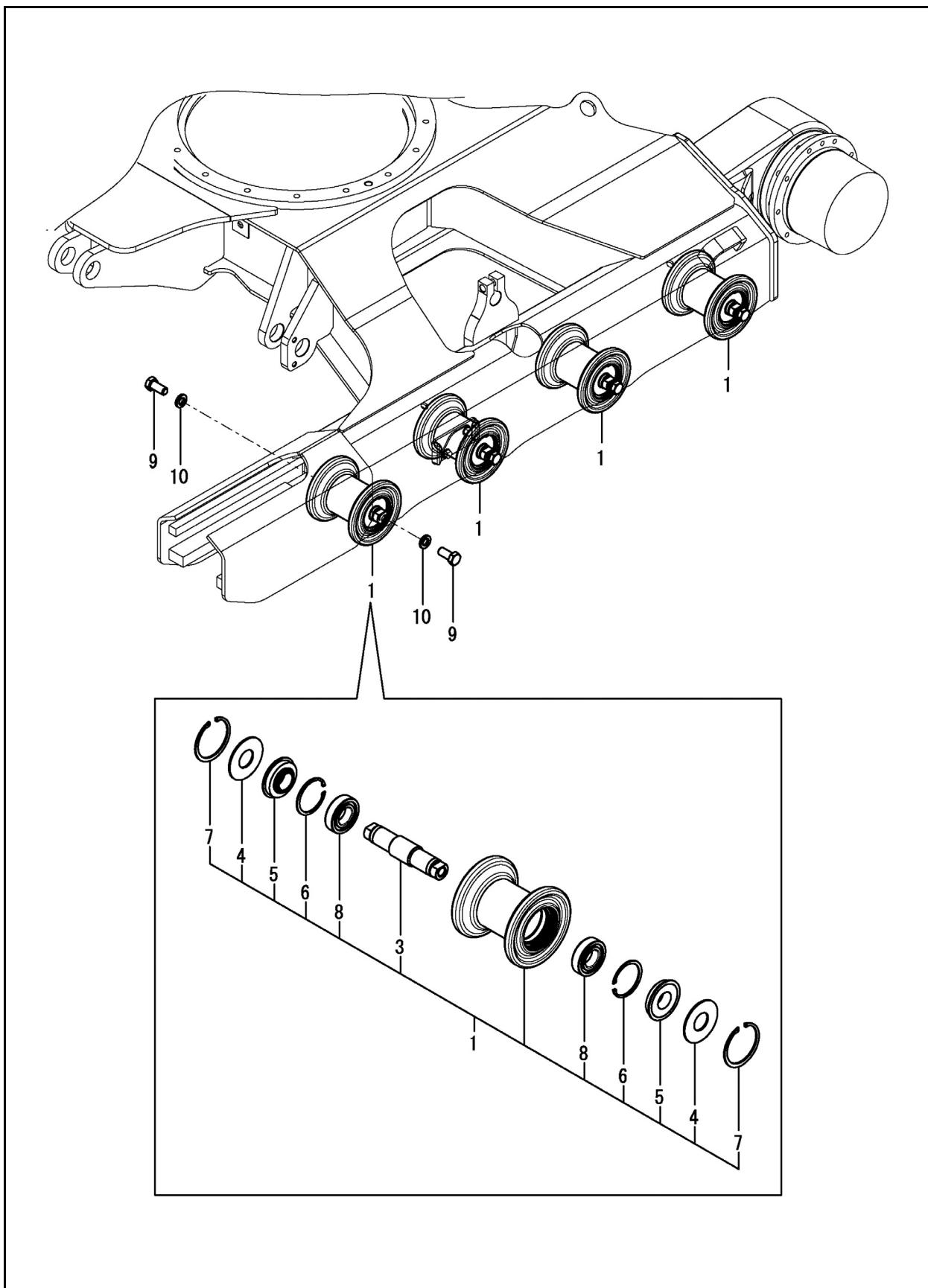
**Z35 GEN:2 - COMPACT EXCAVATOR**  
**FIG. 43 - IDLER & ADJUST**

**Ref.**

No.	Part No.	Description	Qty.
1	50287601	IDLER ASSY, ADJUST R	2
2	50287602	IDLER ASSY, R	2
3	50284323	IDLER ASSY, 295	2
5	50284800	BUSHING	4
6	50282966	FLOATING SEAL	2
7	50284325	SHAFT ASSY, IDLER	2
10	50284327	SEAL COVER B, IDLER	2
11	50282355	PLUG PT1/8	2
12	50284045	CIRCLIP 30	2
13	425-35944	O-RING G30	2
14	50287603	ADJUSTER ASSY, CR.	2
15	50284334	SPRING, CRAWLER	2
16	50284389	BACKUP RING 40	2
17	50287604	PISTON ASSY, ADJUST	2
18	50287605	VALVE ASSY, NIPPLE	2
19	50287606	SEAL, SQUARE	2
20	50282497	NIPPLE PT1/8, GREASE	2
21	50282488	O-RING, 1B G 40.0	2
22	50284875	SEAL 4052710	2
23	50282621	PLUG PT1/8	2
24	50282519	BOLT M10X 40	8

# Z35 GEN:2 - COMPACT EXCAVATOR

## FIG. 44 - TRACK ROLLER



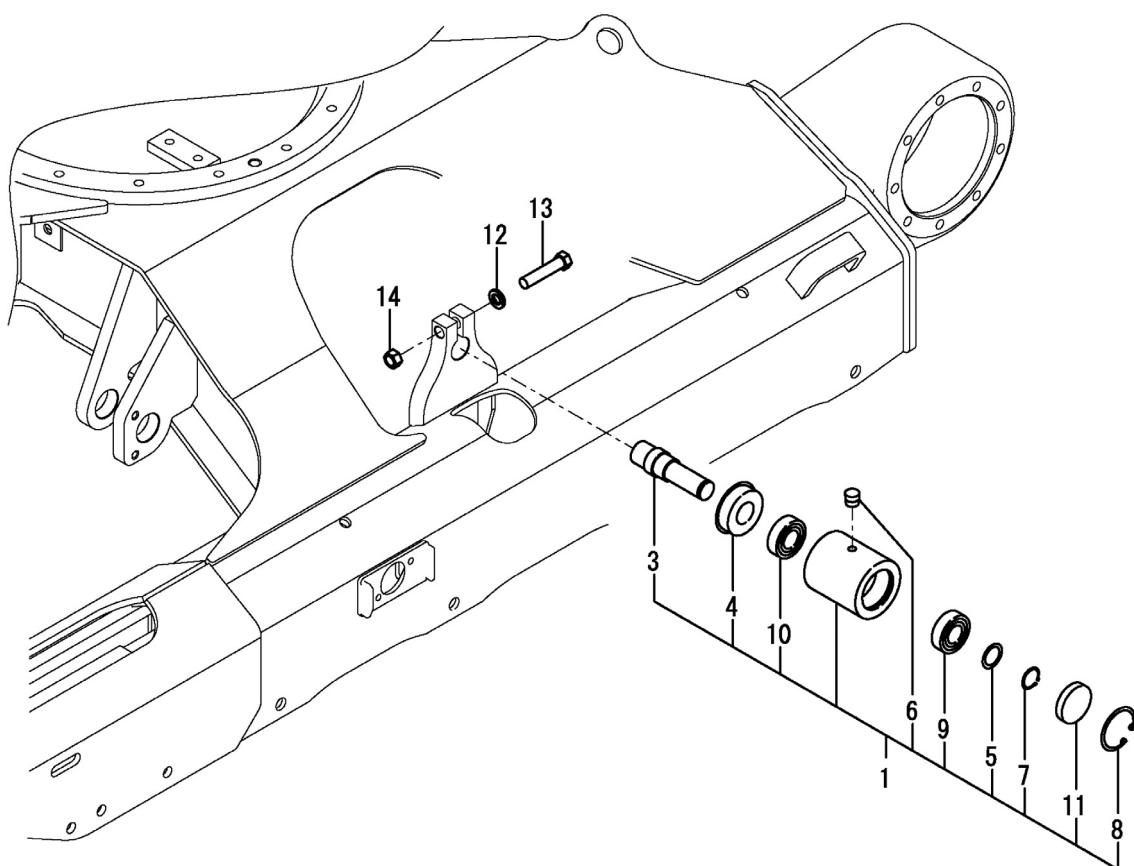
**Z35 GEN:2 - COMPACT EXCAVATOR**  
**FIG. 44 - TRACK ROLLER**

Ref.

No.	Part No.	Description	Qty.
1	50284254	ROLLER, TRACK	8
3	50284241	SHAFT	8
4	50284201	SPACER 75X2.6	16
5	50284836	SEAL QLF30621218,OIL	16
6	50284842	CIRCLIP 62(H)	16
7	50284843	CIRCLIP 75	16
8	50284877	BEARING	16
9	50283253	BOLT, M16X35	16
10	50282396	SPRING WASHER 16	16

# Z35 GEN:2 - COMPACT EXCAVATOR

## FIG. 45 - CARRIER ROLLER



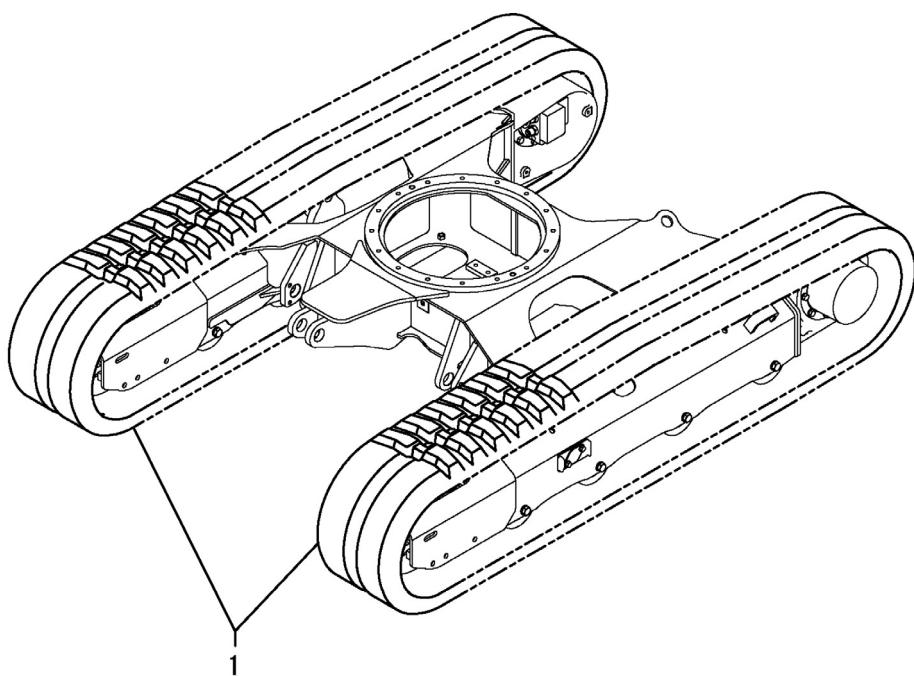
**Z35 GEN:2 - COMPACT EXCAVATOR**  
**FIG. 45 - CARRIER ROLLER**

Ref.

No.	Part No.	Description	Qty.
1	50284330	ROLLER ASSY, CARRIER	2
3	50284331	SHAFT	2
4	50284332	OIL SEAL	2
5	50284333	COLLAR	2
6	50282355	PLUG PT1/8	2
7	50282399	CIRCLIP 25S	2
8	50284841	CIRCLIP 52	2
9	186604	BEARING #6205	2
10	50284849	BALL BEARING	2
11	50284862	COVER 52, BLIND	2
12	188712	SPRING/WASHER 14	2
13	50284858	BOLT M14X 65 PLATED	2
14	50284861	NUT M14	2

**Z35 GEN:2 - COMPACT EXCAVATOR**

**FIG. 46 - CRAWLER**



**Z35 GEN:2 - COMPACT EXCAVATOR**  
**FIG. 46 - CRAWLER**

Ref.

No. Part No.

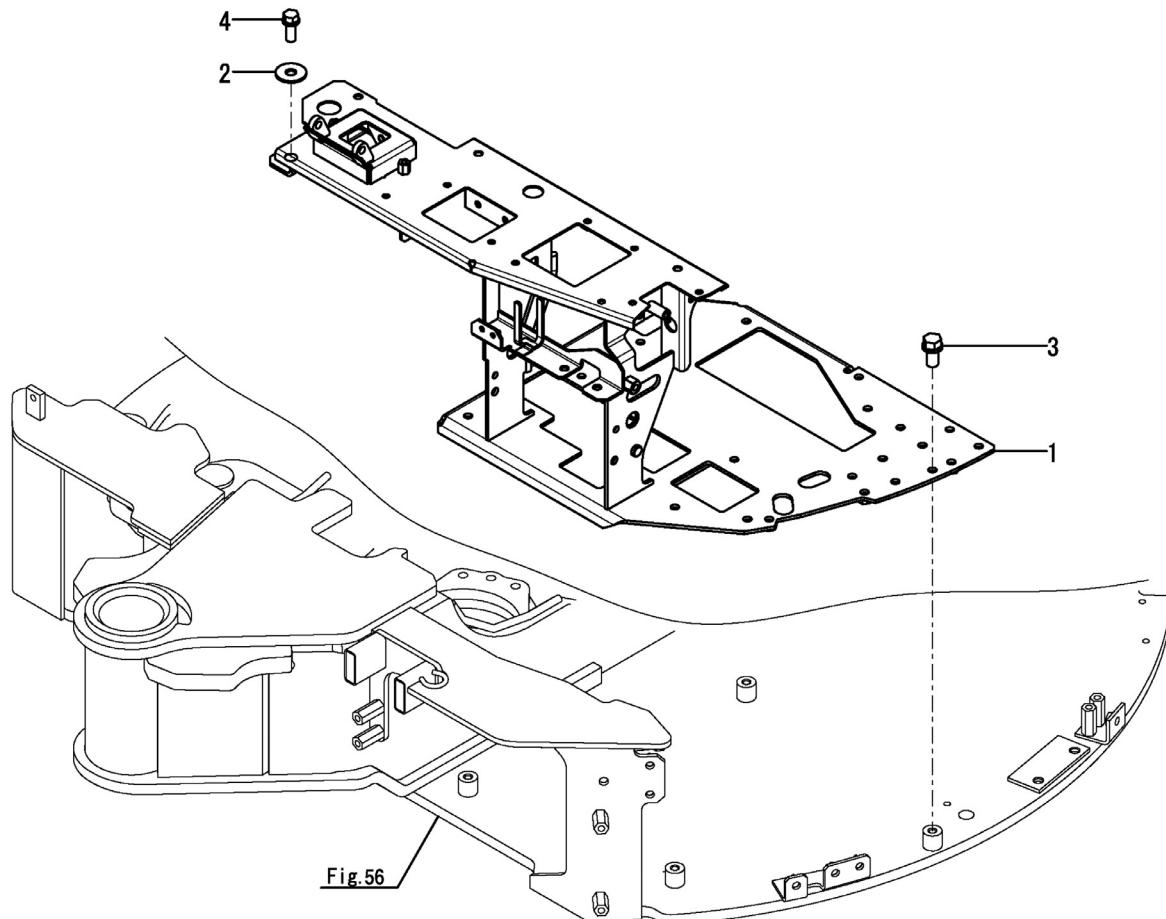
Description

Qty.

1	50287607	CRAWLER, RUBBER300	2
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# Z35 GEN:2 - COMPACT EXCAVATOR

## FIG. 47 - MOUNT (VALVE)

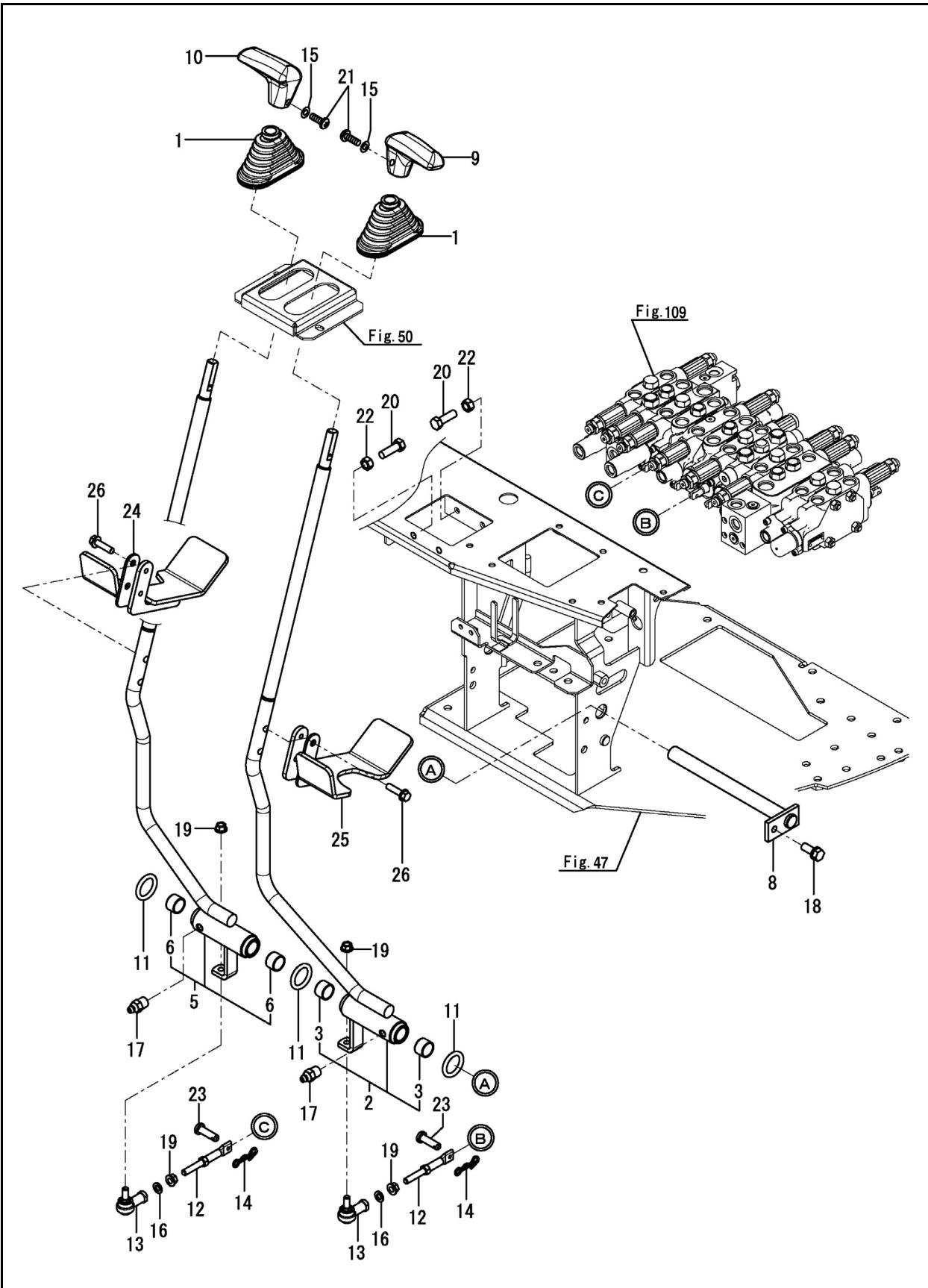


**Z35 GEN:2 - COMPACT EXCAVATOR**  
**FIG. 47 - MOUNT (VALVE)**

Ref.

No.	Part No.	Description	Qty.
1	50287624	MOUNT ASSY,LINK	1
2	50282387	WASHER 10	2
3	50282515	BOLT W/WASHER M10X20	4
4	50282516	BOLT W/WASHER M10X25	2

**Z35 GEN:2 - COMPACT EXCAVATOR**  
**FIG. 48 - CONTROL EQUIPMENT (TRAVEL LEVER)**

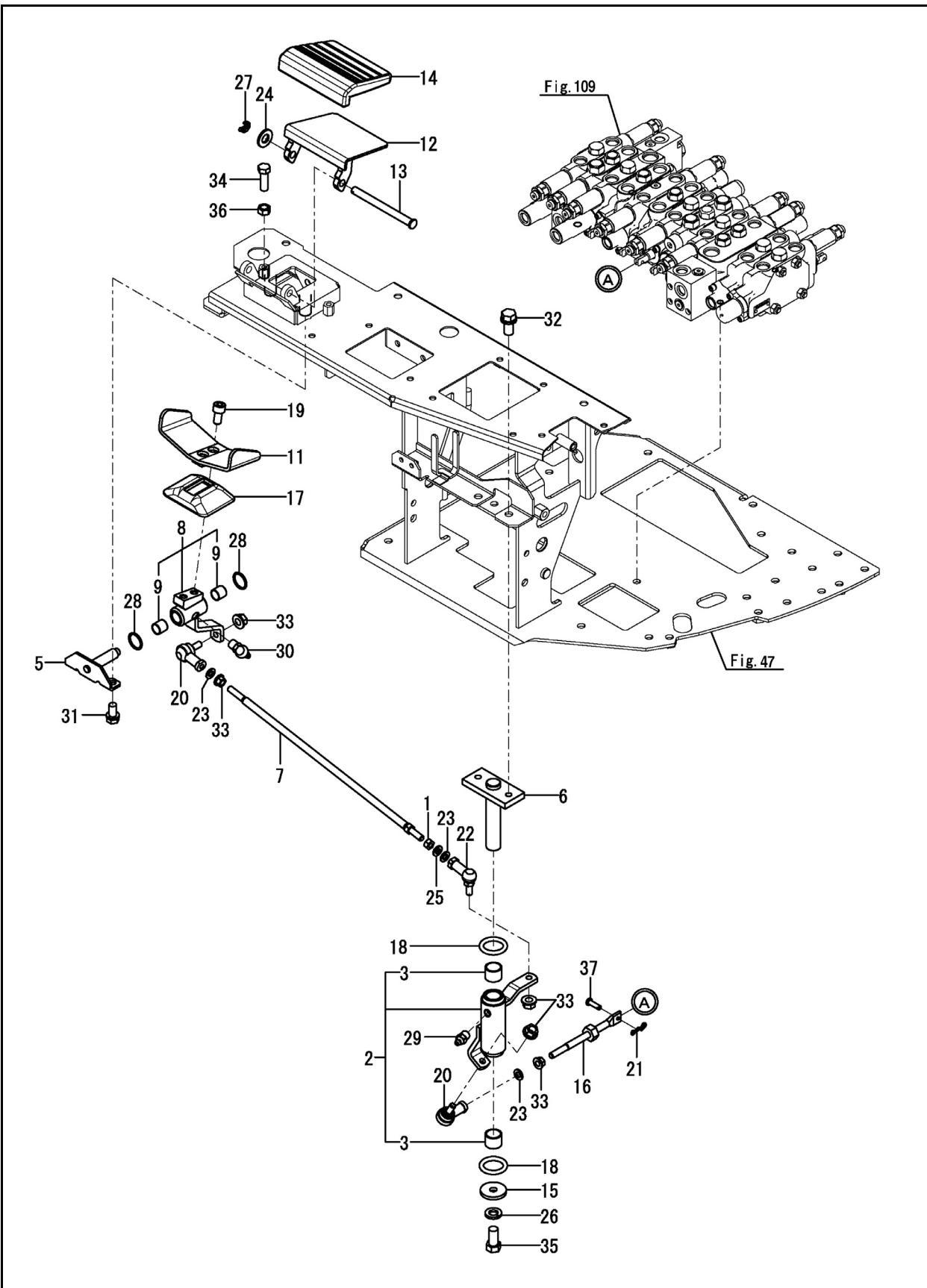


**Z35 GEN:2 - COMPACT EXCAVATOR**  
**FIG. 48 - CONTROL EQUIPMENT (TRAVEL LEVER)**

Ref.

No.	Part No.	Description	Qty.
1	50282725	BOOTS	2
2	50287610	LEVER ASSY, TRACK L	1
3	50280810	BUSHING 2015	2
5	50287612	LEVER ASSY, TRACK R	1
6	50280810	BUSHING 2015	2
8	50287620	SHAFT ASSY	1
9	50280939	GRIP L, DRIVE	1
10	50280940	GRIP R, DRIVE	1
11	50280793	O-RING 27X5.7	3
12	50285236	ROD (A), SPOOL	2
13	50282702	ELBOW	2
14	50284017	PIN 6,COME-OFF SNAP	2
15	197782	WASHER 4	2
16	138515	WASHER 8	2
17	50282497	NIPPLE PT1/8,GREASE	2
18	50282507	BOLT W/WASHER M8X20	1
19	50282548	NUT M 8	4
20	50288177	BOLT	4
21	50282592	SCREW, M4X12	2
22	50282596	NUT M 8	4
23	50284148	PIN 4.75X14	2
24	50287608	PEDAL ASSY, TRACK R	1
25	50287609	PEDAL ASSY, TRACK L	1
26	425-34760	BOLT M8 X 30 PLATED	4

**Z35 GEN:2 - COMPACT EXCAVATOR**  
**FIG. 49 - CONTROL EQUIPMENT (SWING PEDAL)**

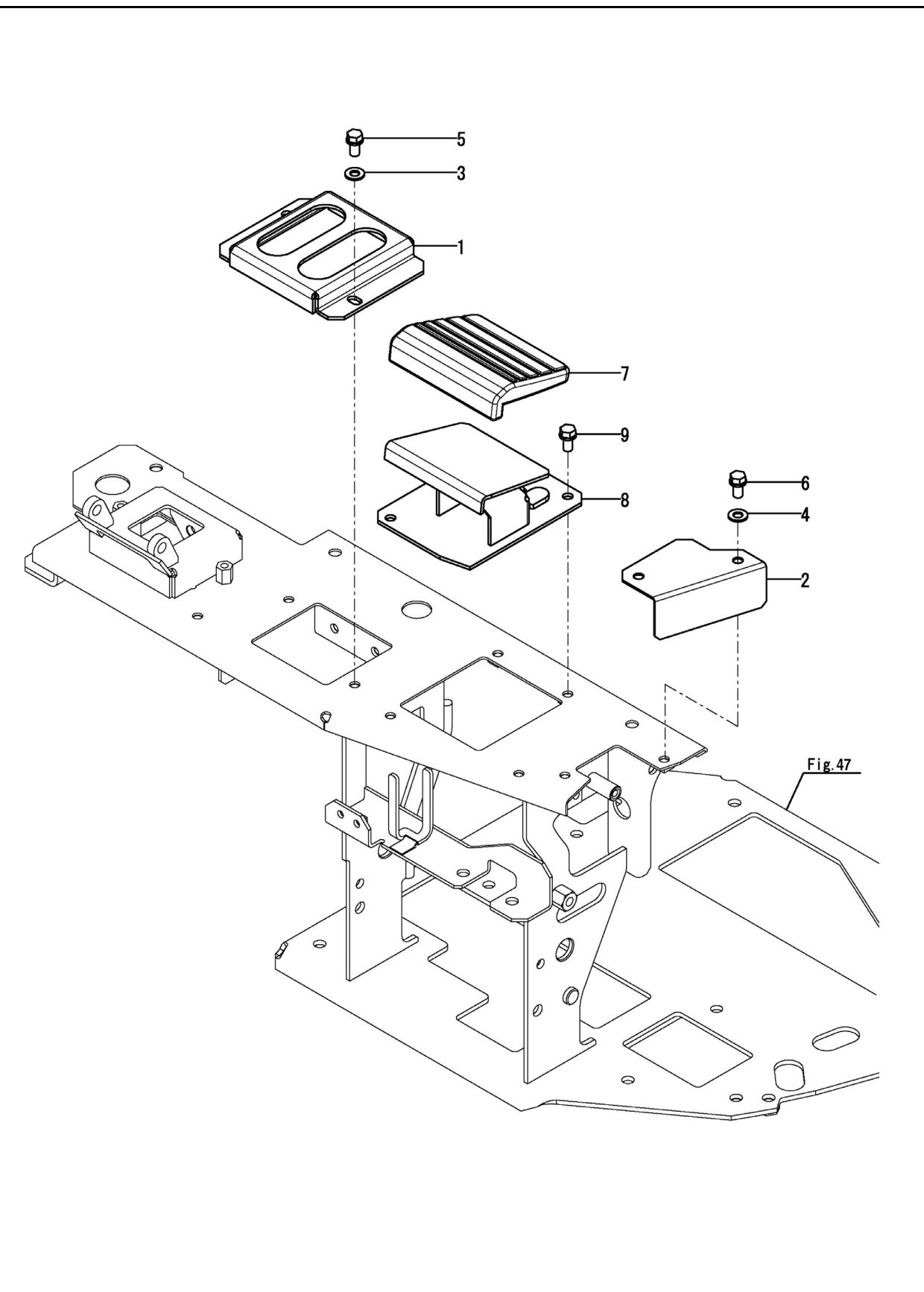


**Z35 GEN:2 - COMPACT EXCAVATOR**  
**FIG. 49 - CONTROL EQUIPMENT (SWING PEDAL)**

Ref.

No.	Part No.	Description	Qty.
1	50284001	LS-NUT 8	1
2	50287614	LINK ASSY, SWING	1
3	50280810	BUSHING 2015	2
5	50287137	SHAFT, PEDAL	1
6	50287616	BRACKET, SWING	1
7	50287617	ROD ASSY, 420	1
8	50287618	LINK ASSY, PEDAL	1
9	50282726	BUSHING 1415	2
11	50285388	PEDAL,SWING(GRAY:49)	1
12	50285389	COVER,PEDAL(GRAY:49)	1
13	50280936	SHAFT, PEDAL COVER	1
14	50280938	COVER PAD	1
15	50288105	WASHER	1
16	50287154	ROD ASSY	1
17	50285272	BOOTS, PEDAL	1
18	50280793	O-RING 27X5.7	2
19	50285276	BOLT	2
20	50282702	ELBOW	2
21	50284017	PIN 6,COME-OFF SNAP	1
22	50284021	BALL BL8DL, LINK	1
23	138515	WASHER 8	3
24	138111	WASHER/POLISHED	1
25	50282392	WASHER, 8	1
26	50282393	SPRING WASHER 10	1
27	50282419	COTTER PIN 2.5X20	1
28	50284076	O-RING 1A P-21.0	2
29	50282497	NIPPLE PT1/8,GREASE	1
30	50282498	NIPPLE B,GREASE	1
31	50282506	BOLT W/WASHER M8X16	2
32	50282515	BOLT W/WASHER M10X20	2
33	50282548	NUT M 8	5
34	50285911	BOLT M8 X 25 PLATED	2
35	50282564	BOLT M10X 20 PLATED	1
36	50282596	NUT M 8	2
37	50284148	PIN 4.75X14	1

**Z35 GEN:2 - COMPACT EXCAVATOR**  
**FIG. 50 - CONTROL EQUIPMENT (PEDAL COVER)**

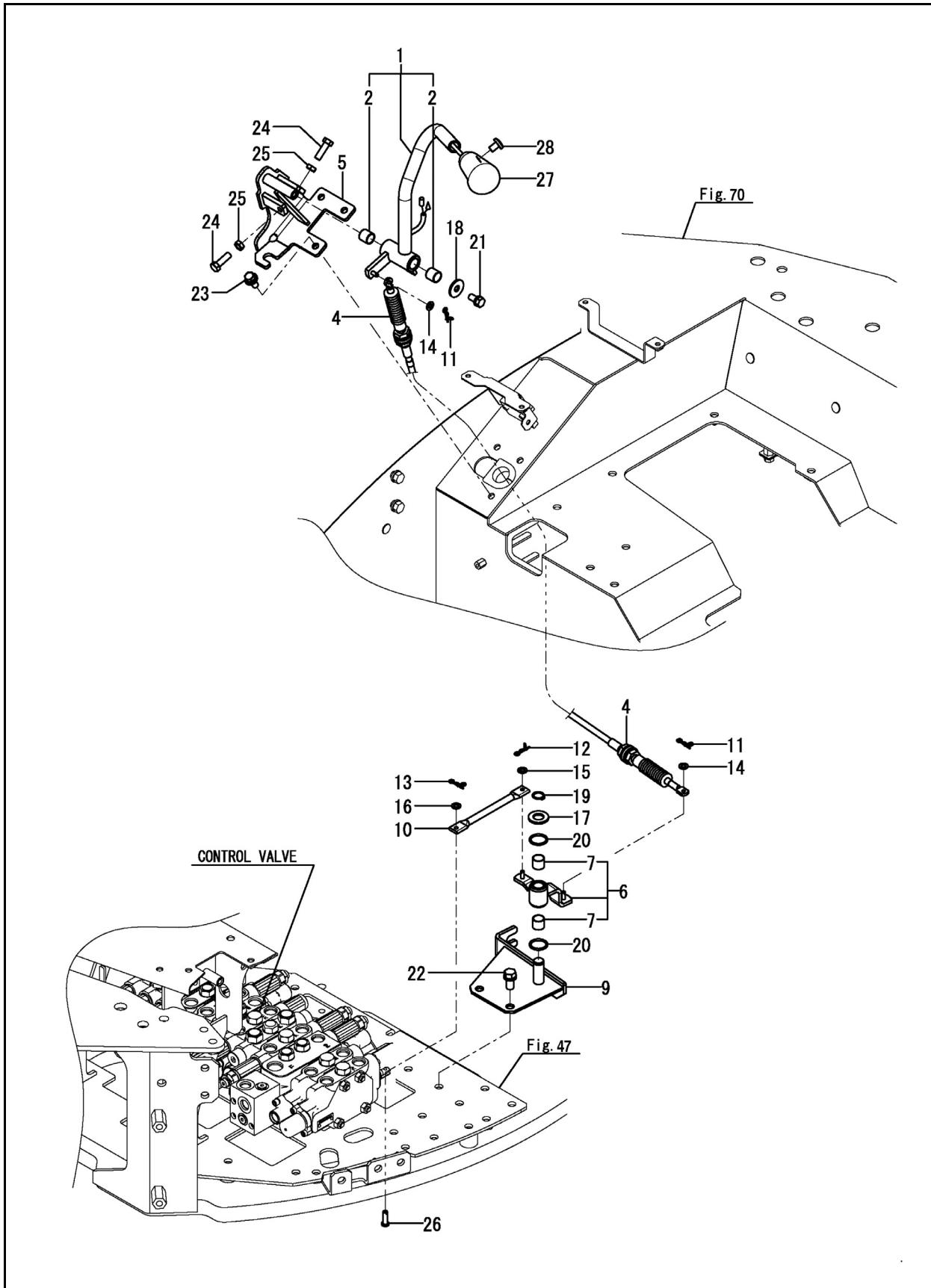


**Z35 GEN:2 - COMPACT EXCAVATOR**  
**FIG. 50 - CONTROL EQUIPMENT (PEDAL COVER)**

Ref.

No.	Part No.	Description	Qty.
1	50285387	BRACKET,BOOT	1
2	50287623	COVER, NO 2ND	1
3	50282380	WASHER 8, POLISHED	2
4	50282380	WASHER 8, POLISHED	2
5	50282506	BOLT W/WASHER M8X16	2
6	50282506	BOLT W/WASHER M8X16	2
7	50280938	COVER PAD	1
8	50287639	COVER ASSY, NO PTO	1
9	50282506	BOLT W/WASHER M8X16	3

**Z35 GEN:2 - COMPACT EXCAVATOR**  
**FIG. 51 - CONTROL EQUIPMENT (BLADE LEVER)**

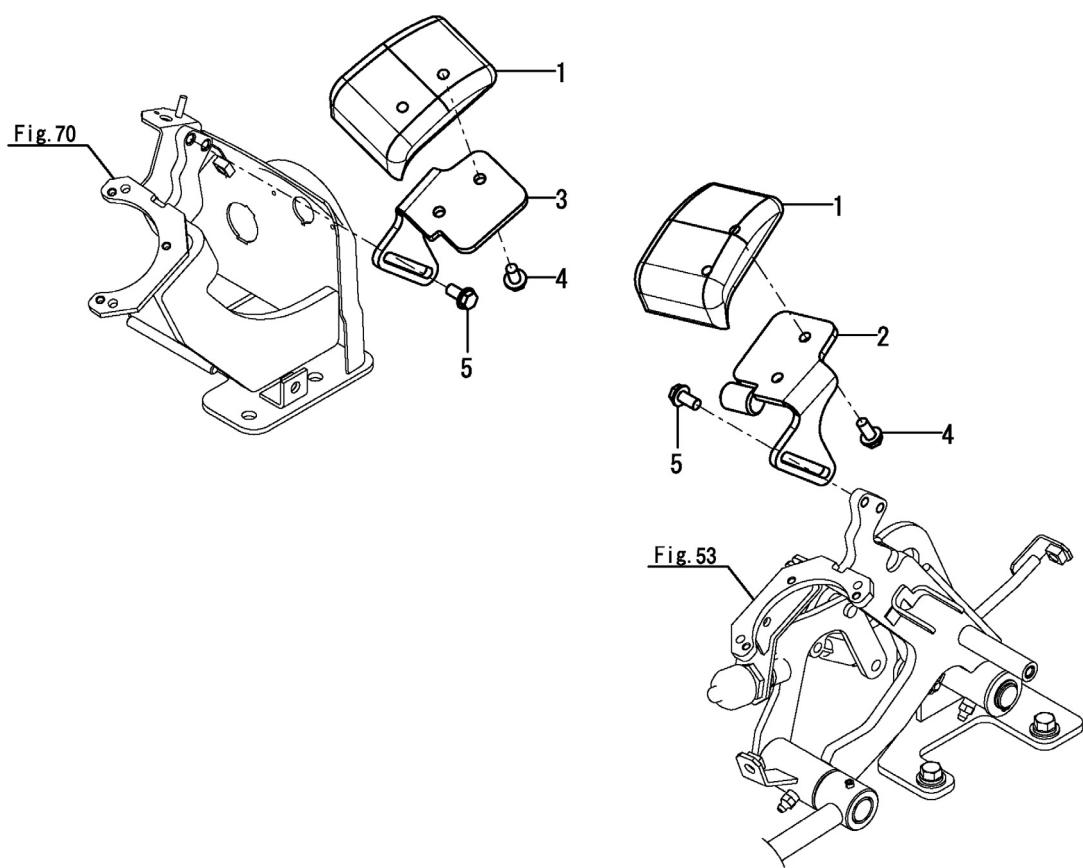


**Z35 GEN:2 - COMPACT EXCAVATOR**  
**FIG. 51 - CONTROL EQUIPMENT (BLADE LEVER)**

Ref.

No.	Part No.	Description	Qty.
1	50287621	LEVER ASSY, BLADE EX	1
2	50282726	BUSHING 1415	2
4	50287625	CABLE, BLADE	1
5	50287626	BRACKET ASSY, BLADE	1
6	50287627	BOSS ASSY, LINK	1
7	50282726	BUSHING 1415	2
9	50287629	SHAFT ASSY, LINK	1
10	50287630	ROD, 130	1
11	50284017	PIN 6,COME-OFF SNAP	2
12	50284017	PIN 6,COME-OFF SNAP	1
13	50284017	PIN 6,COME-OFF SNAP	1
14	50284040	WASHER 5, POLISHED	2
15	50284040	WASHER 5, POLISHED	1
16	50284040	WASHER 5, POLISHED	1
17	50284042	WASHER 14,POLISHED	1
18	186593	WASHER 8	1
19	50288149	RING	1
20	50284076	O-RING 1A P-21.0	2
21	50282506	BOLT W/WASHER M8X16	1
22	50282515	BOLT W/WASHER M10X20	2
23	50282534	BOLT M 8X 20	3
24	50285910	BOLT M8 X 25 PLATED	2
25	425-34794	LOCK NUT M8 PLATED	2
26	50284148	PIN 4.75X14	1
27	50287551	KNOB ASSY,BLADE SW	1
28	50288183	SCREW	1

**Z35 GEN:2 - COMPACT EXCAVATOR**  
**FIG. 52 - CONTROL EQUIPMENT (ARM REST)**



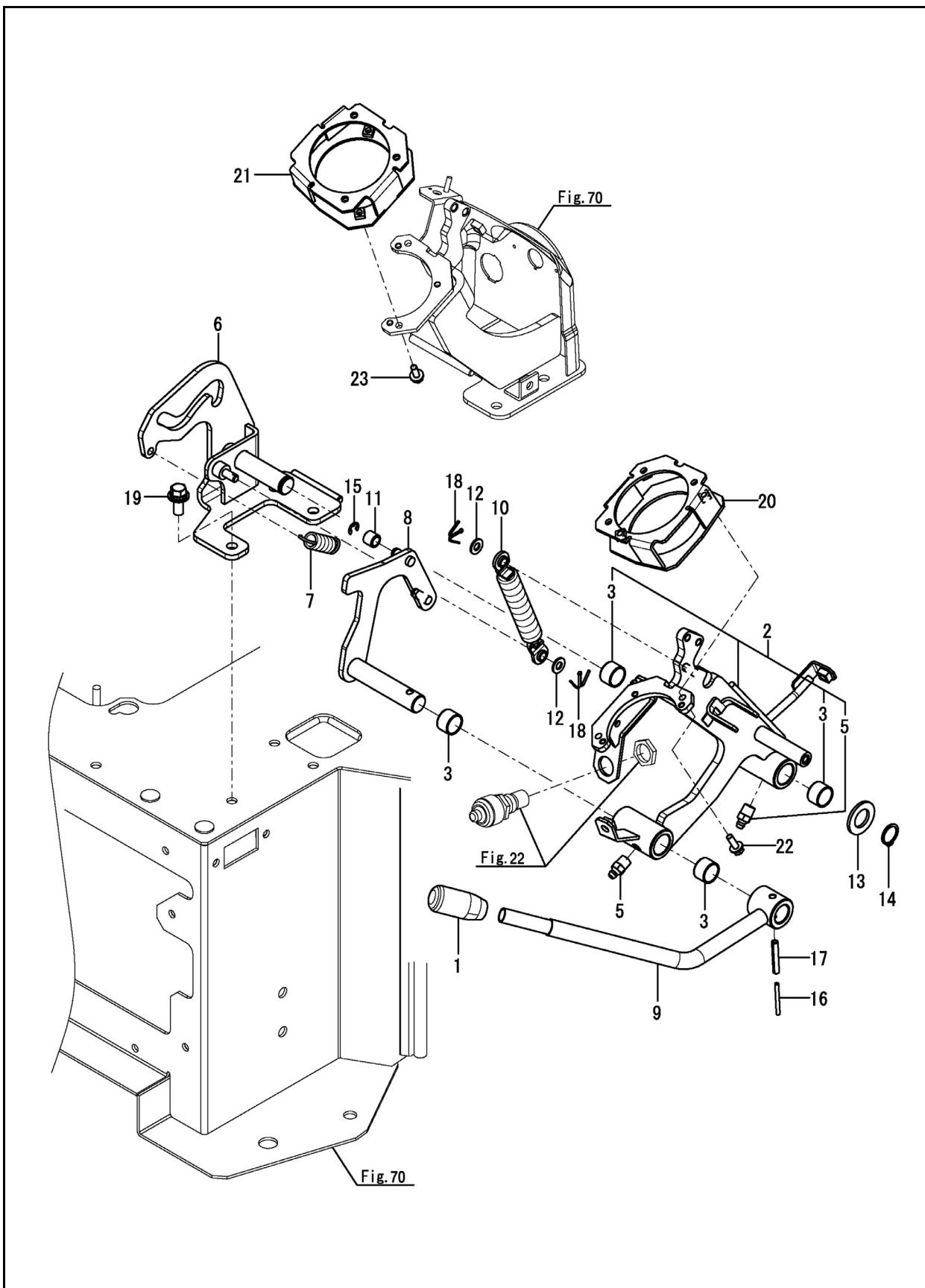
**Z35 GEN:2 - COMPACT EXCAVATOR**  
**FIG. 52 - CONTROL EQUIPMENT (ARM REST)**

Ref.

No.	Part No.	Description	Qty.
1	50281043	ARM REST	2
2	50283333	GUIDE ASSY	1
3	50283334	PLATE, GUIDE	1
4	50281318	BOLT 8X 16	4
5	50281318	BOLT 8X 16	4

# Z35 GEN:2 - COMPACT EXCAVATOR

## FIG. 53 - CONTROL EQUIPMENT (LOCK LEVER & STAND)



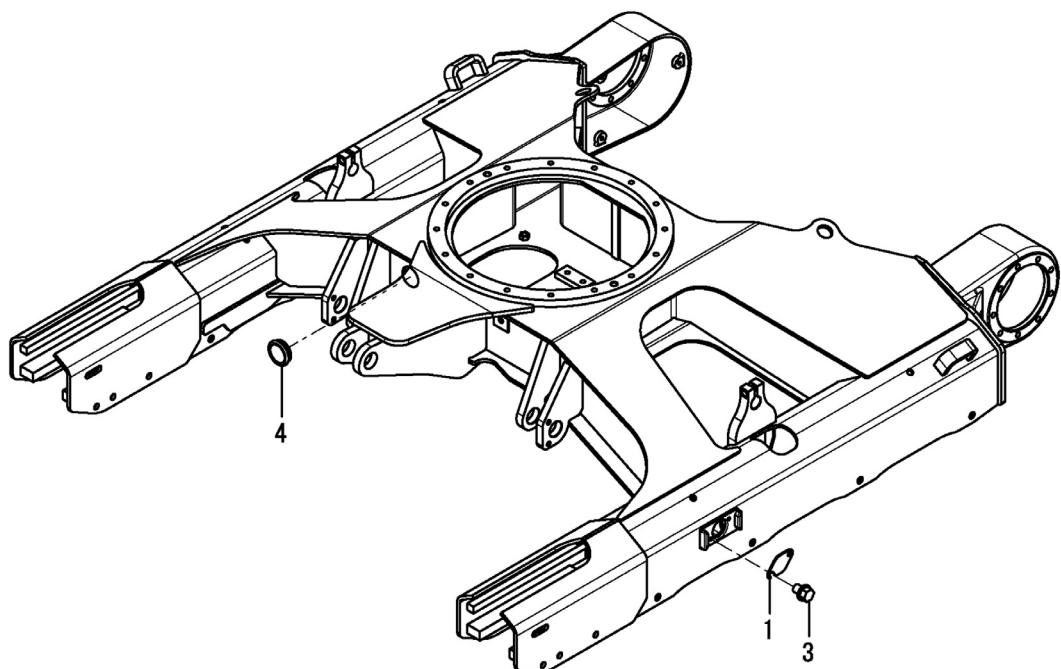
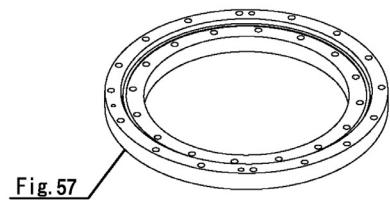
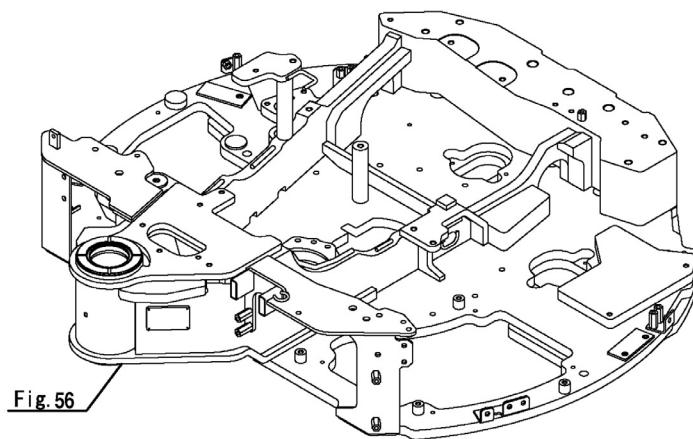
**Z35 GEN:2 - COMPACT EXCAVATOR**  
**FIG. 53 - CONTROL EQUIPMENT (LOCK LEVER & STAND)**

Ref.

No.	Part No.	Description	Qty.
1	50282079	GRIP,RED	1
2	50287633	STAND ASSY, LEVER L	1
3	50280810	BUSHING 2015	4
5	50282497	NIPPLE PT1/8,GREASE	2
6	50287635	BASE ASSY, LEVER L	1
7	50281653	SPRING 2.3X15X60	1
8	50287636	ROD ASSY, GUIDE	1
9	50287637	LEVER ASSY, LOCK L	1
10	50281071	SPRING,GAS	1
11	50280894	BUSHING	1
12	50282380	WASHER 8, POLISHED	2
13	50282383	WASHER, 20	1
14	425-35232	CIRCLIP 20	1
15	176152	CIRCLIP E-7	1
16	50282413	SPRING PIN 3.5X40	1
17	50282414	SPRING PIN 6X40	1
18	50282418	COTTER PIN 2.0X20	2
19	50282539	BOLT 10X25 W/PLW+SPW	3
20	50287631	SPACER ASSY, L	1
21	50287632	SPACER ASSY, R	1
22	425-35319	BOLT WITH WASHER 6 X 20	2
23	425-35319	BOLT WITH WASHER 6 X 20	2

# Z35 GEN:2 - COMPACT EXCAVATOR

## FIG. 54 - TRACK FRAME



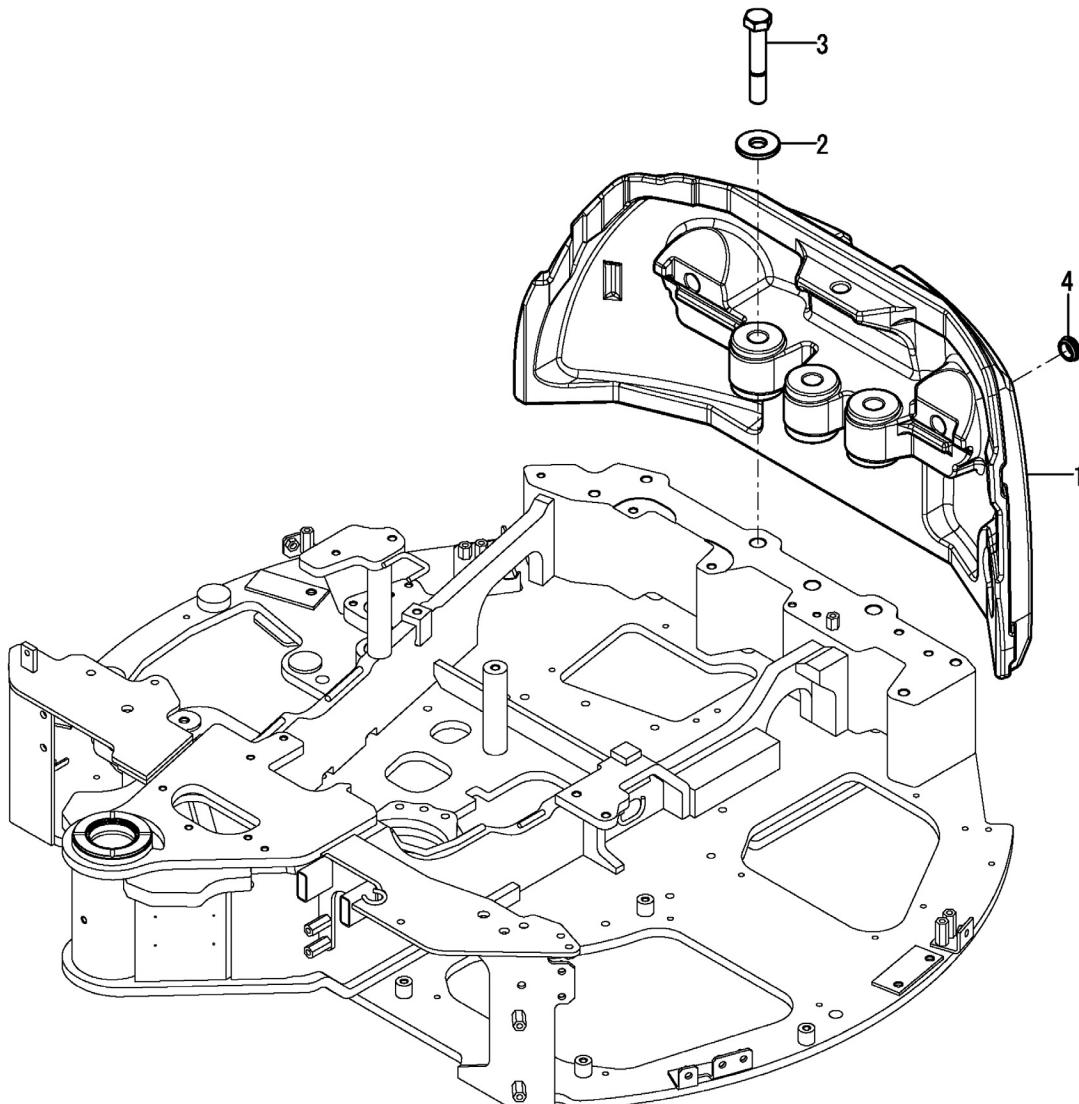
**Z35 GEN:2 - COMPACT EXCAVATOR**  
**FIG. 54 - TRACK FRAME**

Ref.

No.	Part No.	Description	Qty.
1	50281136	FRAME COVER	2
3	50282558	BOLT M10X 12 PLATED	4
4	50282727	GROMMET	1

# Z35 GEN:2 - COMPACT EXCAVATOR

## FIG. 55 - COUNTERWEIGHT



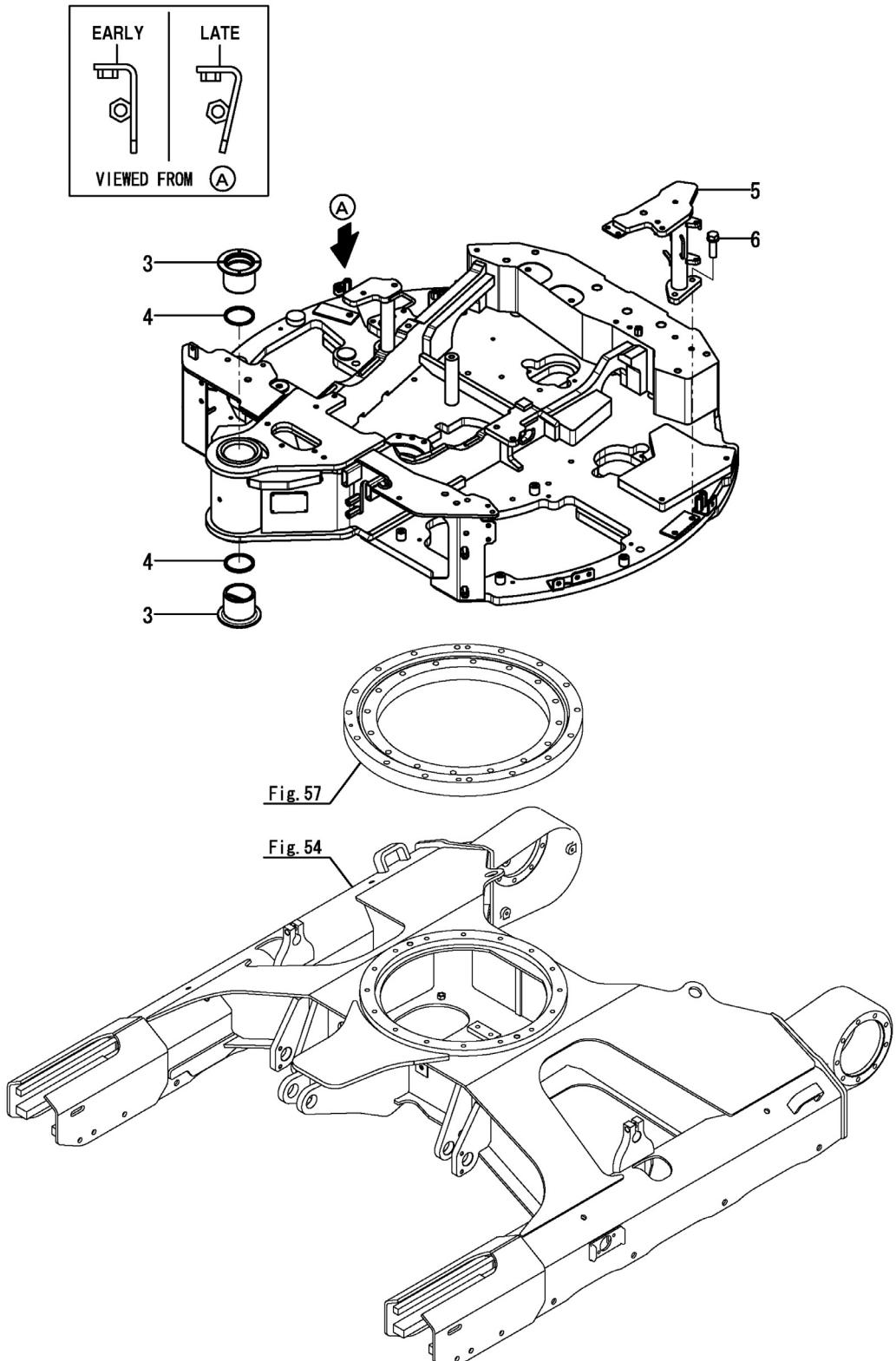
**Z35 GEN:2 - COMPACT EXCAVATOR**  
**FIG. 55 - COUNTERWEIGHT**

Ref.

No.	Part No.	Description	Qty.
1	50287207	WEIGHT, COUNTER 190	1
2	50280943	WASHER 24.5X65X8	3
3	50281072	BOLT 24X140	3
4	50281128	GROMMET 30	2

# Z35 GEN:2 - COMPACT EXCAVATOR

## FIG. 56 - TURNING FRAME



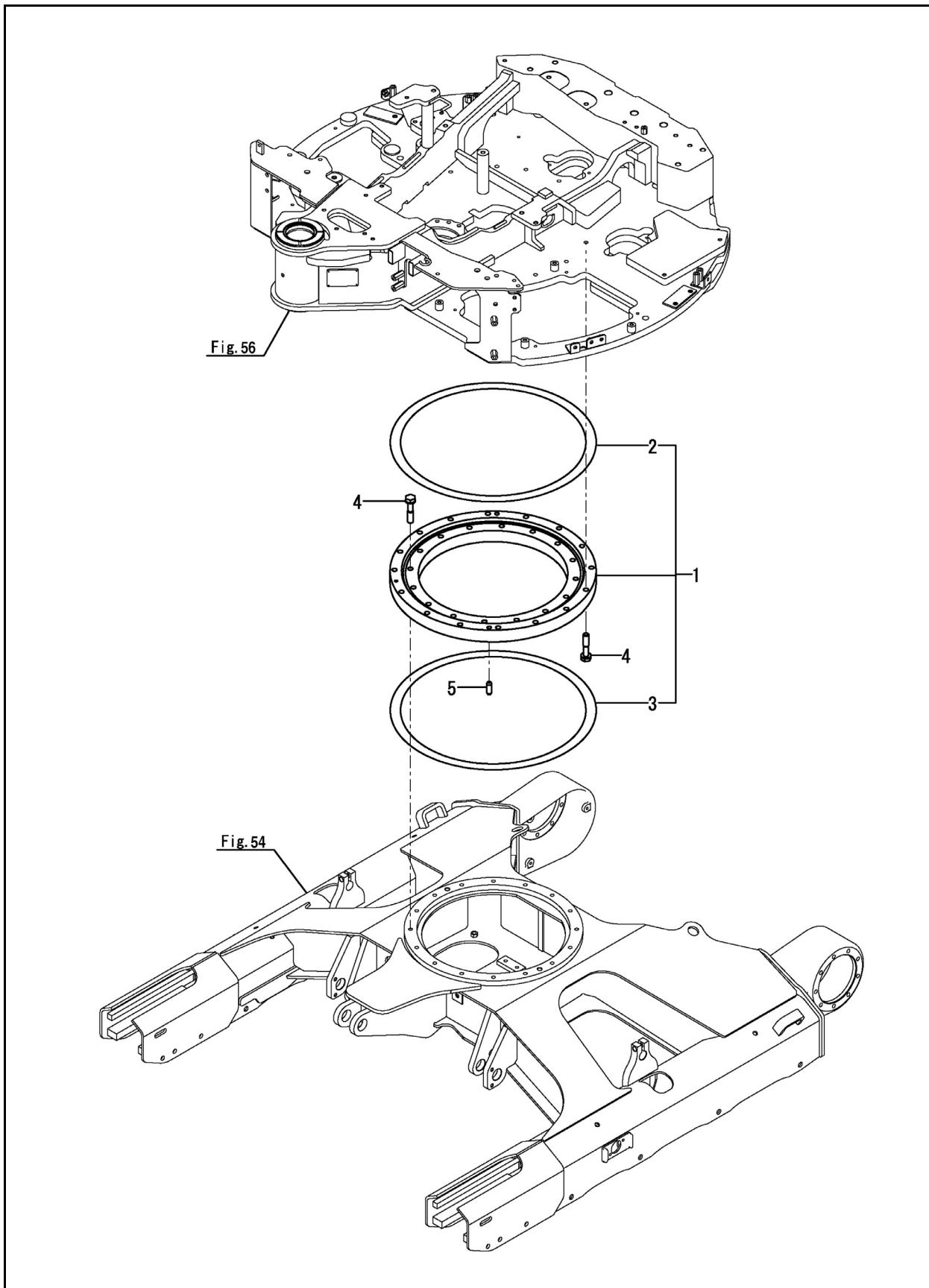
**Z35 GEN:2 - COMPACT EXCAVATOR**  
**FIG. 56 - TURNING FRAME**

Ref.

No.	Part No.	Description	Qty.
3	50287646	BUSH, 90X85	2
4	50287127	DUST SEAL 90X105X6	2
5	50287647	MOUNT ASSY, FRAME	1
6	50282526	BOLT M12X 40	2

# Z35 GEN:2 - COMPACT EXCAVATOR

## FIG. 57 - TURNING BEARING



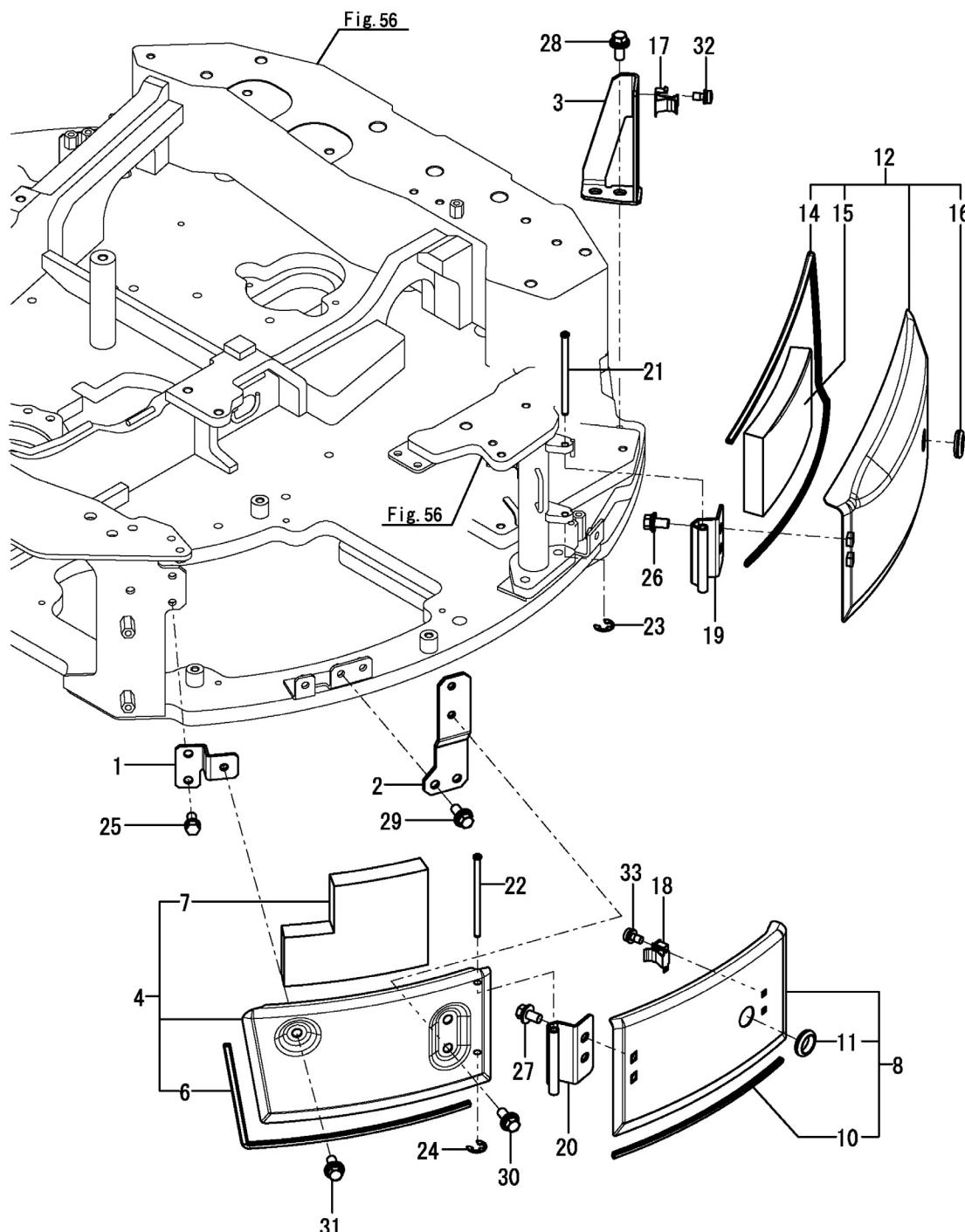
**Z35 GEN:2 - COMPACT EXCAVATOR**  
**FIG. 57 - TURNING BEARING**

Ref.

No.	Part No.	Description	Qty.
1	50284348	BEARING, SWING	1
2	50284193	SEAL, UPPER	1
3	50284194	SEAL, LOWER	1
4	50284549	BOLT 14X65	32
5	50282703	PARALLEL PIN 13X36	4

# Z35 GEN:2 - COMPACT EXCAVATOR

## FIG. 58 - COVER (MULTI)



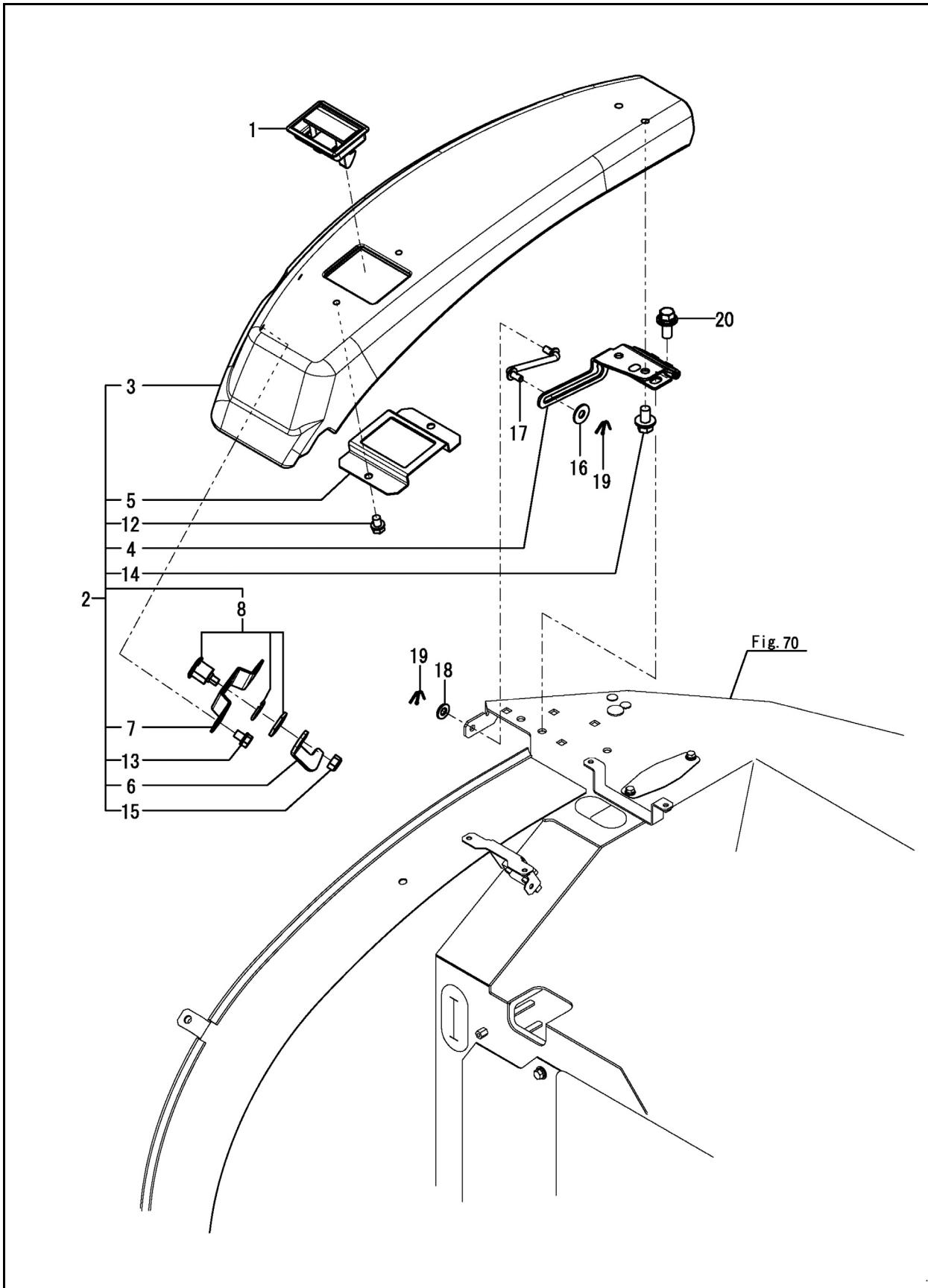
**Z35 GEN:2 - COMPACT EXCAVATOR**  
**FIG. 58 - COVER (MULTI)**

Ref.

No.	Part No.	Description	Qty.
1	50287649	STAY ASSY,MULTI A A	1
2	50287650	STAY ASSY,MULTI A B	1
3	50287651	STAY,ROD HOLDER	1
4	50287653	COVER ASSY,MULTI A	1
6	50287669	SEAL,MULTI A	1
7	50287672	SPONGE,MULTI A	1
8	50287656	COVER ASSY, MULTI B	1
10	50287670	SEAL,MULTI B	1
11	50280805	GROMMET	1
12	50287659	COVER ASSY,MULTI C	1
14	50287671	SEAL,MULTI C	1
15	50287673	SPONGE,MULTI C	1
16	50280805	GROMMET	1
17	50282360	HOLDER	1
18	50282360	HOLDER	1
19	50287674	HINGE ASSY,MULTI	1
20	50287674	HINGE ASSY,MULTI	1
21	50287103	SHAFT,HINGE	1
22	50287103	SHAFT,HINGE	1
23	176152	CIRCLIP E-7	1
24	176152	CIRCLIP E-7	1
25	50282515	BOLT W/WASHER M10X20	2
26	50282538	BOLT M10X 20	2
27	50282538	BOLT M10X 20	2
28	50282539	BOLT 10X25 W/PLW+SPW	2
29	50282539	BOLT 10X25 W/PLW+SPW	2
30	50282539	BOLT 10X25 W/PLW+SPW	2
31	50282539	BOLT 10X25 W/PLW+SPW	1
32	50282543	SCREW M 5X 10	2
33	50282543	SCREW M 5X 10	2

# Z35 GEN:2 - COMPACT EXCAVATOR

## FIG. 60 - COVER (UPPER)



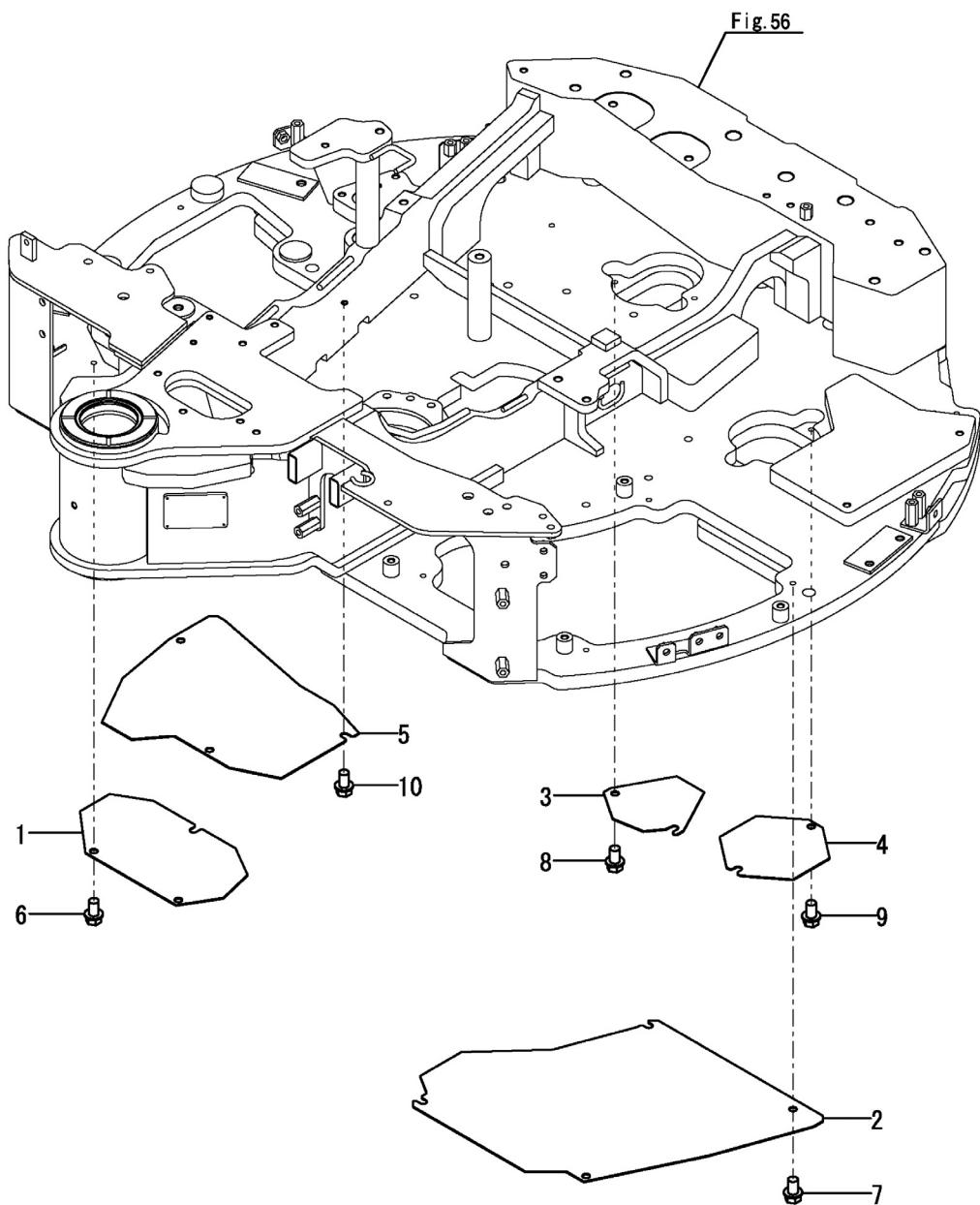
**Z35 GEN:2 - COMPACT EXCAVATOR**  
**FIG. 60 - COVER (UPPER)**

Ref.

No.	Part No.	Description	Qty.
1	50280945	HANDLE, LOCK	1
2	50288059	COVER ASSY, B GEHL	1
3	50288060	COVER, B GEHL	1
4	50287676	HINGE ASSY, COVER B	1
5	50284574	STAY,CATCH	1
6	50287679	STAY,KEY	1
7	50287680	LOCK,PLATE	1
8	50287772	CYLINDER ASSY, KEY	1
12	50282505	BOLT M 8X 12	2
13	50282505	BOLT M 8X 12	2
14	50282538	BOLT M10X 20	2
15	50282576	U-NUT M10	1
16	50282361	WASHER	1
17	50281051	ROD,STOPPER	1
18	50282380	WASHER 8, POLISHED	1
19	50282418	COTTER PIN 2.0X20	2
20	50282539	BOLT 10X25 W/PLW+SPW	2

# Z35 GEN:2 - COMPACT EXCAVATOR

## FIG. 61 - COVER (TURNING FRAME)



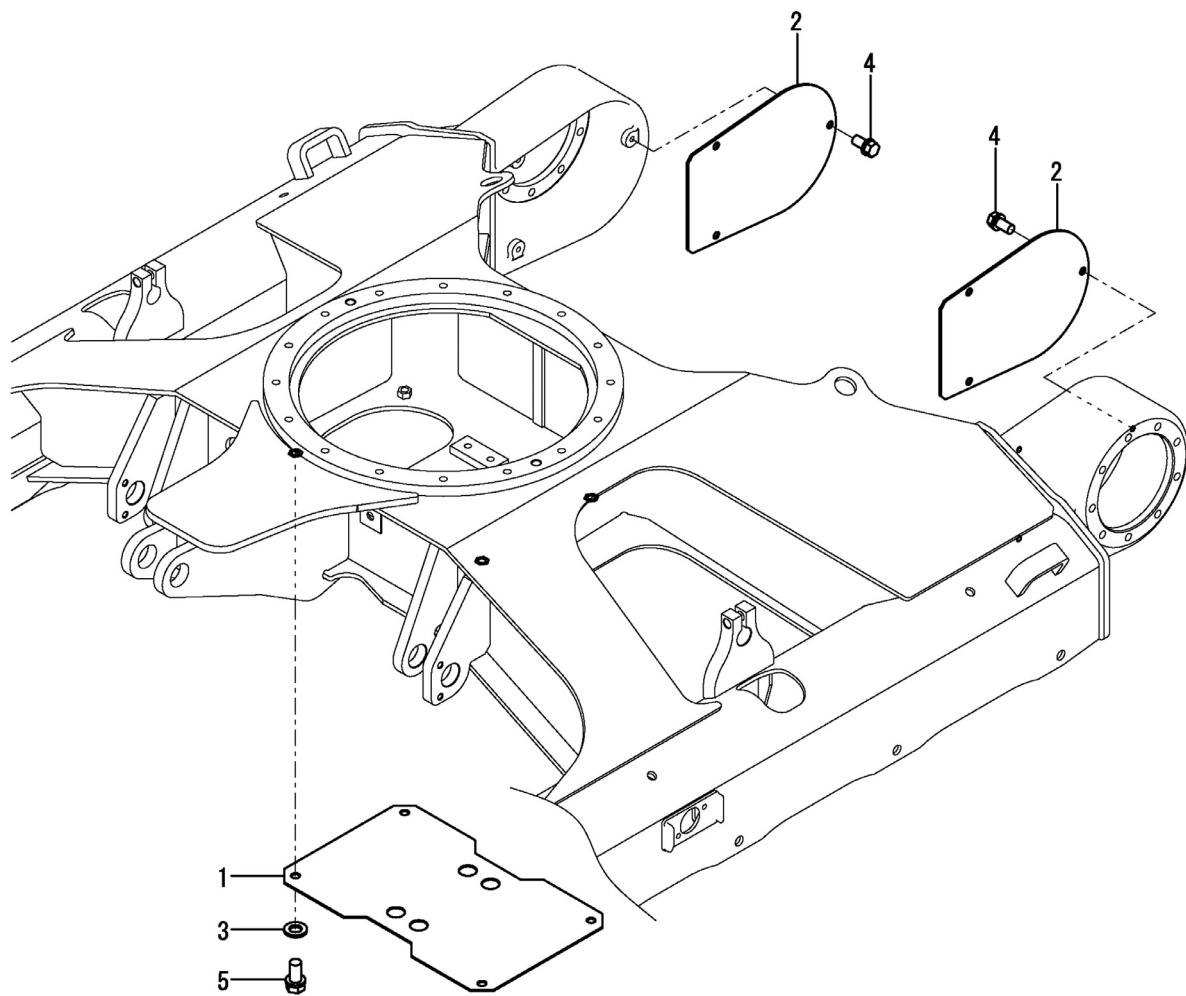
**Z35 GEN:2 - COMPACT EXCAVATOR**  
**FIG. 61 - COVER (TURNING FRAME)**

Ref.

No.	Part No.	Description	Qty.
1	50287664	COVER,FO	1
2	50287665	COVER,VALVE STAND	1
3	50287666	COVER,OILPAN	1
4	50287667	COVER,PUMP	1
5	50287668	COVER,RESERVOIR	1
6	186619	BOLT M10X 16 PLATED	3
7	186619	BOLT M10X 16 PLATED	4
8	186619	BOLT M10X 16 PLATED	2
9	186619	BOLT M10X 16 PLATED	2
10	186619	BOLT M10X 16 PLATED	3

# Z35 GEN:2 - COMPACT EXCAVATOR

## FIG. 62 - COVER (TRACK FRAME)



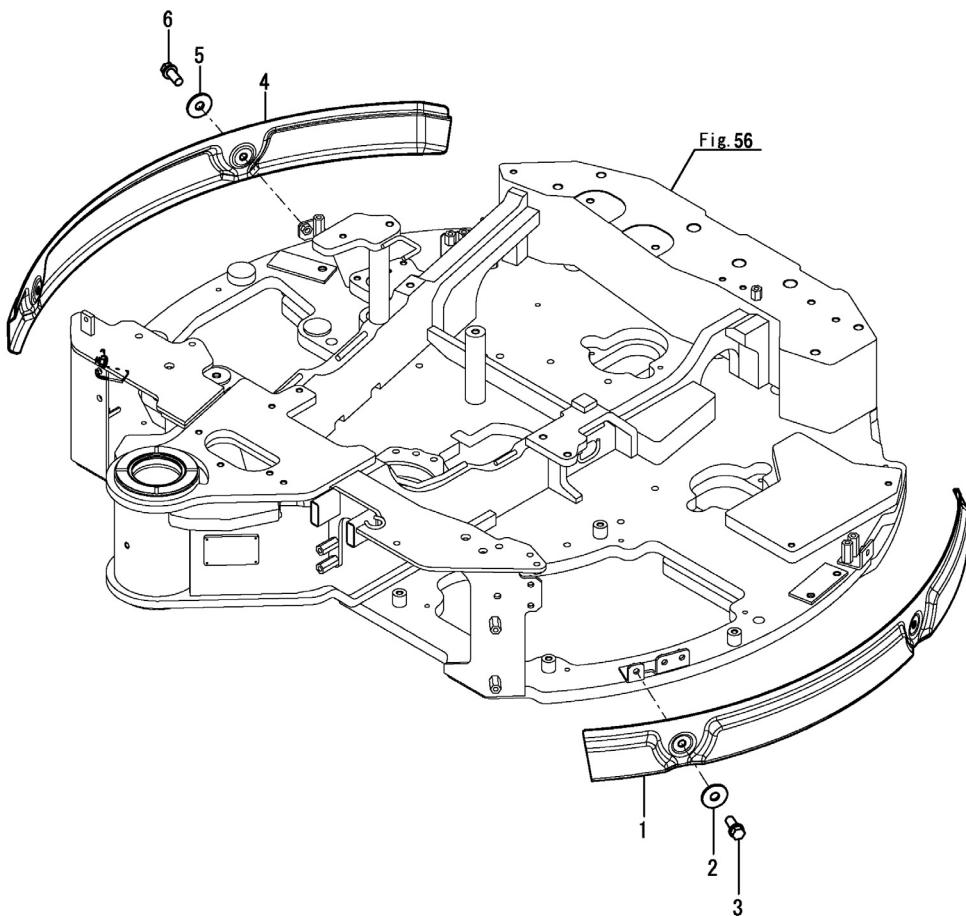
**Z35 GEN:2 - COMPACT EXCAVATOR**  
**FIG. 62 - COVER (TRACK FRAME)**

Ref.

No.	Part No.	Description	Qty.
1	50287641	COVER, UNDER	1
2	50284565	COVER, TRAVEL	2
3	50284041	WASHER 12,POLISHED	4
4	50282515	BOLT W/WASHER M10X20	6
5	50284101	BOLT M12 X 25	4

# Z35 GEN:2 - COMPACT EXCAVATOR

## FIG. 63 - GUARD (FRAME)



**Z35 GEN:2 - COMPACT EXCAVATOR**  
**FIG. 63 - GUARD (FRAME)**

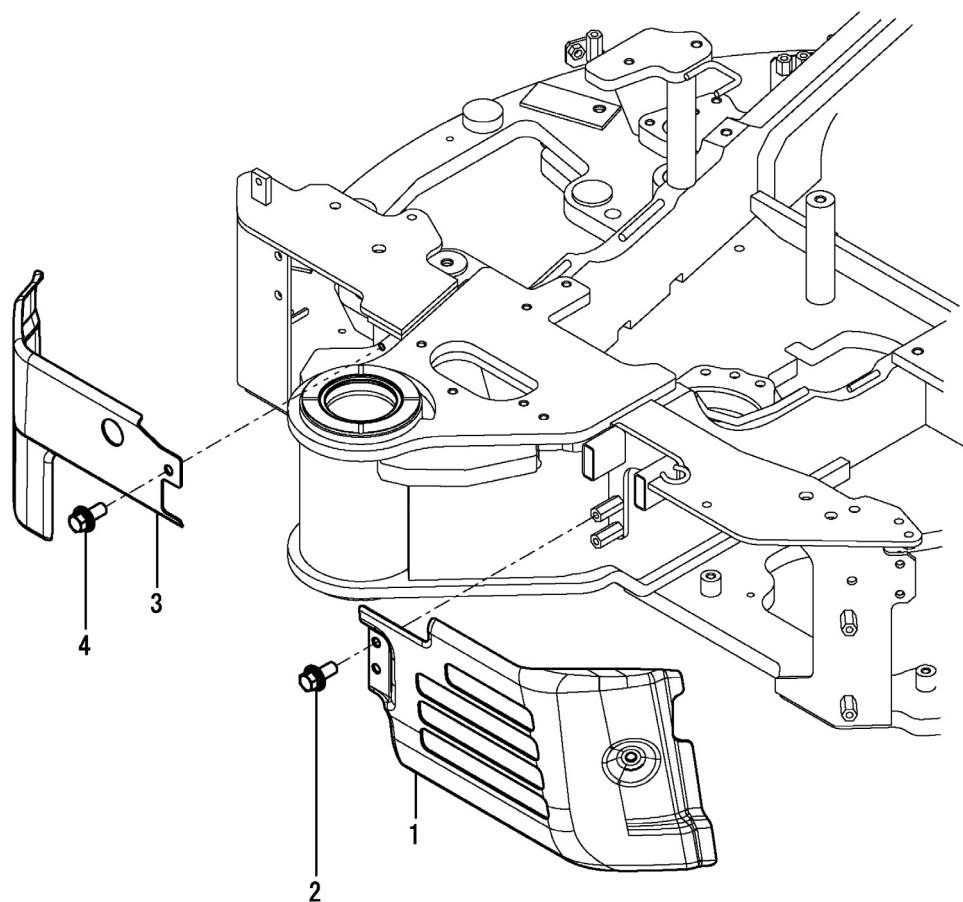
Ref.

No.	Part No.	Description	Qty.
1	50287648	GUARD, FRAME L (replacement also requires label 1A)	1
1A	50281023	LABEL, GREASE CYL. *	1
2	50282387	WASHER 10	2
3	50282516	BOLT W/WASHER M10X25	2
4	50287652	GUARD, FRAME R (replacement also requires label 4A)	1
4A	50281023	LABEL, GREASE CYL. *	1
5	50282387	WASHER 10	2
6	50282516	BOLT W/WASHER M10X25	2

NOTE: \* Label shown on Page 4

# Z35 GEN:2 - COMPACT EXCAVATOR

## FIG. 64 - COVER (FRAME FRONT)



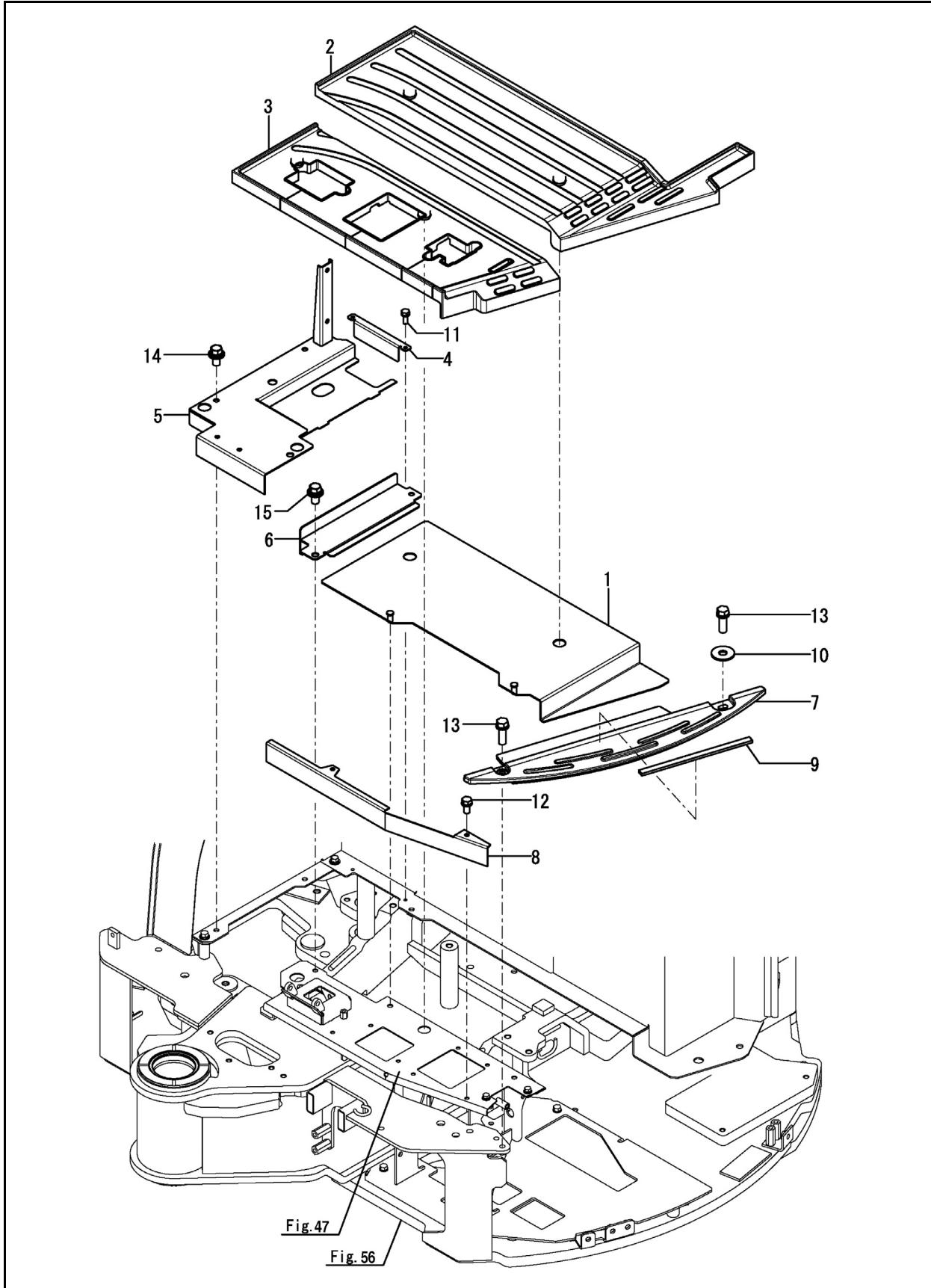
**Z35 GEN:2 - COMPACT EXCAVATOR**  
**FIG. 64 - COVER (FRAME FRONT)**

Ref.

No.	Part No.	Description	Qty.
1	50287662	COVER,L T/F	1
2	50282539	BOLT 10X25 W/PLW+SPW	3
3	50287663	COVER,R T/F	1
4	50282539	BOLT 10X25 W/PLW+SPW	2

# Z35 GEN:2 - COMPACT EXCAVATOR

## FIG. 65 - STEP (CABIN)



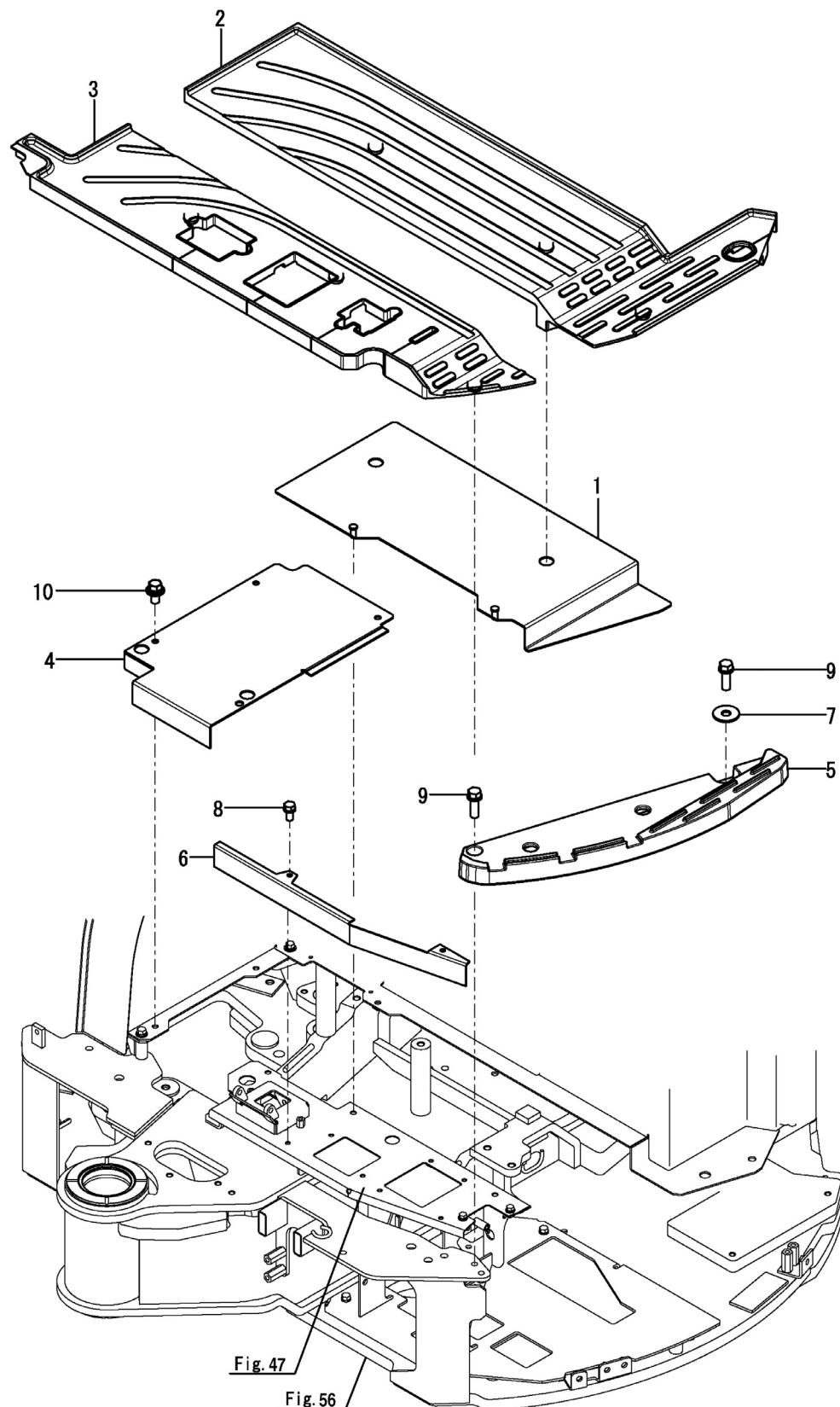
**Z35 GEN:2 - COMPACT EXCAVATOR**  
**FIG. 65 - STEP (CABIN)**

Ref.

No.	Part No.	Description	Qty.
1	50287681	STEP ASSY	1
2	50287684	FLOOR MAT, A CAB	1
3	50287685	FLOOR MAT, B CAB EX	1
4	50287686	PLATE, PARTITION	1
5	50287687	STEP ASSY, R CAB	1
6	50287689	COVER ASSY, STEP CAB	1
7	50287691	STEP, NON-SLIP C	1
8	50287692	COVER , F CAB-4P	1
9	50287151	SEAT,NON SLIP	1
10	50282387	WASHER 10	1
11	50282502	BOLT M 6X 16	2
12	50282506	BOLT W/WASHER M8X16	2
13	50282517	BOLT M10X 30	2
14	50282538	BOLT M10X 20	3
15	50282538	BOLT M10X 20	2

# Z35 GEN:2 - COMPACT EXCAVATOR

## FIG. 66 - STEP (CANOPY)



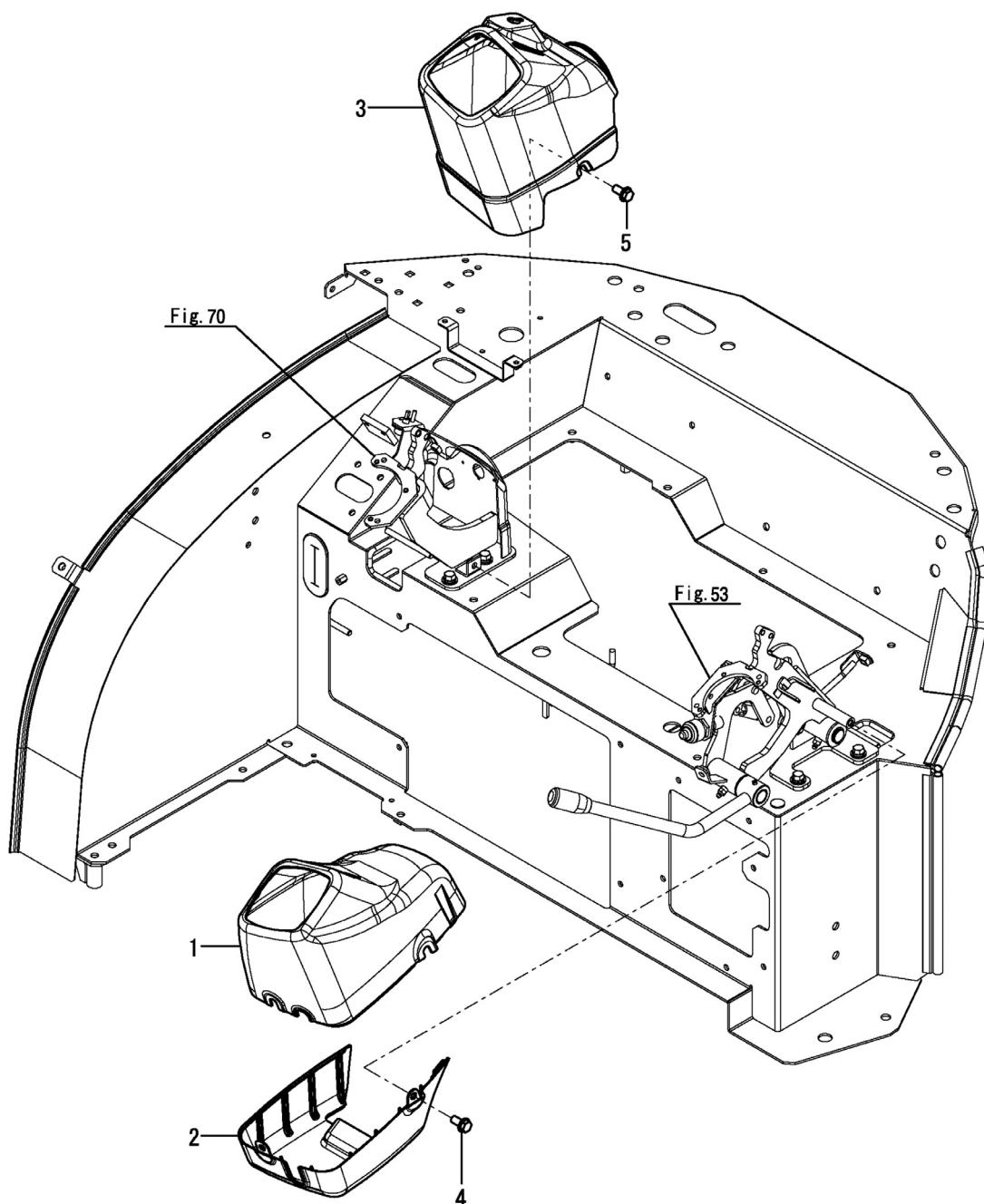
**Z35 GEN:2 - COMPACT EXCAVATOR**  
**FIG. 66 - STEP (CANOPY)**

Ref.

No.	Part No.	Description	Qty.
1	50287681	STEP ASSY	1
2	50287682	FLOOR MAT, A P	1
3	50287683	FLOOR MAT, B 4P EX	1
4	50287688	STEP ASSY, R 4P	1
5	50287690	STEP, NON-SLIP P	1
6	50287692	COVER , F CAB-4P	1
7	50282387	WASHER 10	1
8	50282506	BOLT W/WASHER M8X16	2
9	50282517	BOLT M10X 30	2
10	50282538	BOLT M10X 20	4

# Z35 GEN:2 - COMPACT EXCAVATOR

## FIG. 67 - COVER (LEVER)



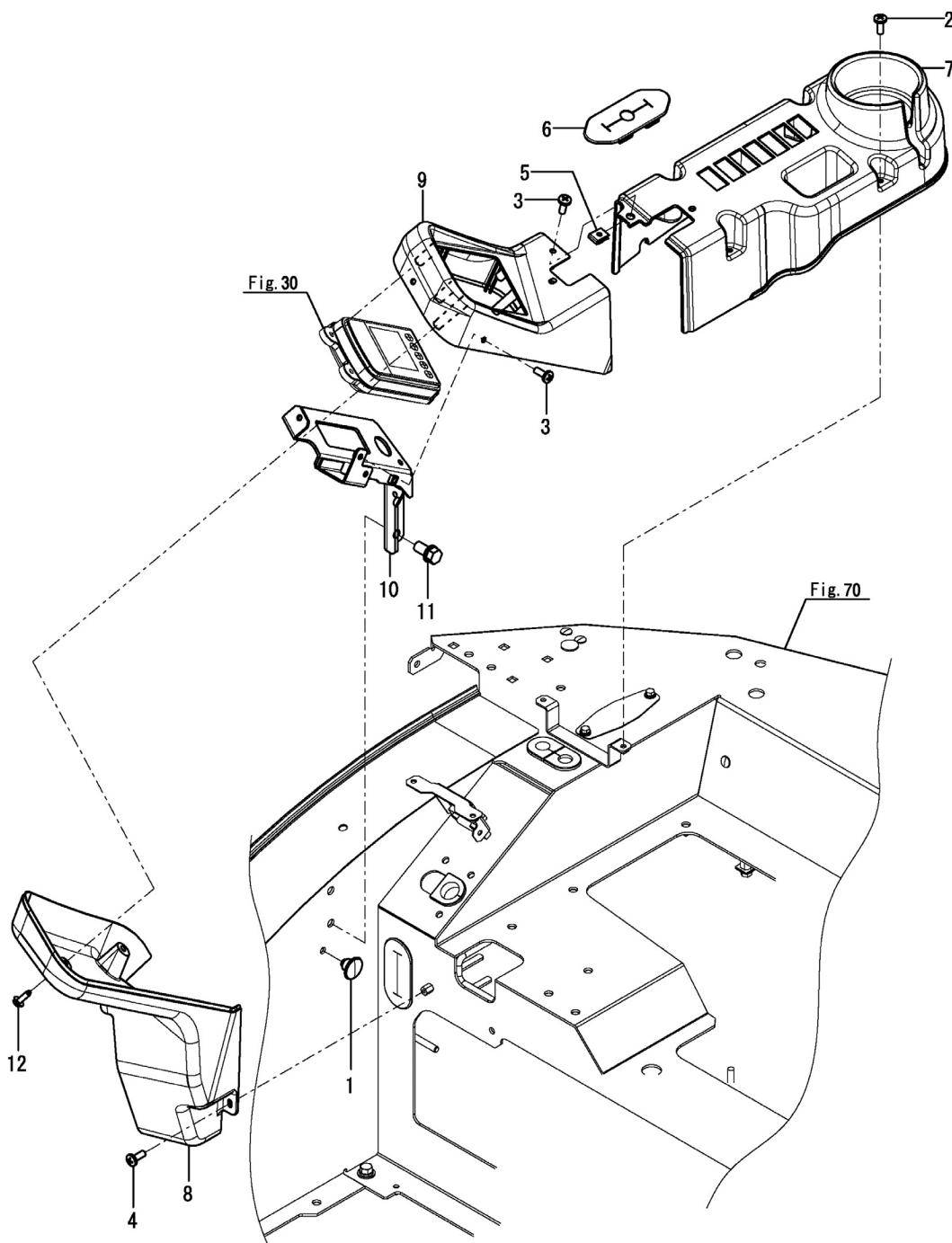
**Z35 GEN:2 - COMPACT EXCAVATOR**  
**FIG. 67 - COVER (LEVER)**

Ref.

No.	Part No.	Description	Qty.
1	50287694	COVER, LEVER L UP	1
2	50287695	COVER, LEVER L LOW	1
3	50287696	COVER, LEVER R	1
4	50281318	BOLT 8X 16	3
5	50281318	BOLT 8X 16	2

# Z35 GEN:2 - COMPACT EXCAVATOR

## FIG. 68 - COVER (MONITOR) CANOPY



**Z35 GEN:2 - COMPACT EXCAVATOR**  
**FIG. 68 - COVER (MONITOR) CANOPY**

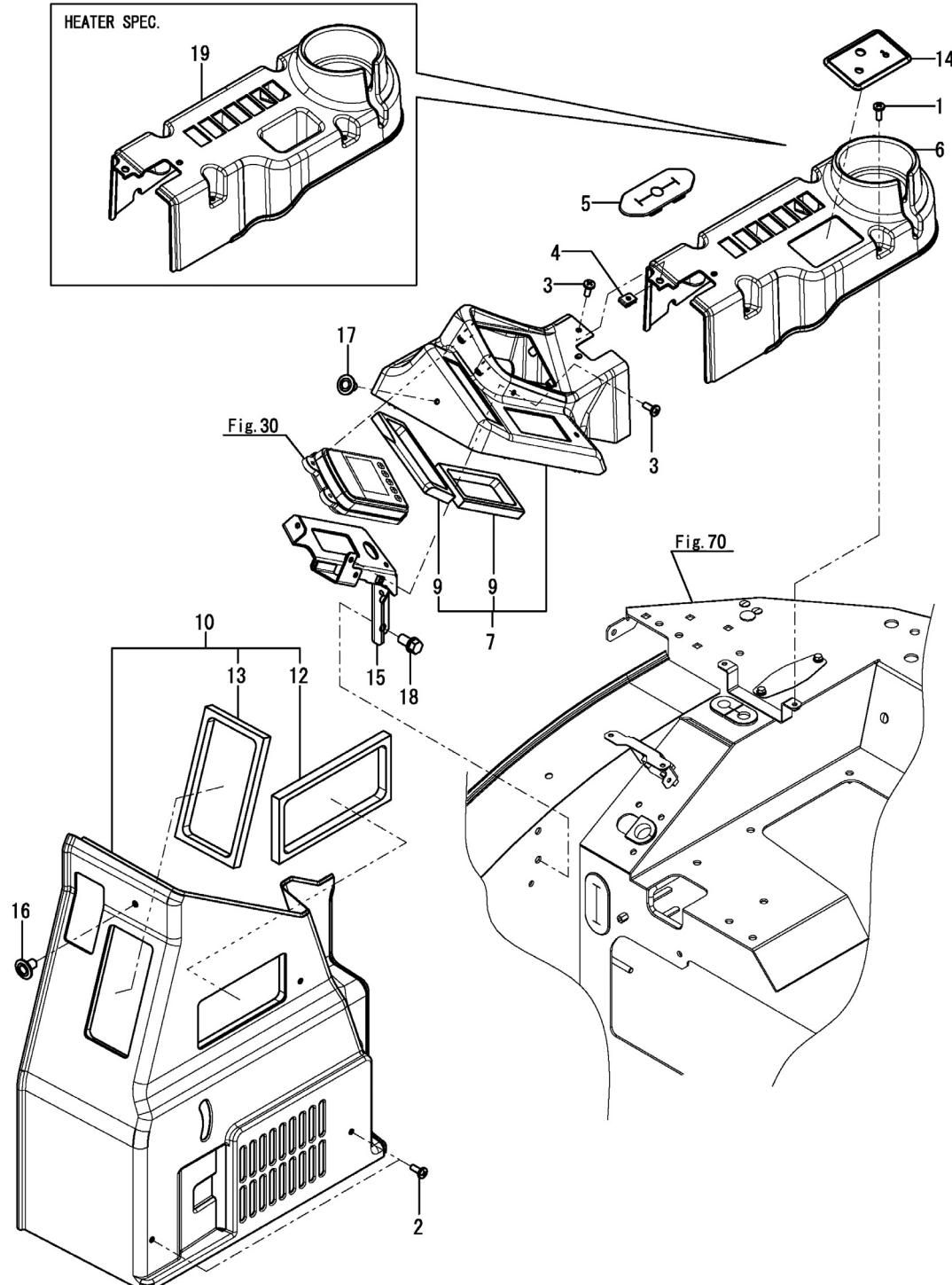
Ref.

No.	Part No.	Description	Qty.
1	50281050	CLIP	1
2	50280804	SCREW	4
3	50280804	SCREW	3
4	50280804	SCREW	1
5	50288094	NUT, SPEED	1
6	50287693	GROMMET, BLADE	1
7	50287698	COVER, SWITCH P (replacement also requires label 7A)	1
7A	50281027	LABEL, RADIATOR US *	1
8	50287699	COVER, INPANE LOW-P	1
9	50287702	COVER, INPANE UP-P	1
10	50287710	STAY ASSY, INPANE	1
11	50282515	BOLT W/WASHER M10X20	2
12	50288179	SCREW	2

NOTE: \* Label shown on Page 8, Page 10

# Z35 GEN:2 - COMPACT EXCAVATOR

## FIG. 69 - COVER (MONITOR) CABIN



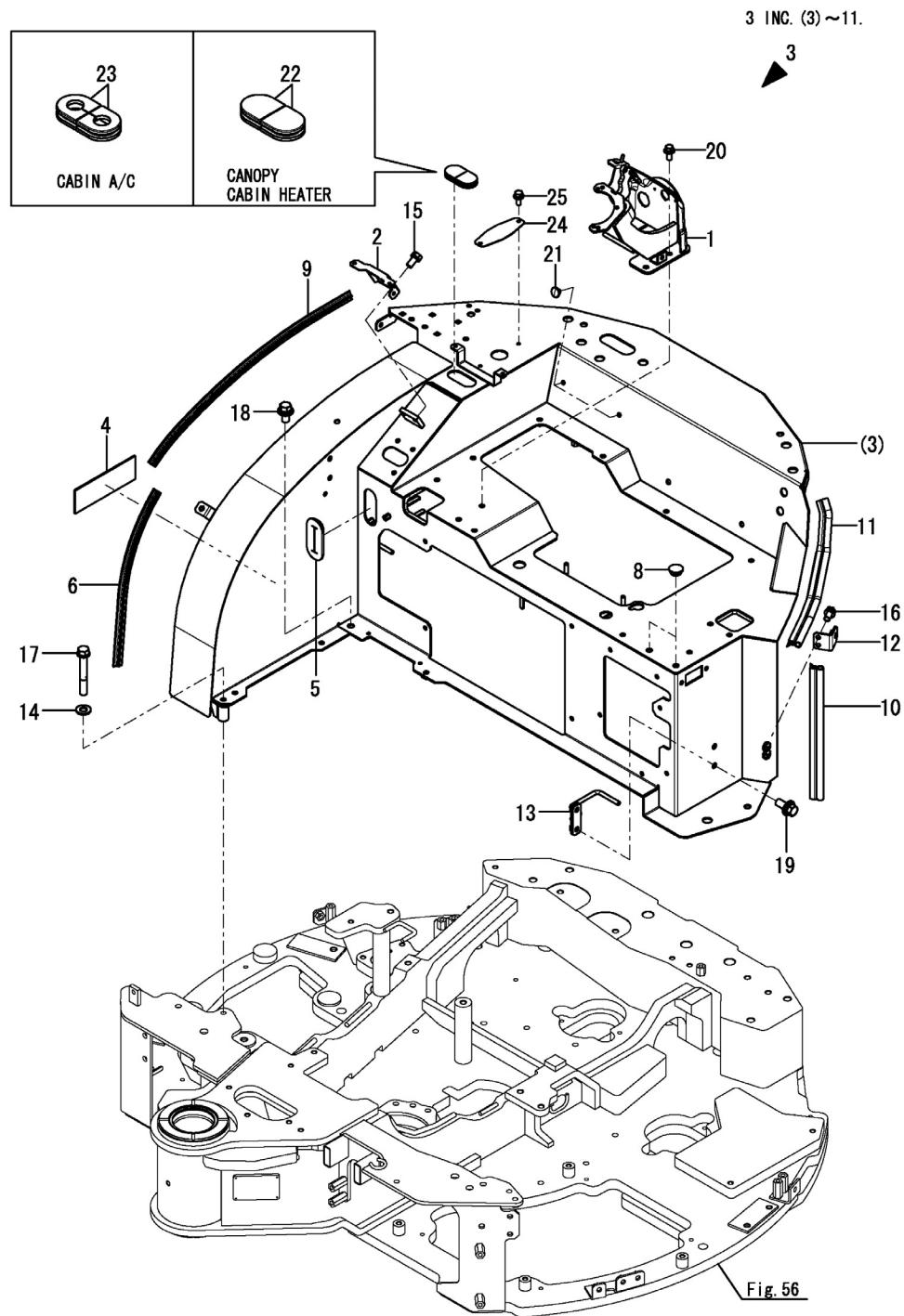
**Z35 GEN:2 - COMPACT EXCAVATOR**  
**FIG. 69 - COVER (MONITOR) CABIN**

Ref.	No.	Part No.	Description	Qty.
	1	50280804	SCREW	4
	2	50280804	SCREW	2
	3	50280804	SCREW	2
	4	50288094	NUT, SPEED	1
	5	50287693	GROMMET, BLADE	1
	6	50287697	COVER, SWITCH C	1
	7	50287700	COVER ASSY, INPANE C	1
	9	50287703	SEAL, DUCT UP	2
	10	50287704	COVER ASSY, AC (replacement also requires label 13A)	1
	12	50287706	SEAL, DUCT SIDE	1
	13	50282366	SEAL, DUCT SIDE	1
	13A	50281019	LABEL, MANUAL US *	1
	14	50287707	PANEL, AC	1
	15	50287710	STAY ASSY, INPANE	1
	16	50288114	RIVET	2
	17	50288114	RIVET	2
	18	50282515	BOLT W/WASHER M10X20	2
	19	50287698	COVER, SWITCH P	1

NOTE: \* Label shown on Page 8, Page 10

# Z35 GEN:2 - COMPACT EXCAVATOR

## FIG. 70 - SEAT MOUNT



**Z35 GEN:2 - COMPACT EXCAVATOR**  
**FIG. 70 - SEAT MOUNT**

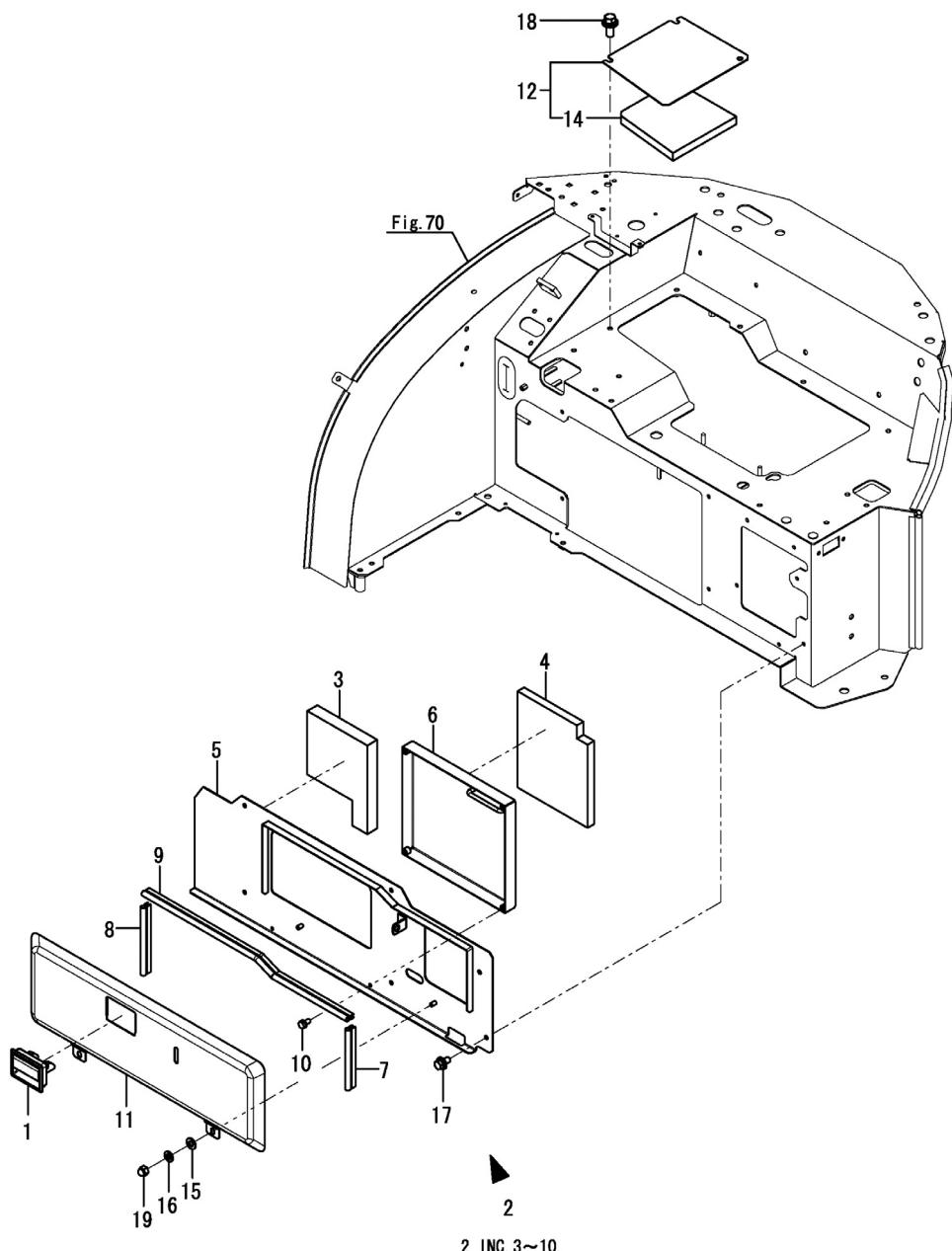
**Ref.**

No.	Part No.	Description	Qty.
1	50287638	STAND ASSY, LEVER R	1
2	50287708	STAY ASSY, COVER	1
3	50287718	MOUNT ASSY, SEAT (replacement also requires label 11A)	1
4	50281058	RUBBER PLATE	1
5	50287709	GROMMET, CABLE	1
6	50287717	RUBBER, SEAL 420	1
8	50280948	PLUG	2
9	50287149	RUBBER SEAL 625	1
10	50287086	RUBBER 340, SEAL	1
11	50287087	RUBBER, SEAL	1
11A	50281019	LABEL, MANUAL US (w/ canopy) *	1
12	50287720	STAY ASSY, BONNET L	1
13	50287904	GUIDE ASSY, HOSE	1
14	138111	WASHER/POLISHED	1
15	50282506	BOLT W/WASHER M8X16	2
16	50282506	BOLT W/WASHER M8X16	2
17	50282523	BOLT 10X70 W/SP.WSHR	1
18	50282538	BOLT M10X 20	1
19	50282539	BOLT 10X25 W/PLW+SPW	2
20	50282539	BOLT 10X25 W/PLW+SPW	3
21	50281050	CLIP	2
22	50287090	GROMMET	2
23	50287147	GROMMET 16X20X4.5 (w/ cabin)	2
24	50287737	PLATE, COVER	1
25	50282531	BOLT M 6X 16	2

NOTE: \* Label shown on Page 8

# Z35 GEN:2 - COMPACT EXCAVATOR

## FIG. 71 - SEAT MOUNT (COVER)



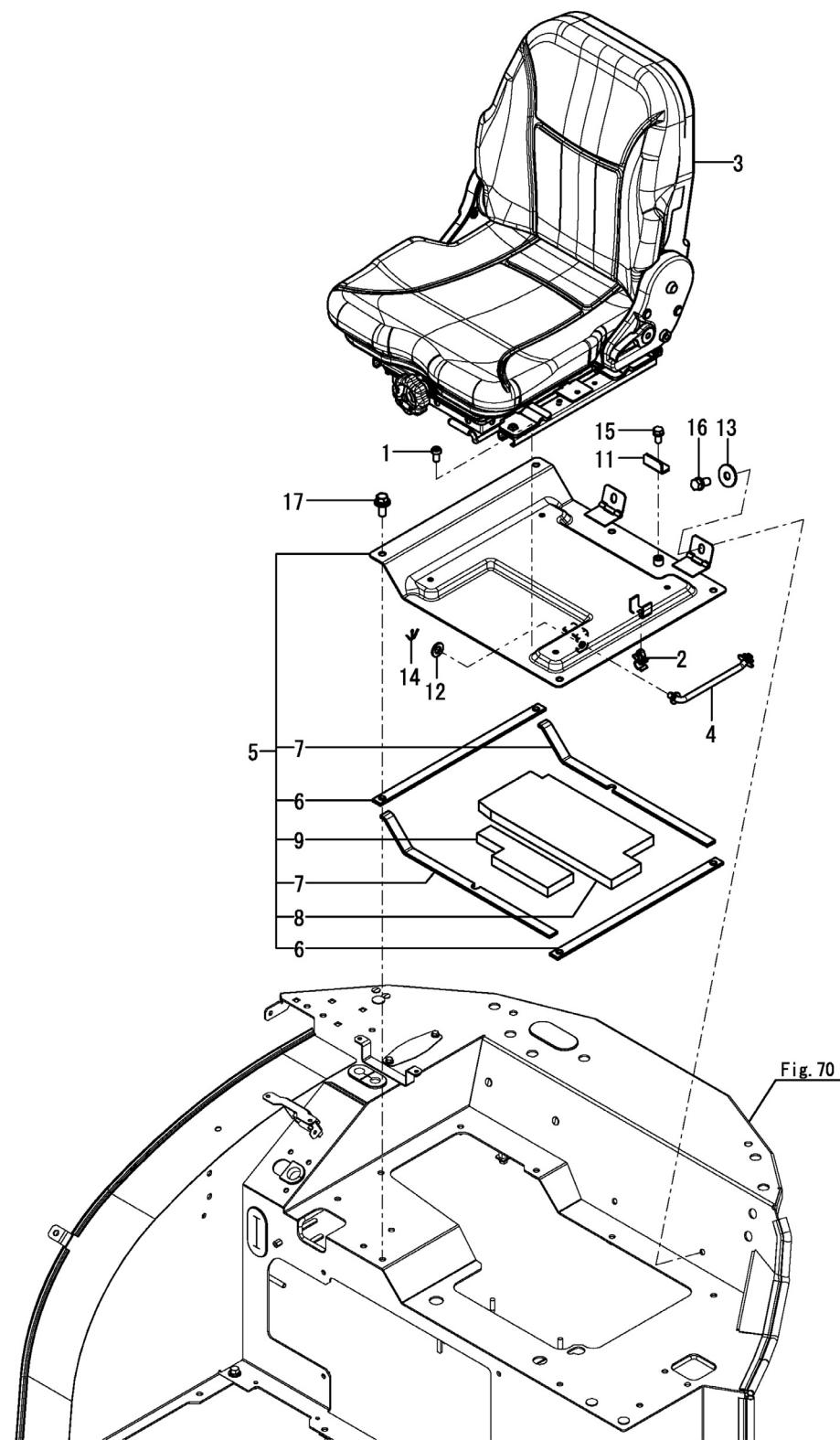
**Z35 GEN:2 - COMPACT EXCAVATOR**  
**FIG. 71 - SEAT MOUNT (COVER)**

Ref.	No.	Part No.	Description	Qty.
1	50280945	HANDLE, LOCK		1
2	50287721	COVER ASSY, MANUAL A		1
3	50287715	SPONGE, COVER A		1
4	50287716	SPONGE, COVER B		1
5	50287722	COVER ASSY, MANUAL A		1
6	50287723	BOX ASSY, MANUAL		1
7	50287728	SEAL, 155		1
8	50287729	SEAL, 175		1
9	50285594	SEAL,600		1
10	50282501	BOLT M 6X 12		4
11	50287724	COVER ASSY, MANUAL B (replacement also requires labels 11A, 11B, 11C, 11D)		1
11A	50281172	LABEL, SUPPORT US *		1
11B	50287430	LABEL,SEAT TILT UP *		1
11C	50281030	LABEL, STEERING US (w/ cabin) *		
11D	50281037	LABEL, 2-WAY US *		1
12	50287725	COVER ASSY, ENG (replacement also requires labels 14A, 14B)		1
14	50287727	SPONGE, ENG		1
14A	50281020	LABEL,SLOPE US *		1
14B	50281033	LABEL, LEVER LOCK US *		1
15	50282380	WASHER 8, POLISHED		2
16	50282392	WASHER, 8		2
17	50282533	BOLT M 8X 16		6
18	50282539	BOLT 10X25 W/PLW+SPW		2
19	50288184	NUT, CAP		2

NOTE: Labels shown on Page 8 and Page 10

# Z35 GEN:2 - COMPACT EXCAVATOR

## FIG. 72 - SEAT



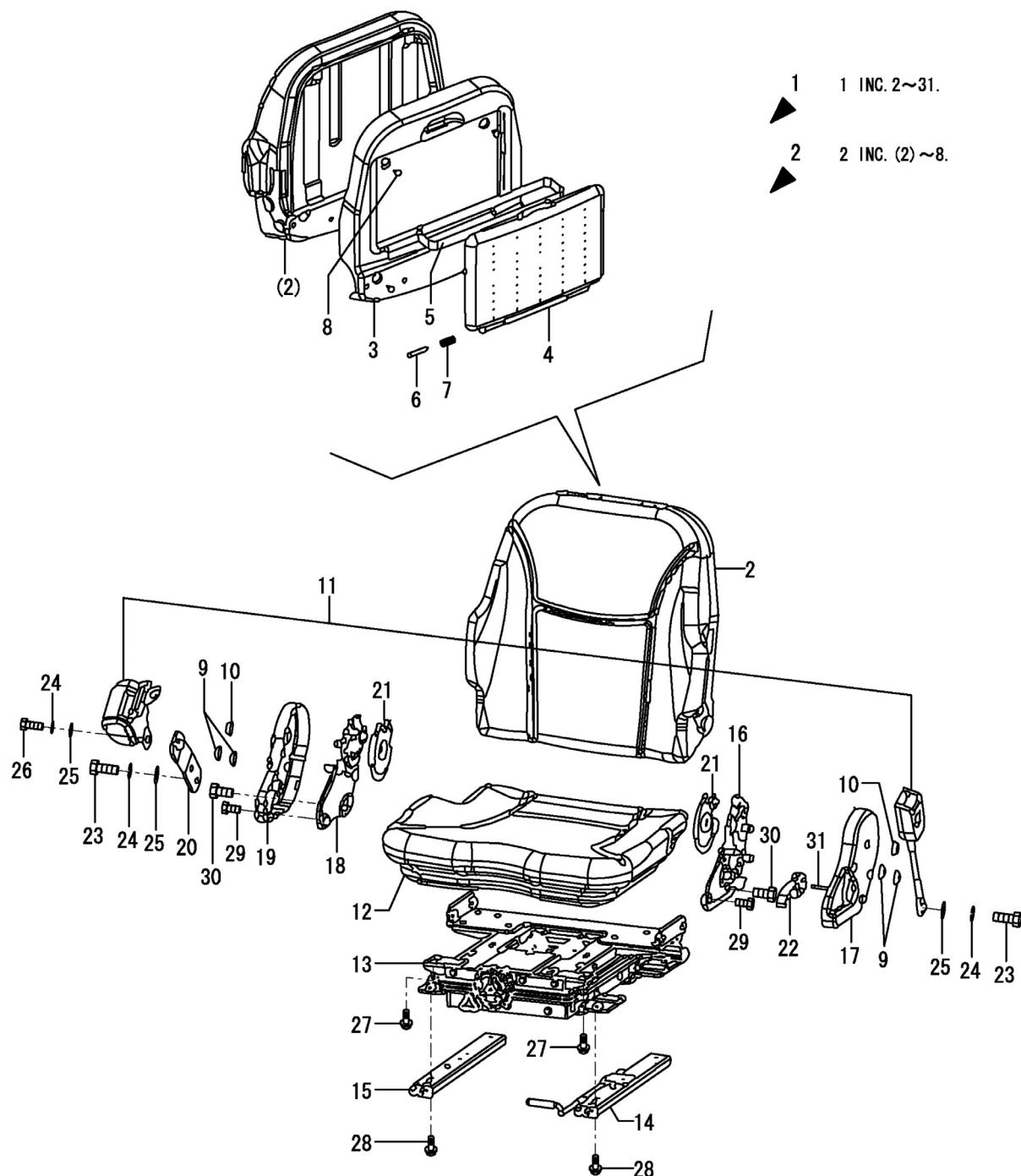
**Z35 GEN:2 - COMPACT EXCAVATOR**  
**FIG. 72 - SEAT**

**Ref.**

No.	Part No.	Description	Qty.
1	50287122	BOLT M 8X 16	4
2	50288109	HOLDER, ROD	1
3	50287212	SEAT ASSY,SUS	1
4	Order 4-1	ROD ASSY, STOPPER (SN M00731 and Before)	1
4-1	50287733	ROD ASSY, STOPPER (SN M00732 and Up)	1
5	50287734	PLATE ASSY, SEAT SUS	1
6	50287711	SEAL, SEAT A	2
7	50287712	SEAL, SEAT B	2
8	50287713	SPONGE, SEAT SUS A	1
9	50287714	SPONGE, SEAT SUS B	1
11	50287736	PLATE, STOPPER	1
12	138111	WASHER/POLISHED	1
13	50282387	WASHER 10	2
14	50282418	COTTER PIN 2.0X20	1
15	50282506	BOLT W/WASHER M8X16	1
16	50282515	BOLT W/WASHER M10X20	2
17	50282539	BOLT 10X25 W/PLW+SPW	5

# Z35 GEN:2 - COMPACT EXCAVATOR

## FIG. 73 - SEAT (INNER PARTS)



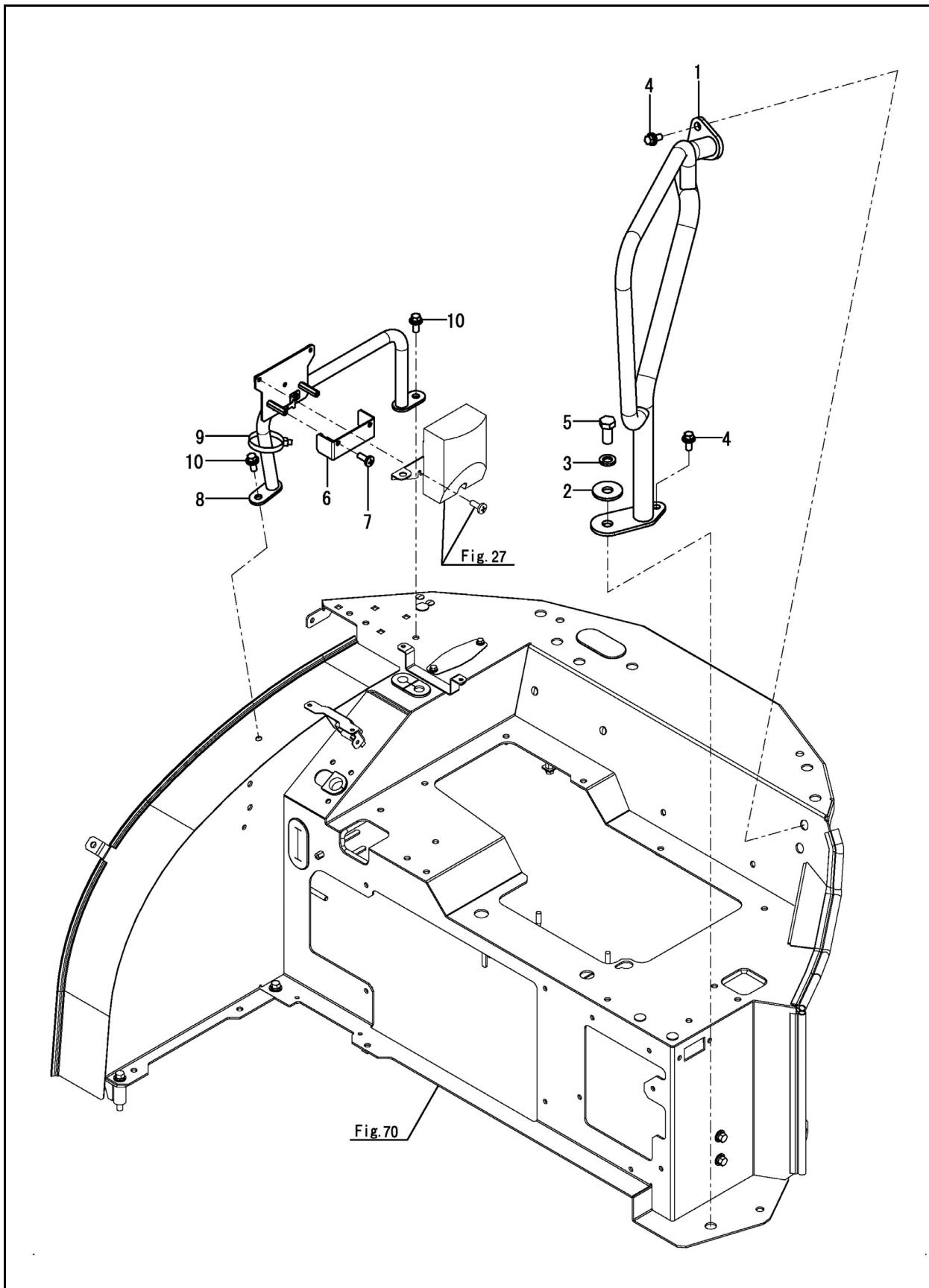
**Z35 GEN:2 - COMPACT EXCAVATOR**  
**FIG. 73 - SEAT (INNER PARTS)**

Ref.

No.	Part No.	Description	Qty.
1	50287212	SEAT ASSY,SUS	1
2	50287208	SEAT ASSY, BACK	1
3	50287209	BOX ASSY	1
4	N/A	COVER	1
5	N/A	BAND	1
6	N/A	PIN	1
7	N/A	SPRING	1
8	50288153	SCREW	4
9	50287210	CAP, B	4
10	50287211	CAP, C	2
11	50287186	BELT ASSY, SEAT	1
	50301910	KIT/3 INCH SEAT BELT (option)	1
12	50287187	SEAT, CUSHION	1
13	50287188	SEAT, SPRING	1
14	50287189	RAIL ASSY	1
15	50287190	RAIL ASSY	1
16	50287191	HINGE ASSY	1
17	50287192	COVER	1
18	50287193	HINGE ASSY	1
19	50287194	COVER	1
20	50287195	BRACKET ASSY	1
21	50287196	COVER	2
22	50287197	LEVER	1
23	50287198	BOLT	2
24	50287199	SPRING	3
25	50287200	WASHER	3
26	50287201	BOLT	1
27	425-34733	BOLT M8 X 16 PLATED	4
28	425-34733	BOLT M8 X 16 PLATED	4
29	186619	BOLT M10X 16 PLATED	6
30	425-35772	BOLT M10 X 25 PLATED	2
31	50288181	SCREW	1

# Z35 GEN:2 - COMPACT EXCAVATOR

## FIG. 74 - HANDRAIL (CANOPY)



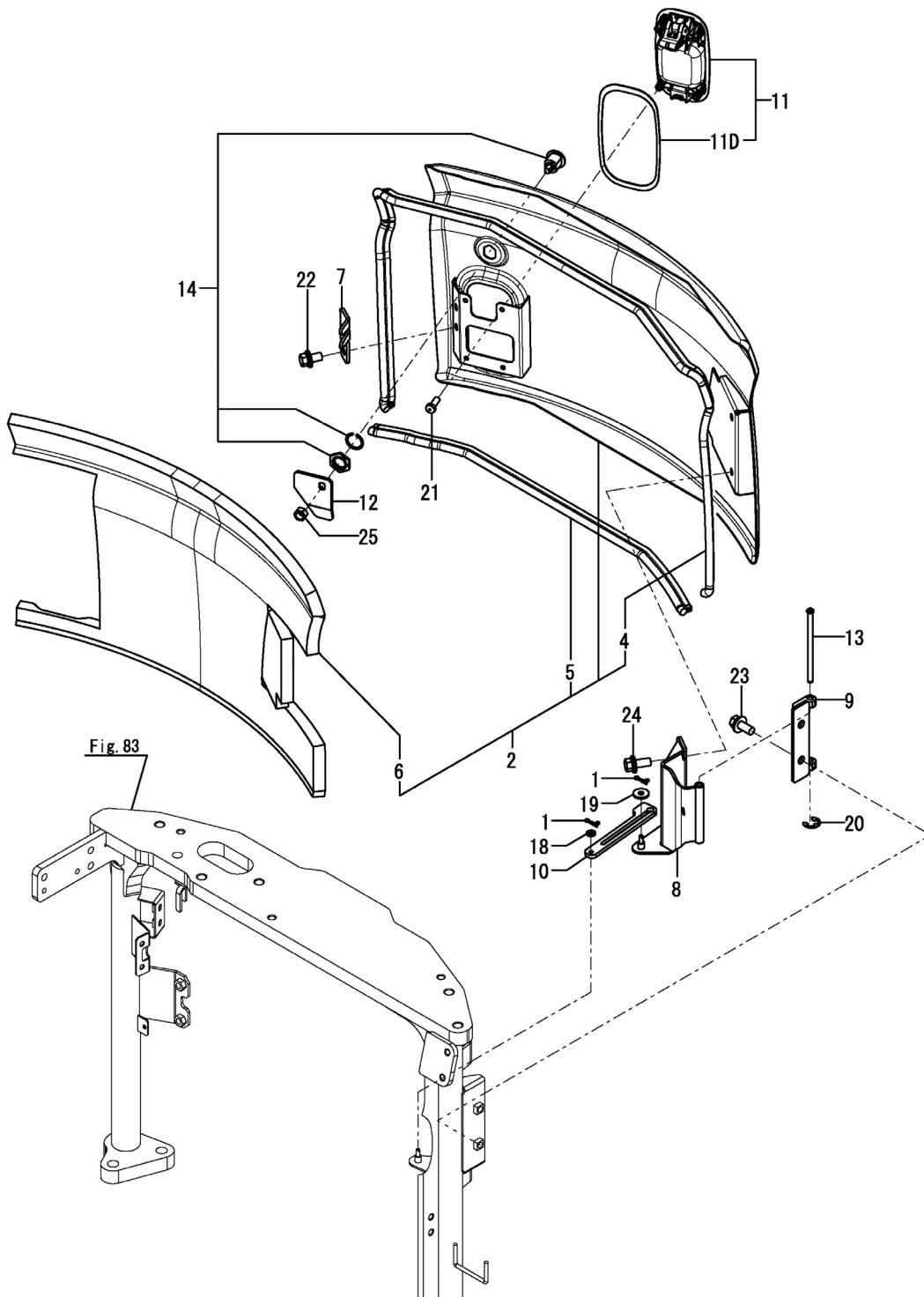
**Z35 GEN:2 - COMPACT EXCAVATOR**  
**FIG. 74 - HANDRAIL (CANOPY)**

Ref.

No.	Part No.	Description	Qty.
1	50287730	HANDRAIL ASSY, L	1
2	50284839	WASHER 16	1
3	50282396	SPRING WASHER 16	1
4	50282539	BOLT 10X25 W/PLW+SPW	3
5	50282569	BOLT M16X 35 PLATED	1
6	50287556	COVER, CONNECTOR	1
7	50280804	SCREW	2
8	50287731	HANDRAIL ASSY, R-Q	1
9	50287069	CLAMP	1
10	50282539	BOLT 10X25 W/PLW+SPW	2

# Z35 GEN:2 - COMPACT EXCAVATOR

## FIG. 75 - BONNET (REAR)



**Z35 GEN:2 - COMPACT EXCAVATOR**  
**FIG. 75 - BONNET (REAR)**

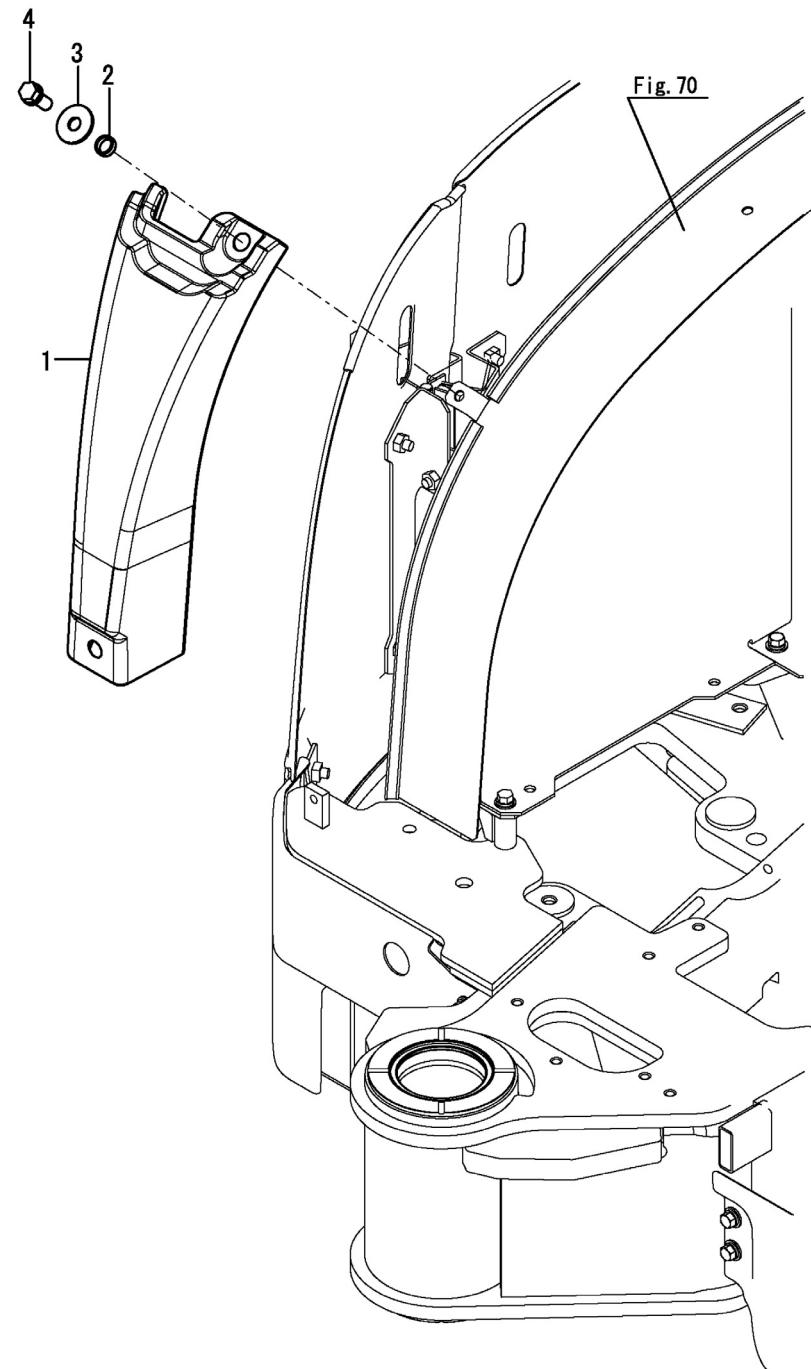
Ref.

No.	Part No.	Description	Qty.
1	50284017	PIN 6,COME-OFF SNAP	2
2	50287738	BONNET ASSY, A (replacement also requires labels 6A, 6B, 6C)	1
4	50287746	SEAL,1625	1
5	50287747	SEAL,735	1
6	50287748	SPONGE,BON.A	1
6A	50285436	LABEL,SWING AREA US *	1
6B	50281028	LABEL, ENG,COVER US *	1
6C	50281425	LABEL, ENG ROOM *	1
7	50287741	GUIDE,BON.A	1
8	50287742	HINGE ASSY,B	1
9	50287743	HINGE ASSY,A	1
10	50287744	GUIDE,BON.A LOCK	1
11	50287745	HANDLE, LOCK	1
11D	50287216	SEAL (SN M00701 and Up)	1
12	50287750	PLATE,KEY LOCK	1
13	50287103	SHAFT,HINGE	1
14	50287772	CYLINDER ASSY, KEY	1
18	138110	WASHER	1
19	50282385	WASHER 6	1
20	176152	CIRCLIP E-7	1
21	50288152	SCREW	4
22	50282538	BOLT M10X 20	2
23	50282539	BOLT 10X25 W/PLW+SPW	2
24	50282539	BOLT 10X25 W/PLW+SPW	2
25	50282576	U-NUT M10	1

NOTE: \* Labels shown on Page 4

# Z35 GEN:2 - COMPACT EXCAVATOR

## FIG. 77 - BONNET (FRONT)



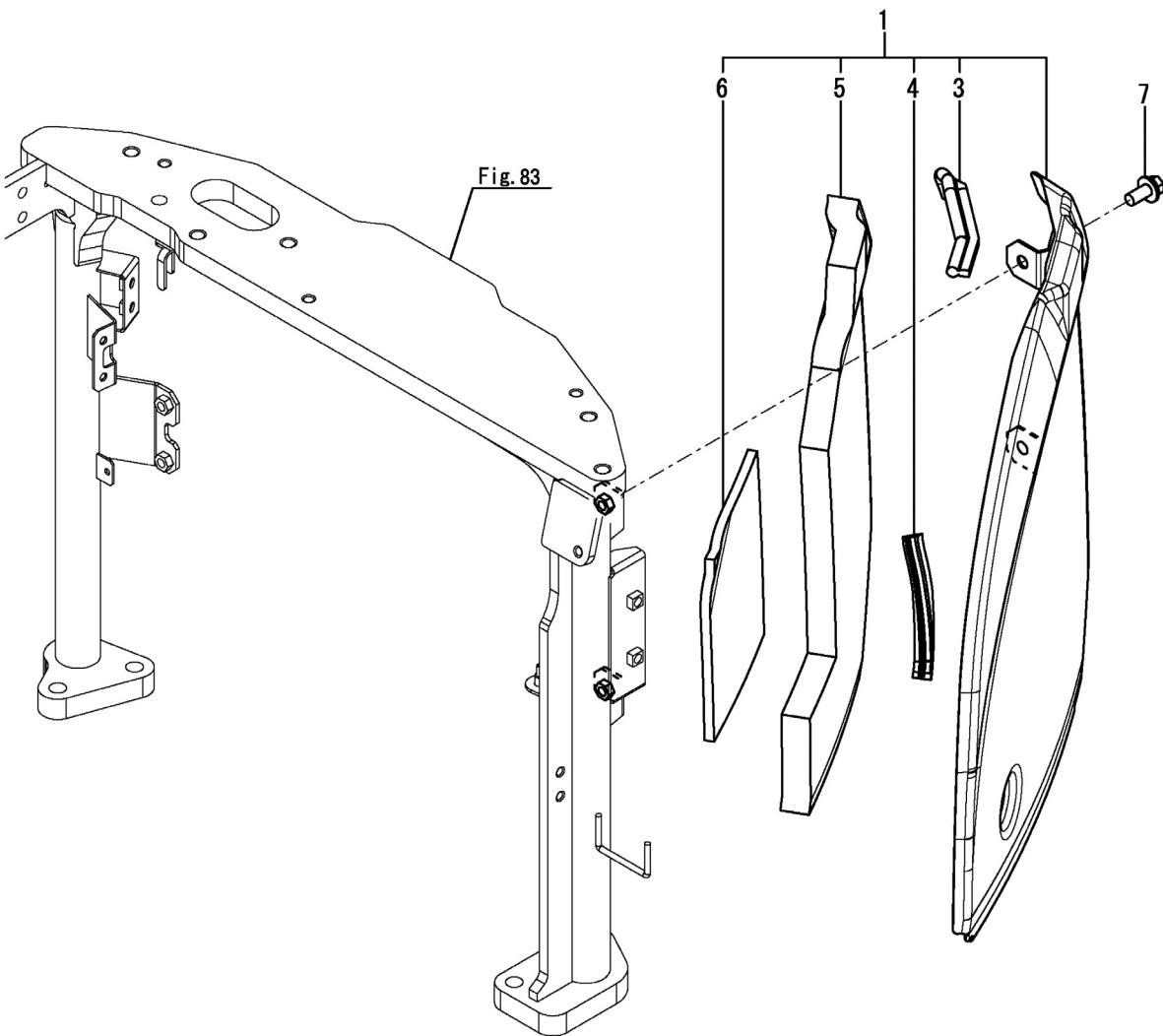
**Z35 GEN:2 - COMPACT EXCAVATOR**  
**FIG. 77 - BONNET (FRONT)**

Ref.

No.	Part No.	Description	Qty.
1	50288061	BONNET, B GEHL	1
2	50283614	COLOR 13X16X5	2
3	50282387	WASHER 10	2
4	50282516	BOLT W/WASHER M10X25	2

# Z35 GEN:2 - COMPACT EXCAVATOR

## FIG. 78 - BONNET (LEFT)



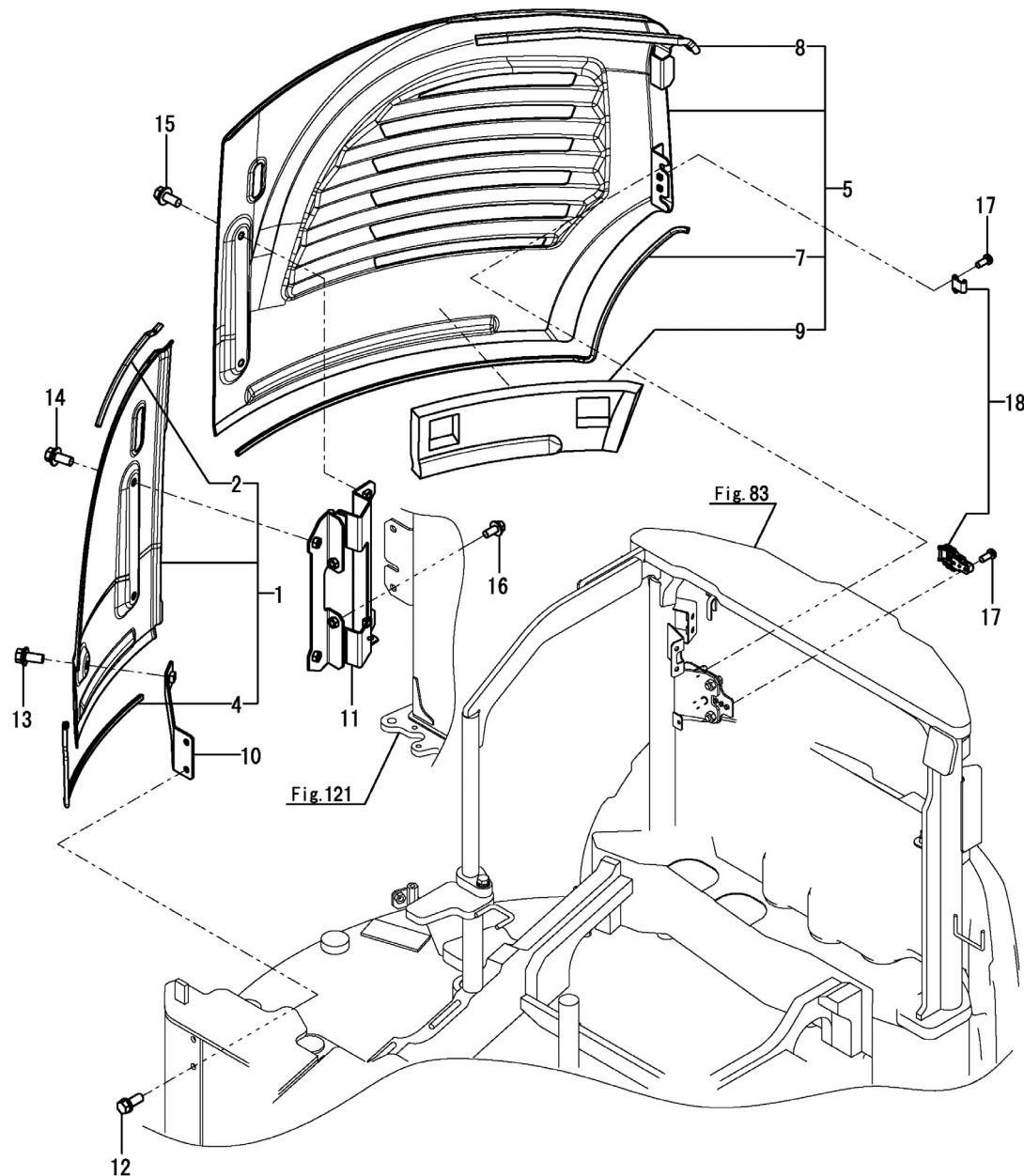
**Z35 GEN:2 - COMPACT EXCAVATOR**  
**FIG. 78 - BONNET (LEFT)**

Ref.

No.	Part No.	Description	Qty.
1	50287751	BONNET ASSY, L	1
3	50287754	SEAL,220	1
4	50287755	SEAL,175	1
5	50287756	SPONGE,BON.L A	1
6	50287757	SPONGE,BON.L B	1
7	50282539	BOLT 10X25 W/PLW+SPW	3

# Z35 GEN:2 - COMPACT EXCAVATOR

## FIG. 80 - BONNET (RIGHT)



**Z35 GEN:2 - COMPACT EXCAVATOR**  
**FIG. 80 - BONNET (RIGHT)**

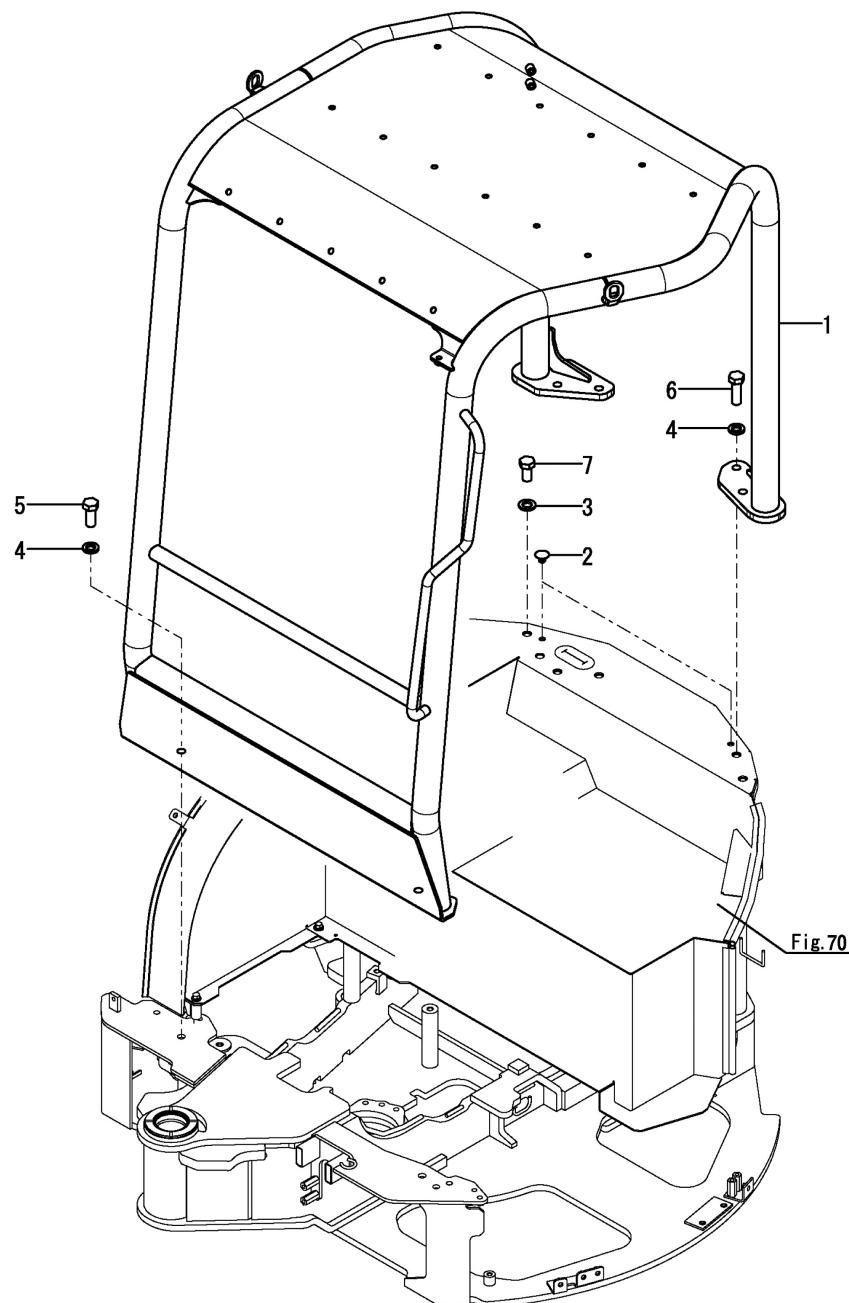
Ref.

No.	Part No.	Description	Qty.
1	50287759	BONNET ASSY,R FR	1
2	50287096	TRIM 245	1
4	50287765	SEAL,585	1
5	50287762	BONNET ASSY,R RR (replacement also requires label 9A)	1
7	50287766	SEAL,1105	1
8	50287767	SEAL,400	1
9	50287770	SPONGE,BON.R	1
9A	50281021	LABEL, HYD.OIL TANK *	1
10	50287768	STAY ASSY,BON.R FR	1
11	50287771	HINGE ASSY, BON. R	1
12	50282516	BOLT W/WASHER M10X25	2
13	50282539	BOLT 10X25 W/PLW+SPW	1
14	50282539	BOLT 10X25 W/PLW+SPW	2
15	50282539	BOLT 10X25 W/PLW+SPW	2
16	50282539	BOLT 10X25 W/PLW+SPW	2
17	50285922	SCREW M5 X 12	5
18	50288191	CLIP, CATCH	1

NOTE: \* Label shown on Page 4

# Z35 GEN:2 - COMPACT EXCAVATOR

## FIG. 82 - CANOPY



**Z35 GEN:2 - COMPACT EXCAVATOR**  
**FIG. 82 - CANOPY**

**Ref.**

**No. Part No.**

**Description**

**Qty.**

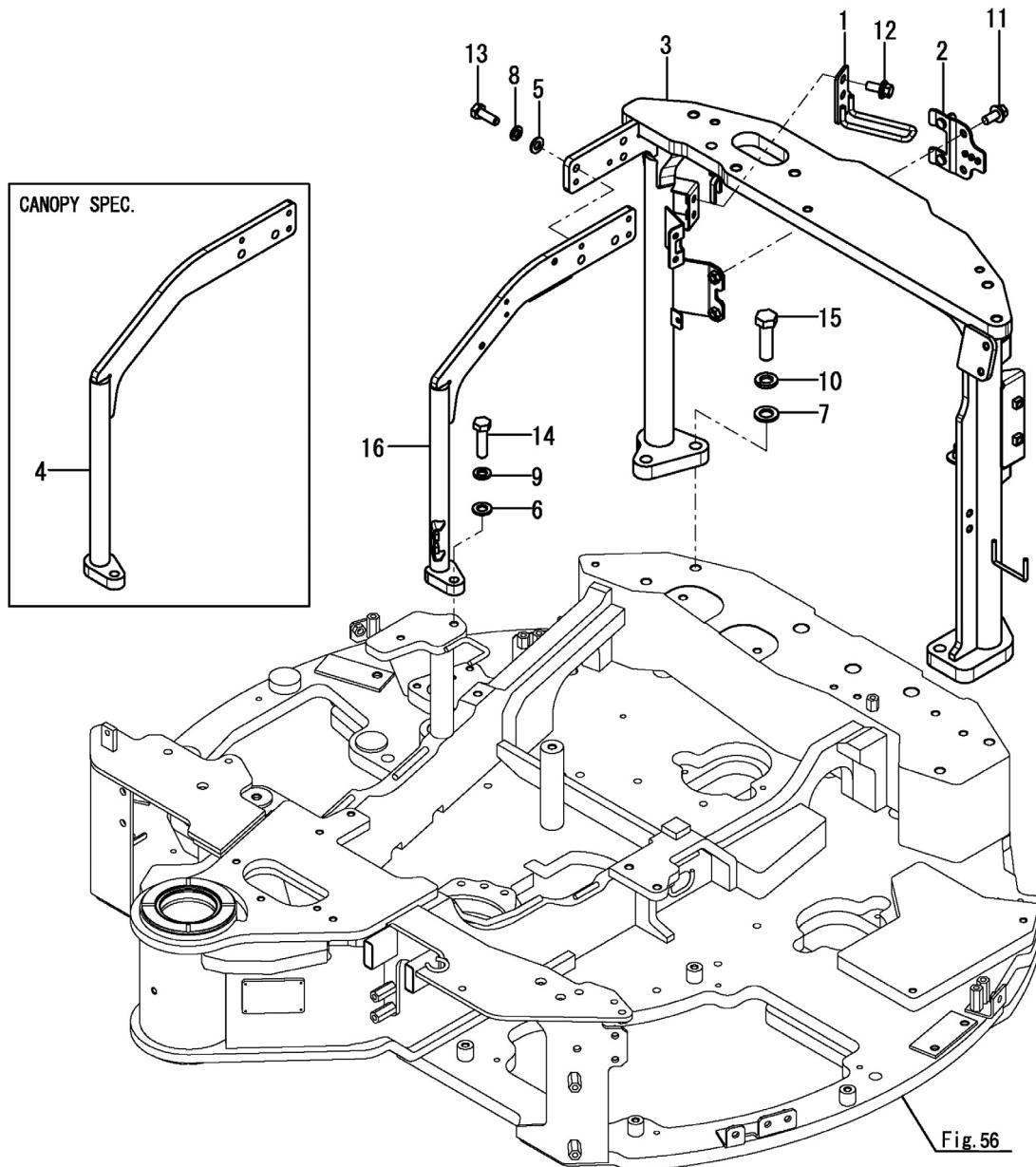
1	50287776	CANOPY ASSY, ROPS (replacement also requires labels 1A, 1B, 1C, 1E, 1D, 1E, 1F, 1G, 1H)	1
1A	50281022	LABEL, TRANSPORT US *	1
1B	50281025	LABEL, NEUTRAL US *	1
1C	50281030	LABEL, STEERING US *	1
1D	50281032	LABEL, SEAT BELT US *	1
1E	50281031	LABEL, ROPS US *	1
1F	50281174	LABEL, PIN US **	1
1G	50287435	LABEL,WARNING HITCH **	1
1H	50287436	LABEL,SAND US **	1
1I	50288043	LABEL,LIFT EX *	1
2	50284234	CLIP, TREE	2
3	50282382	WASHER 16, POLISHED	1
4	50282396	SPRING WASHER 16	6
5	50282552	BOLT 10.9 16X40	2
6	50282553	BOLT, 16 X 50	4
7	50288178	BOLT	1

NOTE: \* Labels shown on Page 8

\*\* Labels shown on Page 12

# Z35 GEN:2 - COMPACT EXCAVATOR

## FIG. 83 - MOUNT



**Z35 GEN:2 - COMPACT EXCAVATOR****FIG. 83 - MOUNT**

Ref.

No. Part No.

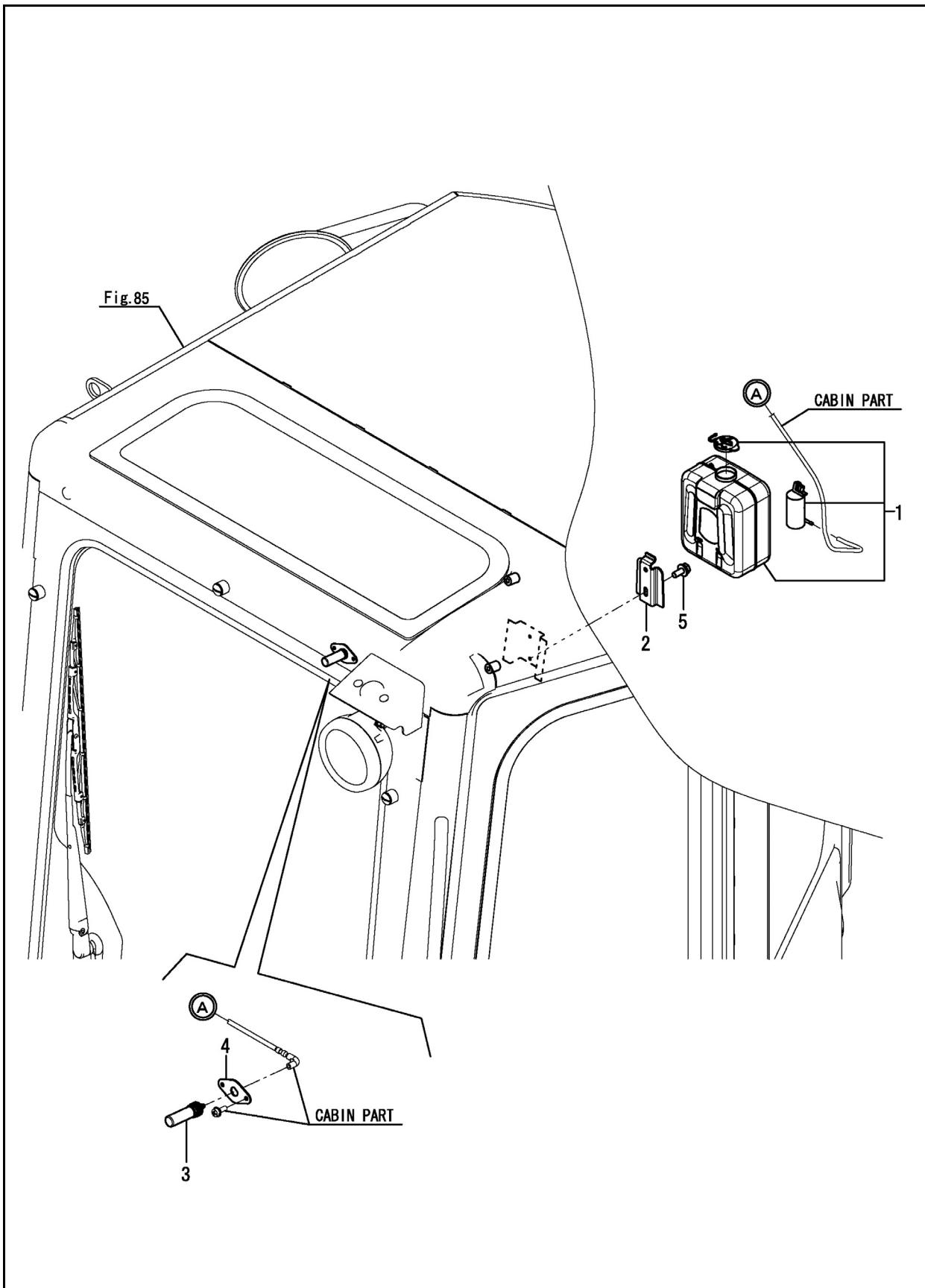
Description

Qty.

1	50287749	CATCH ASSY,BONNET A	1
2	50287769	BRACKET ASSY,BON.R	1
3	50287777	MOUNT ASSY,A CANOPY	1
4	50287778	MOUNT ASSY,B CANOPY	1
5	138111	WASHER/POLISHED	3
6	50284041	WASHER 12,POLISHED	1
7	50282382	WASHER 16,POLISHED	4
8	50282393	SPRING WASHER 10	3
9	425-34902	SPRING WASHER 12	1
10	50282396	SPRING WASHER 16	4
11	50282539	BOLT 10X25 W/PLW+SPW	2
12	50282539	BOLT 10X25 W/PLW+SPW	2
13	50288172	BOLT	3
14	50285162	BOLT	1
15	50284110	BOLT 16*55	4
16	50287779	MOUNT ASSY,B CABIN	1

# Z35 GEN:2 - COMPACT EXCAVATOR

## FIG. 84 - WINDOW WASHER



**Z35 GEN:2 - COMPACT EXCAVATOR**  
**FIG. 84 - WINDOW WASHER**

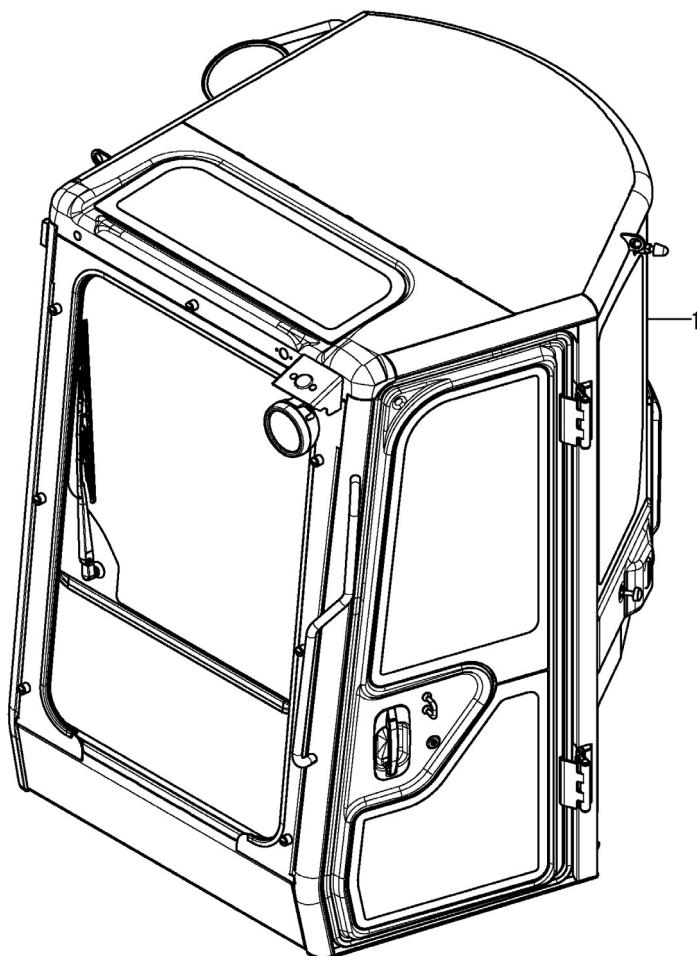
Ref.

No.	Part No.	Description	Qty.
1	50287145	TANK ASSY, WASHER	1
2	186344	BRACKET	1
3	50287150	WASHER NOZZLE	1
4	50287267	PLATE, NOZZLE	1
5	50282531	BOLT M 6X 16	2

# Z35 GEN:2 - COMPACT EXCAVATOR

## FIG. 85 - CABIN (BODY)

CABIN ASSY  
Fig. 85 Ref. No. 1  
INC. Fig. 86~93.



**Z35 GEN:2 - COMPACT EXCAVATOR**  
**FIG. 85 - CABIN (BODY)**

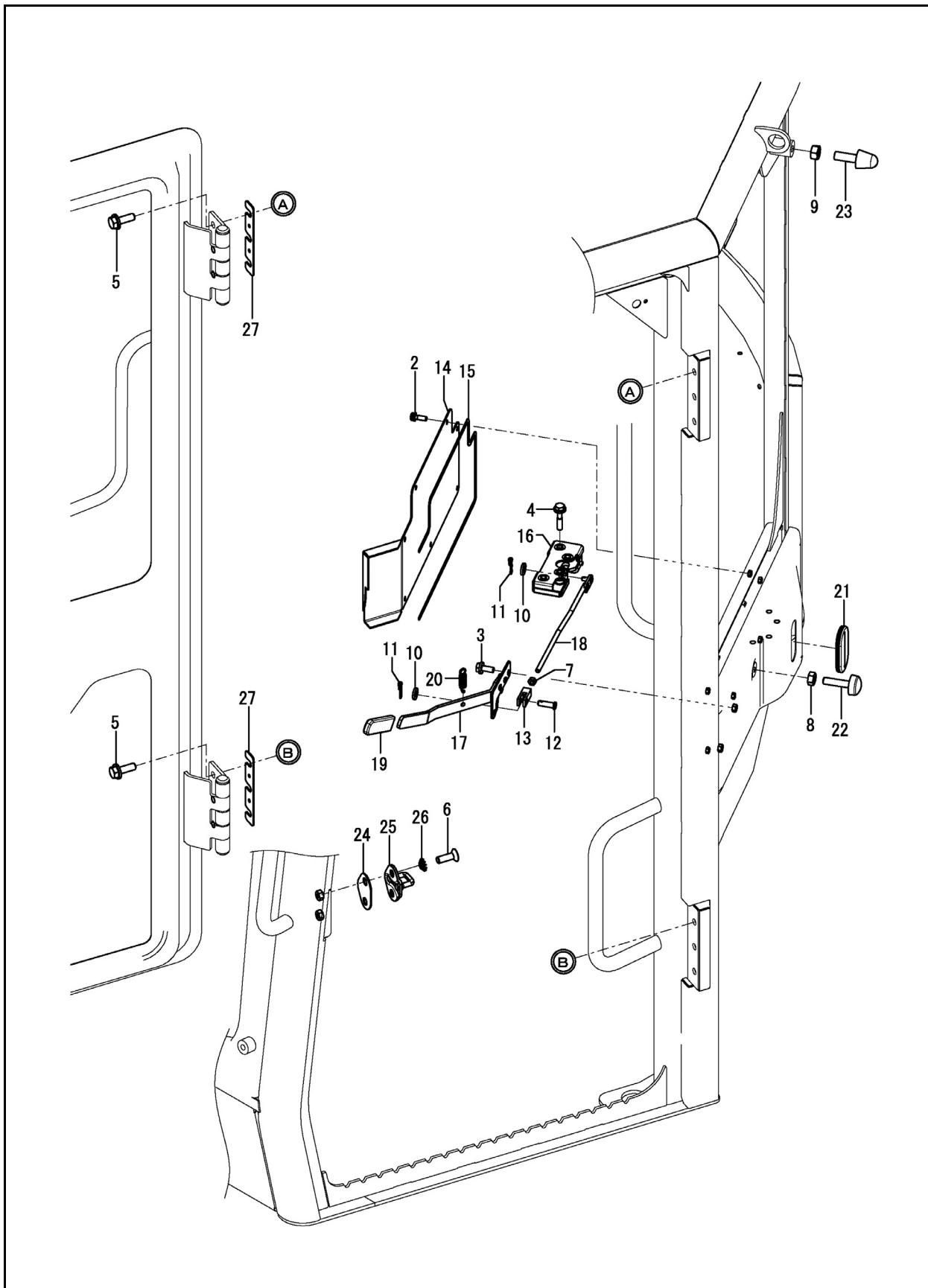
Ref.

No.	Part No.	Description	Qty.
1	50288062	CABIN ASSY,GEHL (replacement also requires labels 4A, 4B)	1
4A	50281027	LABEL, RADIATOR US *	1
4B	50281036	LABEL, WINDOW US *	1

NOTE: \* Labels shown on Page 10

# Z35 GEN:2 - COMPACT EXCAVATOR

## FIG. 86 - CABIN (DOOR:1)



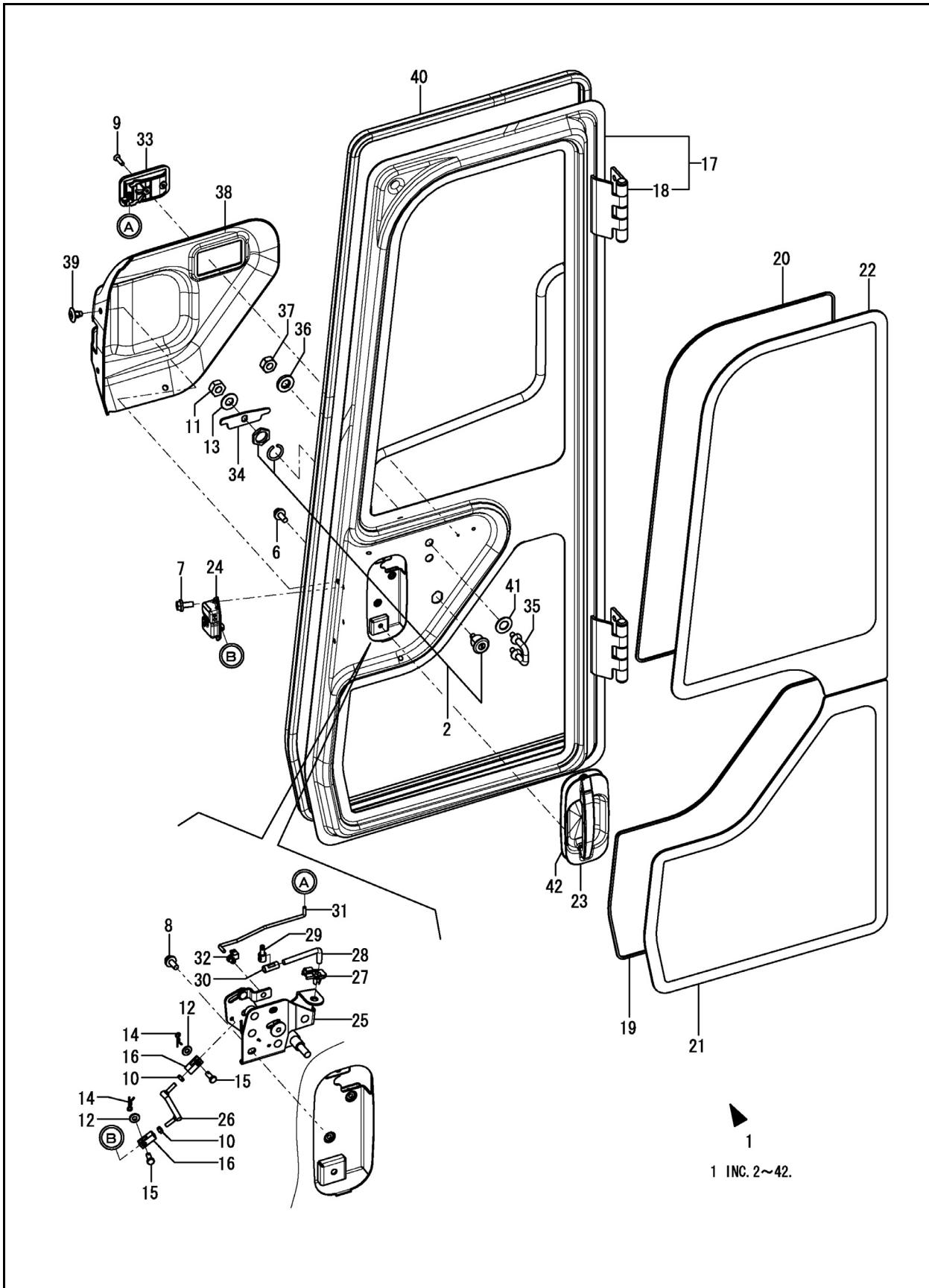
**Z35 GEN:2 - COMPACT EXCAVATOR****FIG. 86 - CABIN (DOOR:1)**

Ref.

No.	Part No.	Description	Qty.
2	50287223	SCREW, SEMS 5X16 B	7
3	50287228	BOLT, SEMS 6X16	2
4	50287230	BOLT, SEMS 6X30	4
5	50287233	BOLT, SEMS 8X20	6
6	50287247	SCREW, SOCKET 8X25	2
7	50287249	NUT, M6	1
8	50287250	NUT, M10	1
9	50287251	NUT, M12	1
10	50287255	WASHER, 6	2
11	50287257	PIN, SNAP 6	2
12	50287259	PIN, FLAT HEAD 6X20	1
13	50287261	YOKE, 6	1
14	50288080	COVER, CAB L	1
15	50287376	SEAL, COVER L	1
16	50287377	CATCH ASSY, DOOR	1
17	50287378	LEVER ASSY, DOOR	1
18	50287379	ROD ASSY, OPEN LOCK	1
19	50287380	COVER, LEVER	1
20	50287381	SPRING, LOCK LEVER	1
21	50287382	GROMMET, CATCH	1
22	50287383	STOPPER, DOOR	1
23	50287384	STOPPER, DOOR	1
24	50287398	SHIM, STRIKER DOOR	1
25	50287399	STRIKER, DOOR	1
26	50287400	WASHER, TOOTHED LOCK	2
27	50287409	SHIM, HINGE DOOR	2

# Z35 GEN:2 - COMPACT EXCAVATOR

## FIG. 87 - CABIN (DOOR:2)



**Z35 GEN:2 - COMPACT EXCAVATOR****FIG. 87 - CABIN (DOOR:2)**

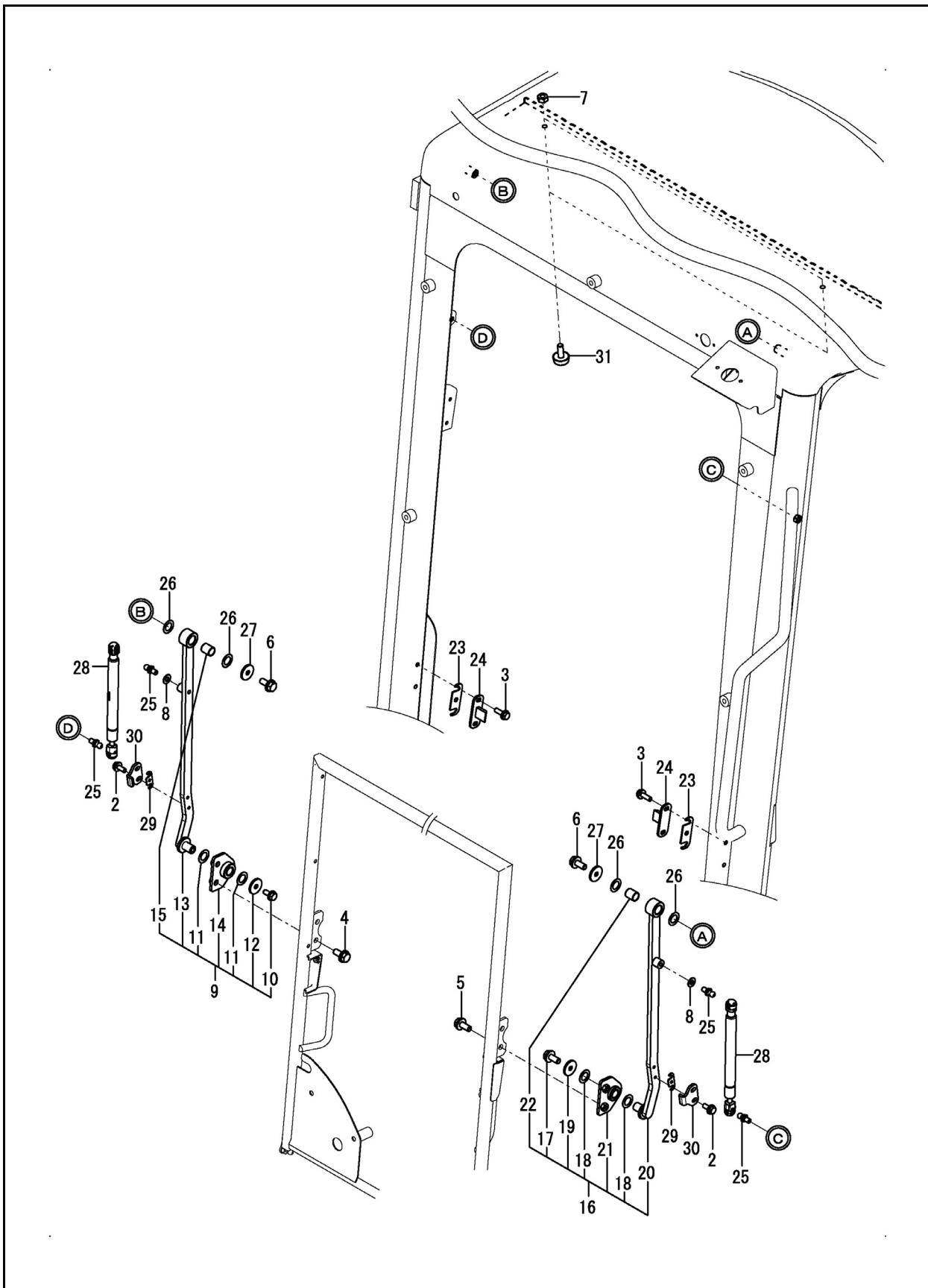
Ref.

No.

No.	Part No.	Description	Qty.
1	50288069	DOOR ASSY, CABIN	1
2	50287772	CYLINDER ASSY, KEY	1
6	50287227	BOLT, SEMS 6X12	2
7	50287228	BOLT, SEMS 6X16	2
8	50287228	BOLT, SEMS 6X16	2
9	50287244	SCREW, FLAT 4X14 B	1
10	50287248	NUT, M4	2
11	50287250	NUT, M10	1
12	50287252	WASHER, 4	2
13	50287254	WASHER, 10	1
14	50287256	PIN, SNAP 4	2
15	50287258	PIN, FLAT HEAD 4X12	2
16	50287260	YOKE, 4	2
17	50288070	FRAME ASSY, DOOR	1
18	N/A	HINGE, DOOR	2
19	50287273	DAM,1800	1
20	50287274	DAM, 2150	1
21	50287275	GLASS,DOOR LOW	1
22	50287276	GLASS, DOOR UP	1
23	50287277	HANDLE ASSY,OUTER	1
24	50287278	LOCK ASSY, DOOR	1
25	50287279	CONTROLLER ASSY,RMT	1
26	50287280	ROD ASSY, LINK LOCK	1
27	50287281	CLIP, ROD 6	1
28	50287282	ROD ASSY, LINK O/H	1
29	50287283	PIN, REGULATE	1
30	50287284	TUBE, ROD 6	1
31	50287285	ROD, LINK I/H-R/M	1
32	50287286	CLIP, ROD 3.5	1
33	50287287	HANDLE, DOOR INNER	1
34	50287288	PLATE, KEY LOCK DOOR	1
35	50287289	STRIKER ASSY, DOOR	1
36	50287290	WASHER, 10 BK	2
37	50287291	NUT, M10 BK	2
38	50287292	COVER,DOOR INNER	1
39	50287293	RIVET, 8	4
40	50287294	SEAL, DOOR	1
41	50287295	WASHER, SEAL 12	2
42	50287376	SEAL, COVER L	1

# Z35 GEN:2 - COMPACT EXCAVATOR

## FIG. 88 - CABIN (FRONT WINDOW:1)



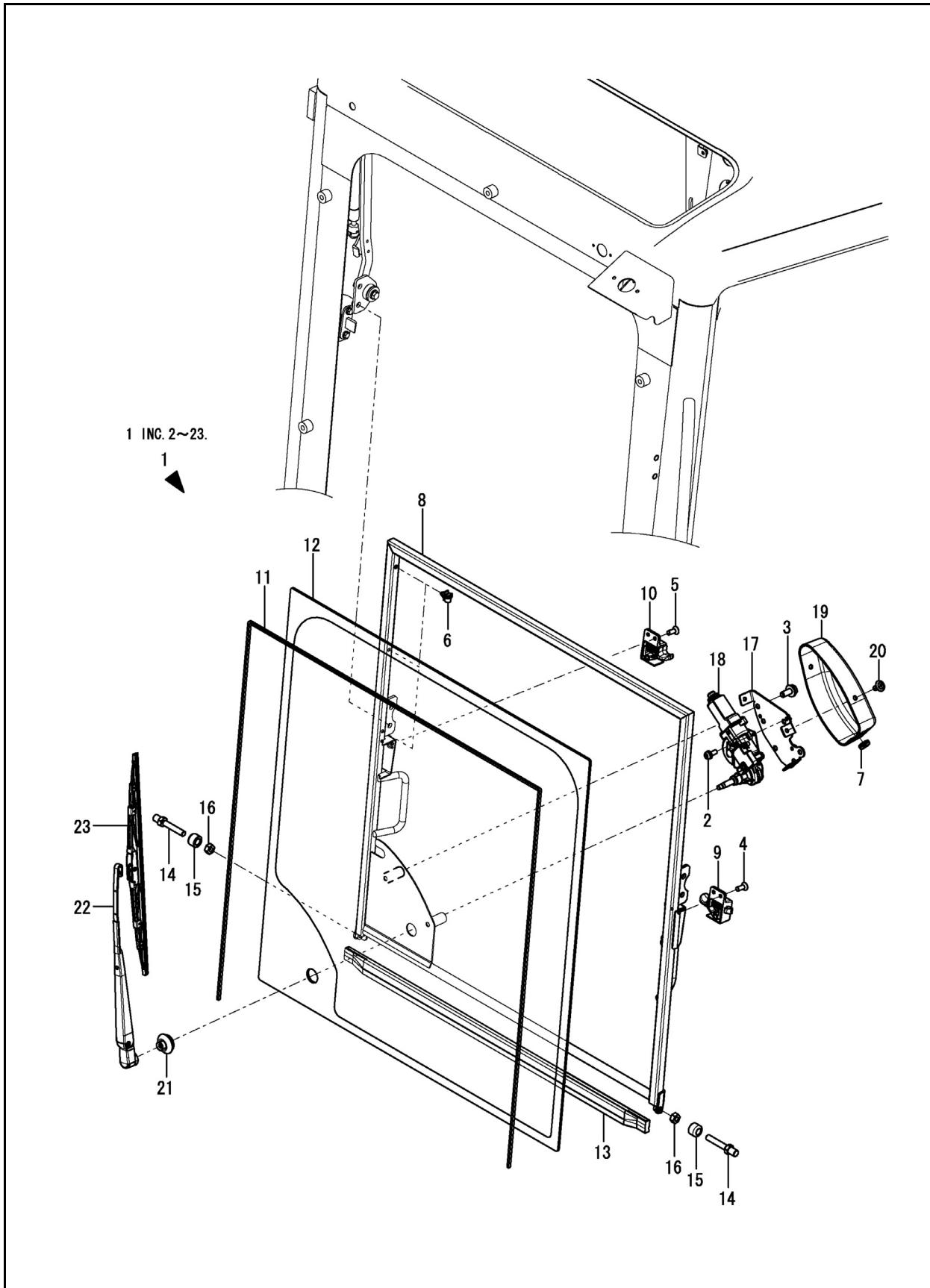
**Z35 GEN:2 - COMPACT EXCAVATOR**  
**FIG. 88 - CABIN (FRONT WINDOW:1)**

Ref.

No.	Part No.	Description	Qty.
2	50287236	BOLT, SEMS 6X16 B	4
3	50287237	BOLT, SEMS 6X20 B	4
4	50287238	BOLT, SEMS 8X20 B	2
5	50287238	BOLT, SEMS 8X20 B	2
6	50287238	BOLT, SEMS 8X20 B	2
7	50287250	NUT, M10	2
8	50287253	WASHER, 8	2
9	50287331	ARM ASSY, R F/W	1
10	50287238	BOLT, SEMS 8X20 B	1
11	50287336	WASHER, THRUST 16	2
12	50287337	WASHER, 8.5X30X3.2	1
13	50287345	ARM ASSY, R	1
14	50287347	BRACKET ASSY, ARM	1
15	50287348	BUSH, 17X20	1
16	50287332	ARM ASSY, L F/W	1
17	50287238	BOLT, SEMS 8X20 B	1
18	50287336	WASHER, THRUST 16	2
19	50287337	WASHER, 8.5X30X3.2	1
20	50287346	ARM ASSY, L	1
21	50287347	BRACKET ASSY, ARM	1
22	50287348	BUSH, 17X20	1
23	50287333	SHIM, LOCK PLATE	2
24	50287334	STRIKER ASSY, F/W	2
25	50287335	BALL, STUD	4
26	50287336	WASHER, THRUST 16	4
27	50287337	WASHER, 8.5X30X3.2	2
28	50287338	SPRING, GAS FRONT G	2
29	50287339	SHIM, STRIKER ARM	2
30	50287340	STRIKER, ARM	2
31	50287341	STOPPER, F/W	2

# Z35 GEN:2 - COMPACT EXCAVATOR

## FIG. 89 - CABIN (FRONT WINDOW:2)



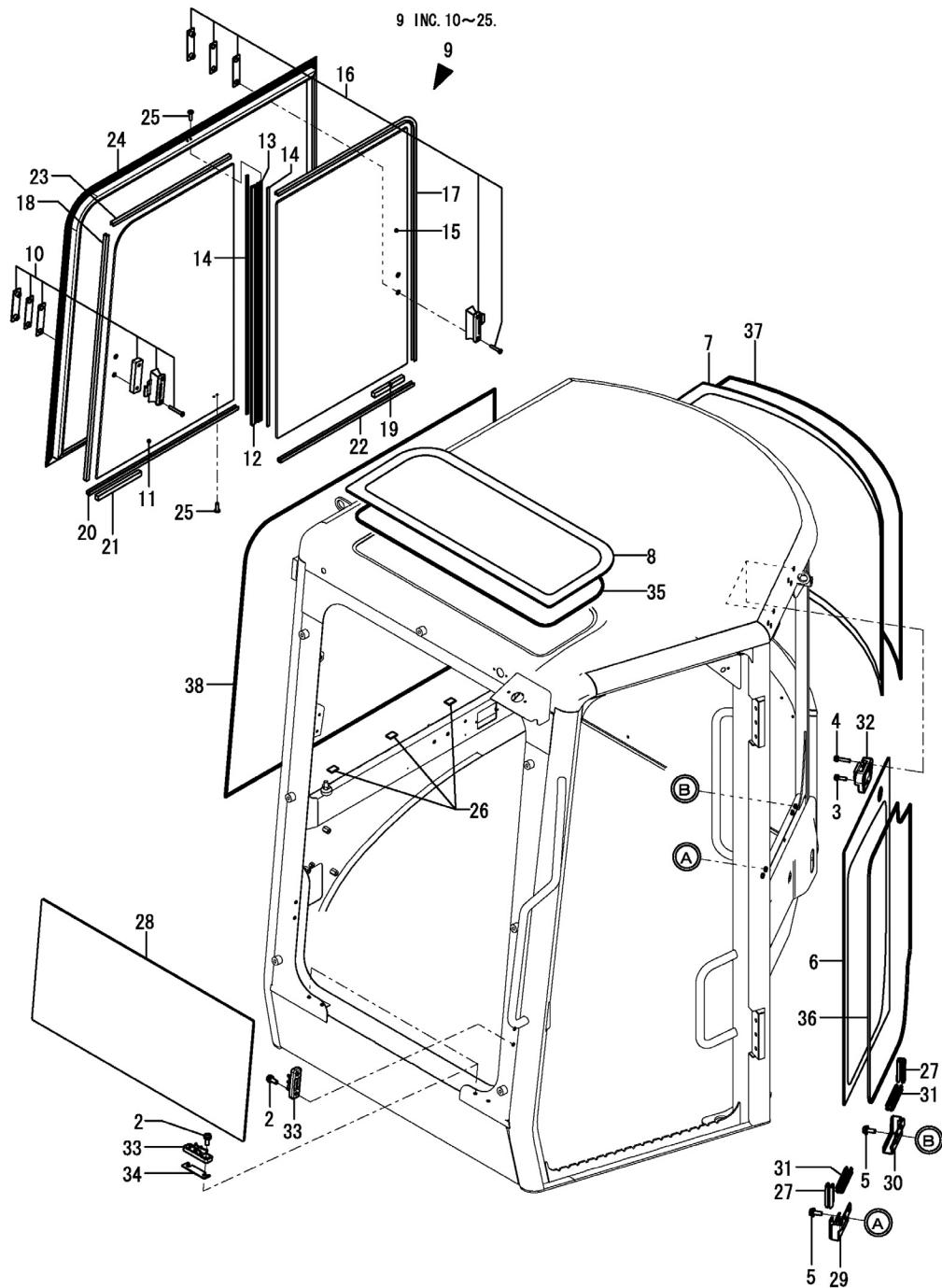
**Z35 GEN:2 - COMPACT EXCAVATOR**  
**FIG. 89 - CABIN (FRONT WINDOW:2)**

Ref.

No.	Part No.	Description	Qty.
1	50287296	WINDOW ASSY, FRONT	1
2	50287218	SCREW, SEMS 5X12	3
3	50287232	BOLT, SEMS 8X16	2
4	50287246	SCREW, SOCKET 6X16	2
5	50287246	SCREW, SOCKET 6X16	2
6	50287266	CLAMP, CABLE 5	3
7	50287268	CAP, 10	1
8	50287297	FRAME ASSY, FRONT	1
9	50287298	LOCK ASSY, L F/W	1
10	50287299	LOCK ASSY, R F/W	1
11	50287300	DAM, 2450	1
12	50287301	GLASS, FRONT UP	1
13	50287302	SEAL, FRONT GLASS	1
14	50287303	BOLT, ROLLER	2
15	50287304	ROLLER, 18X13	2
16	50287305	NUT, M8 BK	2
17	50287306	BRACKET ASSY,W-MOTOR	1
18	50287307	MOTOR, WIPER	1
19	50287308	COVER, WIPER MOTOR	1
20	50287309	RIVET, 7	3
21	50287310	CAP, WIPER	1
22	50287311	ARM, WIPER	1
23	50287312	BLADE, WIPER	1

# Z35 GEN:2 - COMPACT EXCAVATOR

## FIG. 90 - CABIN (GLASS)



**Z35 GEN:2 - COMPACT EXCAVATOR**  
**FIG. 90 - CABIN (GLASS)**

**Ref.**

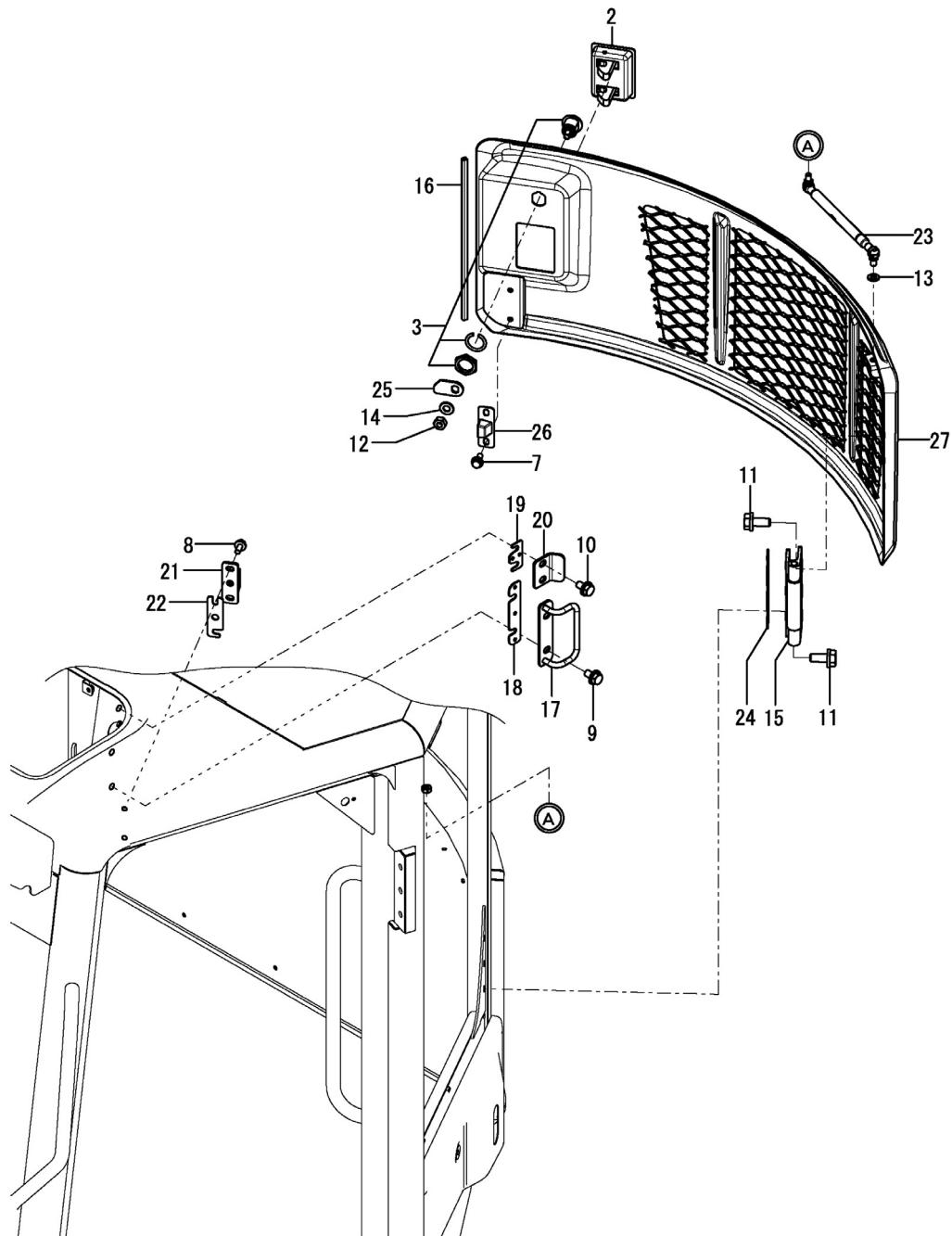
No.	Part No.	Description	Qty.
2	50287220	SCREW, SEMS 6X16	8
3	50287224	SCREW, SEMS 6X20 B	2
4	50287226	SCREW, SEMS 6X30 B	4
5	50287236	BOLT, SEMS 6X16 B	4
6	50287342	GLASS, SIDE L	1
7	50287343	GLASS, REAR (replacement also requires label 39A)	1
8	50287344	ROOF, POLYCARBONATE	1
9	50287349	SASH ASSY	1
10	50287350	LOCK ASSY, SASH 37	1
11	50287351	GLASS, SASH FRONT	1
12	50287352	RUBBER, SASH	1
13	50287353	BAR, CENTER	1
14	50287354	SEAL, SASH	2
15	50287355	GLASS, SASH REAR (replacement also requires labels 40A, 40B, 40C, 40D, 40E)	1
16	50287356	LOCK ASSY, SASH 26	1
17	50287357	GLASSRUN, 1612	1
18	50287358	GLASSRUN, 752	1
19	50287359	STOPPER, SASH A	1
20	50287360	GLASSRUN, 844	1
21	50287361	STOPPER, SASH B	1
22	50287362	GLASSRUN, 784	1
23	50287363	GLASSRUN, 809	1
24	50287364	FRAME ASSY, SASH	1
25	50288180	SCREW	4
26	50287365	SHEET, STOPPER	3
27	50287366	GLASSRUN, 40	2
28	50287367	GLASS, FRONT LOWER	1
29	50288078	HOLDER ASSY, GLASS R	1
30	50288079	HOLDER ASSY, GLASS L	1
31	50287368	GLASSRUN, 80	2
32	50287369	HOLDER, GLASS	2
33	50287370	SEAT, GLASS	4
34	50287371	SHIM, SEAT GLASS	2
35	50287372	DAM, 1900	1
36	50287373	DAM, 2300	1
37	50287374	DAM, 2900	1
38	50287375	DAM, 3550	1
39A	50288043	LABEL, LIFT EX *	1
40A	50281022	LABEL, TRANSPORT US *	1
40B	50281025	LABEL, NEUTRAL US *	1
40C	50281174	LABEL, PIN US **	1
40D	50287435	LABEL, WARNING HITCH **	1
40E	50287436	LABEL, SAND US **	1

NOTE: \* Label shown on Page 10

\*\* Labels shown on Page 12

# Z35 GEN:2 - COMPACT EXCAVATOR

## FIG. 91 - CABIN (REAR COVER)



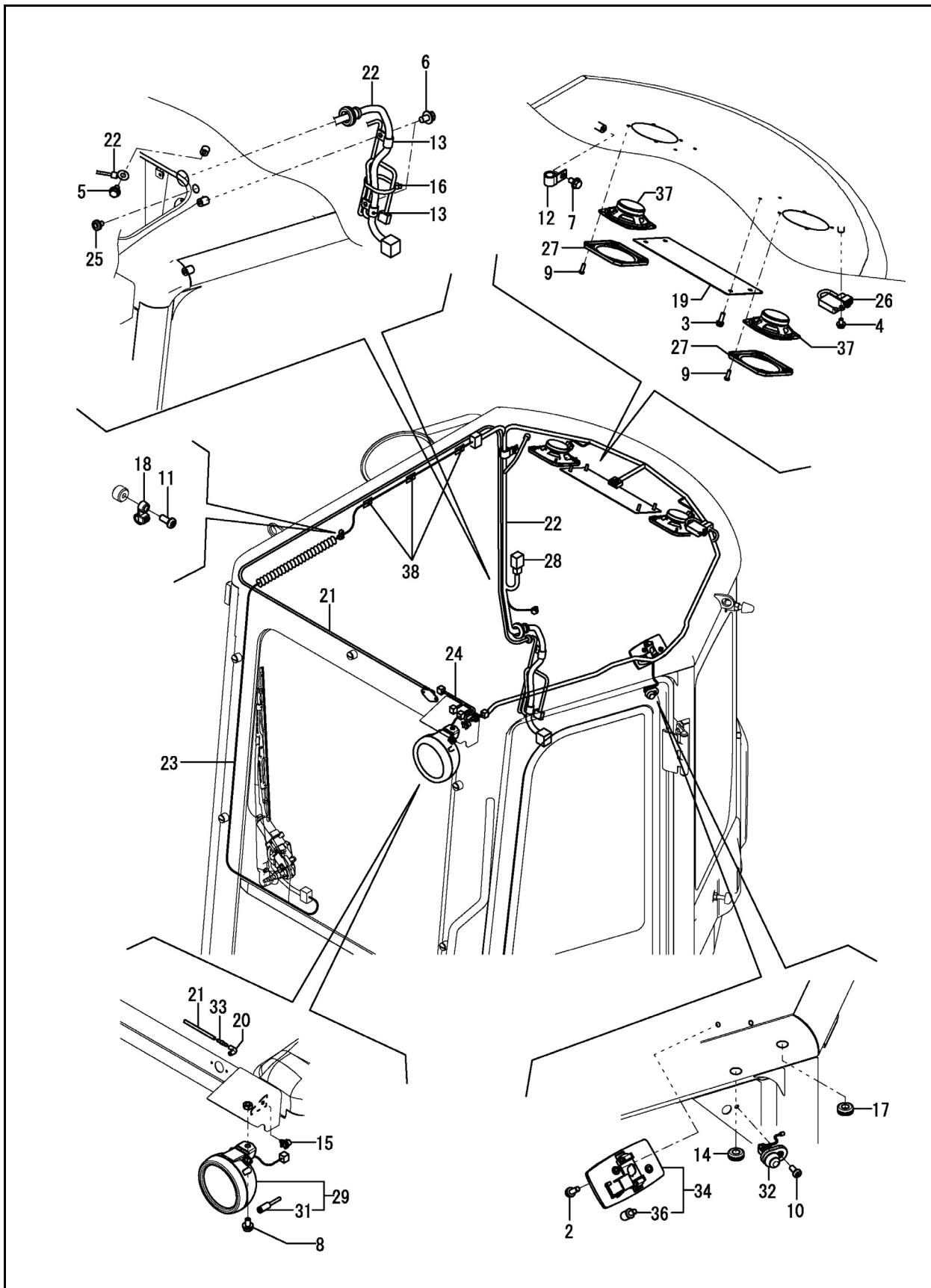
**Z35 GEN:2 - COMPACT EXCAVATOR**  
**FIG. 91 - CABIN (REAR COVER)**

Ref.	No.	Part No.	Description	Qty.
2	50280945	HANDLE, LOCK		1
3	50287772	CYLINDER ASSY, KEY		1
7	50287228	BOLT, SEMS 6X16		2
8	50287229	BOLT, SEMS 6X20		2
9	50287232	BOLT, SEMS 8X16		2
10	50287232	BOLT, SEMS 8X16		2
11	50287234	BOLT, SEMS 10X25		6
12	50287250	NUT, M10		1
13	50287253	WASHER, 8		1
14	50287254	WASHER, 10		1
15	50287148	HINGE, DOOR		1
16	50287328	TRIM, REAR COVER		1
17	50287385	CATCH ASSY, COVER R		1
18	50287386	SHIM, CATCH R COVER		1
19	50287387	SHIM, LOCK PLATE		1
20	50287388	PLATE, LOCK		1
21	50287389	CATCH, DOVE TAIL B		1
22	50287390	SHIM, DOVE TAIL		1
23	50287391	SPRING, GAS REAR COV		1
24	50287392	SHIM, HINGE REAR		1
25	50287393	PLATE, KEY LOCK		1
26	50287394	CATCH, DOVE TAIL A		1
27	50288081	COVER ASSY, REAR (replacement also requires label 28A)		1
28A	50287431	LABEL,WARNING A/C US *		1

NOTE: \* Label shown on Page 10

# Z35 GEN:2 - COMPACT EXCAVATOR

## FIG. 92 - CABIN (ELECTRIC PARTS)



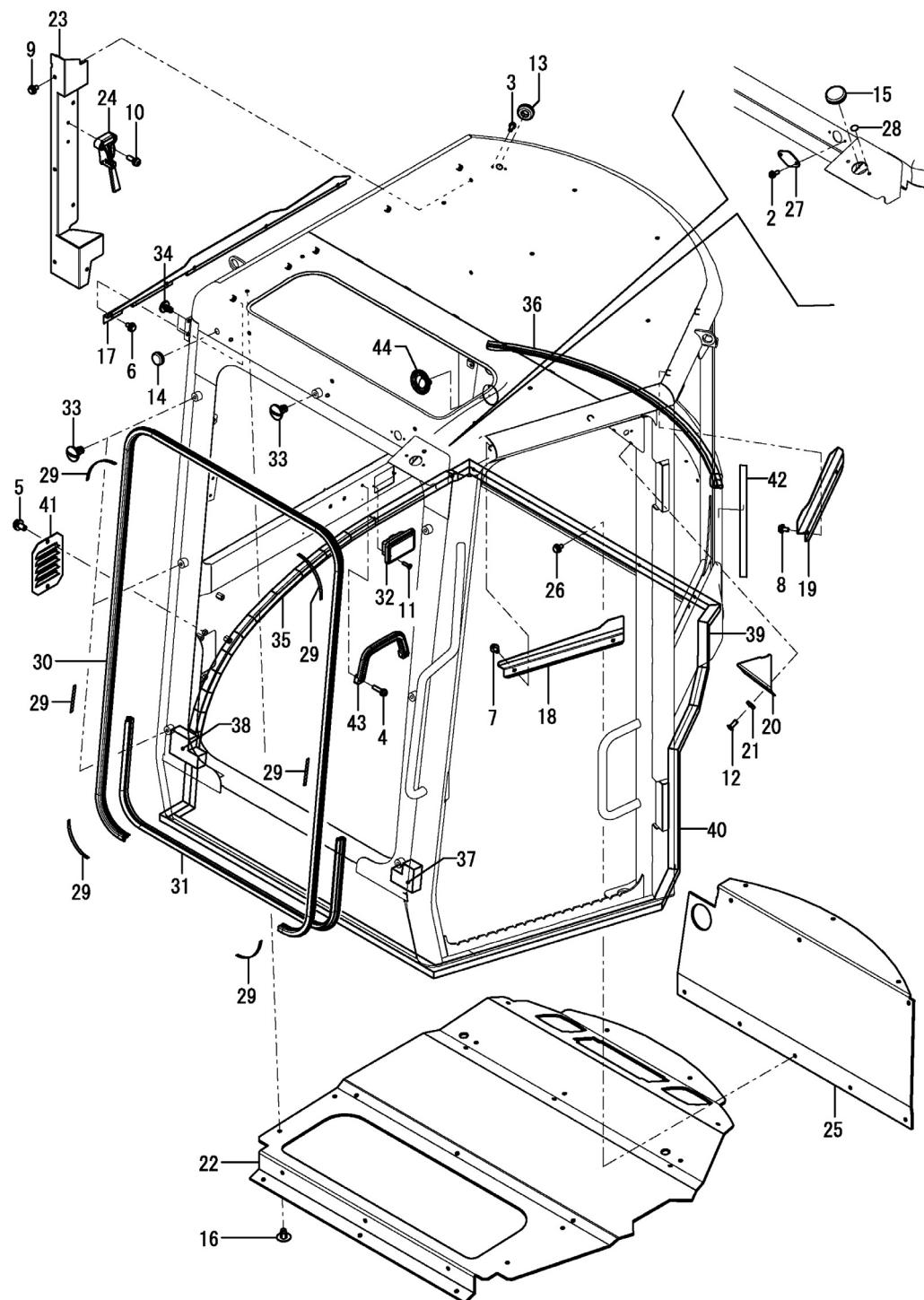
**Z35 GEN:2 - COMPACT EXCAVATOR**  
**FIG. 92 - CABIN (ELECTRIC PARTS)**

Ref.

No.	Part No.	Description	Qty.
2	50287219	SCREW, SEMS 5X16	2
3	50287224	SCREW, SEMS 6X20 B	4
4	50287227	BOLT, SEMS 6X12	1
5	50287231	BOLT, SEMS 8X12	1
6	50287232	BOLT, SEMS 8X16	2
7	50287232	BOLT, SEMS 8X16	1
8	50287239	BOLT, SEMS 10X20 B	1
9	50287240	SCREW, PAN 4X12 B	8
10	50287241	SCREW, PAN 5X12 B	1
11	50287241	SCREW, PAN 5X12 B	1
12	50287262	CLIP, HOSE 14	1
13	50287263	CLIP, HOSE 17	2
14	50287264	GROMMET, 10	1
15	50287265	CLAMP, CABLE 3	1
16	50287266	CLAMP, CABLE 5	1
17	50287268	CAP, 10	1
18	50287314	CLIP, HARNESS	1
19	50288076	COVER, RADIO LESS	1
20	50287319	JOINT, WASHER	1
21	50287320	HOSE, WASHER	1
22	50287329	HARNESS, CAB MAIN	1
23	50287330	HARNESS, WIPER MOTOR	1
24	50287410	HARNESS, WORK LAMP	1
25	50287411	GROMMET, 15X 21X 8	1
26	160891	RELAY 10 A	1
27	50288121	COVER,SPEAKER	2
28	50288120	RELAY CA-1A	1
29	50288110	LAMP, WORKING	1
31	50286744	BULB 12V 55W	1
32	50288104	SWITCH, LAMP	1
33	50288096	VALVE, WASHER	1
34	50288106	LAMP ASSY, ROOM	1
36	50288108	BULB	1
37	50288115	SPEAKER	2
38	50288190	STAPLE P-25	3

# Z35 GEN:2 - COMPACT EXCAVATOR

## FIG. 93 - CABIN (ACCESSORY PARTS)



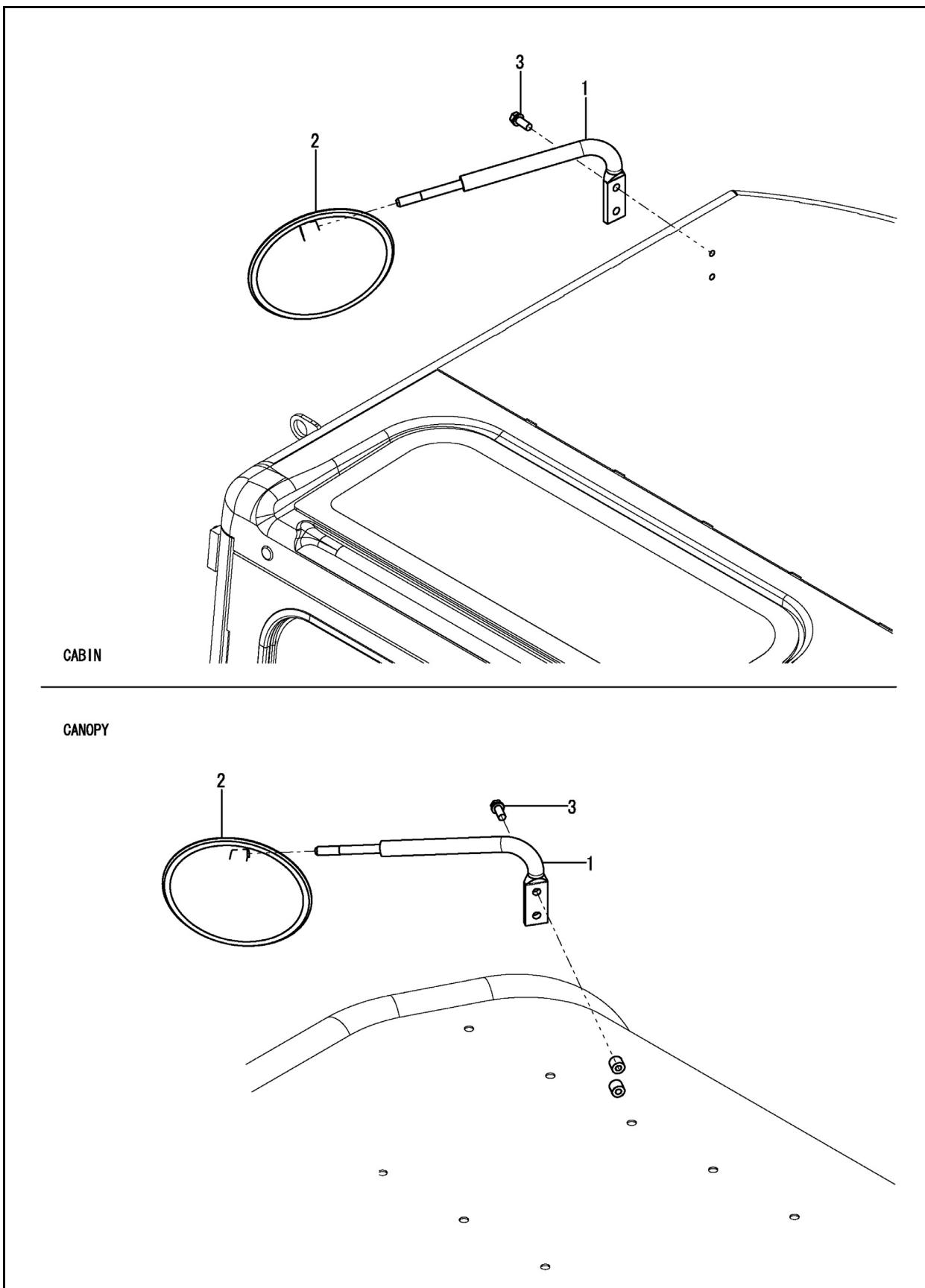
**Z35 GEN:2 - COMPACT EXCAVATOR**  
**FIG. 93 - CABIN (ACCESSORY PARTS)**

Ref.	No.	Part No.	Description	Qty.
	2	50287221	SCREW, SEMS 4X12 B	2
	3	50287222	SCREW, SEMS 4X16 B	2
	4	50287225	SCREW, SEMS 6X25 B	2
	5	50287232	BOLT, SEMS 8X16	2
	6	50287235	BOLT, SEMS 6X12 B	5
	7	50287235	BOLT, SEMS 6X12 B	2
	8	50287235	BOLT, SEMS 6X12 B	2
	9	50287235	BOLT, SEMS 6X12 B	6
	10	50287242	SCREW, PAN 5X16 B	2
	11	50287243	SCREW, FLAT 4X16	2
	12	50287245	SCREW, ROUND 6X16	2
	13	50287268	CAP, 10	1
	14	50287268	CAP, 10	1
	15	50287269	CAP, 25	1
	16	50287293	RIVET, 8	23
	17	50288071	COVER, CAB TOP R	1
	18	50288072	COVER, CAB TOP LF	1
	19	50288073	COVER, CAB TOP LR	1
	20	50288074	COVER, DOOR SWITCH	1
	21	50287313	WASHER, 6 DRESSING	2
	22	50287315	PAD, ROOF	1
	23	50288075	COVER ASSY, HARNESS (replacement also requires labels 45A, 45B)	1
	24	50287316	HAMMER	1
	25	50287317	PAD, REAR	1
	26	50287318	CLIP, TREE 6	11
	27	50288077	PLATE, NOZZLE LESS	1
	28	50287321	SEAL, 14 GRAY	2
	29	50287322	TAPE, BUTYL	6
	30	50287395	SEAL, 3450	1
	31	50287396	SEAL, 1570	1
	32	50287397	ASHTRAY	1
	33	50287401	PLUG, M10	7
	34	50287401	PLUG, M10	2
	35	50287402	SEAL, CABIN 1360	1
	36	50287403	SEAL, 950	1
	37	50287404	SEAL, FRONT R	1
	38	50287405	SEAL, FRONT L	1
	39	50287406	SEAL, CABIN 500	1
	40	50287407	SEAL, CABIN 430	1
	41	50288082	LOUVER	1
	42	50287408	TAPE, REAR COVER	1
	43	50288095	GRIP	1
	44	50288100	VALVE, DOOR	1
	45A	50281032	LABEL, SEAT BELT US *	1
	45B	50281031	LABEL, ROPS US *	1

NOTE: \* Labels shown on Page 10

# Z35 GEN:2 - COMPACT EXCAVATOR

## FIG. 94 - REARVIEW MIRROR



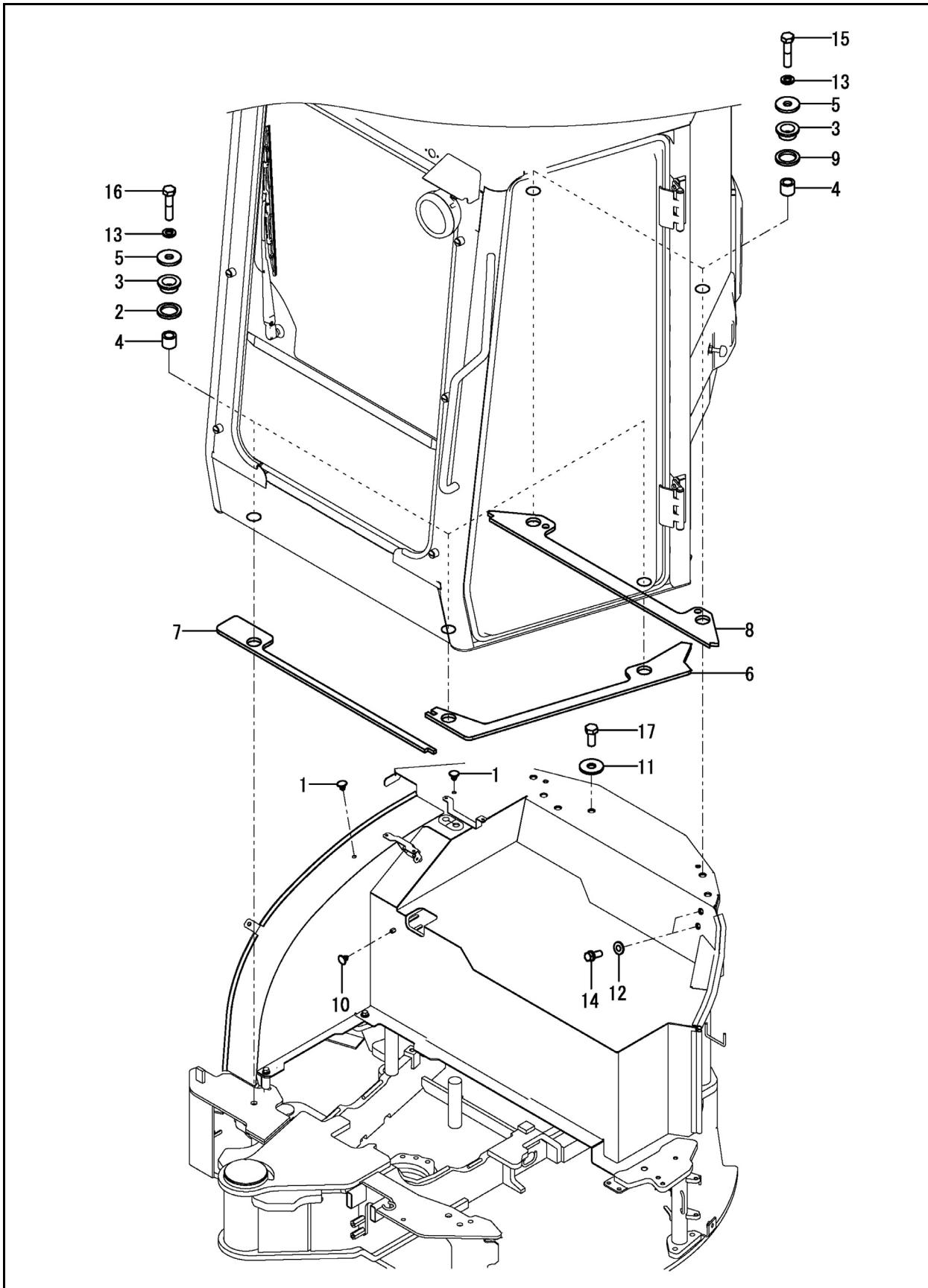
**Z35 GEN:2 - COMPACT EXCAVATOR**  
**FIG. 94 - REARVIEW MIRROR**

Ref.

No.	Part No.	Description	Qty.
1	50287171	BRACKET ASSY,MIRROR	1
2	50281414	REARVIEW MIRROR	1
3	50282516	BOLT W/WASHER M10X25	2

# Z35 GEN:2 - COMPACT EXCAVATOR

## FIG. 95 - MOUNT (CABIN)



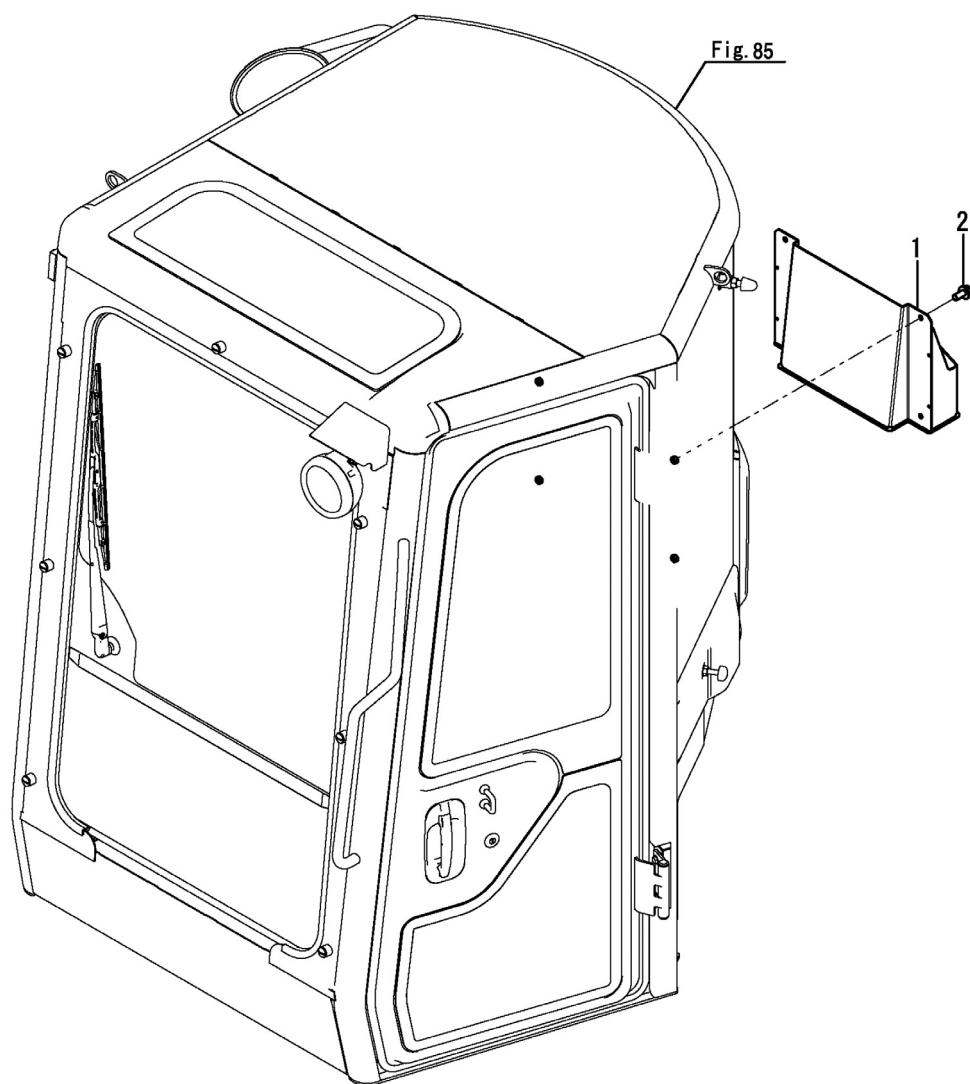
**Z35 GEN:2 - COMPACT EXCAVATOR**  
**FIG. 95 - MOUNT (CABIN)**

Ref.

No.	Part No.	Description	Qty.
1	50280782	CLIP	2
2	50283629	WASHER52X38X6	3
3	50283630	GROMET 30X36X50	5
4	50283631	COLLER 20X30X26	5
5	50283632	WASHER52X17X6	5
6	50287323	PAD, CAB SIDE	1
7	50287324	PAD, CAB FRONT	1
8	50287325	PAD, CAB REAR	1
9	50287326	WASHER, 39X52X3.2	2
10	50288083	CLIP, TREE 5	1
11	50282382	WASHER 16,POLISHED	1
12	50282387	WASHER 10	2
13	50282396	SPRING WASHER 16	5
14	50282516	BOLT W/WASHER M10X25	2
15	50284110	BOLT 16*55	2
16	50288174	BOLT	3
17	50288178	BOLT	1

# Z35 GEN:2 - COMPACT EXCAVATOR

## FIG. 96 - BOX (CABIN HEATER SPEC.)



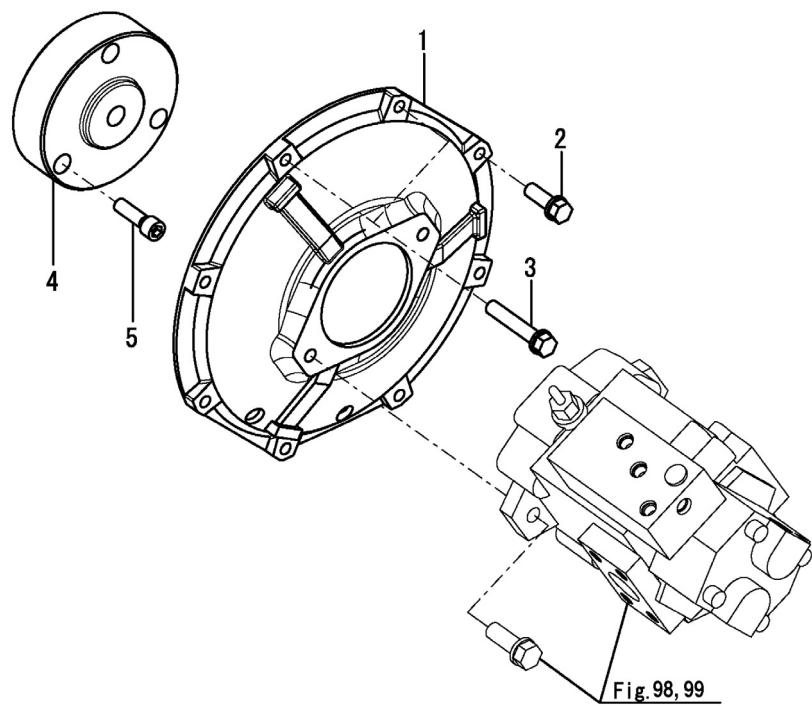
**Z35 GEN:2 - COMPACT EXCAVATOR**  
**FIG. 96 - BOX (CABIN HEATER SPEC.)**

Ref.

No.	Part No.	Description	Qty.
1	50287327	BOX ASSY	1
2	50282534	BOLT M 8X 20	4

# Z35 GEN:2 - COMPACT EXCAVATOR

## FIG. 97 - HYD. OIL PUMP MOUNT



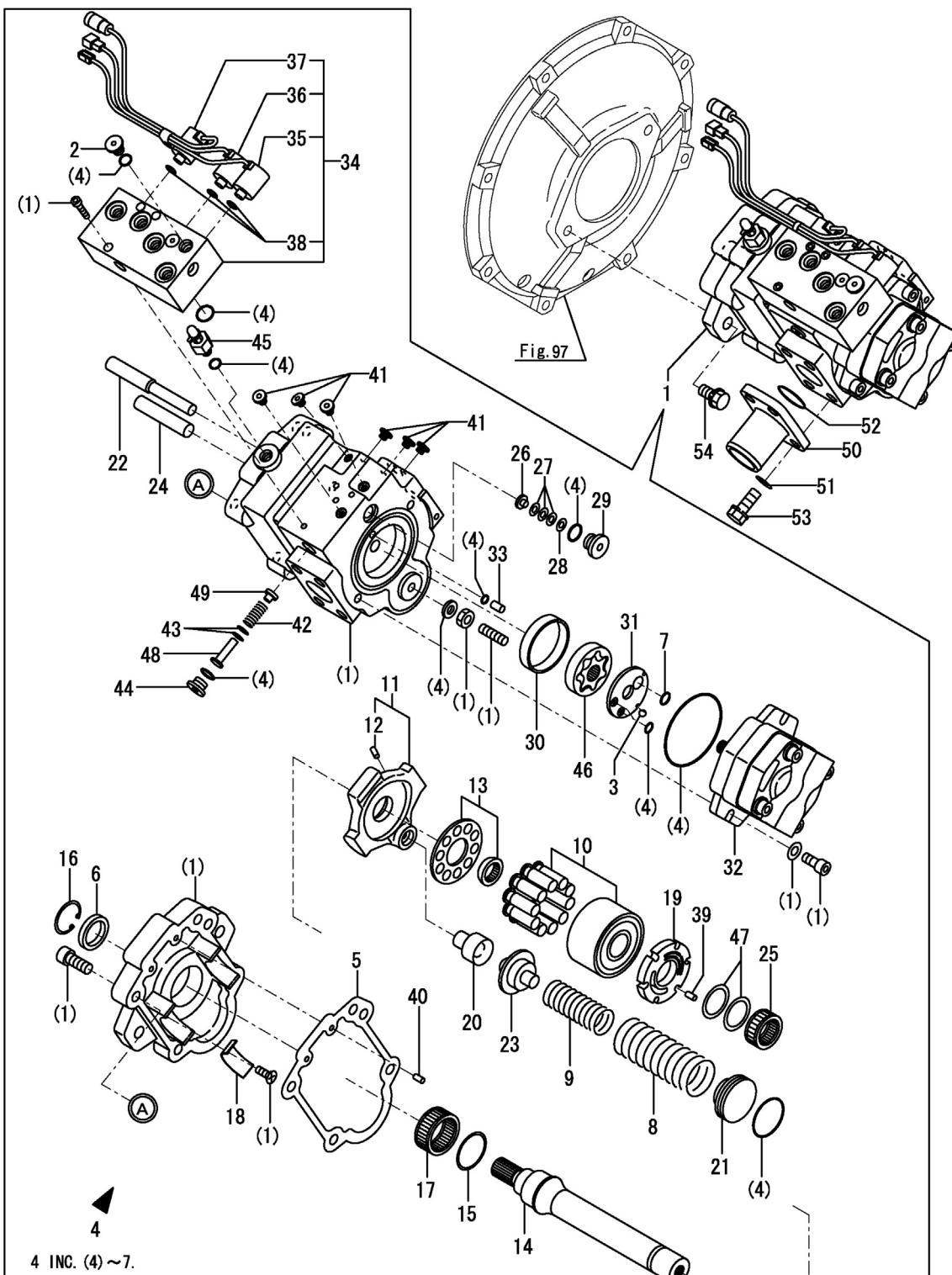
**Z35 GEN:2 - COMPACT EXCAVATOR**  
**FIG. 97 - HYD. OIL PUMP MOUNT**

Ref.

No.	Part No.	Description	Qty.
1	50287092	COVER, FLYWHEEL	1
2	50282517	BOLT M10X 30	6
3	50282521	BOLT M10X 50	2
4	50282802	COUPLING	1
5	50284137	BOLT M12 X 40	3

# Z35 GEN:2 - COMPACT EXCAVATOR

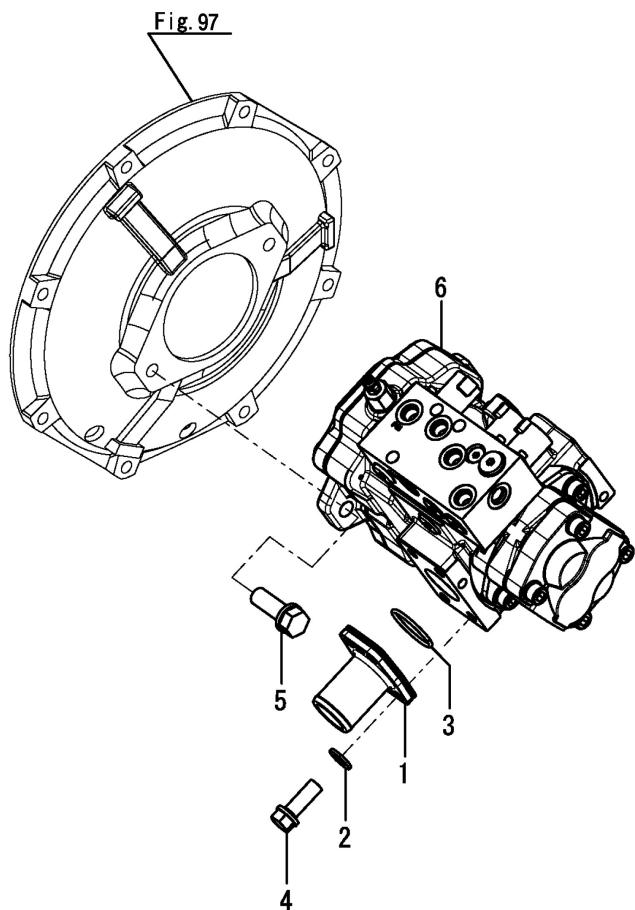
## FIG. 98 - HYD. OIL PUMP



**Z35 GEN:2 - COMPACT EXCAVATOR**  
**FIG. 98 - HYD. OIL PUMP**

Ref.	No.	Part No.	Description	Qty.	Ref.	No.	Part No.	Description	Qty.
	1	50284630	PUMP ASSY, 3 SOL	1		48	50282832	PIN	1
	2	50280836	PLUG	1		49	50282833	POPPET	1
	3	50282704	BALL	1		50	50282806	FLANGE	1
	4	50283125	SEAL KIT	1		51	50282378	WASHER 12	4
	5	50283131	GASKET	1		52	50284082	O-RING 1A G-45.0	1
	6	50283133	OIL SEAL	1		53	50282525	BOLT W/WASHER M12X30	4
	7	50283149	O-RING	1		54	50284102	BOLT M12 X 35	2
	8	50284393	SPRING	1					
	9	50284631	SPRING	1					
	10	50283126	CYLINDER BLOCK KIT	1					
	11	50284632	PLATE S/A,SWASH	1					
	12	50282849	ORIFICE	1					
	13	50283127	RETAINER	1					
	14	50283129	SHAFT	1					
	15	50283130	WASHER	1					
	16	50283132	RING	1					
	17	50283134	BEARING	1					
	18	50283135	BUSHING	2					
	19	50283137	PLATE, VALVE	1					
	20	50283138	HOLDER	1					
	21	50283214	SEAT, SPRING	1					
	22	50283139	PIN	1					
	23	50282825	SHEET,SPRING	1					
	24	50283140	PIN	1					
	25	50283142	BEARING	1					
	26	50283143	STOPPER	1					
	27	50283144	SPRING	3					
	28	50283145	WASHER	1					
	29	50283146	PLUG	1					
	30	50283147	BUSHING	1					
	31	50283148	PLATE	1					
	32	50284391	GEAR PUMP	1					
	33	50283150	PIN	1					
	34	50283296	VALVE	1					
	35	50283176	SOLENOID B	1					
	36	50283177	SOLENOID A	1					
	37	50283178	SOLENOID C	1					
	38	50284087	O-RING 2 19011	3					
	39	50282708	PIN	1					
	40	50282708	PIN	2					
	41	50282919	PLUG	6					
	42	50282826	SPRING	1					
	43	50282827	SHIM	2					
	44	50282828	PLUG	1					
	45	50282829	BREEDER, AIR	1					
	46	50282830	ROTOR ASSY,TROCHOID	1					
	47	50282831	THRUST WASHER	2					

**Z35 GEN:2 - COMPACT EXCAVATOR**  
**FIG. 99 - HYD. OIL PUMP (ESS) (WITH A/C ONLY)**



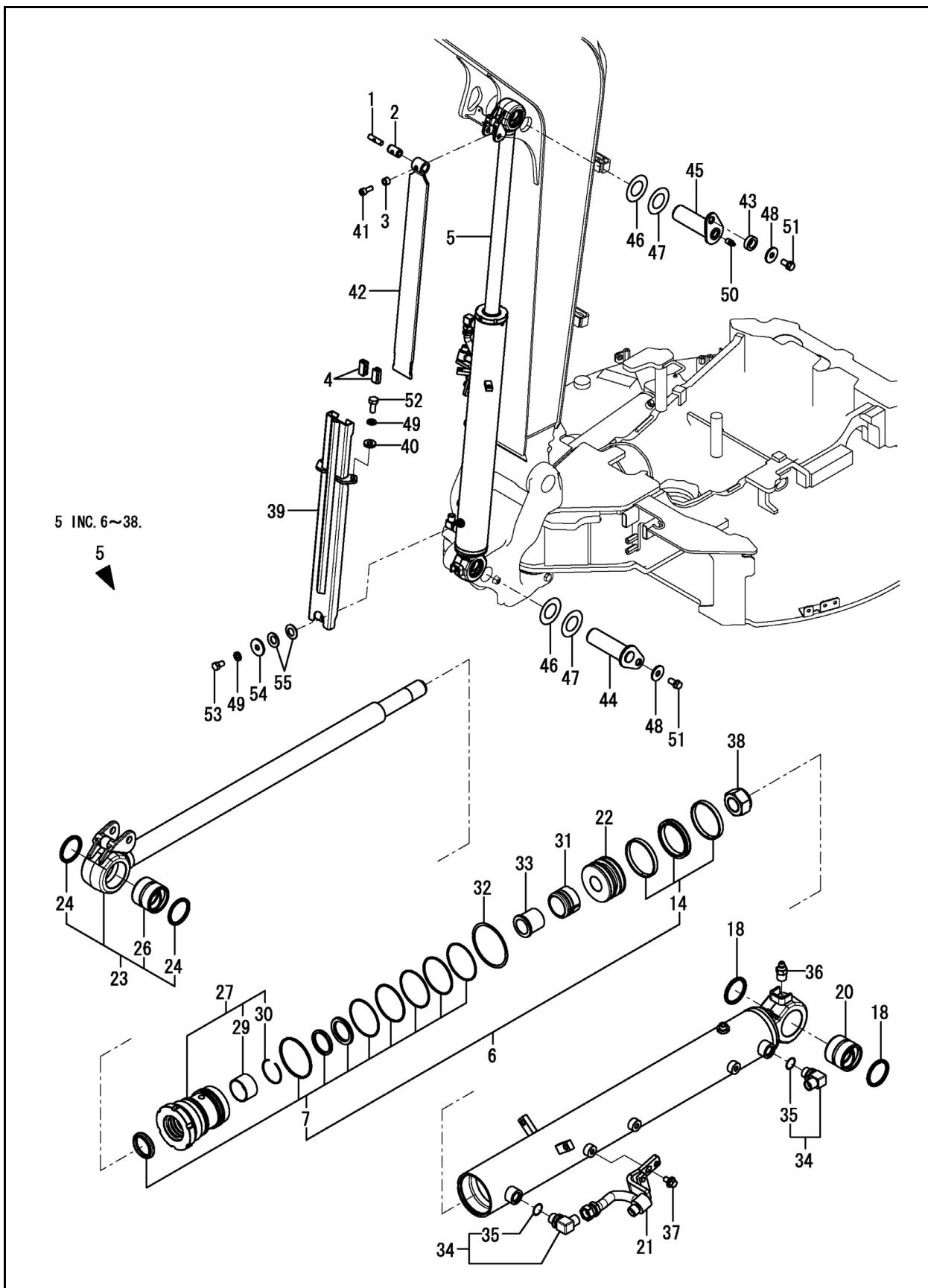
**Z35 GEN:2 - COMPACT EXCAVATOR**  
**FIG. 99 - HYD. OIL PUMP (ESS) (WITH A/C ONLY)**

Ref.

No.	Part No.	Description	Qty.
1	50282806	FLANGE	1
2	50282378	WASHER 12	4
3	50284082	O-RING 1A G-45.0	1
4	50282525	BOLT W/WASHER M12X30	4
5	50284102	BOLT M12 X 35	2
6	50287839	PUMP ASSY,AIRCON	1

# Z35 GEN:2 - COMPACT EXCAVATOR

## FIG. 100 - BOOM CYLINDER



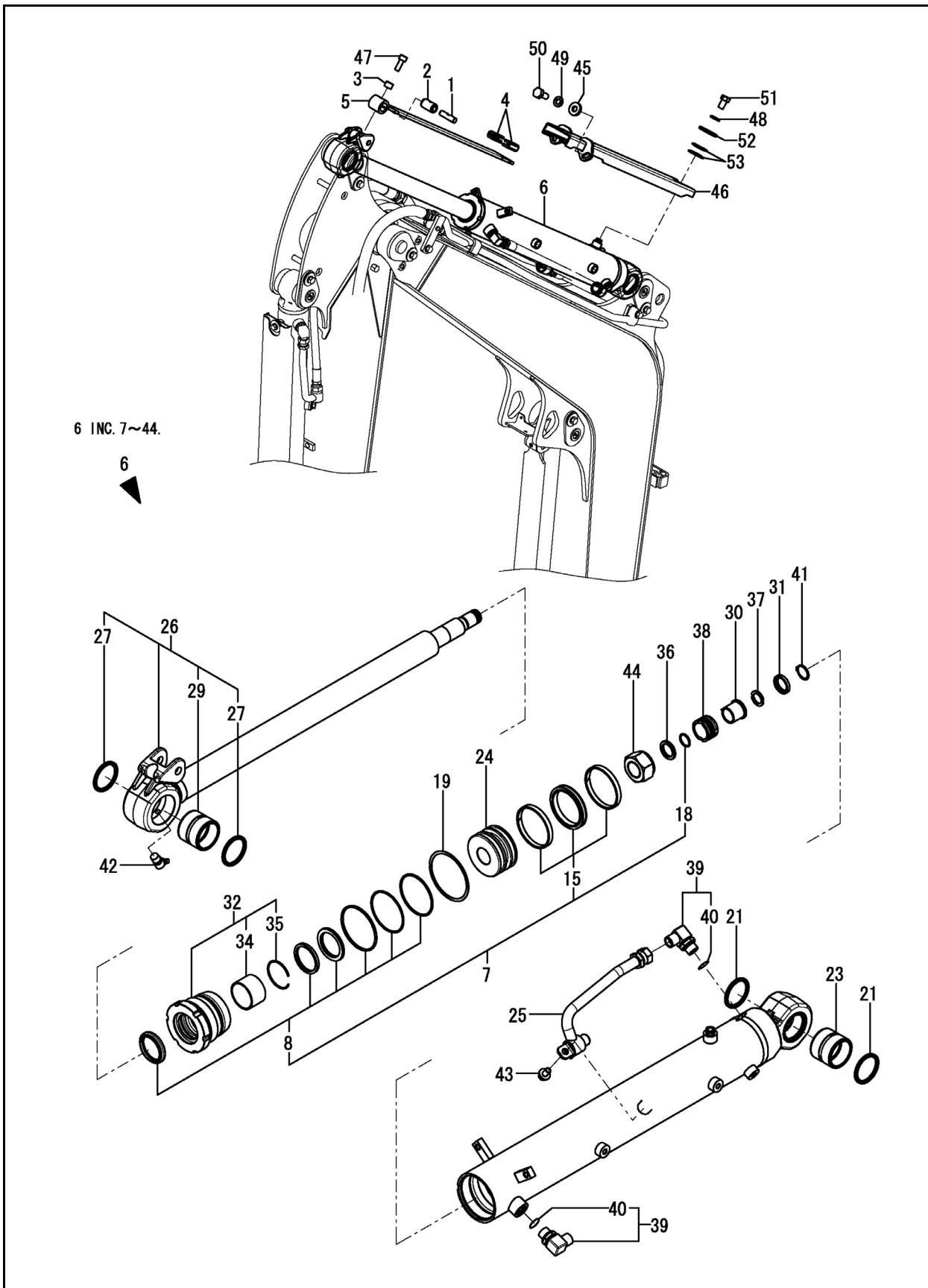
**Z35 GEN:2 - COMPACT EXCAVATOR**  
**FIG. 100 - BOOM CYLINDER**

Ref.

No.	Part No.	Description	Qty.
1	50283319	SHAFT,14X54	1
2	50283320	GROMMET	1
3	50283344	SPACER	1
4	50283321	SLIDE GUIDE	2
5	50287782	CYLINDER ASSY, BOOM	1
6	50286733	CYLINDER SEAL KIT 85 X 45	1
7	50287780	SEAL SET, HEAD 85X45	1
14	50287792	SEAL SET, PISTON 85	1
18	50281061	SEAL 50X60X4,DUST	2
20	50287794	BUSH, 50X60X50	1
21	50287785	PIPE ASSY, BOOM	1
22	50287786	PISTON, 85 33	1
23	50287787	ROD ASSY, BOOM	1
24	50281061	SEAL 50X60X4,DUST	2
26	50287794	BUSH, 50X60X50	1
27	50287790	HEAD ASSY, 85 45	1
29	50284094	BUSHING	1
30	50284876	RING 55, SPRING	1
31	50284352	PLUNGER 56,CUSHON	1
32	50282737	LOCK WASHER 85	1
33	50284353	COLLAR 33 44,CUSHON	1
34	50280814	CONNECTOR 1/2L	2
35	50282474	O-RING 1B P-18.0	2
36	50282497	NIPPLE PT1/8,GREASE	1
37	50282515	BOLT W/WASHER M10X20	1
38	50284149	U-NUT M33	1
39	50287789	GUIDE ASSY, 747	1
40	50283985	COLLOR	2
41	50283655	BOLT M16X16	1
42	50283657	PLATE, SLIDE	1
43	50280892	SPACER	1
44	50287999	PIN ASSY,50X158 B	1
45	50288002	PIN ASSY,50X158 A	1
46	50280899	SHIM 50X90X0.5	2
47	50280900	SHIM 50X90X1.2	2
48	50282388	WASHER 12	2
49	50282393	SPRING WASHER 10	3
50	50282497	NIPPLE PT1/8,GREASE	1
51	50284101	BOLT M12 X 25	2
52	50284106	BOLT M10 X 25	2
53	50284117	BOLT M10 X 16 PLATED	1
54	50282617	WASHER, BRAKE ARM	1
55	50282620	SPRING 16	2

# Z35 GEN:2 - COMPACT EXCAVATOR

## FIG. 101 - ARM CYLINDER



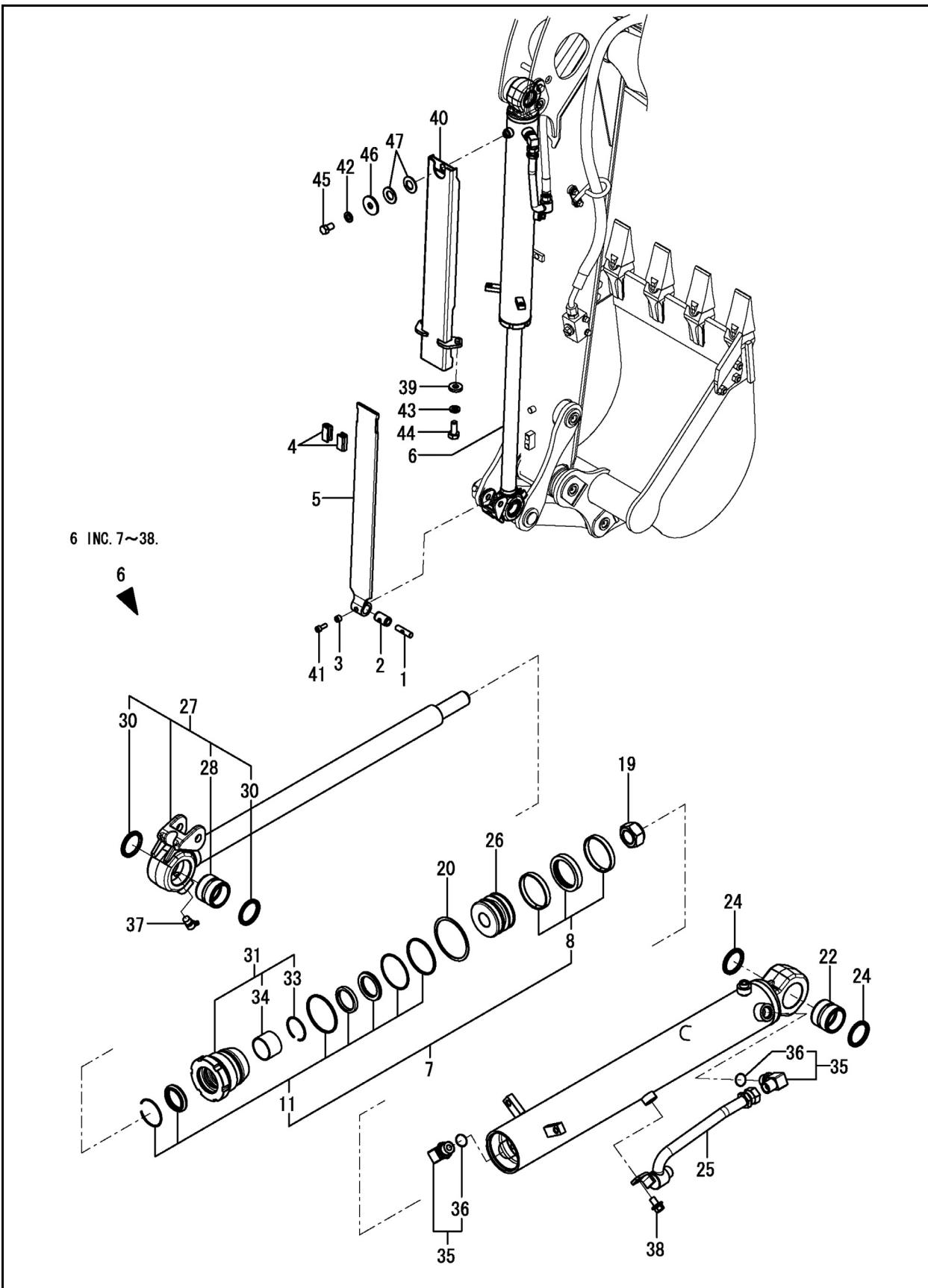
**Z35 GEN:2 - COMPACT EXCAVATOR**  
**FIG. 101 - ARM CYLINDER**

Ref.

No.	Part No.	Description	Qty.
1	50283319	SHAFT,14X54	1
2	50283320	GROMMET	1
3	50283344	SPACER	1
4	50283321	SLIDE GUIDE	2
5	50287797	PLATE, SLIDE 650	1
6	50287804	CYLINDER ASSY,ARM Q	1
7	50286745	CYLINDER SEAL KIT 85 X 50	1
8	50287781	SEAL SET, HEAD 85X50	1
15	50287792	SEAL SET, PISTON 85	1
18	50284079	O-RING 1B P-22.0	1
19	50282737	LOCK WASHER 85	1
21	50281061	SEAL 50X60X4,DUST	2
23	50280838	BUSHING 50X60	1
24	50287799	PISTON, 85 33	1
25	50287412	PIPE ASSY,ARM	1
26	50287802	ROD ASSY, ARM	1
27	50281061	SEAL 50X60X4,DUST	2
29	50280838	BUSHING 50X60	1
30	50283046	COLLAR 26 32,CUSHION	1
31	50283047	COVER,STOPPER	1
32	50287805	HEAD ASSY, 85 50 Q	1
34	50282762	BUSHING 50 35, ROD	1
35	50284151	RING 60, SPRING	1
36	50281010	SPACER	1
37	50281011	STOPPER	2
38	50283123	PLUNGER	1
39	50280814	CONNECTOR 1/2L	2
40	50282474	O-RING 1B P-18.0	2
41	50284044	CIRCLIP 26	1
42	50282498	NIPPLE B,GREASE	1
43	50282538	BOLT M10X 20	1
44	50284149	U-NUT M33	1
45	50283985	COLLOR	2
46	50287819	GUIDE ASSY, 655	1
47	50283655	BOLT M16X16	1
48	50282393	SPRING WASHER 10	1
49	50282393	SPRING WASHER 10	2
50	50284106	BOLT M10 X 25	2
51	50284117	BOLT M10 X 16 PLATED	1
52	50282617	WASHER, BRAKE ARM	1
53	50282620	SPRING 16	2

# Z35 GEN:2 - COMPACT EXCAVATOR

## FIG. 102 - BUCKET CYLINDER



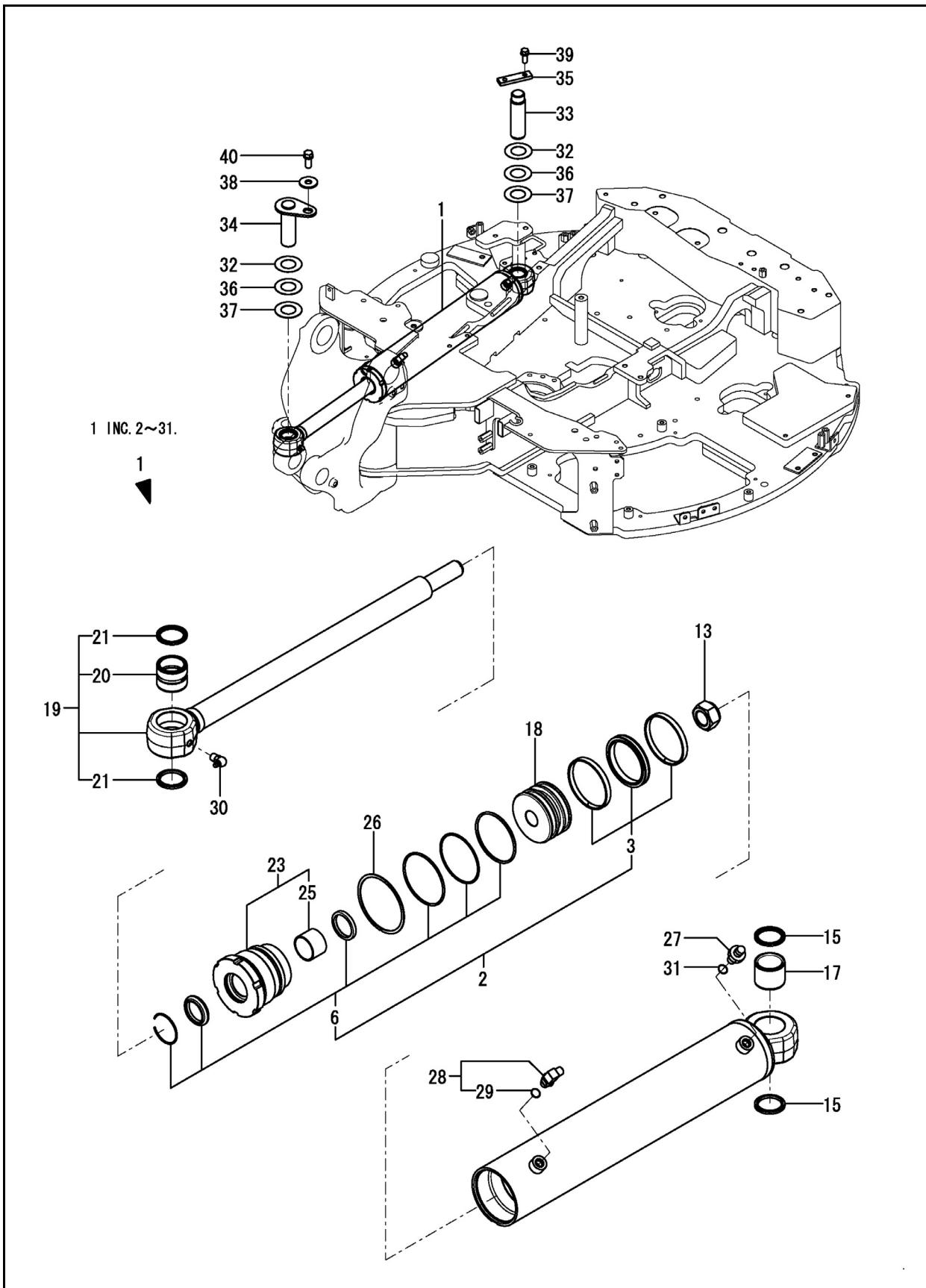
**Z35 GEN:2 - COMPACT EXCAVATOR**  
**FIG. 102 - BUCKET CYLINDER**

Ref.

No.	Part No.	Description	Qty.
1	50283319	SHAFT,14X54	1
2	50283320	GROMMET	1
3	50283344	SPACER	1
4	50283321	SLIDE GUIDE	2
5	50287797	PLATE, SLIDE 650	1
6	50287808	CYLINDER ASSY,BUCKET	1
7	50286734	CYLINDER SEAL KIT 70 X 40	1
8	50287812	SEAL SET, PISTON 70	1
11	50284618	HEAD SEAL SET,70X40	1
19	50280811	U-NUT M27	1
20	50284208	WASHER 70, LOCK	1
22	50282803	BUSHING 40X40	1
24	50282912	SEAL 40X50X4,DUST	2
25	50287811	PIPE ASSY, BUCKET	1
26	50287813	PISTON, 70 27	1
27	50287815	ROD ASSY, BUCKET	1
28	50284226	BUSHING 38X50X40	1
30	50284228	SEAL,DUST 38X50X4	2
31	50287817	HEAD ASSY, 70 40	1
33	50284209	RING 50, SPRING	1
34	50284855	BUSHING 40X30	1
35	50280814	CONNECTOR 1/2L	2
36	50282474	O-RING 1B P-18.0	2
37	50282498	NIPPLE B,GREASE	1
38	50282538	BOLT M10X 20	1
39	50283985	COLLOR	2
40	50287819	GUIDE ASSY, 655	1
41	50283655	BOLT M16X16	1
42	50282393	SPRING WASHER 10	1
43	50282393	SPRING WASHER 10	2
44	50284106	BOLT M10 X 25	2
45	50284117	BOLT M10 X 16 PLATED	1
46	50282617	WASHER, BRAKE ARM	1
47	50282620	SPRING 16	2

# Z35 GEN:2 - COMPACT EXCAVATOR

## FIG. 103 - SWING CYLINDER



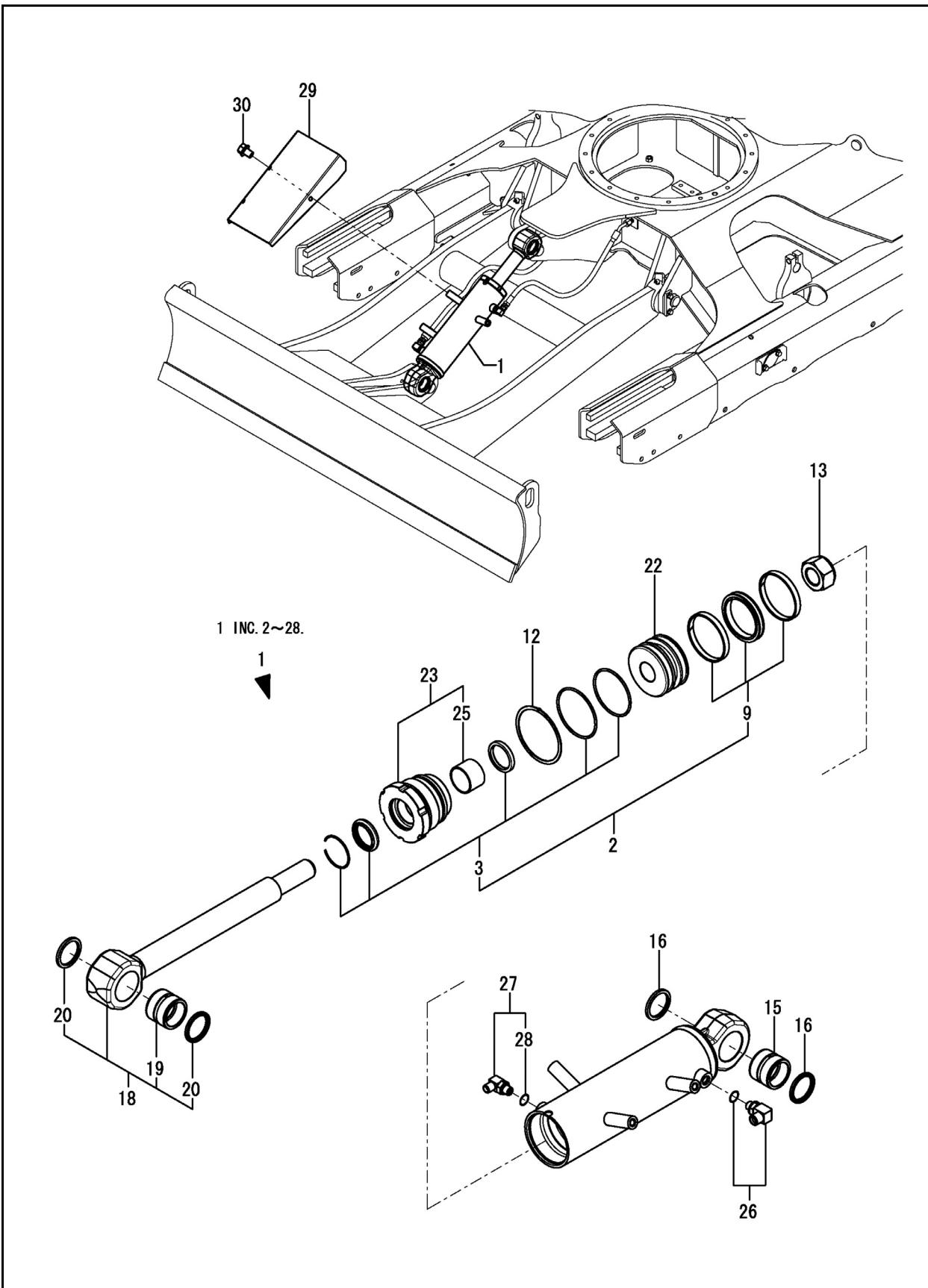
**Z35 GEN:2 - COMPACT EXCAVATOR**  
**FIG. 103 - SWING CYLINDER**

**Ref.**

No.	Part No.	Description	Qty.
1	50287820	CYLINDER ASSY, SWING	1
2	50286735	CYLINDER SEAL KIT 90 X 40	1
3	50287801	SEAL SET, PISTON 90	1
6	50284627	HEAD SEAL SET,90X40	1
13	50280811	U-NUT M27	1
15	50282912	SEAL 40X50X4,DUST	2
17	50283048	BUSHING 40X40,SO	1
18	50287823	PISTON, 90 27	1
19	50287824	ROD ASSY, SWING	1
20	50282803	BUSHING 40X40	1
21	50282912	SEAL 40X50X4,DUST	2
23	50287826	HEAD ASSY,SWING	1
25	50284855	BUSHING 40X30	1
26	50282765	LOCK WASHER 90	1
27	50280792	JOINT PF1/4	1
28	50280813	CONNECTOR ASSY, 02FF	1
29	50282607	PACKING, 11.0	1
30	50282499	NIPPLE C,GREASE	1
31	50282607	PACKING, 11.0	1
32	50284441	SHIM 40X75X0.8	2
33	50284769	PIN 40X123	1
34	50288007	PIN ASSY, 40X122	1
35	50287180	PLATE, LOCK	1
36	50282812	SHIM 40X75X0.5	2
37	50282813	SHIM 40X75X1.2	2
38	50282388	WASHER 12	1
39	50282516	BOLT W/WASHER M10X25	2
40	50282525	BOLT W/WASHER M12X30	1

# Z35 GEN:2 - COMPACT EXCAVATOR

## FIG. 104 - BLADE CYLINDER



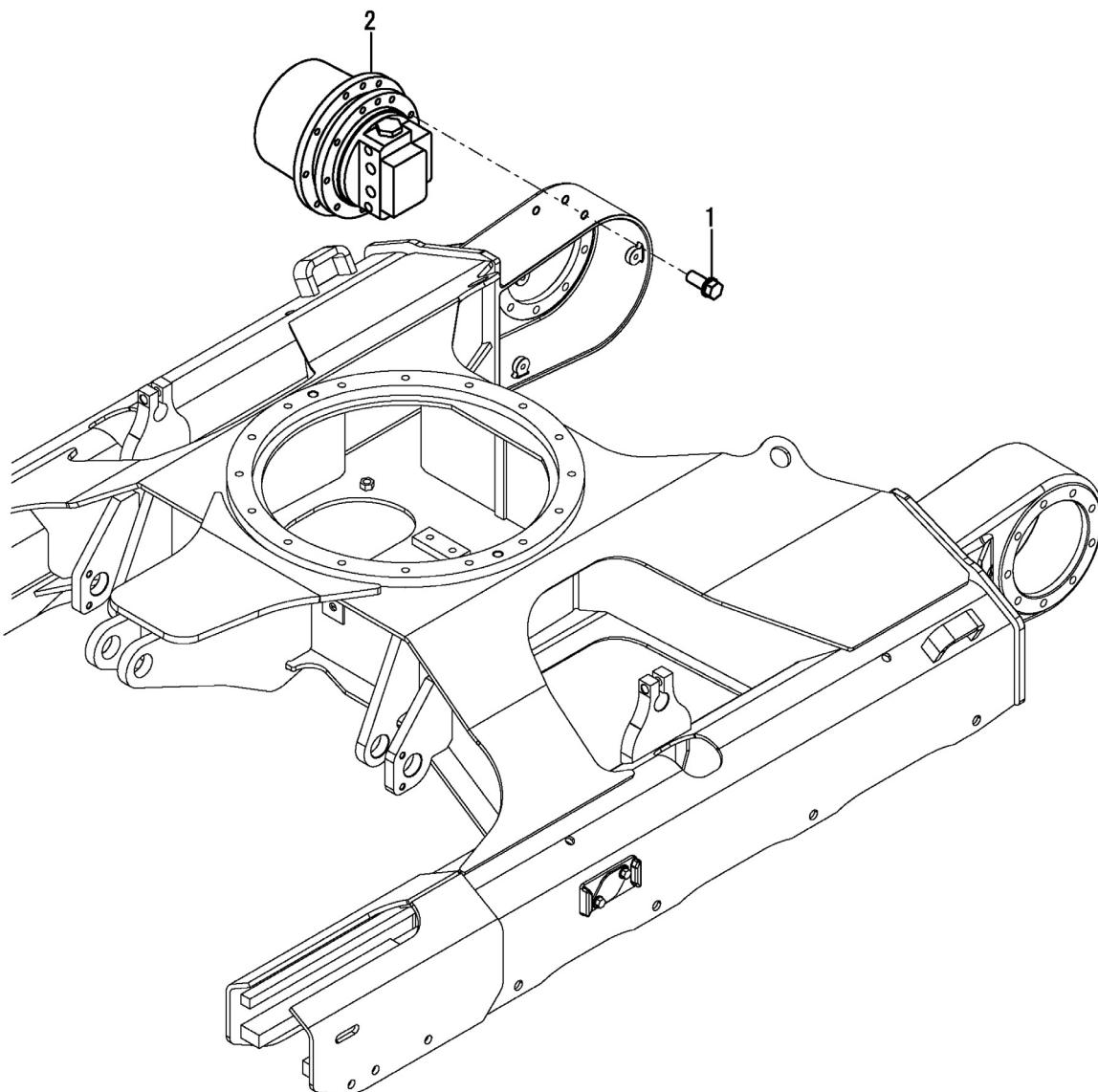
**Z35 GEN:2 - COMPACT EXCAVATOR**  
**FIG. 104 - BLADE CYLINDER**

Ref.

No.	Part No.	Description	Qty.
1	50287828	CYLINDER ASSY, BLADE	1
2	50286736	CYLINDER SEAL KIT 80 X 40	1
3	50284350	SEAL SET,HEAD 80X40	1
9	50287836	SEAL SET, PISTON 80	1
12	50280818	WASHER 80 B	1
13	50284232	U-NUT	1
15	50284227	BUSHING 40X50X40	1
16	50282912	SEAL 40X50X4,DUST	2
18	50287831	ROD ASSY, BLADE	1
19	50284227	BUSHING 40X50X40	1
20	50282912	SEAL 40X50X4,DUST	2
22	50287833	PISTON, 80 30	1
23	50287837	HEAD ASSY, 80 40	1
25	50284855	BUSHING 40X30	1
26	50282820	CONNECTOR	1
27	50280813	CONNECTOR ASSY, 02FF	1
28	50282607	PACKING, 11.0	1
29	50287835	COVER ASSY, BLADE	1
30	50282558	BOLT M10X 12 PLATED	3

## Z35 GEN:2 - COMPACT EXCAVATOR

### FIG. 105 - TRAVEL MOTOR



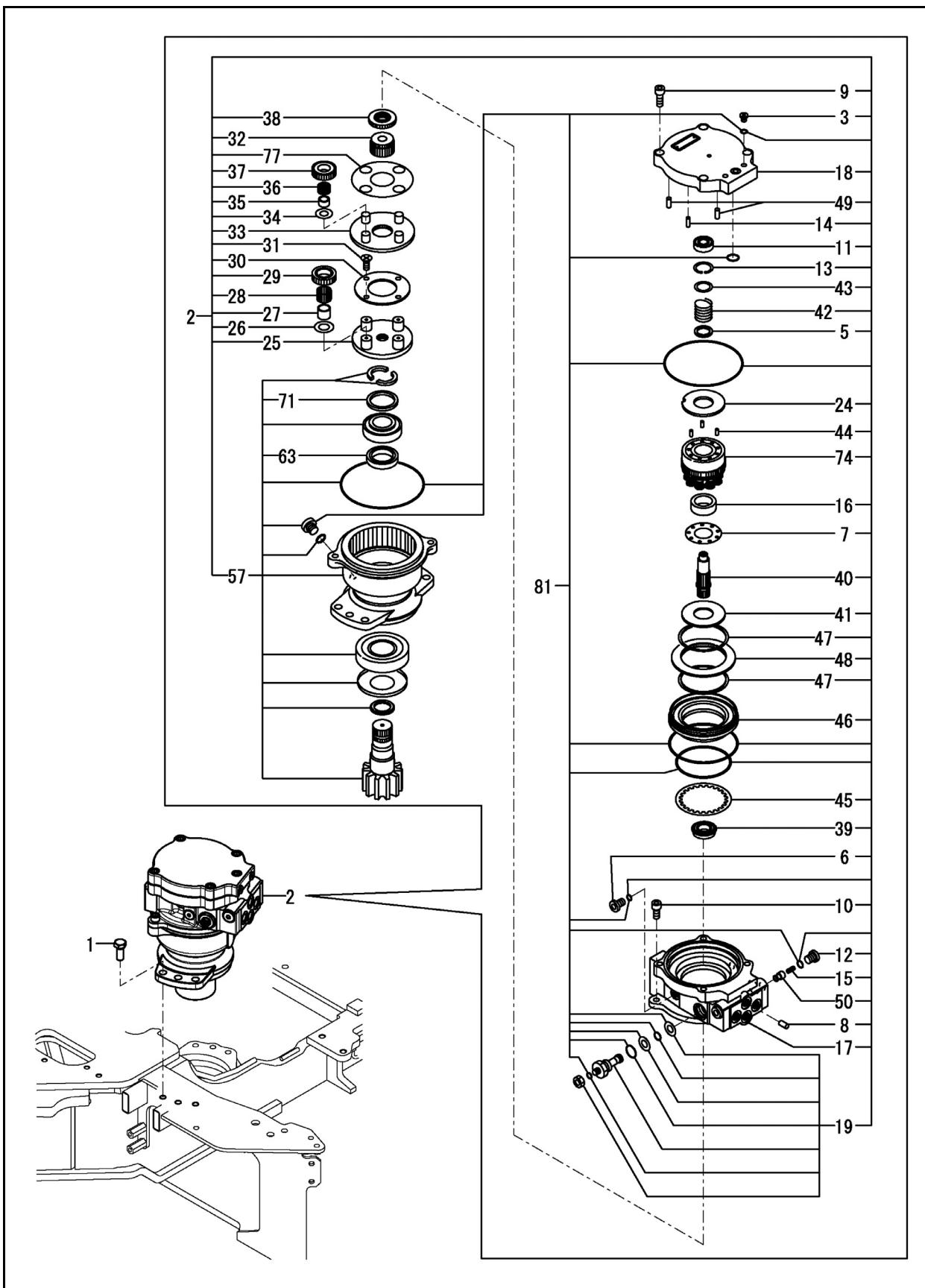
**Z35 GEN:2 - COMPACT EXCAVATOR**  
**FIG. 105 - TRAVEL MOTOR**

Ref.

No.	Part No.	Description	Qty.
1	50282525	BOLT W/WASHER M12X30	18
2	50287840	MOTOR ASSY, TRAVEL	2

# Z35 GEN:2 - COMPACT EXCAVATOR

## FIG. 106 - TURNING MOTOR

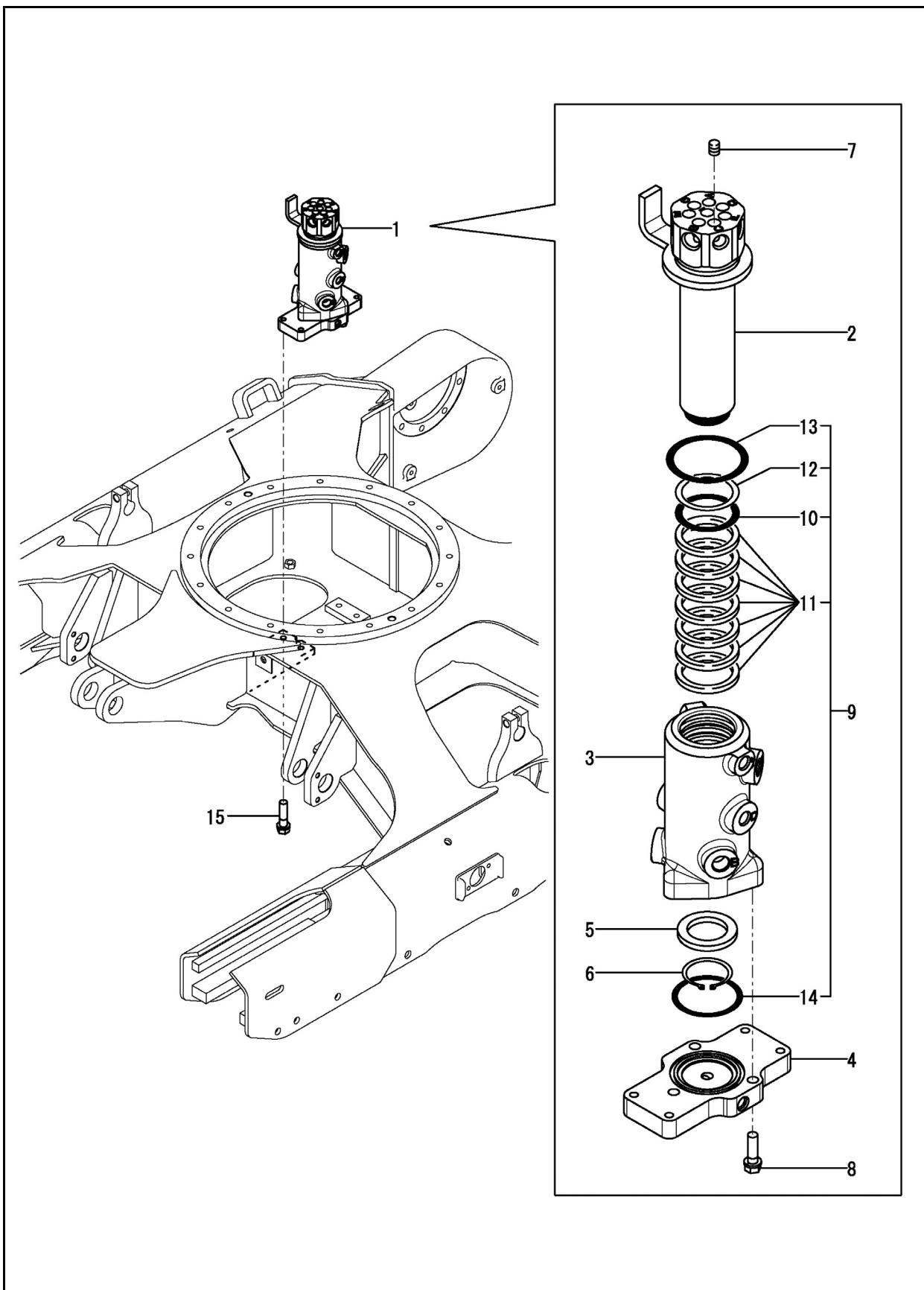


**Z35 GEN:2 - COMPACT EXCAVATOR**  
**FIG. 106 - TURNING MOTOR**

Ref.	No.	Part No.	Description	Qty.	Ref.	No.	Part No.	Description	Qty.
	1	50281066	BOLT 14X35	6		71	50284286	COLLAR	1
	2	50284639	MOTOR ASSY,TURNING	1		74	50284313	KIT,CYLINDER BLOCK	1
	3	50284837	PLUG	2		77	50284314	THRUST PLATE KIT	1
	5	50284214	COLLAR	1		81	50284364	REPAIR KIT	1
	6	50280836	PLUG	1					
	7	50284215	HOLDER, RETAINER	1					
	8	50280796	ORIFICE	1					
	9	50284198	BOLT, SOCKET	5					
	10	50284198	BOLT, SOCKET	2					
	11	50282750	BALL BEARING	1					
	12	50280828	PLUG	2					
	13	50284195	SNAP RING	1					
	14	50282707	PIN	1					
	15	50284404	SPRING	2					
	16	50284252	RETAINER PLATE	1					
	17	50284640	CASE	1					
	18	50284384	PLATE	1					
	19	50284641	RELIEF VALVE	2					
	24	50284385	VALVE PLATE	1					
	25	50284287	HOLDER B	1					
	26	50284288	WASHER,THRUST	4					
	27	50284289	INNER RACE	4					
	28	50284290	NEEDLE BEARING	4					
	29	50284291	PLANETARY GEAR B	4					
	30	50284292	THRUST PLATE	1					
	31	50284293	SCREW	4					
	32	50284294	GEAR B,SUN	1					
	33	50284295	HOLDER	1					
	34	50284296	THRUST WASHER	4					
	35	50284297	INNER RACE	4					
	36	50284298	BEARING, NEEDLE	4					
	37	50284299	PLANETARY GEAR	4					
	38	50284300	DRIVE GEAR	1					
	39	50284301	BALL BEARING	1					
	40	50284302	SHAFT	1					
	41	50284303	PLATE,THRUST	1					
	42	50284304	SPRING	1					
	43	50284305	WASHER	1					
	44	50284306	PIN	3					
	45	50284307	DISK	1					
	46	50284308	PISTON, BRAKE	1					
	47	50284309	SEAT, SPRING	2					
	48	50284310	SPRING ASSY,DISK	1					
	49	50284311	PIN	2					
	50	50284312	CHECK VALVE	2					
	57	50284642	HOUSING ASSY	1					
	63	50284285	SEAL, OIL	1					

# Z35 GEN:2 - COMPACT EXCAVATOR

FIG. 107 - SWIVEL JOINT (Y SPEC.) (SN M00729 AND BEFORE)



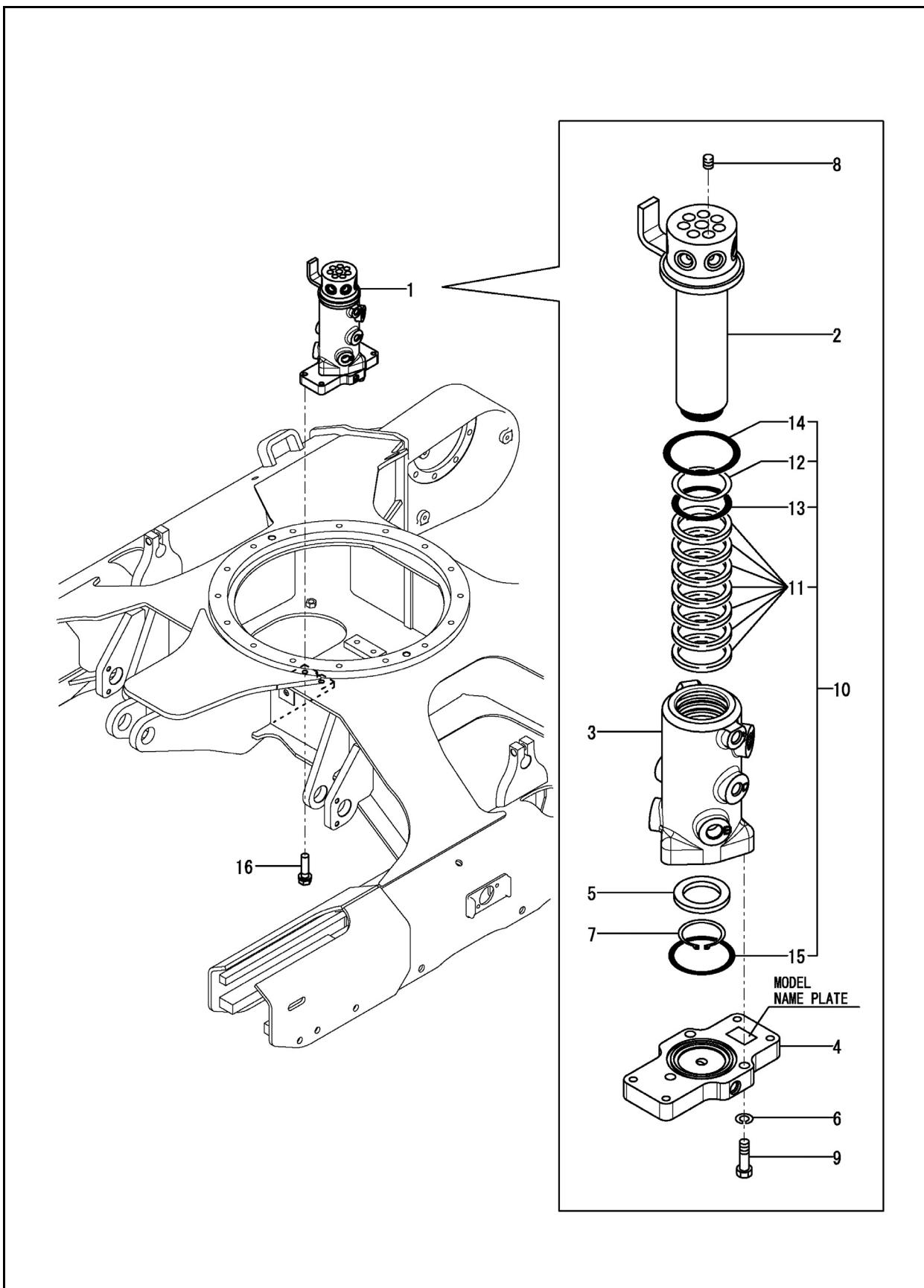
**Z35 GEN:2 - COMPACT EXCAVATOR**  
**FIG. 107 - SWIVEL JOINT (Y SPEC.) (SN M00729 AND BEFORE)**

Ref.

No.	Part No.	Description	Qty.
1	50287413	JOINT ASSY, SWIVEL	1
2	50287843	SHAFT ASSY,SWIVEL	1
3	50282892	HUB, SWIVEL	1
4	50282893	FLANGE, SWIVEL	1
5	50282722	SPACER, SWIVEL	1
6	50284046	CIRCLIP 45	1
7	425-35678	PLUG PT 1/4 SCREW	7
8	50282518	BOLT M10X 35	3
9	50282894	SEAL KIT,SWIVEL	1
10	50282735	O-RING 55.76X5.7	1
11	50282908	SEAL	7
12	50282755	RING EL, BACK UP	1
13	50284077	O-RING 1A P-75.0	1
14	186610	O-RING 1A G70.0 NBR	1
15	50282519	BOLT M10X 40	4

# Z35 GEN:2 - COMPACT EXCAVATOR

FIG. 108 - SWIVEL JOINT (N SPEC.) (SN M00730 AND UP)



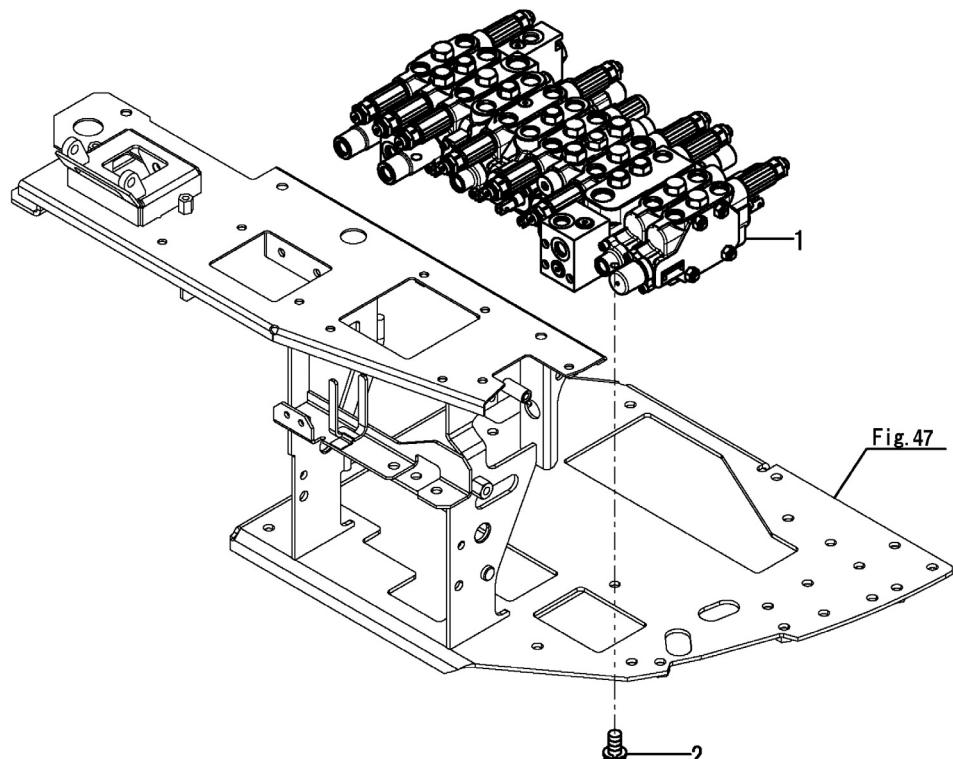
**Z35 GEN:2 - COMPACT EXCAVATOR**  
**FIG. 108 - SWIVEL JOINT (N SPEC.) (SN M00730 AND UP)**

Ref.

No.	Part No.	Description	Qty.
1	50287413	JOINT ASSY, SWIVEL	1
2	50287414	SHAFT ASSY, SWIVEL	1
3	50287415	HUB, SWIVEL	1
4	50287416	FLANGE, SWIVEL	1
5	50287417	SPACER, SWIVEL	1
6	50282393	SPRING WASHER 10	3
7	50284046	CIRCLIP 45	1
8	425-35678	PLUG PT 1/4 SCREW	7
9	50284107	BOLT M10 X 35	3
10	50287420	SEAL KIT, SWIVEL	1
11	50287418	SEAL, SWIVEL	7
12	50287419	RING, BACKUP T3 55	1
13	50288157	O-RING	1
14	50288158	O-RING	1
15	50288162	O-RING	1
16	50282519	BOLT M10X 40	4

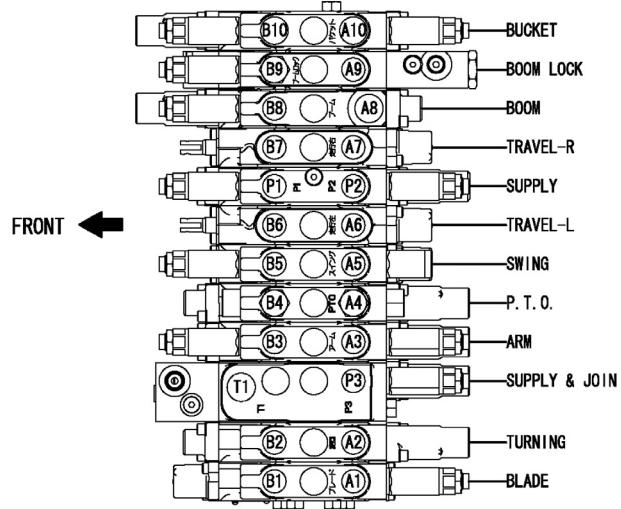
# Z35 GEN:2 - COMPACT EXCAVATOR

## FIG. 109 - CONTROL VALVE (1/7)



CONTROL VALVE ASSY  
Fig.109 Ref. No. 1.  
INC. Fig.110-115.

### CONTROL VALVE



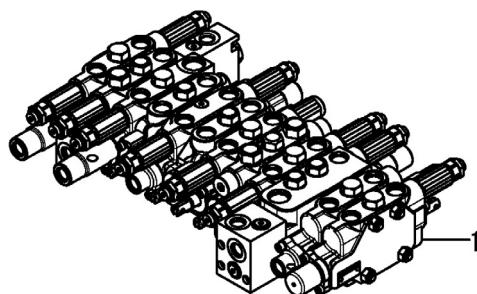
**Z35 GEN:2 - COMPACT EXCAVATOR**  
**FIG. 109 - CONTROL VALVE (1/7)**

Ref.

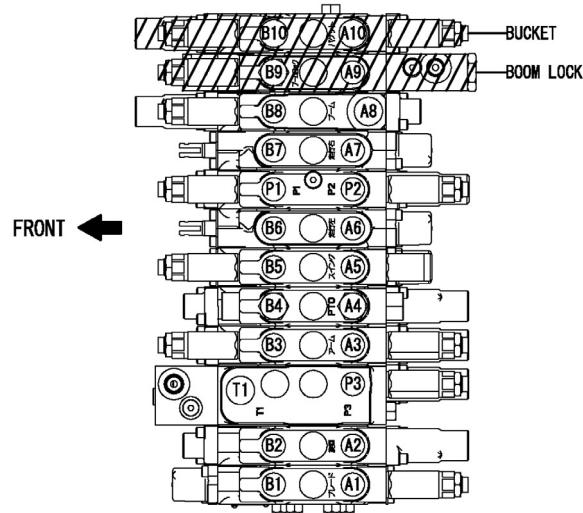
No.	Part No.	Description	Qty.
1	50287844	VALVE ASSY,CV EX	1
2	50282514	BOLT M10X 16	3

# Z35 GEN:2 - COMPACT EXCAVATOR

## FIG. 110 - CONTROL VALVE (2/7)



CONTROL VALVE

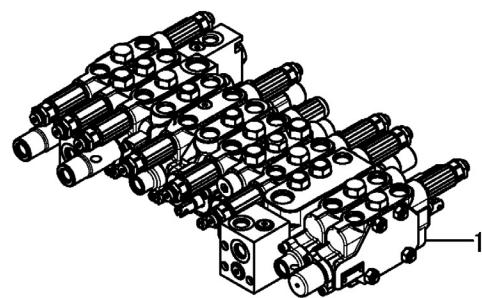


**Z35 GEN:2 - COMPACT EXCAVATOR**  
**FIG. 110 - CONTROL VALVE (2/7)**

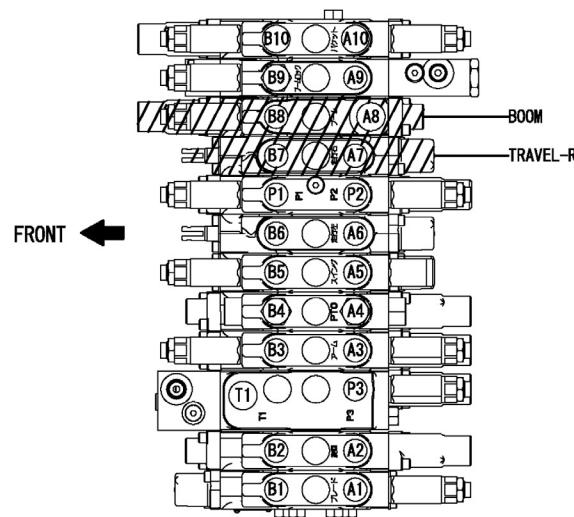
Ref.	No. Part No.	Description	Qty.
1	50287844	VALVE ASSY,CV EX	1

# Z35 GEN:2 - COMPACT EXCAVATOR

## FIG. 111 - CONTROL VALVE (3/7)



CONTROL VALVE

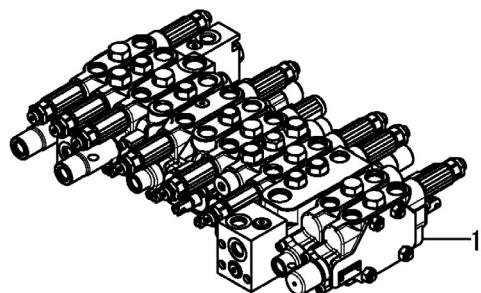


**Z35 GEN:2 - COMPACT EXCAVATOR**  
**FIG. 111 - CONTROL VALVE (3/7)**

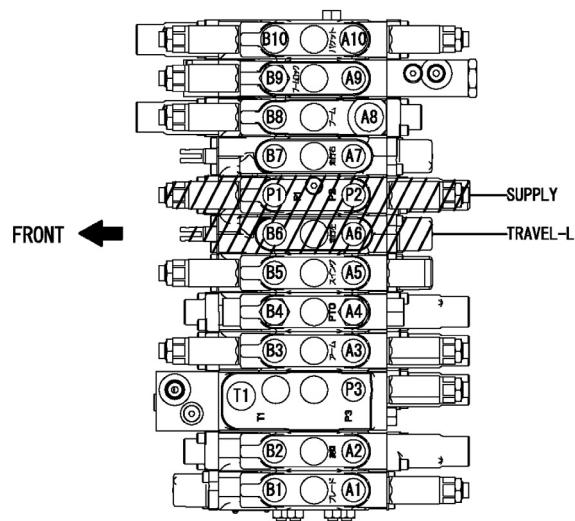
Ref.	No.	Part No.	Description	Qty.
	1	50287844	VALVE ASSY,CV EX	1

# Z35 GEN:2 - COMPACT EXCAVATOR

## FIG. 112 - CONTROL VALVE (4/7)



CONTROL VALVE

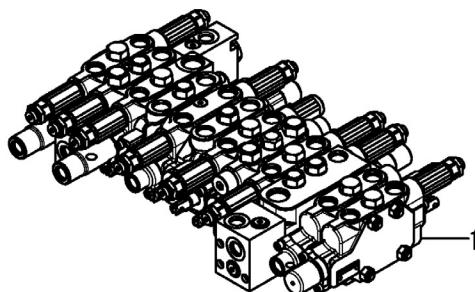


**Z35 GEN:2 - COMPACT EXCAVATOR**  
**FIG. 112 - CONTROL VALVE (4/7)**

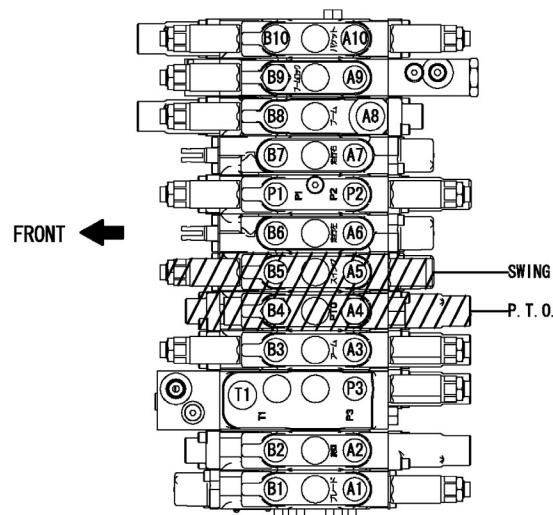
Ref.	No.	Part No.	Description	Qty.
	1	50287844	VALVE ASSY,CV EX	1

# Z35 GEN:2 - COMPACT EXCAVATOR

## FIG. 113 - CONTROL VALVE (5/7)



CONTROL VALVE

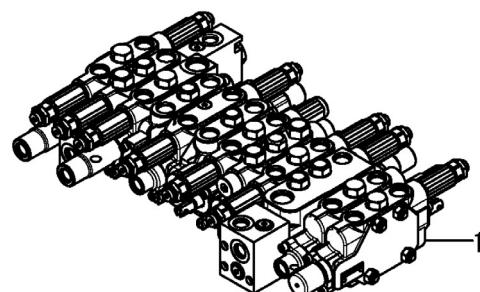


**Z35 GEN:2 - COMPACT EXCAVATOR**  
**FIG. 113 - CONTROL VALVE (5/7)**

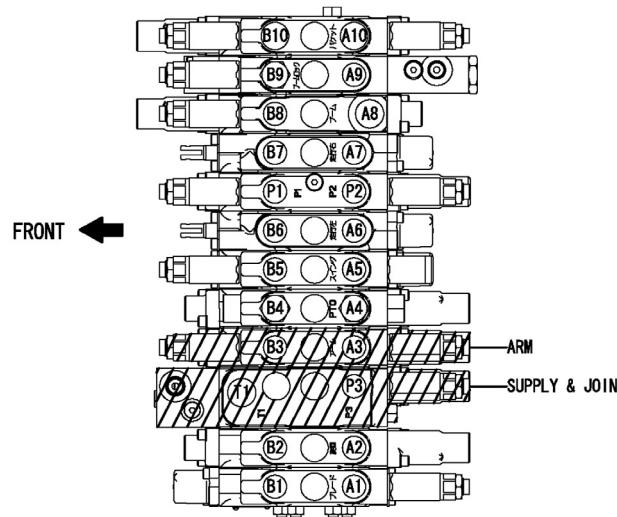
Ref.	No.	Part No.	Description	Qty.
	1	50287844	VALVE ASSY,CV EX	1

# Z35 GEN:2 - COMPACT EXCAVATOR

## FIG. 114 - CONTROL VALVE (6/7)



CONTROL VALVE

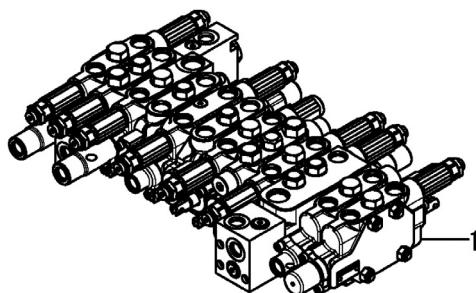


**Z35 GEN:2 - COMPACT EXCAVATOR**  
**FIG. 114 - CONTROL VALVE (6/7)**

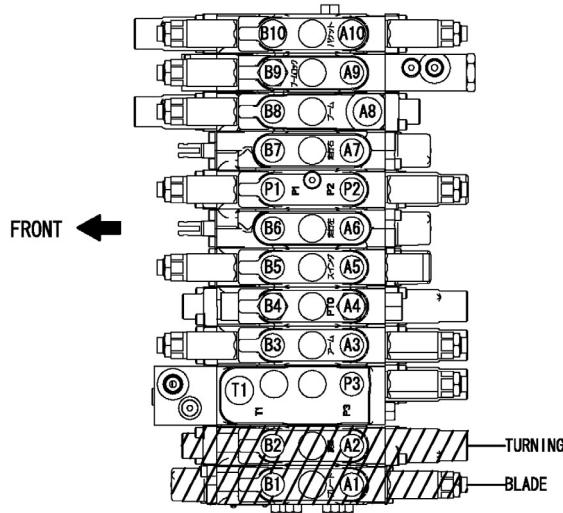
Ref.	No.	Part No.	Description	Qty.
	1	50287844	VALVE ASSY,CV EX	1

# Z35 GEN:2 - COMPACT EXCAVATOR

## FIG. 115 - CONTROL VALVE (7/7)



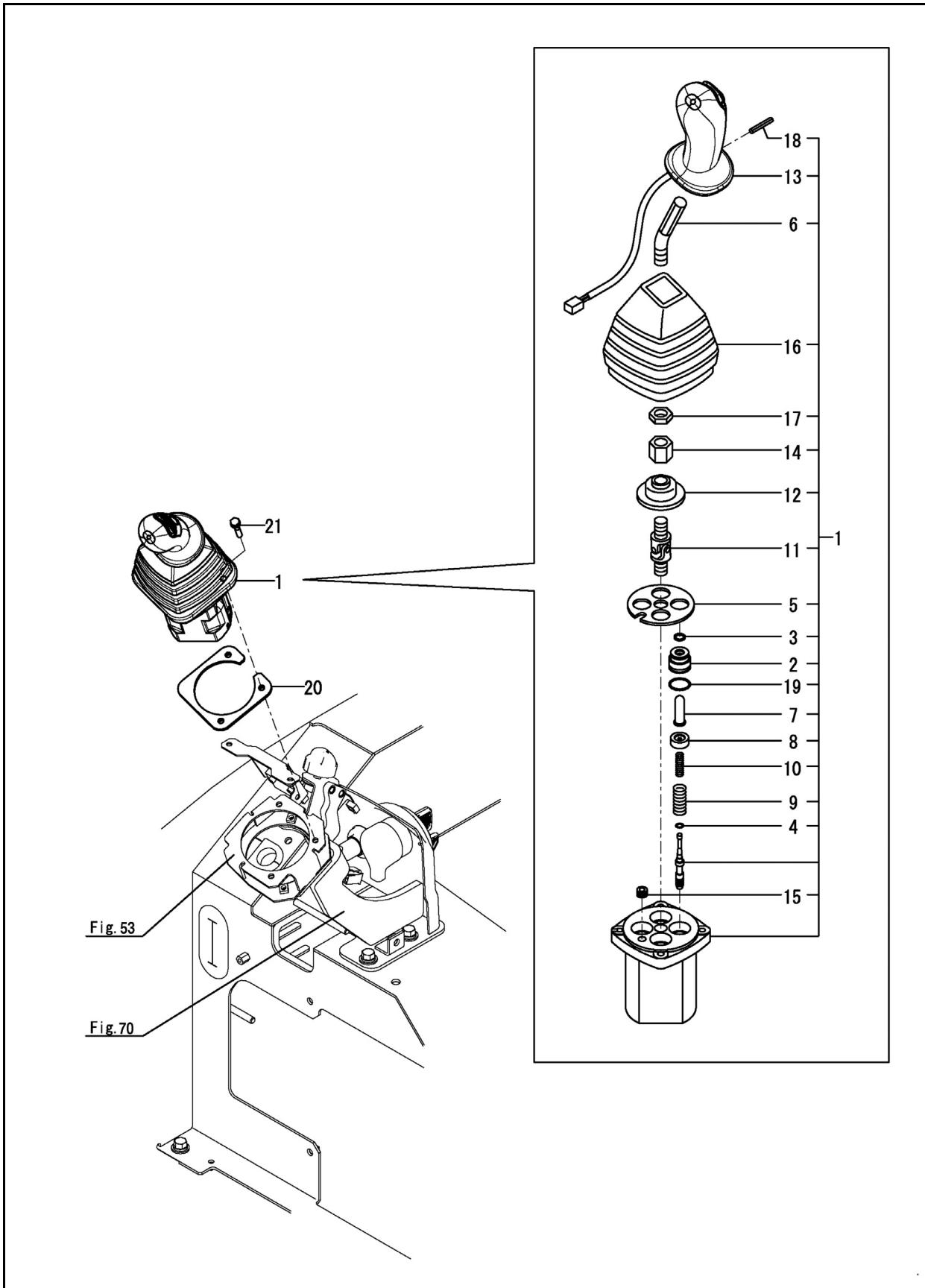
CONTROL VALVE



**Z35 GEN:2 - COMPACT EXCAVATOR**  
**FIG. 115 - CONTROL VALVE (7/7)**

Ref.	No.	Part No.	Description	Qty.
	1	50287844	VALVE ASSY,CV EX	1

**Z35 GEN:2 - COMPACT EXCAVATOR**  
**FIG. 116 - REMOTE CONTROL VALVE (RIGHT)**

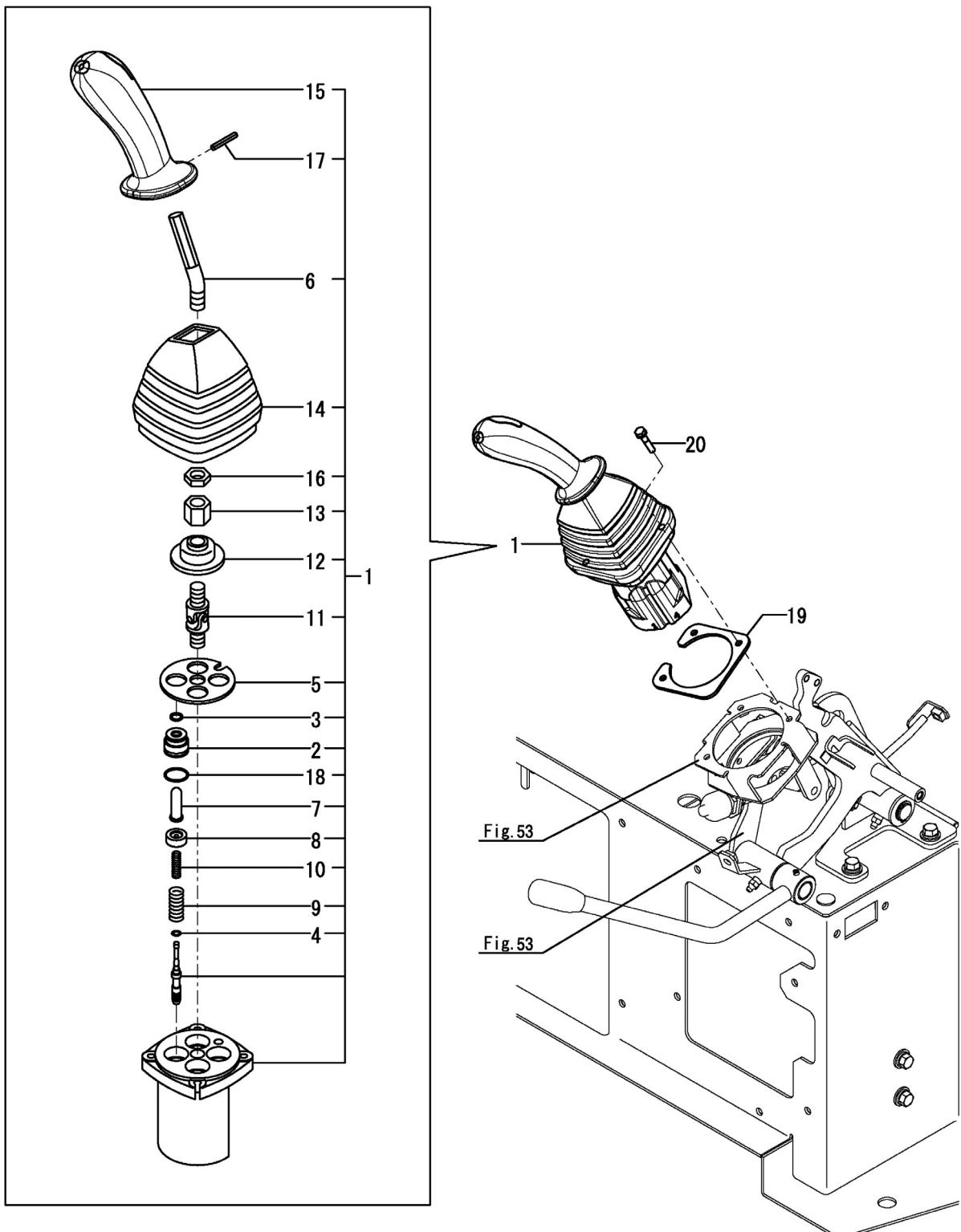


**Z35 GEN:2 - COMPACT EXCAVATOR**  
**FIG. 116 - REMOTE CONTROL VALVE (RIGHT)**

Ref.

No.	Part No.	Description	Qty.
1	50287847	VALVE ASSY,R-PB	1
2	50285262	PLUG	4
3	50285263	SEAL	4
4	50285264	WASHER	4
5	50285716	PLATE	1
6	50287849	LEVER	1
7	50285717	ROD,PUSH	4
8	50285718	SEAT,SPRING	4
9	50285719	SPRING	4
10	50285720	SPRING	4
11	50285721	JOINT	1
12	50285722	PLATE,CIRCULAR	1
13	50287850	HANDLE ASSY,PB	1
14	50285723	NUT,ADJUSTING	1
15	50285724	BUSHING	1
16	50285725	BELLOWS	1
17	50285729	NUT,LOCK	1
18	50285732	PIN,SPRING	1
19	50282475	O-RING 1B P-20.0	4
20	50285855	PLATE CMP(VALVE	1
21	50284097	BOLT M6 X 30	3

**Z35 GEN:2 - COMPACT EXCAVATOR**  
**FIG. 117 - REMOTE CONTROL VALVE (LEFT)**



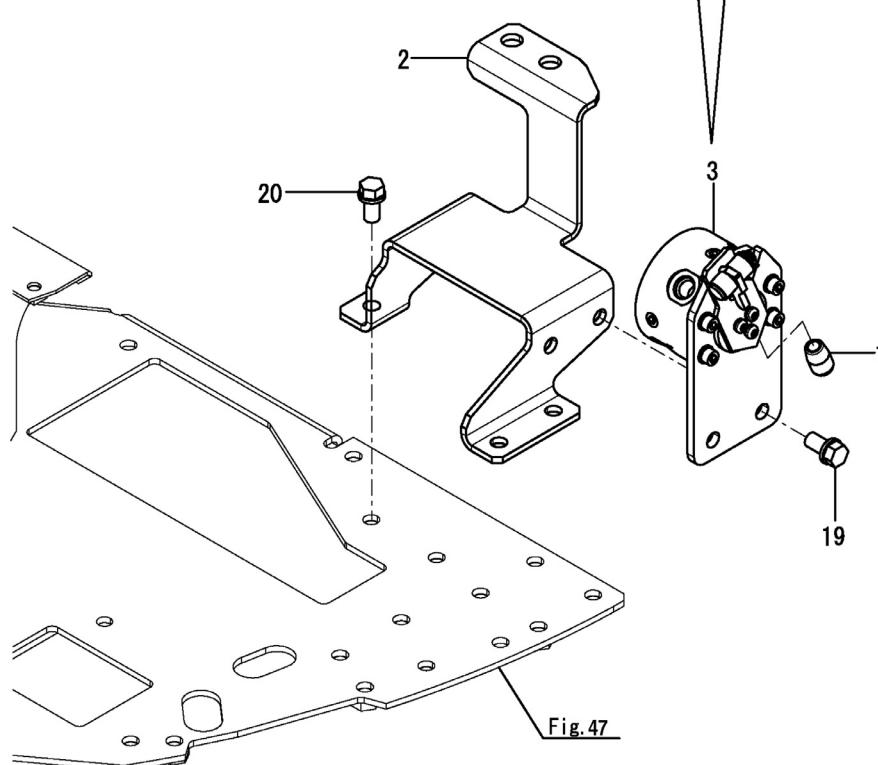
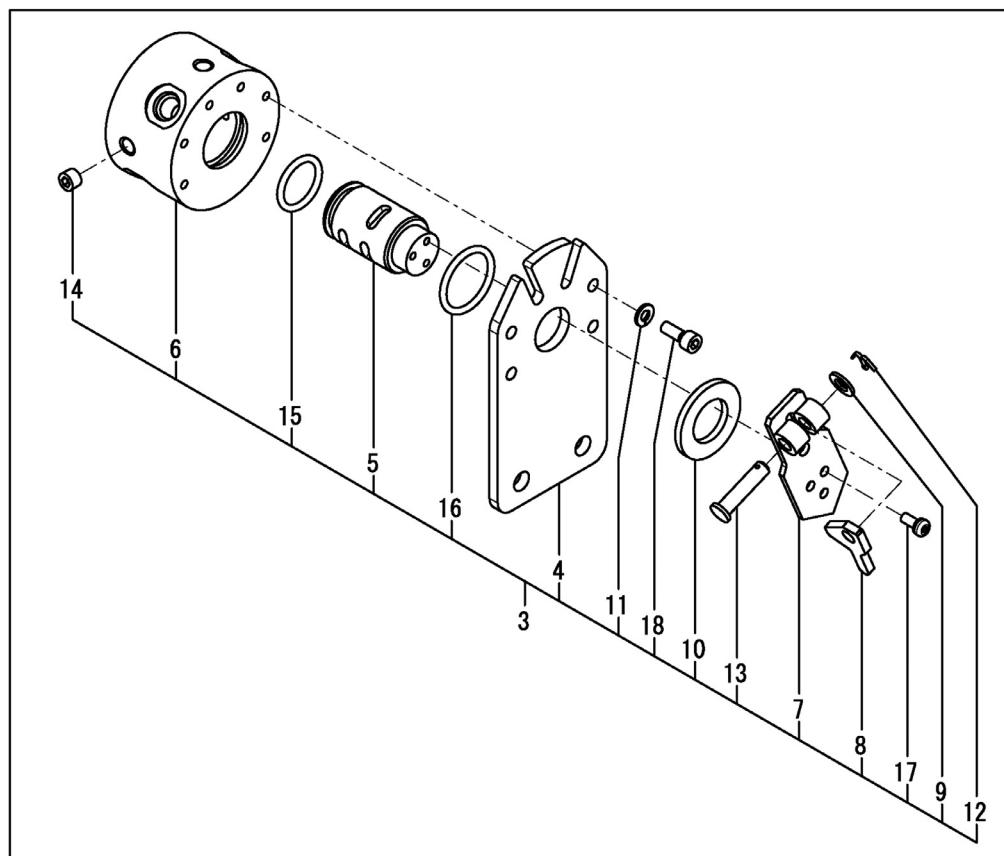
**Z35 GEN:2 - COMPACT EXCAVATOR**  
**FIG. 117 - REMOTE CONTROL VALVE (LEFT)**

Ref.

No.	Part No.	Description	Qty.
1	50287848	VALVE ASSY,L-N	1
2	50285262	PLUG	4
3	50285263	SEAL	4
4	50285264	WASHER	4
5	50285716	PLATE	1
6	50287849	LEVER	1
7	50285717	ROD,PUSH	4
8	50285718	SEAT,SPRING	4
9	50285719	SPRING	4
10	50285720	SPRING	4
11	50285721	JOINT	1
12	50285722	PLATE,CIRCULAR	1
13	50285723	NUT,ADJUSTING	1
14	50285725	BELLOWS	1
15	50287851	HANDLE ASSY,N	1
16	50285729	NUT,LOCK	1
17	50285732	PIN,SPRING	1
18	50282475	O-RING 1B P-20.0	4
19	50285855	PLATE CMP(VALVE	1
20	50284097	BOLT M6 X 30	3

# Z35 GEN:2 - COMPACT EXCAVATOR

## FIG. 118 - 2-WAY VALVE



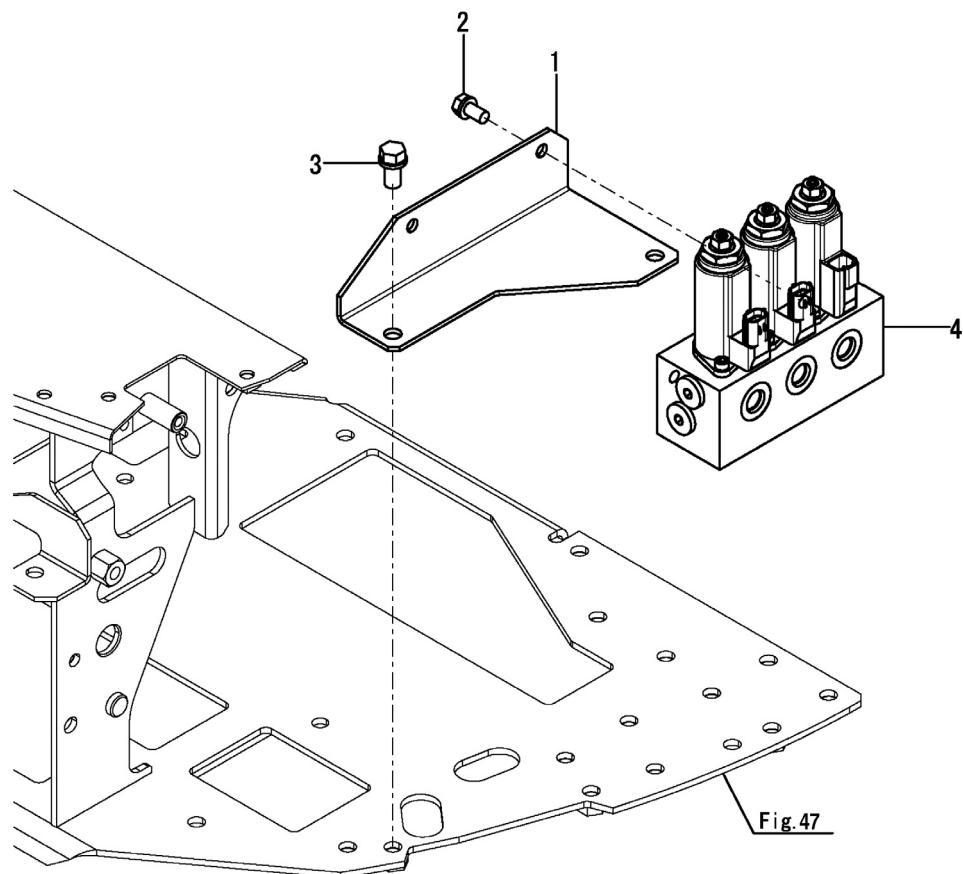
**Z35 GEN:2 - COMPACT EXCAVATOR**  
**FIG. 118 - 2-WAY VALVE**

Ref.

No.	Part No.	Description	Qty.
1	50280849	KNOB 6.5X18X35	1
2	50287845	BRACKET ASSY, 2WAY	1
3	50287852	VALVE ASSY, 2-WAY	1
4	50287846	STAY, 2WAY	1
5	50281040	SHAFT	1
6	50281041	BLOCK,VALVE	1
7	50281427	LEVER	1
8	50281428	PLATE,LOCK	1
9	138515	WASHER 8	1
10	50282384	WASHER 24, POLISHED	1
11	425-34891	SPRING WASHER 6	4
12	50282417	COTTER PIN 2.0X16	1
13	50282421	PIN 8X 30	1
14	50282447	PLUG PT1/8,SCREW	4
15	50282460	O-RING 1A P-25.0	1
16	425-34745	O-RING 1A P-32.0	1
17	425-36271	SCREW M 5 X 12	3
18	50282581	BOLT M 6X 16	4
19	50282515	BOLT W/WASHER M10X20	2
20	50282515	BOLT W/WASHER M10X20	3

## Z35 GEN:2 - COMPACT EXCAVATOR

### FIG. 119 - SOLENOID VALVE (ESS:PTO) (WITH A/C ONLY)



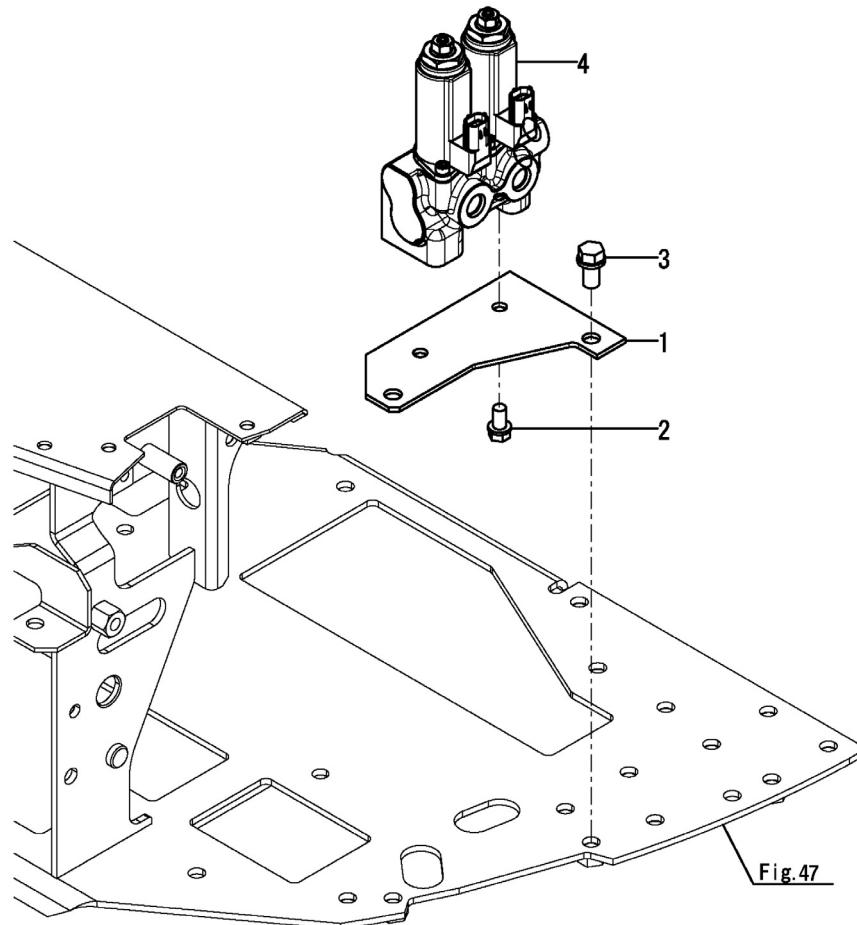
**Z35 GEN:2 - COMPACT EXCAVATOR**  
**FIG. 119 - SOLENOID VALVE (ESS:PTO) (WITH A/C ONLY)**

Ref.

No.	Part No.	Description	Qty.
1	50287858	STAY , SOL 3 K	1
2	50282506	BOLT W/WASHER M8X16	2
3	50282515	BOLT W/WASHER M10X20	2
4	50287854	VALVE ASSY,PPP	1

# Z35 GEN:2 - COMPACT EXCAVATOR

## FIG. 120 - SOLENOID VALVE (PTO)



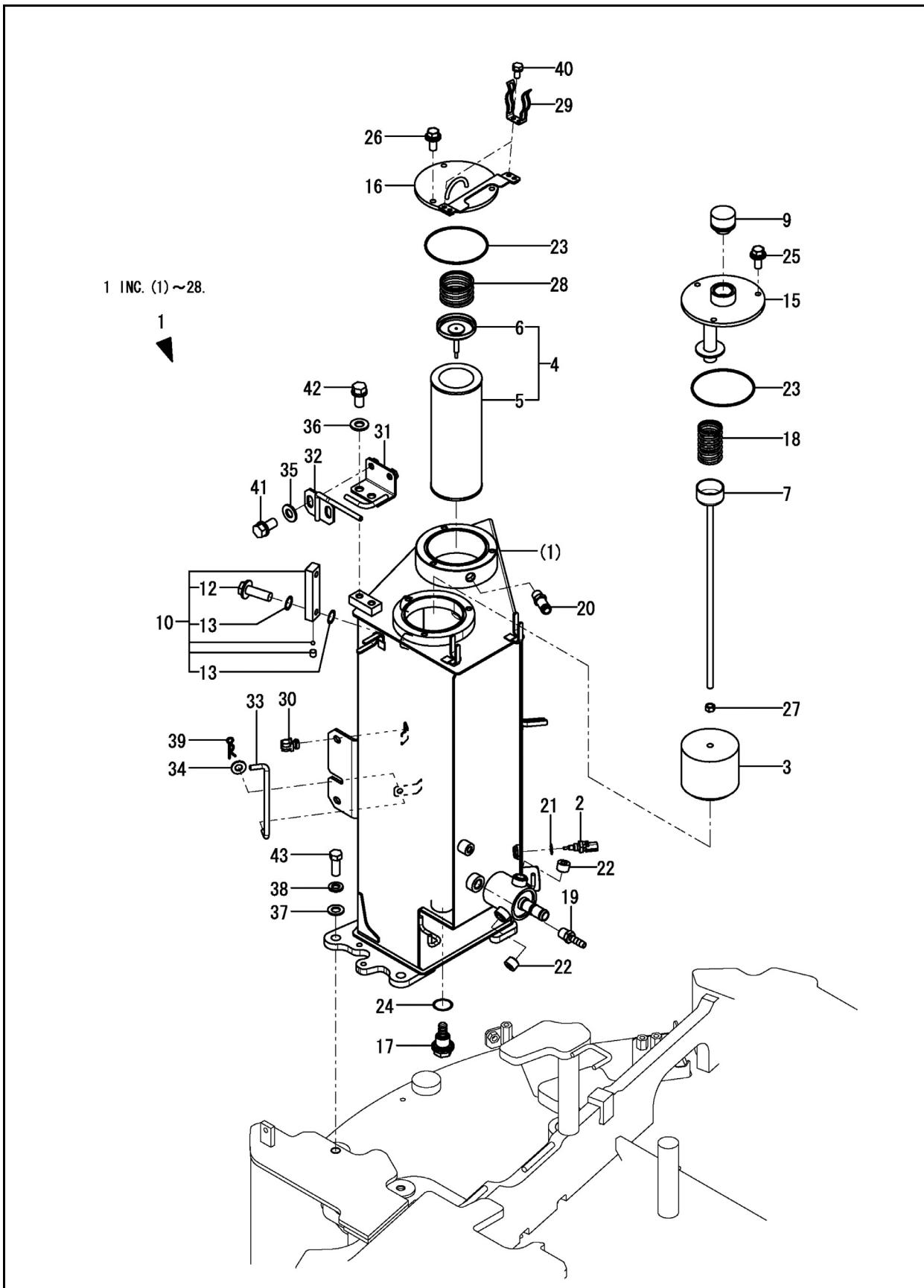
**Z35 GEN:2 - COMPACT EXCAVATOR**  
**FIG. 120 - SOLENOID VALVE (PTO)**

Ref.

No.	Part No.	Description	Qty.
1	50287857	STAY , SOL 2 K	1
2	50282506	BOLT W/WASHER M8X16	2
3	50282515	BOLT W/WASHER M10X20	2
4	50287853	VALVE ASSY,PP	1

# Z35 GEN:2 - COMPACT EXCAVATOR

## FIG. 121 - HYD. OIL TANK

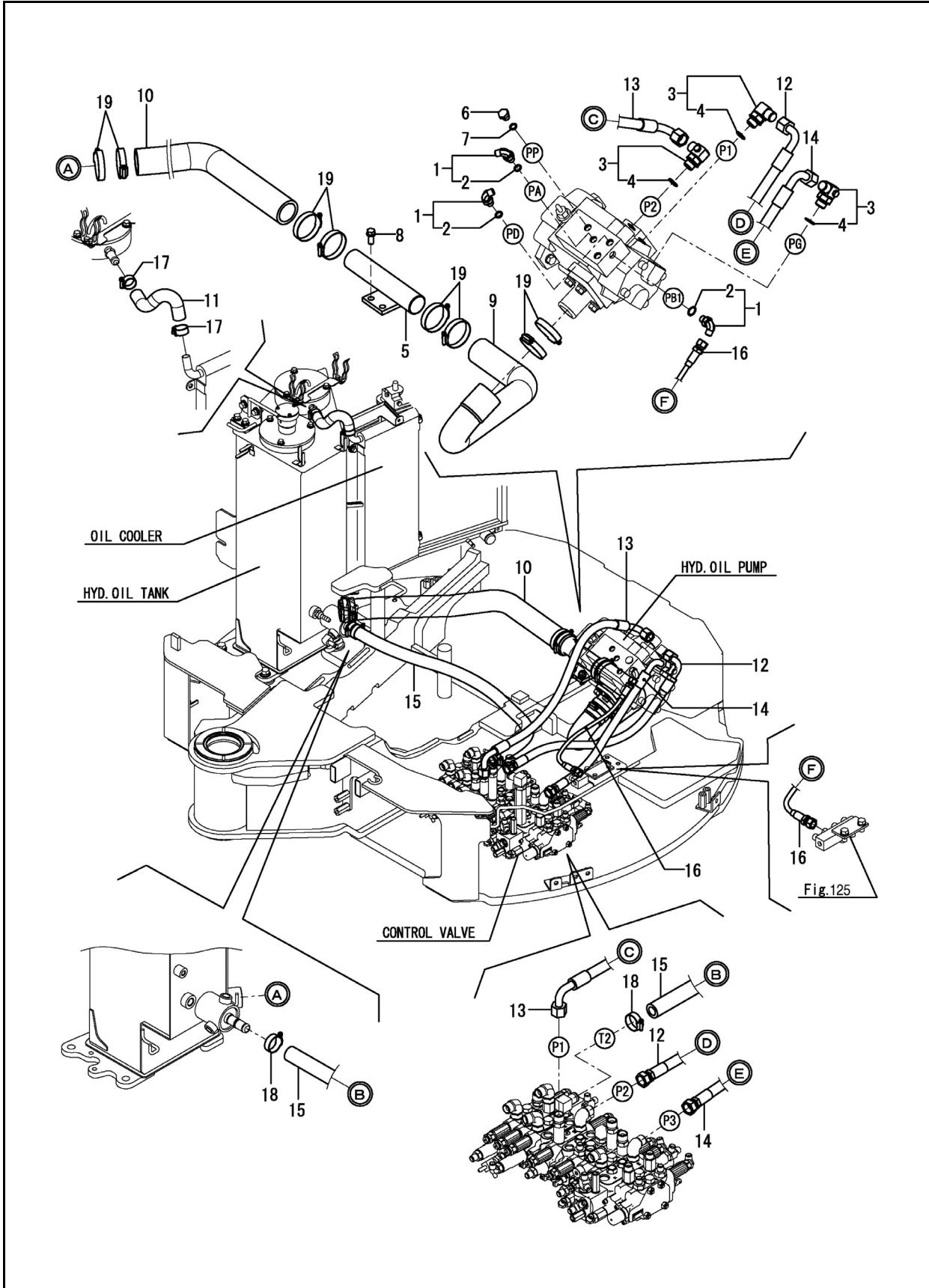


**Z35 GEN:2 - COMPACT EXCAVATOR**  
**FIG. 121 - HYD. OIL TANK**

Ref.

No.	Part No.	Description	Qty.
1	50287453	RESERVOIR KIT	1
2	197635	THERMOMETER	1
3	50287073	FILTER, SUCTION	1
4	50282821	FILTER ASSY, RETURN	1
5	50282822	ELEMENT	1
6	50282731	VALVE ASSY, BYPASS	1
7	50287095	SHAFT, FILTER	1
9	50282906	CAP	1
10	50287123	GAUGE ASSY, OIL	1
12	50281103	BOLT M10	2
13	50281104	O-RING	4
15	50287860	COVER ASSY, A	1
16	50287861	COVER ASSY, B	1
17	50280969	PLUG 24	1
18	50280777	SPRING, STRAINER	1
19	50280807	NIPPLE 3/8	1
20	50287153	ADAPTER, DRAIN	1
21	425-35959	SEAL WASHER 12S	1
22	425-34728	PLUG PT 3/8	2
23	50284083	O-RING 1A G-105.0	2
24	50282493	O-RING 1A S-30.0	1
25	50282534	BOLT M 8X 20	3
26	50282534	BOLT M 8X 20	3
27	50282597	NUT 10	1
28	50284152	SPRING, SIDE CLUTCH	1
29	50280784	BRACKET, GREASE PUMP	2
30	50282365	HOLDER, ROD 8	1
31	50287677	LOCK ASSY,CV B KEY	1
32	50287678	CATCH ASSY,COVER B	1
33	50287758	HOOK, BONNET R	1
34	50282380	WASHER 8, POLISHED	1
35	138111	WASHER/POLISHED	2
36	138111	WASHER/POLISHED	2
37	50284042	WASHER 14, POLISHED	3
38	188712	SPRING/WASHER 14	3
39	50282415	SNAP PIN (JASO 8)	1
40	50282501	BOLT M 6X 12	4
41	50282515	BOLT W/WASHER M10X20	2
42	50282515	BOLT W/WASHER M10X20	2
43	50282567	BOLT M14X 35 PLATED	3

**Z35 GEN:2 - COMPACT EXCAVATOR**  
**FIG. 122 - HYD. OIL PIPING (TANK-PUMP, C/V)**

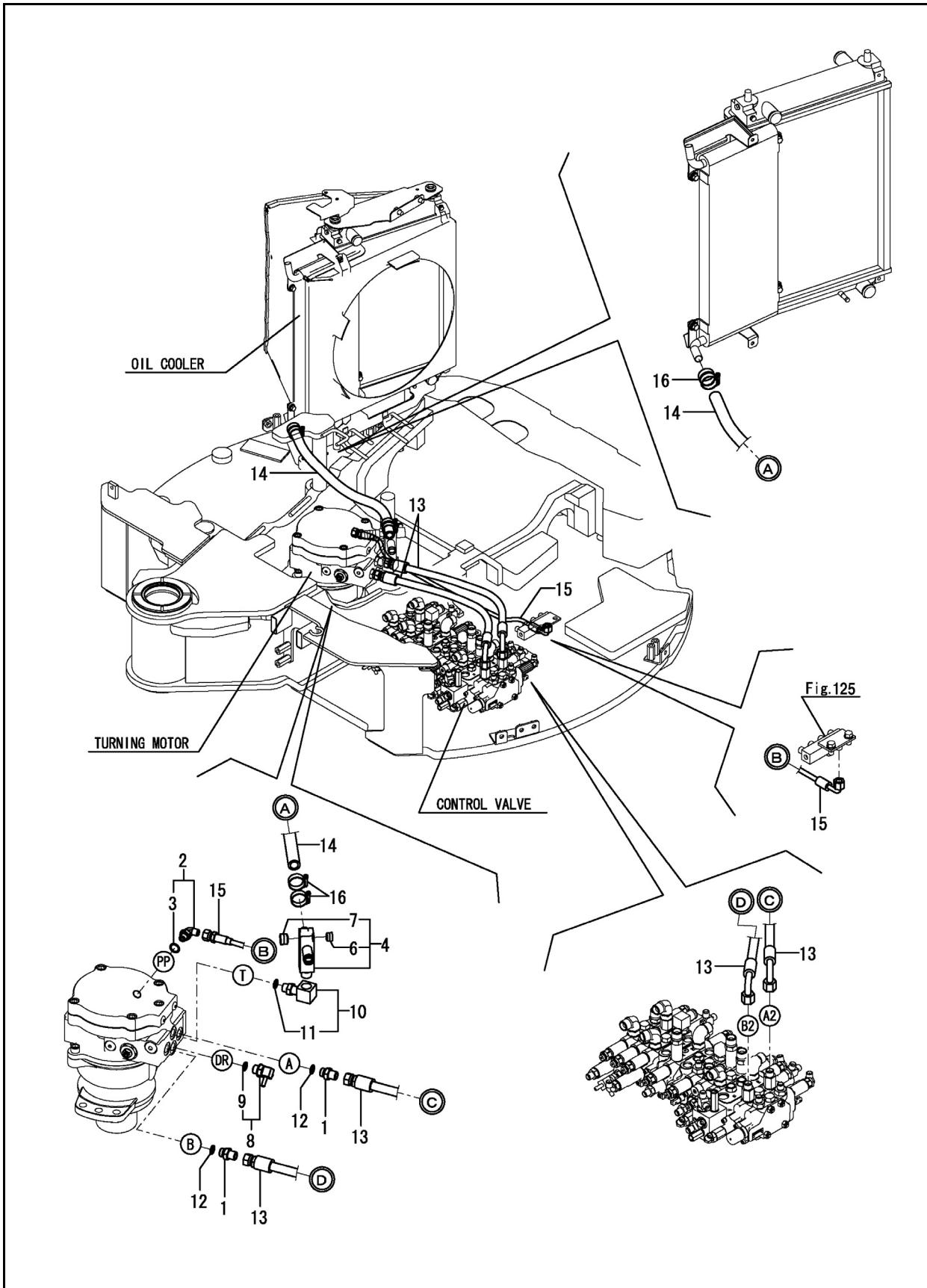


**Z35 GEN:2 - COMPACT EXCAVATOR**  
**FIG. 122 - HYD. OIL PIPING (TANK-PUMP, C/V)**

Ref.

No.	Part No.	Description	Qty.
1	50287862	ELBOW,G1/4	3
2	50282607	PACKING, 11.0	3
3	50283775	ELBOW 90G1/2-G1/2	3
4	50282609	O RING	3
5	50287099	TUBE ASSY, SUCTION	1
6	50282805	PLUG PF1/4	1
7	50282607	PACKING, 11.0	1
8	50282516	BOLT W/WASHER M10X25	2
9	50287905	HOSE,SUCTION A	1
10	50287906	HOSE,SUCTION B	1
11	50287907	HOSE,15.9X25.9	1
12	50287908	HOSE, H208BC057S	1
13	50287909	HOSE, H208CC063S	1
14	50287910	HOSE, H208BC047S	1
15	50287924	HOSE, G612YY090S	1
16	50287943	HOSE, F403BB042S	1
17	50282428	HOSE CLAMP 25	2
18	50282429	HOSE CLAMP 35	2
19	50284063	CLIP, HOSE	8

**Z35 GEN:2 - COMPACT EXCAVATOR**  
**FIG. 123 - HYD. OIL PIPING (C/V-TURNING MOTOR)**

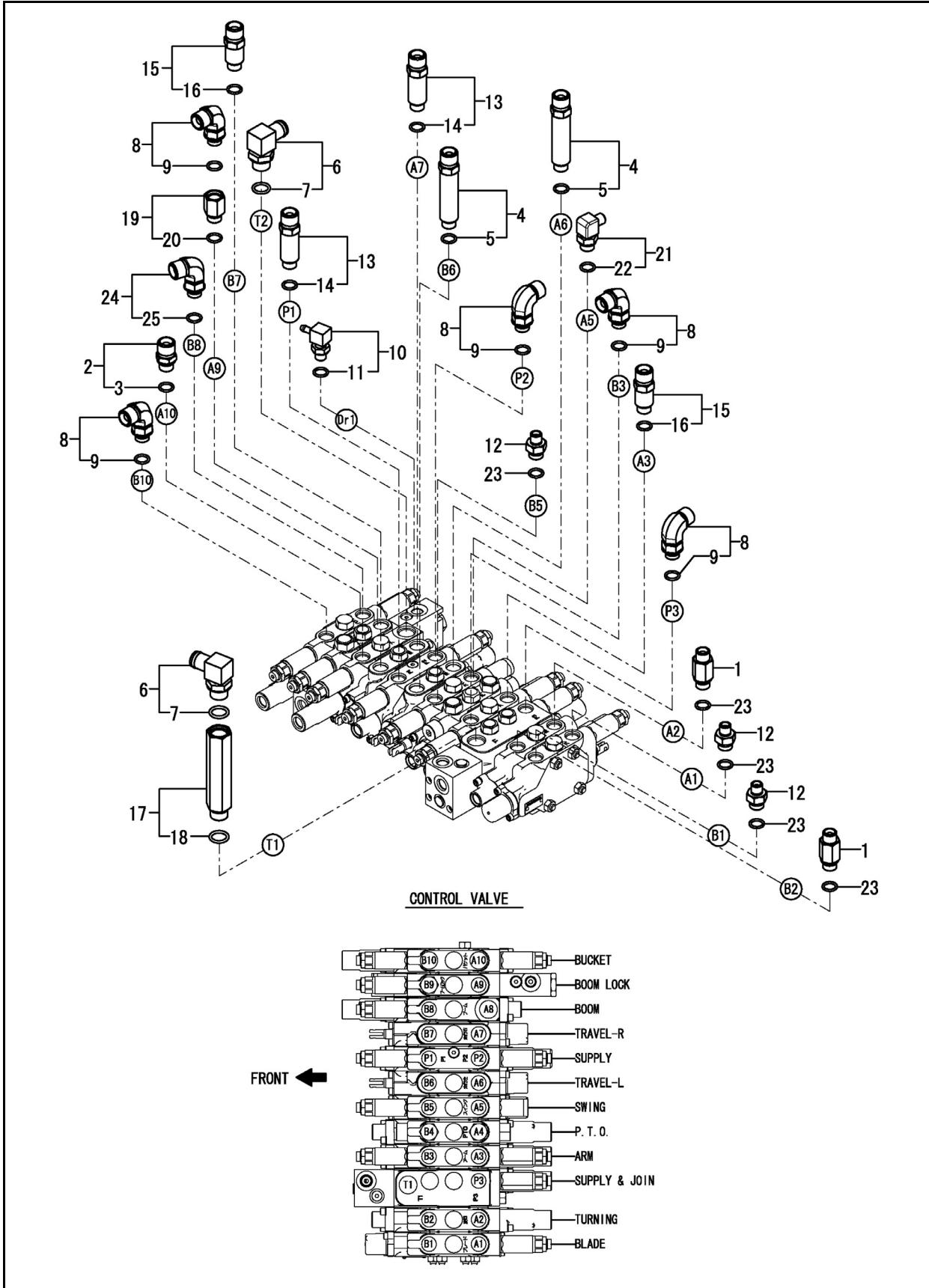


**Z35 GEN:2 - COMPACT EXCAVATOR**  
**FIG. 123 - HYD. OIL PIPING (C/V-TURNING MOTOR)**

Ref.

No.	Part No.	Description	Qty.
1	50281350	JOINT	2
2	50287862	ELBOW,G1/4	1
3	50282607	PACKING, 11.0	1
4	50287866	CONNECTOR ASSY,TR1/2	1
6	425-34728	PLUG PT 3/8	1
7	50284069	PLUG PT1/2,SCREW	1
8	50284776	NIPPLE G3/8	1
9	50282471	O-RING 1B P-14.0	1
10	50284365	ELBOW PF3/8-PT1/2	1
11	50282471	O-RING 1B P-14.0	1
12	50282608	O RING P 14.0 HNBR	2
13	50287920	HOSE, F206BC052	2
14	50287936	HOSE, G610YY057S	1
15	50287944	HOSE, F403BC070S	1
16	50282429	HOSE CLAMP 35	4

**Z35 GEN:2 - COMPACT EXCAVATOR**  
**FIG. 124 - HYD. OIL PIPING (C/V:FITTING, 1)**

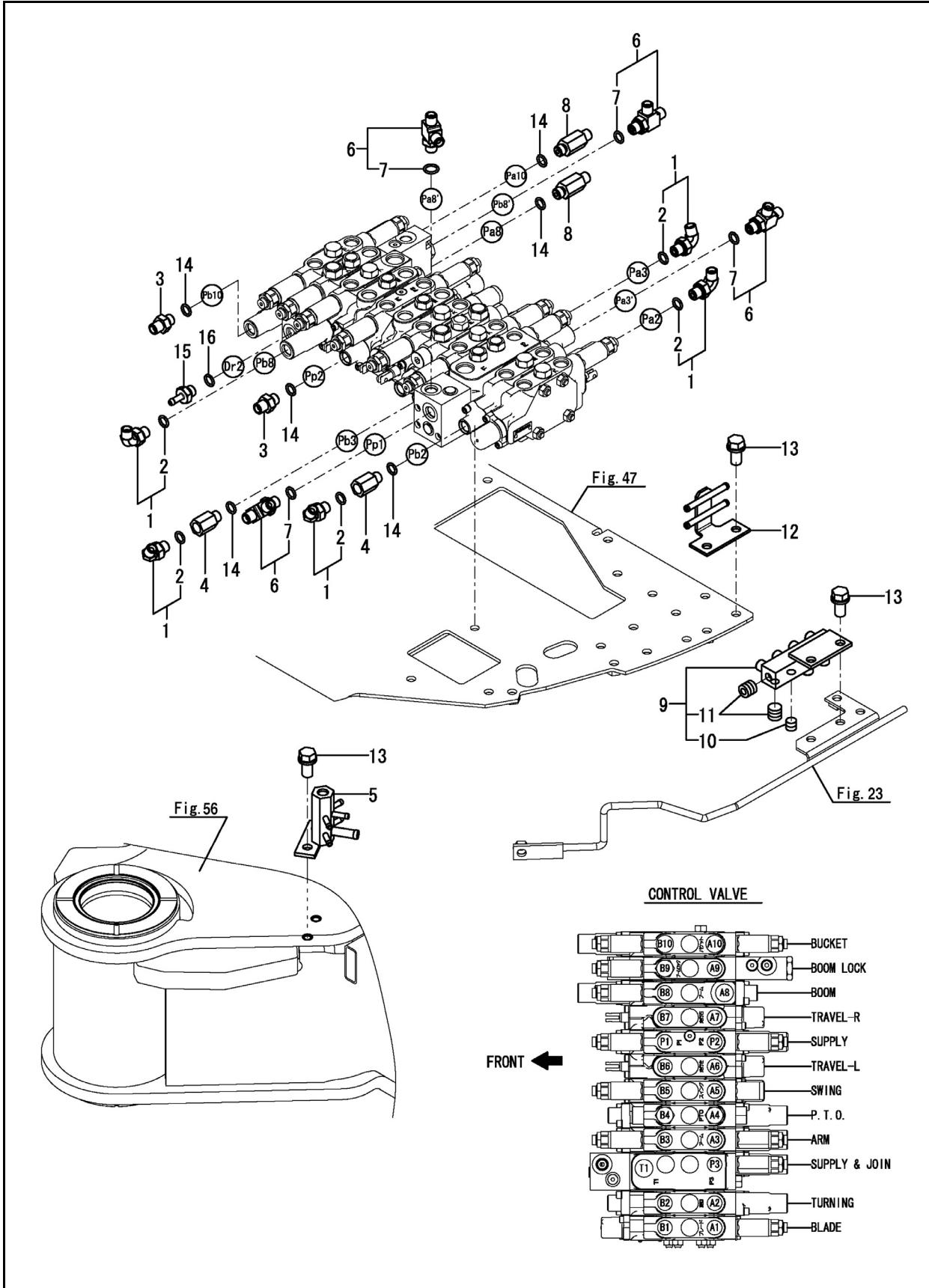


**Z35 GEN:2 - COMPACT EXCAVATOR**  
**FIG. 124 - HYD. OIL PIPING (C/V:FITTING, 1)**

Ref.

No.	Part No.	Description	Qty.
1	50287864	CONNECTOR, G3/8-3/8	2
2	50287868	CONNECTOR,G1/2-3/8	1
3	50282608	O RING P 14.0 HNBR	1
4	50287869	CONNECTOR,L G1/2-3/8	2
5	50282608	O RING P 14.0 HNBR	2
6	50287088	ELBOW	2
7	50282474	O-RING 1B P-18.0	2
8	50287870	ELBOW,G1/2-3/8	5
9	50282608	O RING P 14.0 HNBR	5
10	50287138	NIPPLE, ELBOW	1
11	50282470	O-RING 1B P-11.0	1
12	50282716	CONNECTOR	3
13	50287872	CONNECTOR,M G1/2-3/8	2
14	50282608	O RING P 14.0 HNBR	2
15	50287873	CONNECTOR,S G1/2-3/8	2
16	50282608	O RING P 14.0 HNBR	2
17	50287875	ADAPTER,G1/2	1
18	50282609	O RING	1
19	50287899	ADAPTER,G3/8	1
20	50282608	O RING P 14.0 HNBR	1
21	50280815	CONNECTOR 3/8-1/4L	1
22	50288156	O-RING 1B P-14.0	1
23	50282608	O RING P 14.0 HNBR	5
24	50287870	ELBOW,G1/2-3/8	1
25	50282608	O RING P 14.0 HNBR	1

**Z35 GEN:2 - COMPACT EXCAVATOR**  
**FIG. 125 - HYD. OIL PIPING (C/V:FITTING, 2)**

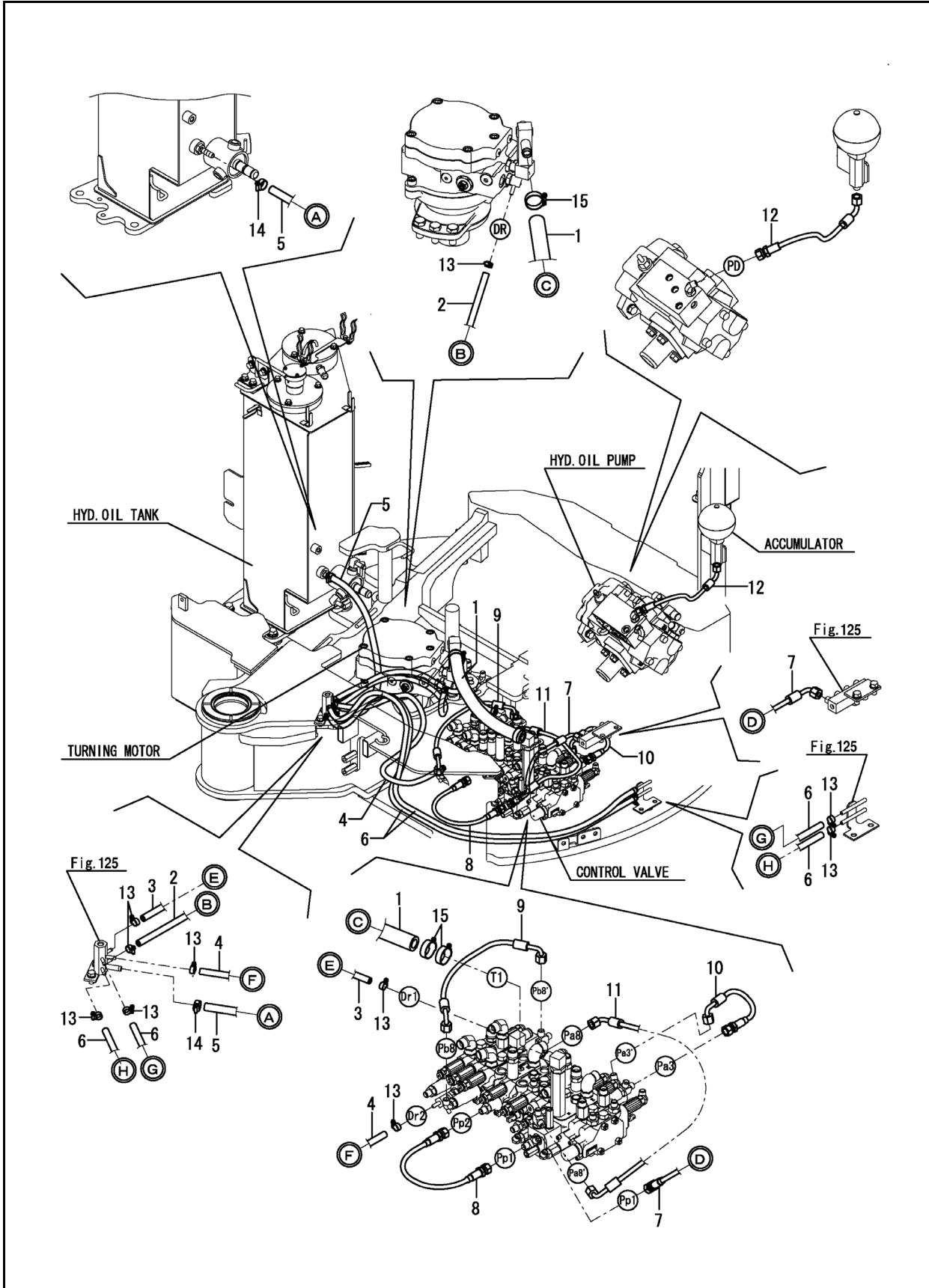


**Z35 GEN:2 - COMPACT EXCAVATOR**  
**FIG. 125 - HYD. OIL PIPING (C/V:FITTING, 2)**

Ref.

No.	Part No.	Description	Qty.
1	50287862	ELBOW,G1/4	5
2	50282607	PACKING, 11.0	5
3	50280792	JOINT PF1/4	2
4	50281007	CONNECTOR	2
5	50287100	BLOCK, DRAIN	1
6	50280875	JOINT 3-1/4 ASSY	4
7	50282607	PACKING, 11.0	4
8	50280919	CONNECTOR 1/4-1/4	2
9	50283783	PILOT BLOCK	1
10	50282447	PLUG PT1/8,SCREW	1
11	425-35678	PLUG PT 1/4 SCREW	2
12	50287880	CONNECTOR ASSY	1
13	50282515	BOLT W/WASHER M10X20	6
14	50282607	PACKING, 11.0	6
15	50287865	NIPPLE, G1/4	1
16	50282607	PACKING, 11.0	1

**Z35 GEN:2 - COMPACT EXCAVATOR**  
**FIG. 126 - HYD. OIL PIPING (C/V-RETURN, DRAIN)**

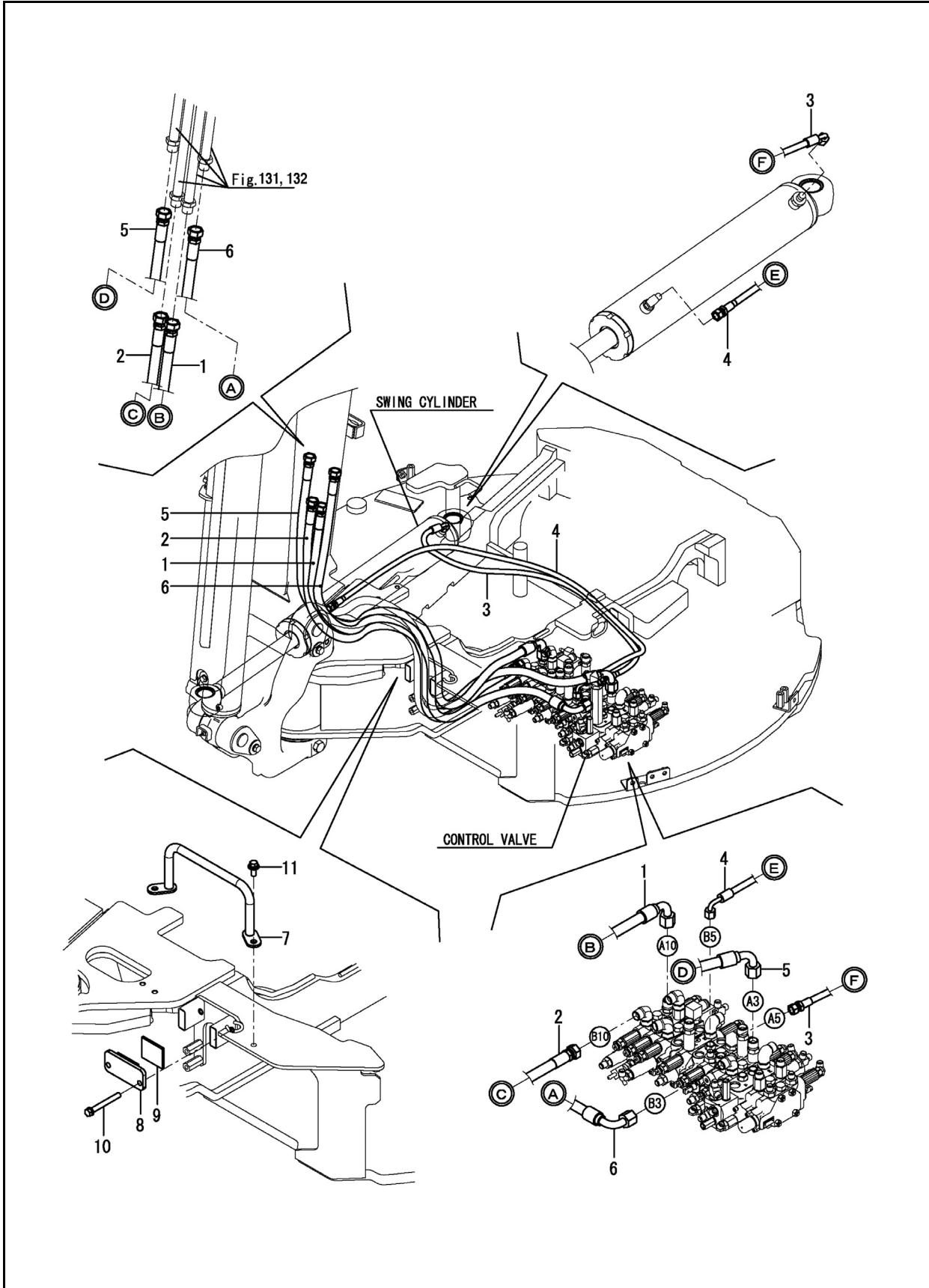


**Z35 GEN:2 - COMPACT EXCAVATOR**  
**FIG. 126 - HYD. OIL PIPING (C/V-RETURN, DRAIN)**

Ref.

No.	Part No.	Description	Qty.
1	50287923	HOSE, G612YY045	1
2	50287938	HOSE, G804YY061S	1
3	50287939	HOSE, G804YY058S	1
4	50287940	HOSE, G804YY071S	1
5	50287941	HOSE, G806YY060S	1
6	50287942	HOSE, G804YY135S	2
7	50287945	HOSE, F403BC032S	1
8	50287947	HOSE, F403BB041S	1
9	50287948	HOSE, F403CC040S	1
10	(order 10-1) 50287950	HOSE, F403BC023S (SN before MZZZZZ)	1
10-1	50287950	HOSE, H603BC023S (SN MZZZZZ and Up)	1
11	50287951	HOSE, F403CC056	1
12	50287952	HOSE, F403BC035	1
13	425-34918	CLAMP 13	10
14	50282426	HOSE CLAMP 16	2
15	50282429	HOSE CLAMP 35	4

**Z35 GEN:2 - COMPACT EXCAVATOR**  
**FIG. 127 - HYD. OIL PIPING (C/V-BOOM BULKHEAD, SWING)**

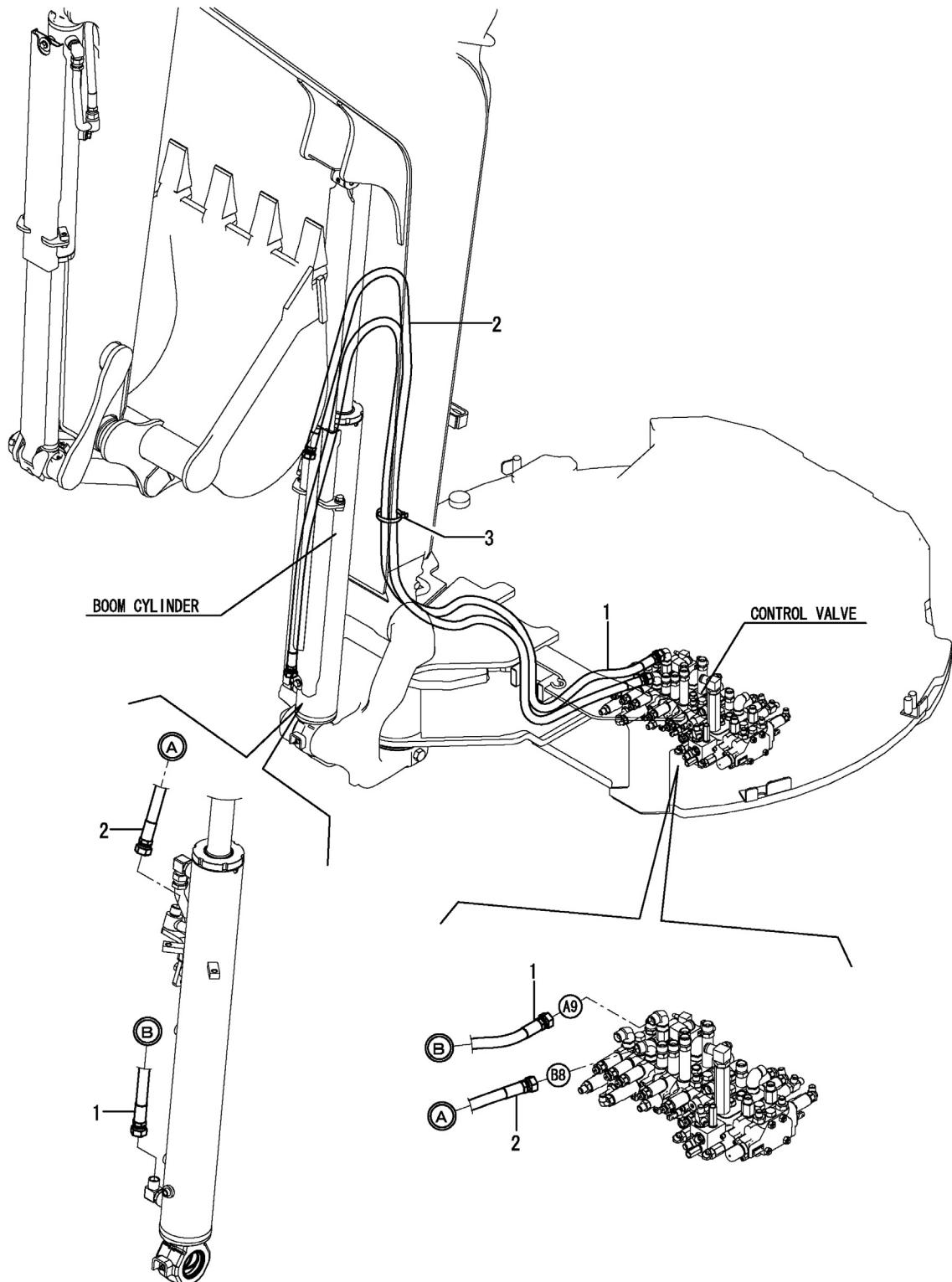


**Z35 GEN:2 - COMPACT EXCAVATOR**  
**FIG. 127 - HYD. OIL PIPING (C/V-BOOM BULKHEAD, SWING)**

Ref.

No.	Part No.	Description	Qty.
1	50287911	HOSE, H208BC135K	1
2	50287912	HOSE, H208BB130K	1
3	50287916	HOSE, F204BC105S	1
4	50287917	HOSE, F204BC137S	1
5	50287918	HOSE, H208BC158K	1
6	50287919	HOSE, H208BC155K	1
7	50287987	GUIDE ASSY, HOSE	1
8	50287991	PLATE ASSY, HOSE	1
9	50287992	CLAMP, HOSE	1
10	50282524	BOLT W/WASHER 10X 85	2
11	50282539	BOLT 10X25 W/PLW+SPW	2

**Z35 GEN:2 - COMPACT EXCAVATOR**  
**FIG. 128 - HYD. OIL PIPING (C/V-BOOM CYLINDER)**

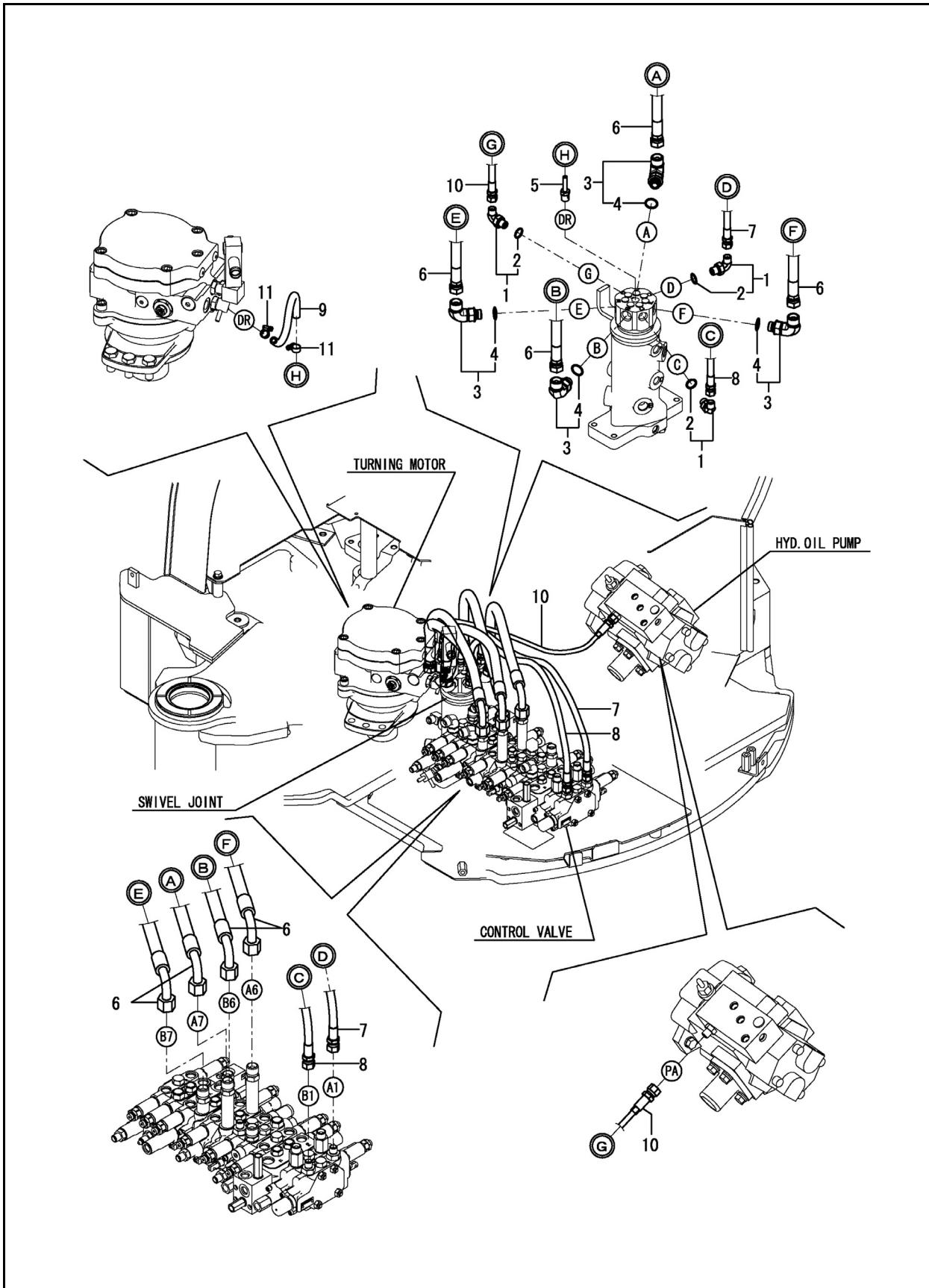


**Z35 GEN:2 - COMPACT EXCAVATOR**  
**FIG. 128 - HYD. OIL PIPING (C/V-BOOM CYLINDER)**

Ref.

No.	Part No.	Description	Qty.
1	50287913	HOSE, H208BB296K	1
2	50287914	HOSE, H208BB251K	1
3	50280791	CLAMP 350 (SN MZZZZZ and Up)	1

**Z35 GEN:2 - COMPACT EXCAVATOR**  
**FIG. 129 - HYD. OIL PIPING (C/V-SWIVEL JOINT)**

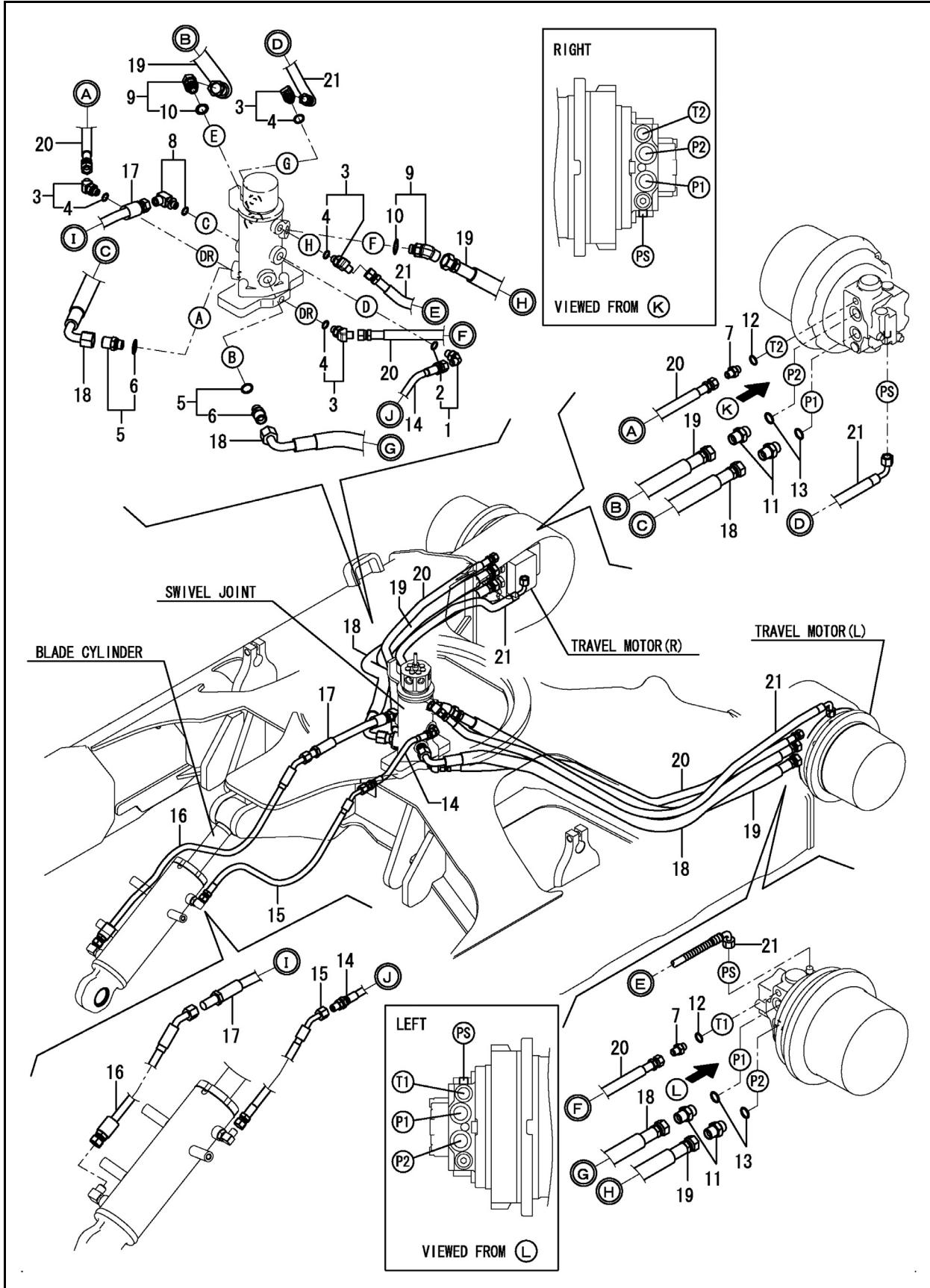


**Z35 GEN:2 - COMPACT EXCAVATOR**  
**FIG. 129 - HYD. OIL PIPING (C/V-SWIVEL JOINT)**

Ref.

No.	Part No.	Description	Qty.
1	50287862	ELBOW,G1/4	3
2	50282607	PACKING, 11.0	3
3	50287870	ELBOW,G1/2-3/8	4
4	50282608	O RING P 14.0 HNBR	4
5	50282732	NIPPLE	1
6	50287915	HOSE, F208BC059S	4
7	50287921	HOSE, F204BB085S	1
8	50287922	HOSE, F204BB082S	1
9	50287937	HOSE, G804YY022S	1
10	50287946	HOSE, F403BB070S	1
11	425-34918	CLAMP 13	2

**Z35 GEN:2 - COMPACT EXCAVATOR**  
**FIG. 130 - HYD. OIL PIPING (TRACK FRAME)**



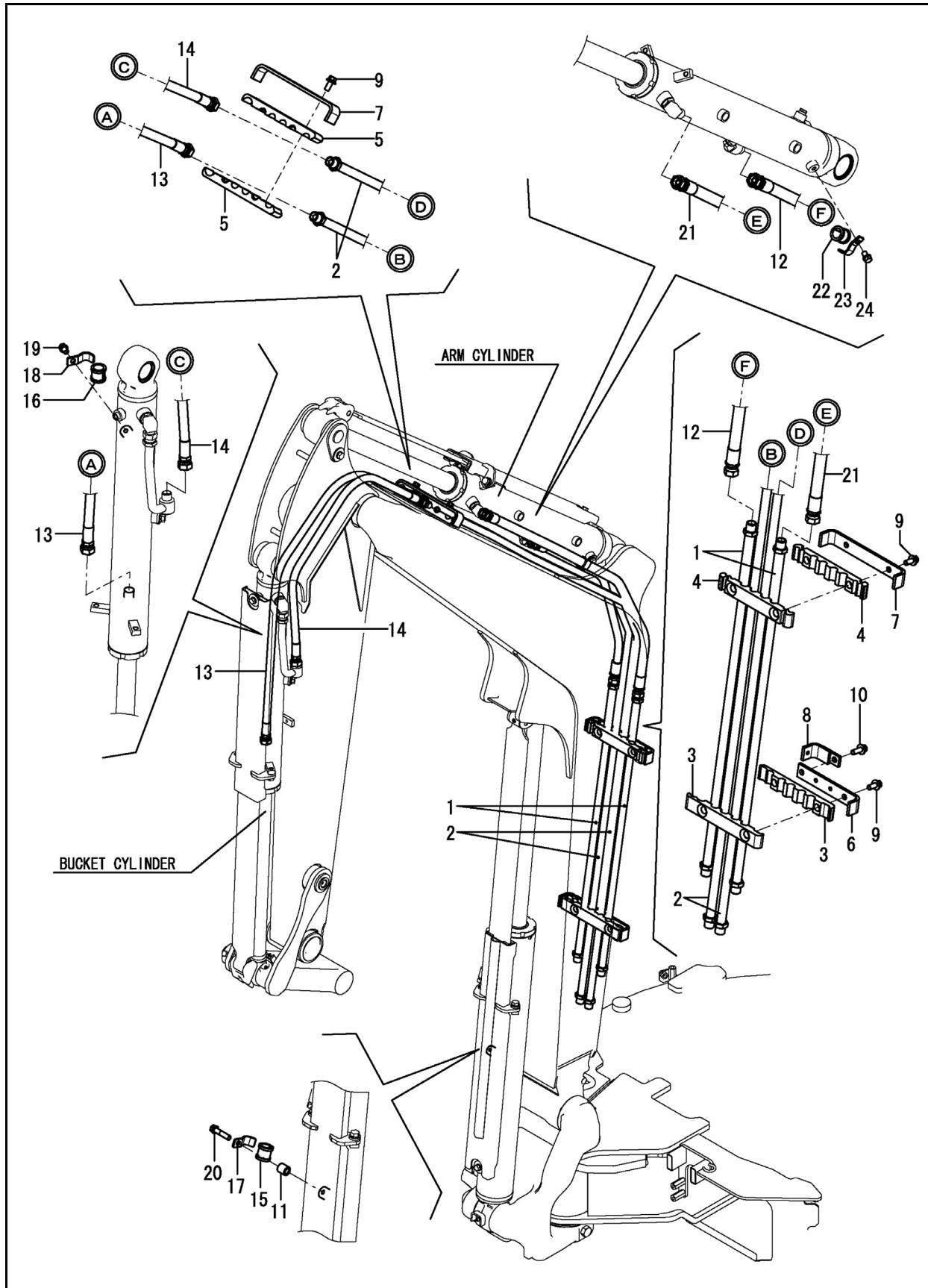
**Z35 GEN:2 - COMPACT EXCAVATOR**  
**FIG. 130 - HYD. OIL PIPING (TRACK FRAME)**

Ref.

No.	Part No.	Description	Qty.
1	50287862	ELBOW,G1/4	1
2	50282607	PACKING, 11.0	1
3	50280905	CONNECTOR PF1/4-45	4
4	50282607	PACKING, 11.0	4
5	50287868	CONNECTOR,G1/2-3/8	2
6	50282608	O RING P 14.0 HNBR	2
7	50280792	JOINT PF1/4	2
8	50282820	CONNECTOR	1
9	50287871	ELBOW,45 G1/2-3/8	2
10	50282608	O RING P 14.0 HNBR	2
11	50280778	CONNECTOR	4
12	50282607	PACKING, 11.0	2
13	50282609	O RING	4
14	50287925	HOSE, H204BX027	1
15	50287926	HOSE, F204BE063W	1
16	50287927	HOSE, F206BE087W	1
17	50287928	HOSE, F206BX027	1
18	50287929	HOSE, F208BC106W	2
19	50287930	HOSE, F208BB103W	2
20	50287931	HOSE, F204BB105W	2
21	50287932	HOSE, F204BC116W	2

# Z35 GEN:2 - COMPACT EXCAVATOR

FIG. 131 - HYD. OIL PIPING (ARM CYLINDER, BUCKET CYLINDER)

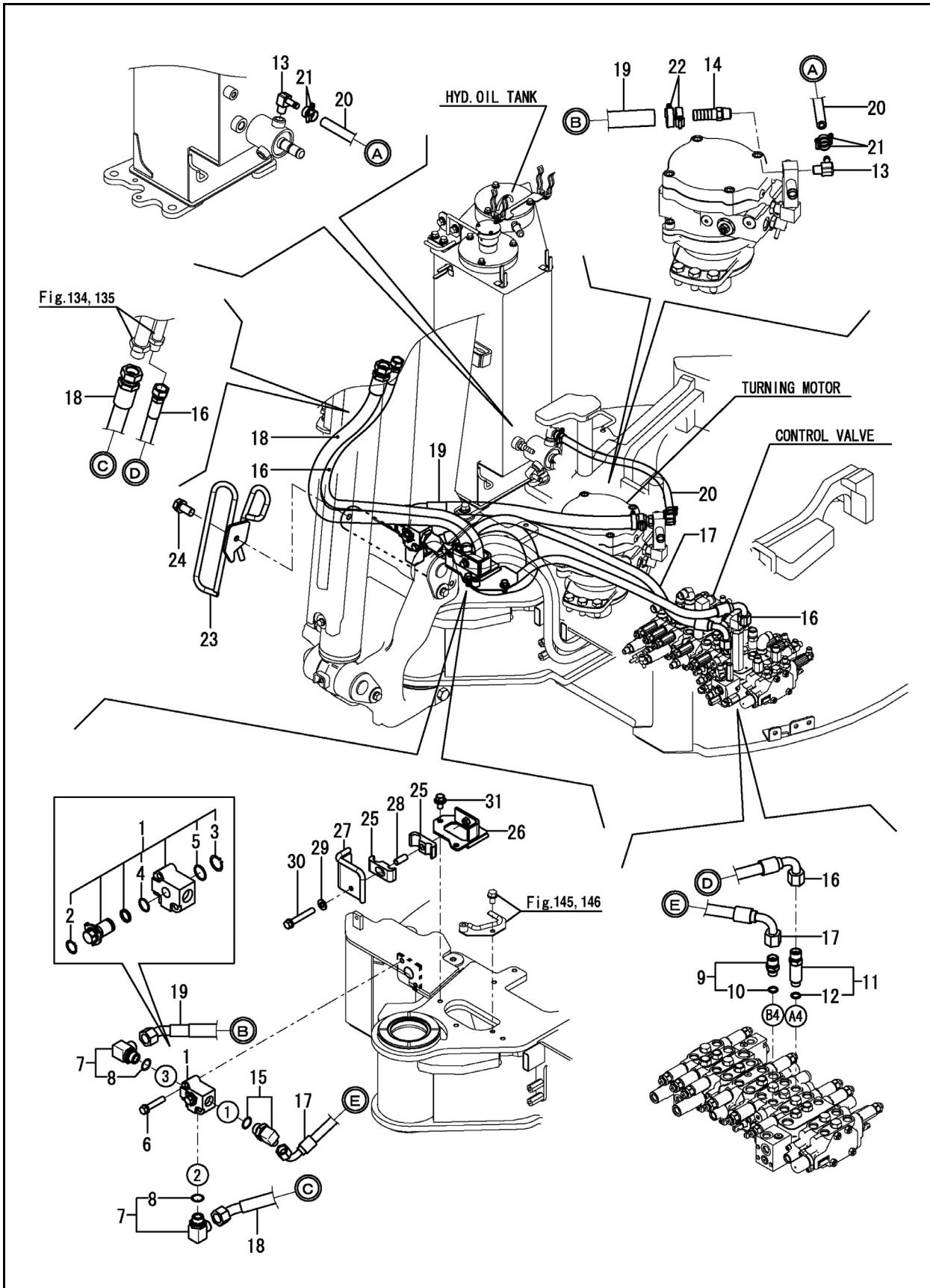


**Z35 GEN:2 - COMPACT EXCAVATOR**  
**FIG. 131 - HYD. OIL PIPING (ARM CYLINDER, BUCKET CYLINDER)**

Ref.

No.	Part No.	Description	Qty.
1	50287876	TUBE ASSY,ARM	2
2	50287878	TUBE ASSY,BUCKET	2
3	50287885	RUBBER,CLAMP A	2
4	50287886	RUBBER,CLAMP B	2
5	50287887	RUBBER,CLAMP C	2
6	50287888	CLAMP,TUBE A	1
7	50287890	CLAMP,TUBE B	2
8	50287892	CLAMP ASSY,BOOM	1
9	50282539	BOLT 10X25 W/PLW+SPW	5
10	50285904	BOLT M10 X 30	1
11	50283787	COLLER 12.2X20X20	1
12	50287933	HOSE, H208BB076K	1
13	50287934	HOSE, H208BB124K	1
14	50287935	HOSE, H208BB090K	1
15	50287989	RUBBER,HOSE CLAMP	1
16	50287989	RUBBER,HOSE CLAMP	1
17	50287990	CLAMP,HOSE	1
18	50287990	CLAMP,HOSE	1
19	50282514	BOLT M10X 16	1
20	50282520	BOLT M10X 45	1
21	50287934	HOSE, H208BB124K	1
22	50287989	RUBBER,HOSE CLAMP	1
23	50287990	CLAMP,HOSE	1
24	50282514	BOLT M10X 16	1

**Z35 GEN:2 - COMPACT EXCAVATOR**  
**FIG. 133 - HYD. OIL PIPING (P.T.O.:C/V-BOOM)**



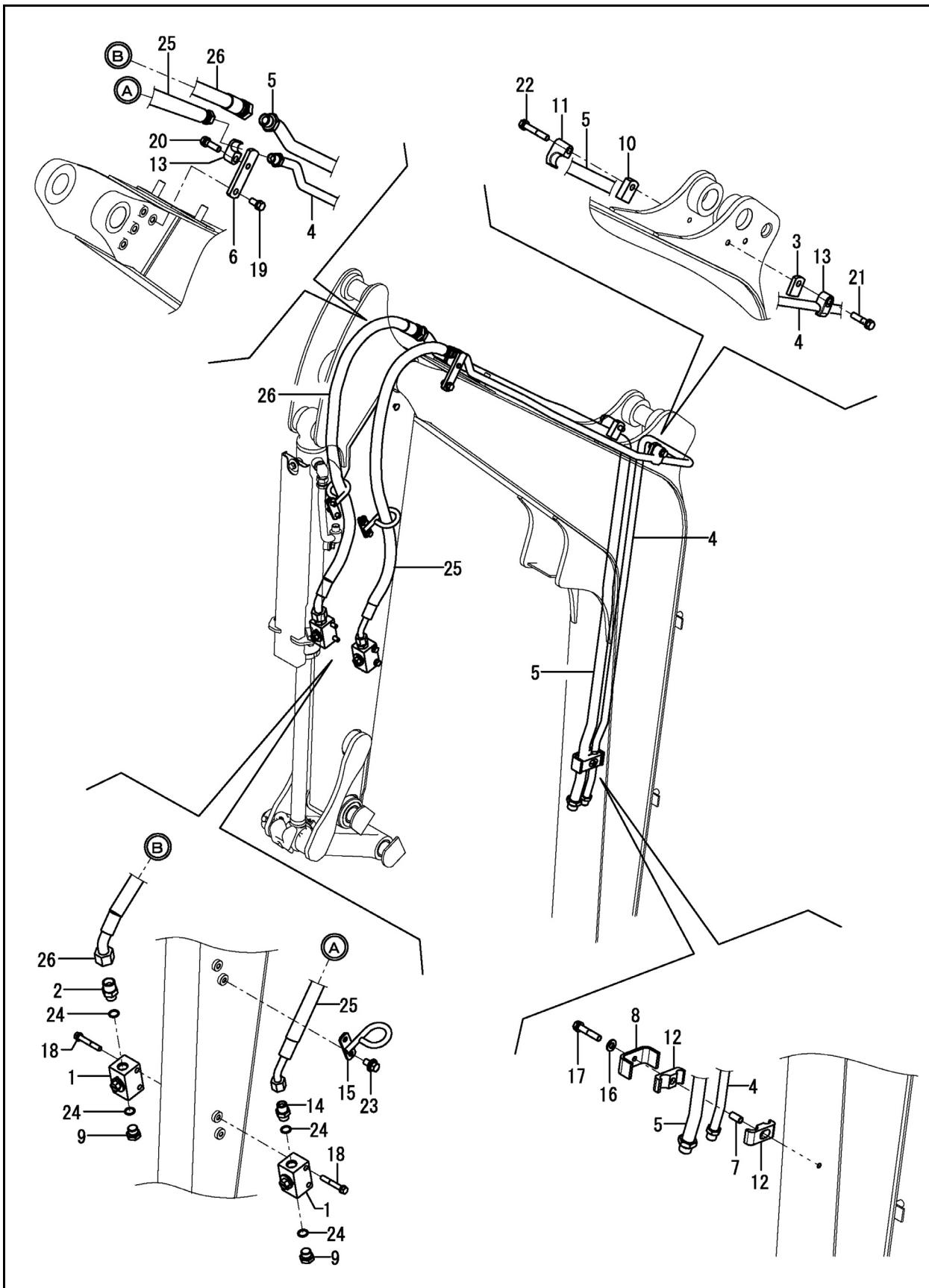
**Z35 GEN:2 - COMPACT EXCAVATOR**  
**FIG. 133 - HYD. OIL PIPING (P.T.O.:C/V-BOOM)**

Ref.

No.	Part No.	Description	Qty.
1	50283667	VALVE ASSY,SELECOR	1
2	50282398	CIRCLIP 21	1
3	50282399	CIRCLIP 25S	1
4	50282476	O-RING 1B P 21	1
5	50282478	O-RING 1B P-25.0	1
6	50282522	BOLT M10X 55	2
7	50287077	CONNECTOR 3/4L	2
8	50282477	O-RING 1B P-24.0	2
9	50287868	CONNECTOR,G1/2-3/8	1
10	50282608	O RING P 14.0 HNBR	1
11	50287872	CONNECTOR,M G1/2-3/8	1
12	50282608	O RING P 14.0 HNBR	1
13	50280903	ELBOW	2
14	50287097	NIPPLE 08, HOSE	1
15	50284401	ELBOW ASSY	1
16	50287958	HOSE, H208BC170K	1
17	50287959	HOSE, H208CC088S	1
18	50287960	HOSE, G112BE155K	1
19	50287961	HOSE, G612EY062S	1
20	50287962	HOSE, G606YY050S	1
21	50282426	HOSE CLAMP 16	4
22	50282429	HOSE CLAMP 35	2
23	50287988	GUIDE ASSY,HOSE PTO	1
24	50284101	BOLT M12 X 25	1
25	50280982	RUBBER B	2
26	50287900	CLAMP ASSY,HOSE PTO	1
27	50287901	CLAMP ASSY,HOSE PTO	1
28	50287126	COLLER	1
29	138111	WASHER/POLISHED	1
30	50288169	BOLT	1
31	50282538	BOLT M10X 20	2

# Z35 GEN:2 - COMPACT EXCAVATOR

FIG. 134 - HYD. OIL PIPING (P.T.O.:BOOM-ARM END)



**Z35 GEN:2 - COMPACT EXCAVATOR**  
**FIG. 134 - HYD. OIL PIPING (P.T.O.:BOOM-ARM END)**

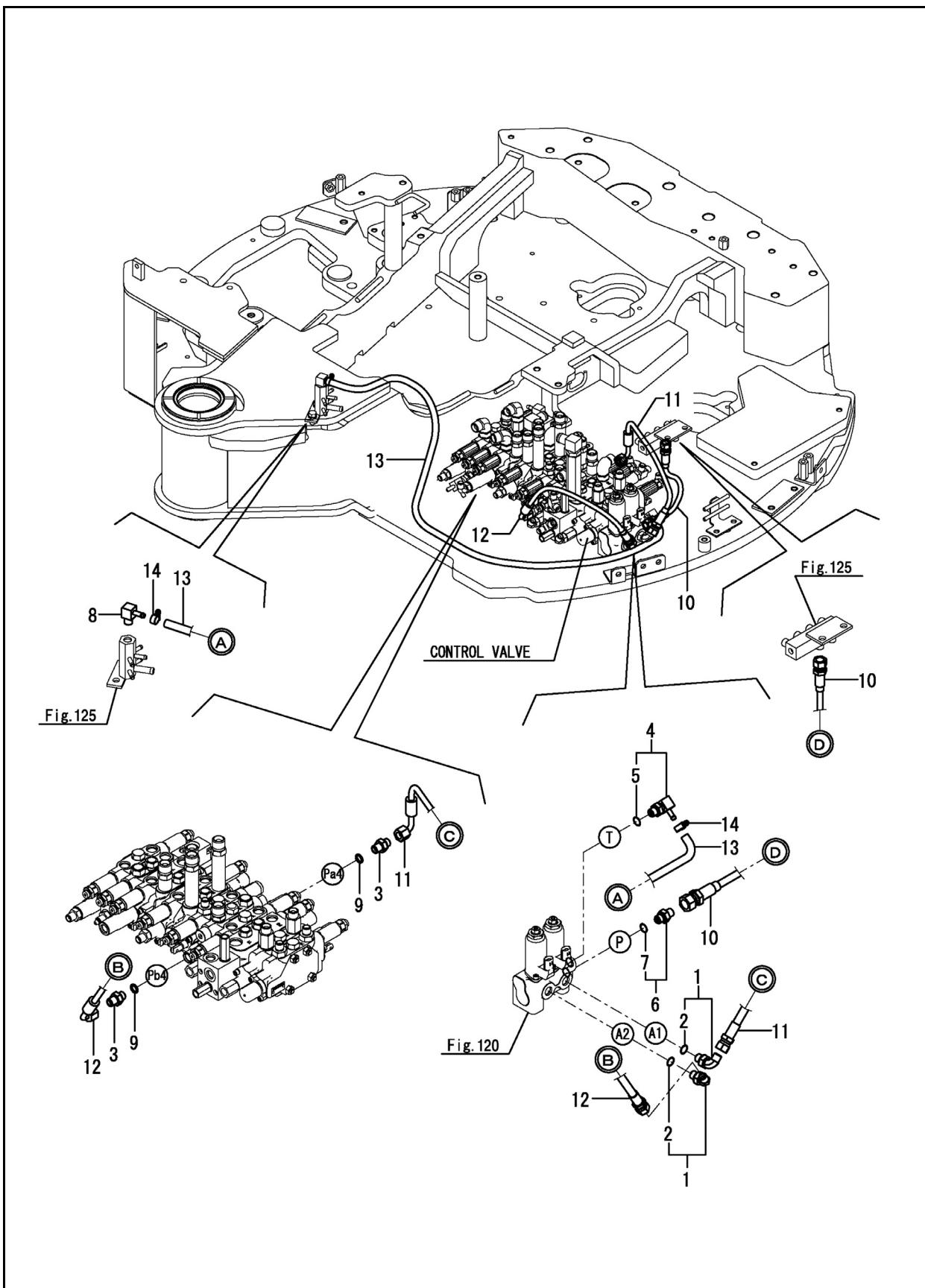
Ref.

No.	Part No.	Description	Qty.
1	50287856	VALVE ASSY,STOP G1/2 *	2
2	50280977	ADAPTER	1
3	50286179	PLATE	1
4	50287881	TUBE ASSY,PTO L	1
5	50287883	TUBE ASSY,PTO R	1
6	50287894	STAY, CLAMP PTO	1
7	50280978	COLLAR, CLAMP	1
8	50286181	TUBE CLAMP	1
9	50287091	PLUG PF1/2,HEX.	2
10	50286185	PLATE	1
11	50286167	CLAMP, 3/4	1
12	50280982	RUBBER B	2
13	50286169	CLAMP, 1/2	2
14	50280778	CONNECTOR	1
15	50287903	GUIDE ASSY,HOSE PTO	2
16	138111	WASHER/POLISHED	1
17	50282521	BOLT M10X 50	1
18	50288169	BOLT	4
19	50284101	BOLT M12 X 25	1
20	50282526	BOLT M12X 40	1
21	50285903	BOLT M12 X 50	1
22	50282529	BOLT 12X70 W/SP.WSHR	1
23	50282538	BOLT M10X 20	4
24	50282609	O RING	4
25	50287963	HOSE, H208BE111W	1
26	50287964	HOSE, H112BE117W	1

NOTE: \* For flat-faced quick-connect coupler service parts, see  
Page 286.

# Z35 GEN:2 - COMPACT EXCAVATOR

## FIG. 136 - HYD. OIL PIPING (P.T.O.:SOLENOID VALVE)



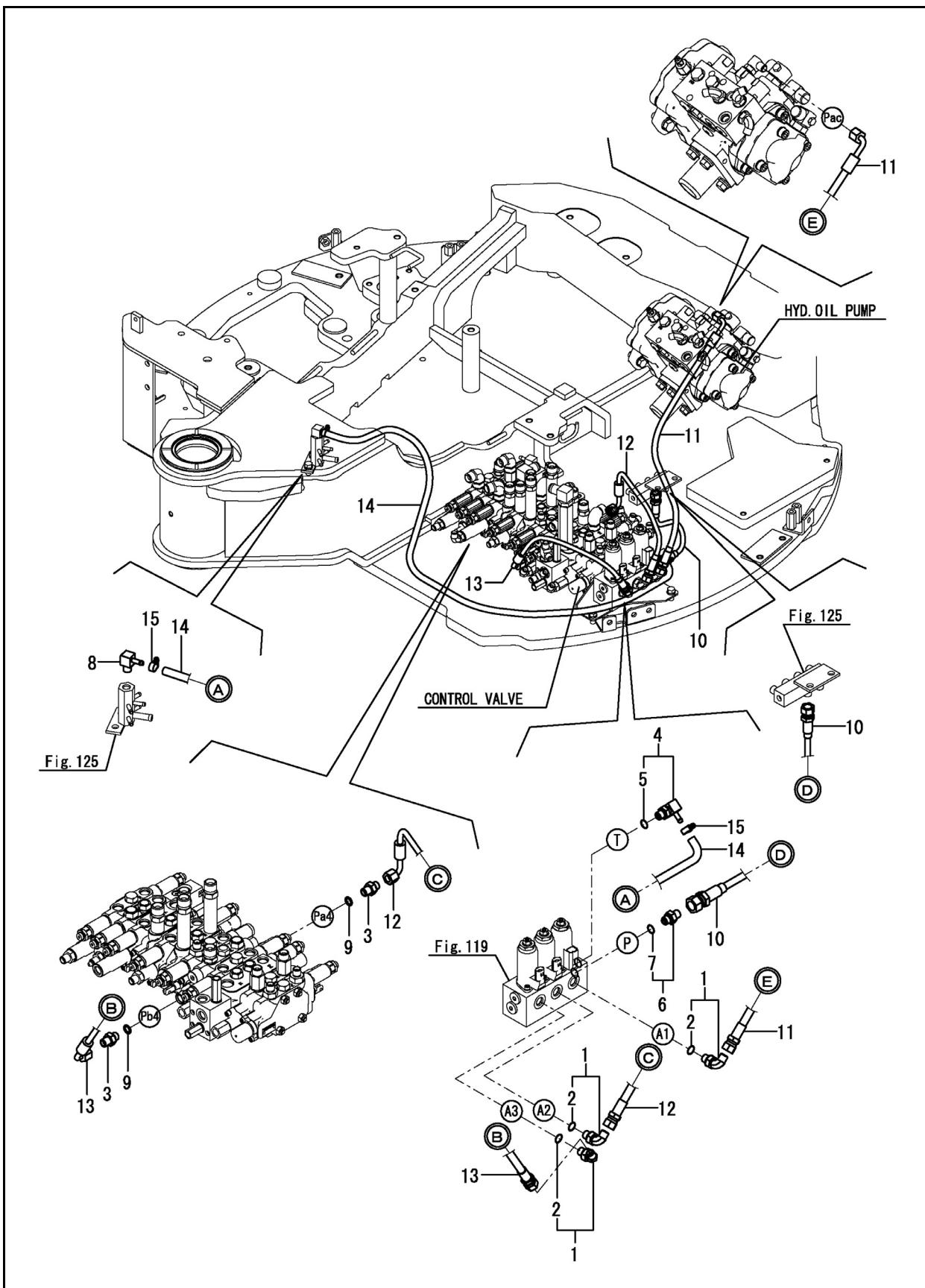
**Z35 GEN:2 - COMPACT EXCAVATOR**  
**FIG. 136 - HYD. OIL PIPING (P.T.O.:SOLENOID VALVE)**

Ref.

No.	Part No.	Description	Qty.
1	50287862	ELBOW,G1/4	2
2	50282607	PACKING, 11.0	2
3	50280792	JOINT PF1/4	2
4	50287138	NIPPLE, ELBOW	1
5	50282470	O-RING 1B P-11.0	1
6	50287874	CONNECTOR,FILT G1/4	1
7	50282607	PACKING, 11.0	1
8	50282842	NIPPLE	1
9	50282607	PACKING, 11.0	2
10	50287965	HOSE, F403BB029S	1
10- 1	50287966	HOSE, H603BB029S (SN MZZZZZ and Up)	1
11	50287968	HOSE, F403BC041S	1
12	50287969	HOSE, F403BC047S	1
13	50287970	HOSE, G804YY125S	1
14	425-34918	CLAMP 13	2

# Z35 GEN:2 - COMPACT EXCAVATOR

FIG. 137 - HYD. OIL PIPING (P.T.O.:SOLENOID VALVE, ESS) (WITH A/C ONLY)



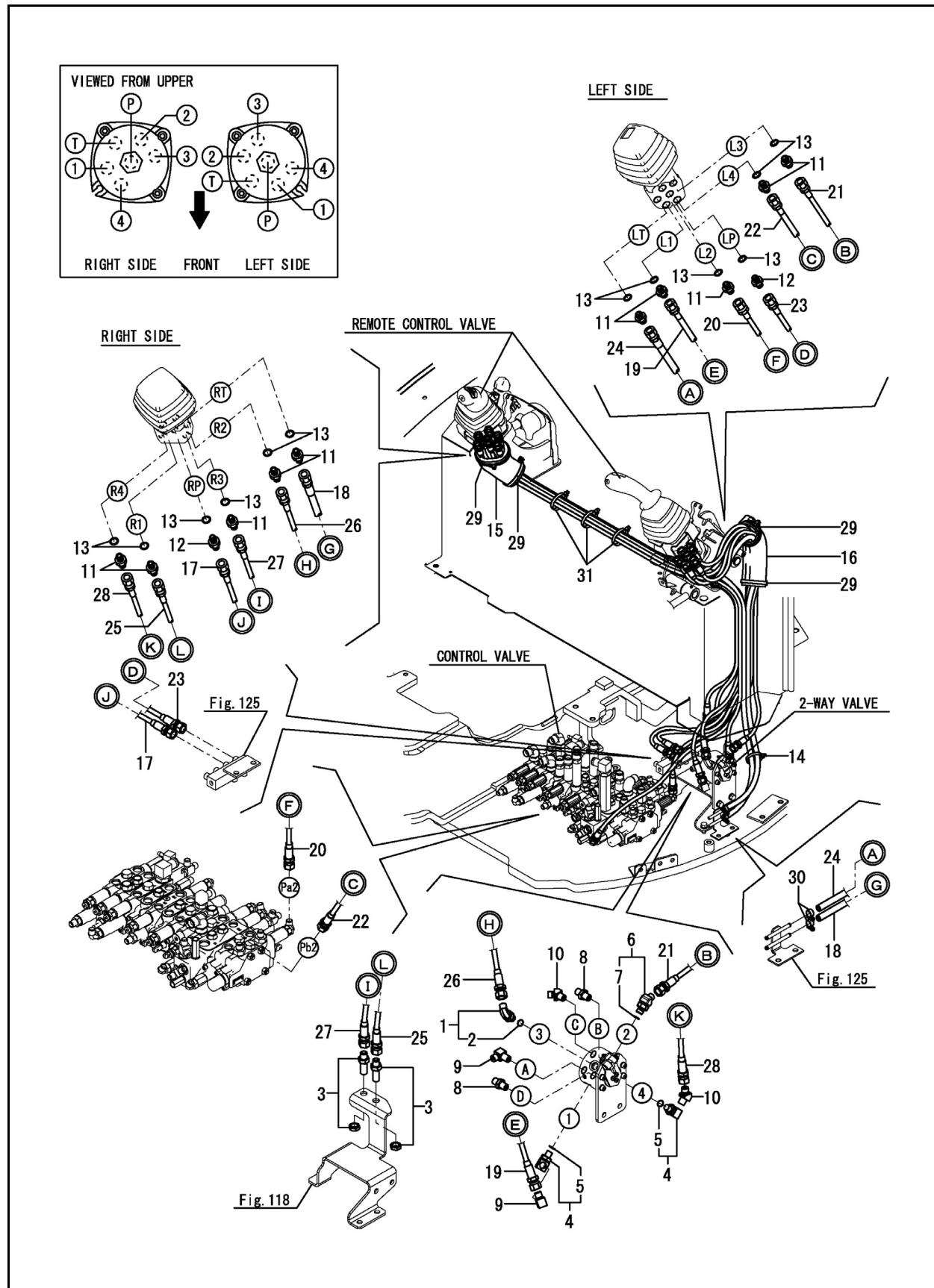
**Z35 GEN:2 - COMPACT EXCAVATOR****FIG. 137 - HYD. OIL PIPING (P.T.O.:SOLENOID VALVE, ESS) (WITH A/C ONLY)**

Ref.

No.	Part No.	Description	Qty.
1	50287862	ELBOW,G1/4	3
2	50282607	PACKING, 11.0	3
3	50280792	JOINT PF1/4	2
4	50287138	NIPPLE, ELBOW	1
5	50282470	O-RING 1B P-11.0	1
6	50287874	CONNECTOR,FILT G1/4	1
7	50282607	PACKING, 11.0	1
8	50282842	NIPPLE	1
9	50282607	PACKING, 11.0	2
10	50287965	HOSE, F403BB029S	1
10- 1	50287966	HOSE, H603BB029S	1
11	50287967	HOSE, H604BC065S	1
12	50287968	HOSE, F403BC041S	1
13	50287969	HOSE, F403BC047S	1
14	50287970	HOSE, G804YY125S	1
15	425-34918	CLAMP 13	2

# Z35 GEN:2 - COMPACT EXCAVATOR

## FIG. 138 - CONTROL PIPING (1)



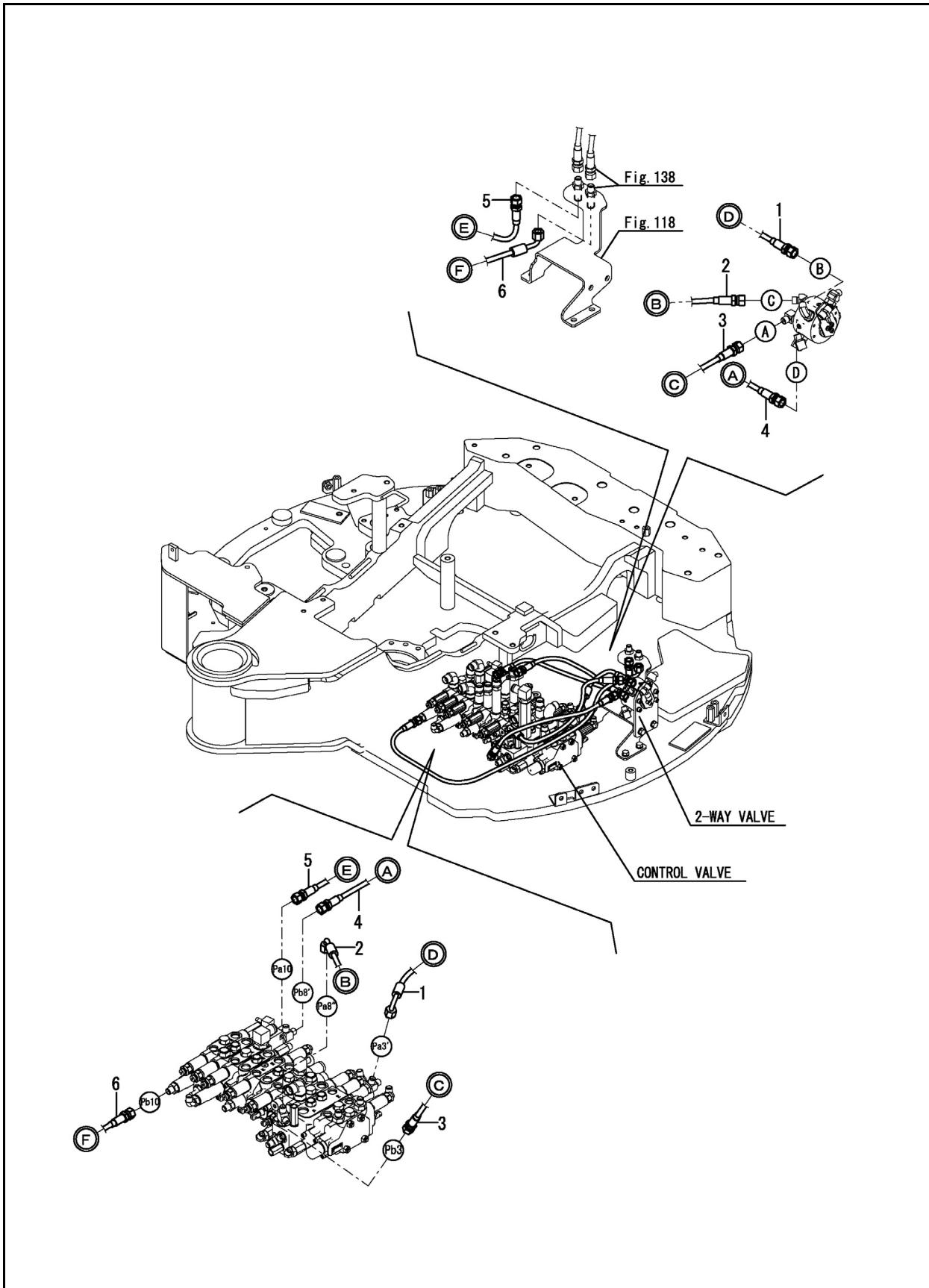
**Z35 GEN:2 - COMPACT EXCAVATOR**  
**FIG. 138 - CONTROL PIPING (1)**

Ref.

No.	Part No.	Description	Qty.
1	50287862	ELBOW,G1/4	1
2	50282607	PACKING, 11.0	1
3	50280841	JOINT	2
4	50280806	ELBOW PF1/4	2
5	50282470	O-RING 1B P-11.0	2
6	50280905	CONNECTOR PF1/4-45	1
7	50282607	PACKING, 11.0	1
8	50282438	JOINT RGI1/4	2
9	50282441	JOINT 90RGI1/4	2
10	50282443	JOINT 45RGI1/4	2
11	50280792	JOINT PF1/4	10
12	50281106	CONNECTOR PF1/4	2
13	50282607	PACKING, 11.0	12
14	50282838	CLIP 400,HOSE	1
15	50282972	SOUND SHIELD,HOSE	1
16	50283069	SOUND SHIELD,HOSE	1
17	50287953	HOSE, F403BB165S	1
18	50287954	HOSE, G804BY165S	1
19	50287977	HOSE, F403BB110S	1
20	50287978	HOSE, F403BB113S	1
21	50287979	HOSE, F403BB095S	1
22	50287980	HOSE, F403BB138S	1
23	50287981	HOSE, F403BB110S	1
24	50287982	HOSE, G804BY115S	1
25	50287983	HOSE, F403BB140S	1
26	50287984	HOSE, F403BB148S	1
27	50287985	HOSE, F403BB136S	1
28	50287986	HOSE, F403BB148S	1
29	50282709	CLAMP B	4
30	425-34918	CLAMP 13	2
31	50280798	BAND 300 (SN MZZZZZ and Up)	3

# Z35 GEN:2 - COMPACT EXCAVATOR

## FIG. 139 - CONTROL PIPING (2)



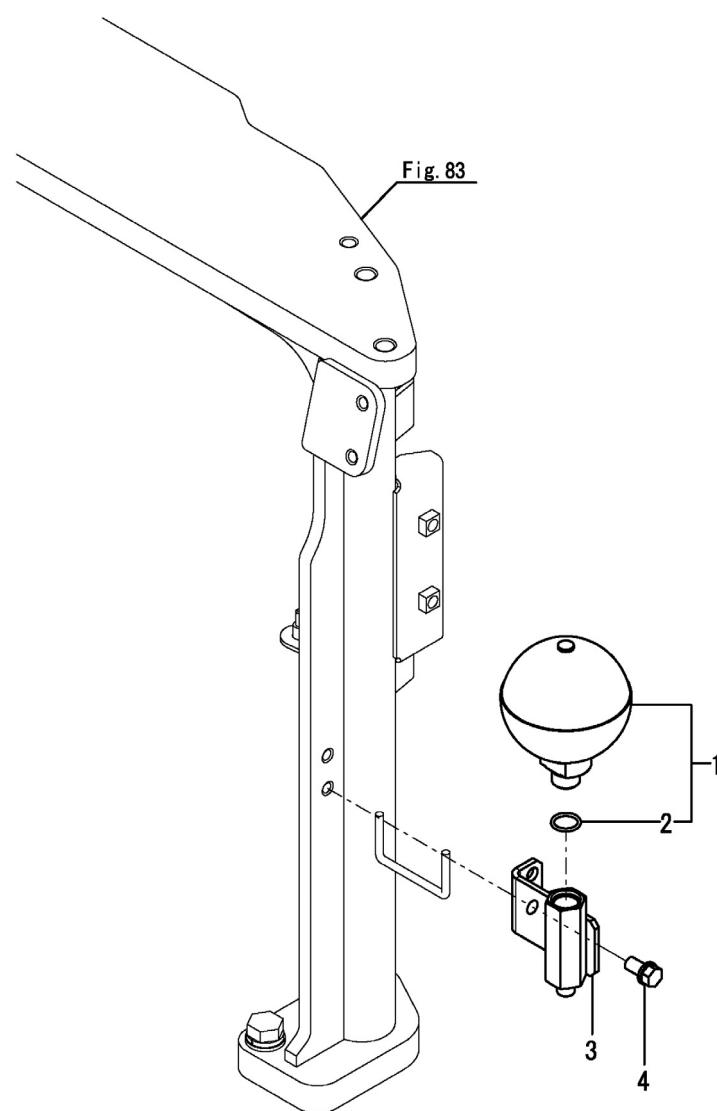
**Z35 GEN:2 - COMPACT EXCAVATOR**  
**FIG. 139 - CONTROL PIPING (2)**

Ref.

No.	Part No.	Description	Qty.
1	50287971	HOSE, F403BC023	1
2	50287972	HOSE, F403BC044	1
3	50287973	HOSE, F403BB047S	1
4	50287974	HOSE, F403BB047S	1
5	50287975	HOSE, F403BB050S	1
6	50287976	HOSE, F403BC101S	1

# Z35 GEN:2 - COMPACT EXCAVATOR

## FIG. 140 - ACCUMULATOR



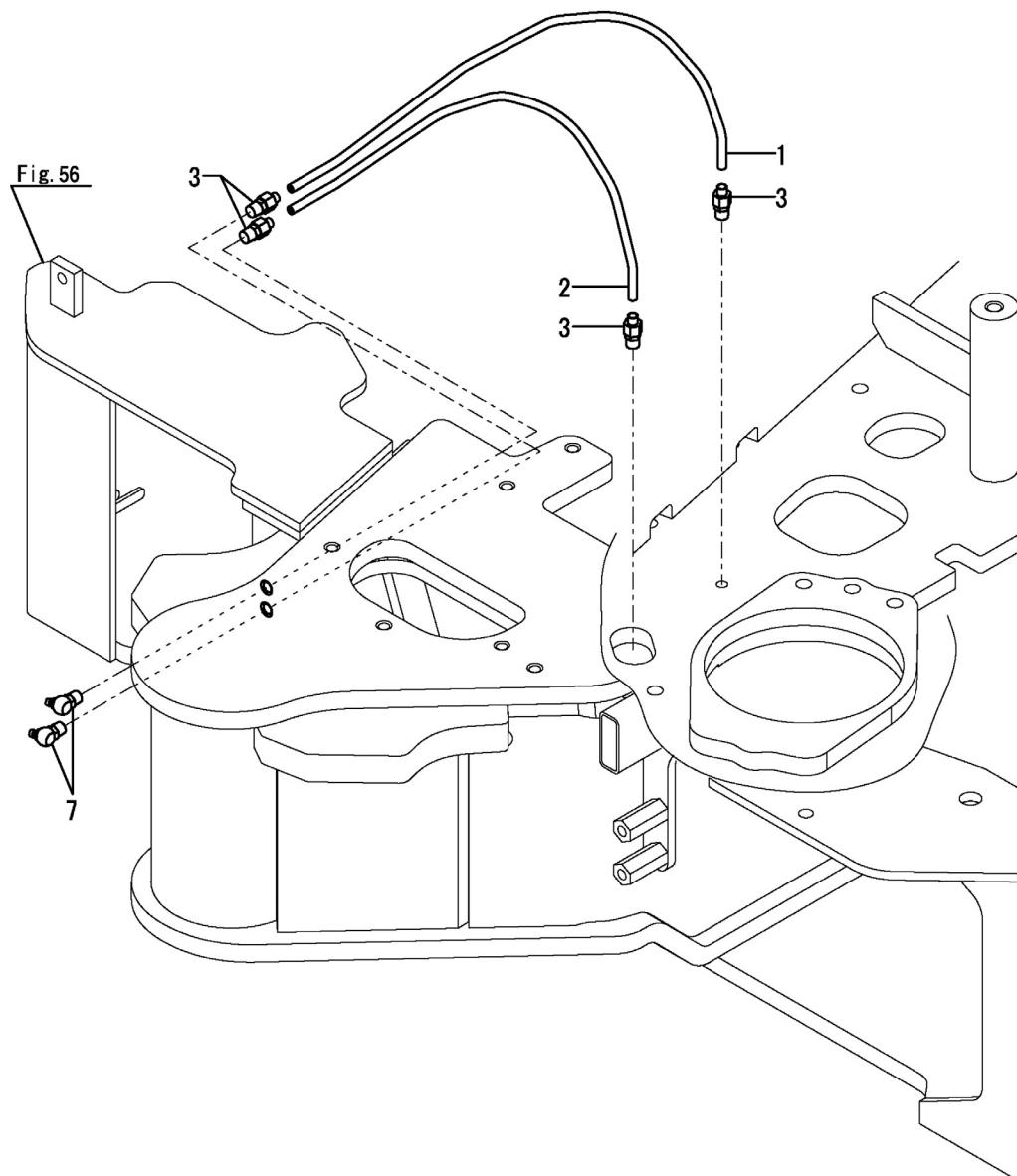
**Z35 GEN:2 - COMPACT EXCAVATOR**  
**FIG. 140 - ACCUMULATOR**

Ref.

No.	Part No.	Description	Qty.
1	50287841	ACCUMULATOR	1
2	50282609	O RING	1
3	50287863	STAY ASSY, ACCUM.	1
4	50282515	BOLT W/WASHER M10X20	2

# Z35 GEN:2 - COMPACT EXCAVATOR

## FIG. 141 - GREASING

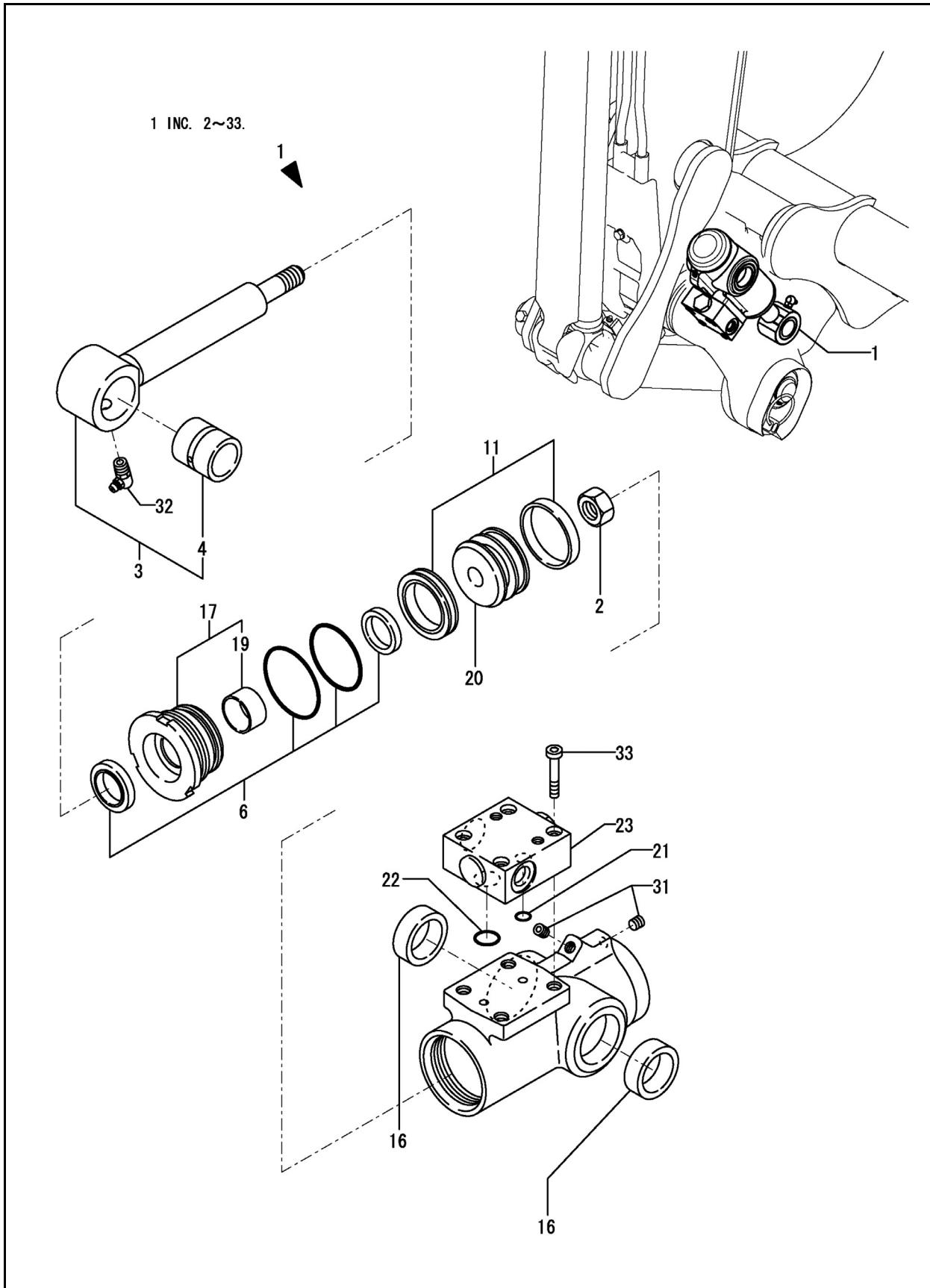


**Z35 GEN:2 - COMPACT EXCAVATOR**  
**FIG. 141 - GREASING**

Ref.

No.	Part No.	Description	Qty.
1	50284704	HOSE	1
2	50282310	HOSE P602YY045	1
3	50281493	JOINT,GREASE	4
7	50282498	NIPPLE B,GREASE	2

**Z35 GEN:2 - COMPACT EXCAVATOR**  
**FIG. 142 - QUICK COUPLER (HITCH CYLINDER)**

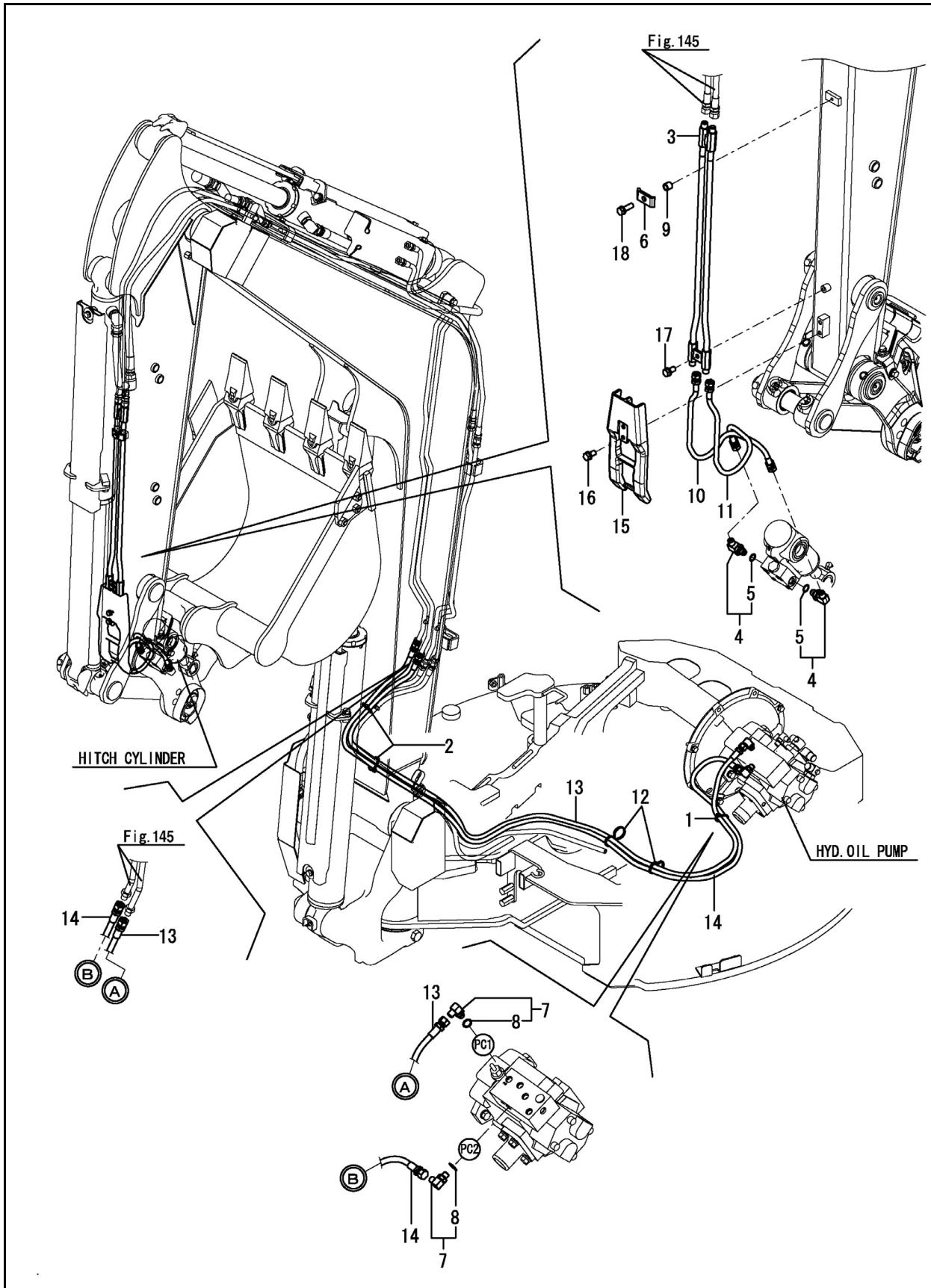


**Z35 GEN:2 - COMPACT EXCAVATOR**  
**FIG. 142 - QUICK COUPLER (HITCH CYLINDER)**

Ref.

No.	Part No.	Description	Qty.
1	50284412	CYLINDER, HITCH	1
2	50284218	U-NUT M 14	1
3	50284409	ROD ASSY, HITCH	1
4	50284219	BUSH, PIN 25 35 B	1
6	50284410	SEAL SET 50X25,HEAD	1
11	50284411	SEAL SET,PISTON(50-2	1
16	50284416	BUSHING 30-40-13	2
17	50284414	HEAD ASSY 50 25	1
19	50282494	BUSHING 25X15	1
20	50284415	PISTON 50 25	1
21	50281374	O-RING P8	1
22	50281375	O-RING P14	1
23	50283277	VALVE ASSY,OPERATE	1
31	50282446	PLUG, PT1/16	2
32	50282499	NIPPLE C,GREASE	1
33	50282582	BOLT M 6X 30	4

**Z35 GEN:2 - COMPACT EXCAVATOR**  
**FIG. 143 - QUICK COUPLER (HYD. OIL PIPING:1)**

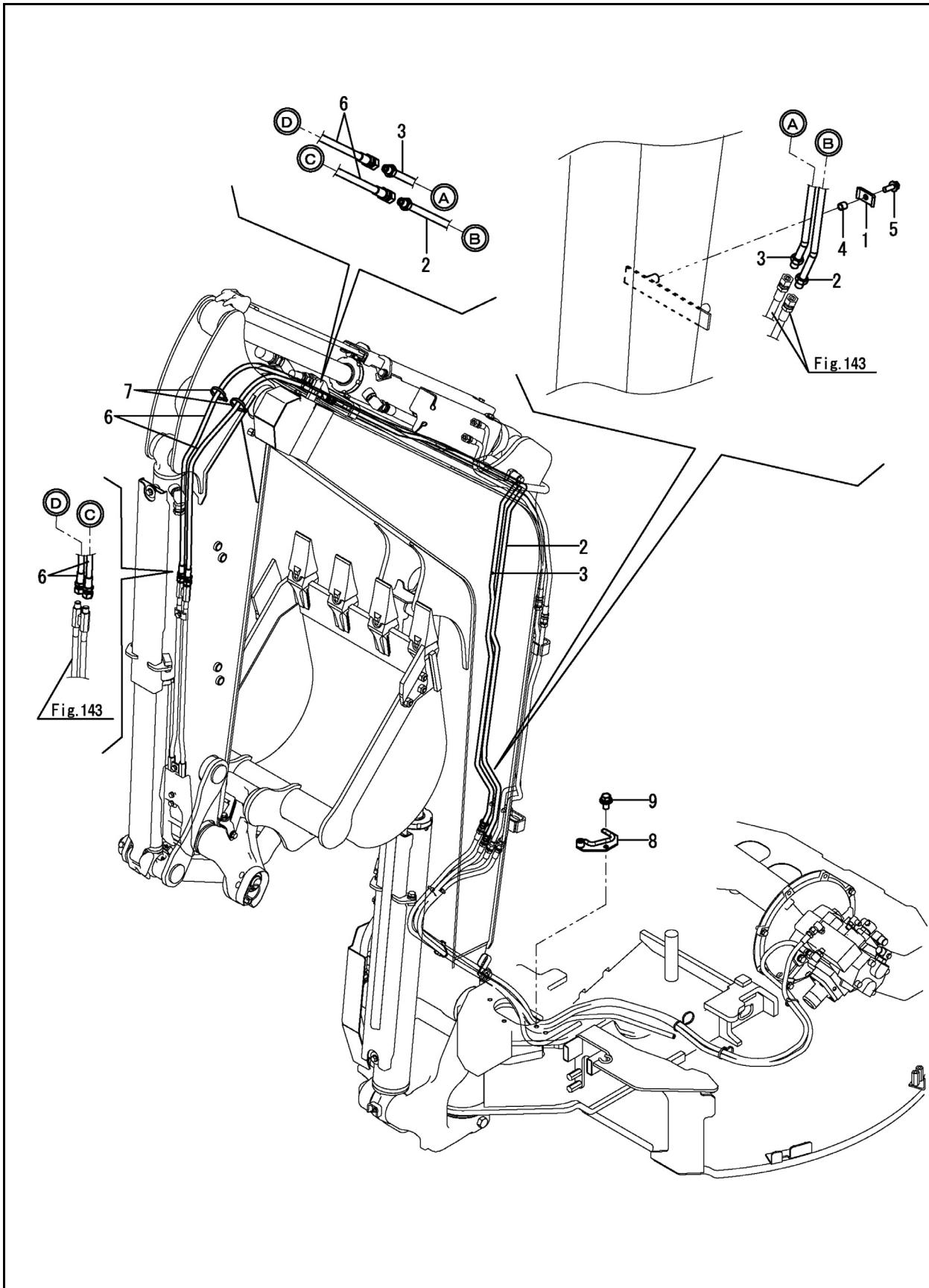


**Z35 GEN:2 - COMPACT EXCAVATOR**  
**FIG. 143 - QUICK COUPLER (HYD. OIL PIPING:1)**

Ref.

No.	Part No.	Description	Qty.
1	50282352	BAND	1
2	50282352	BAND	2
3	50286219	HITCH TUBE	1
4	50283278	ELBOW PF1/4-PF1/4	2
5	50282470	O-RING 1B P-11.0	2
6	50280772	PLATE	1
7	50280813	CONNECTOR ASSY, 02FF	2
8	50282607	PACKING, 11.0	2
9	50280808	COLLAR 9X11	1
10	50284418	HOSE	1
11	50284419	HOSE	1
12	50286462	BAND	2
13	50287955	HOSE, H604BB238K	1
14	50287956	HOSE, H604BB238K	1
15	50286221	ARM COVER	1
16	50282506	BOLT W/WASHER M8X16	2
17	50282506	BOLT W/WASHER M8X16	1
18	425-35026	BOLT M8 X 25	1

**Z35 GEN:2 - COMPACT EXCAVATOR**  
**FIG. 145 - QUICK COUPLER (HYD. OIL PIPING:2)**



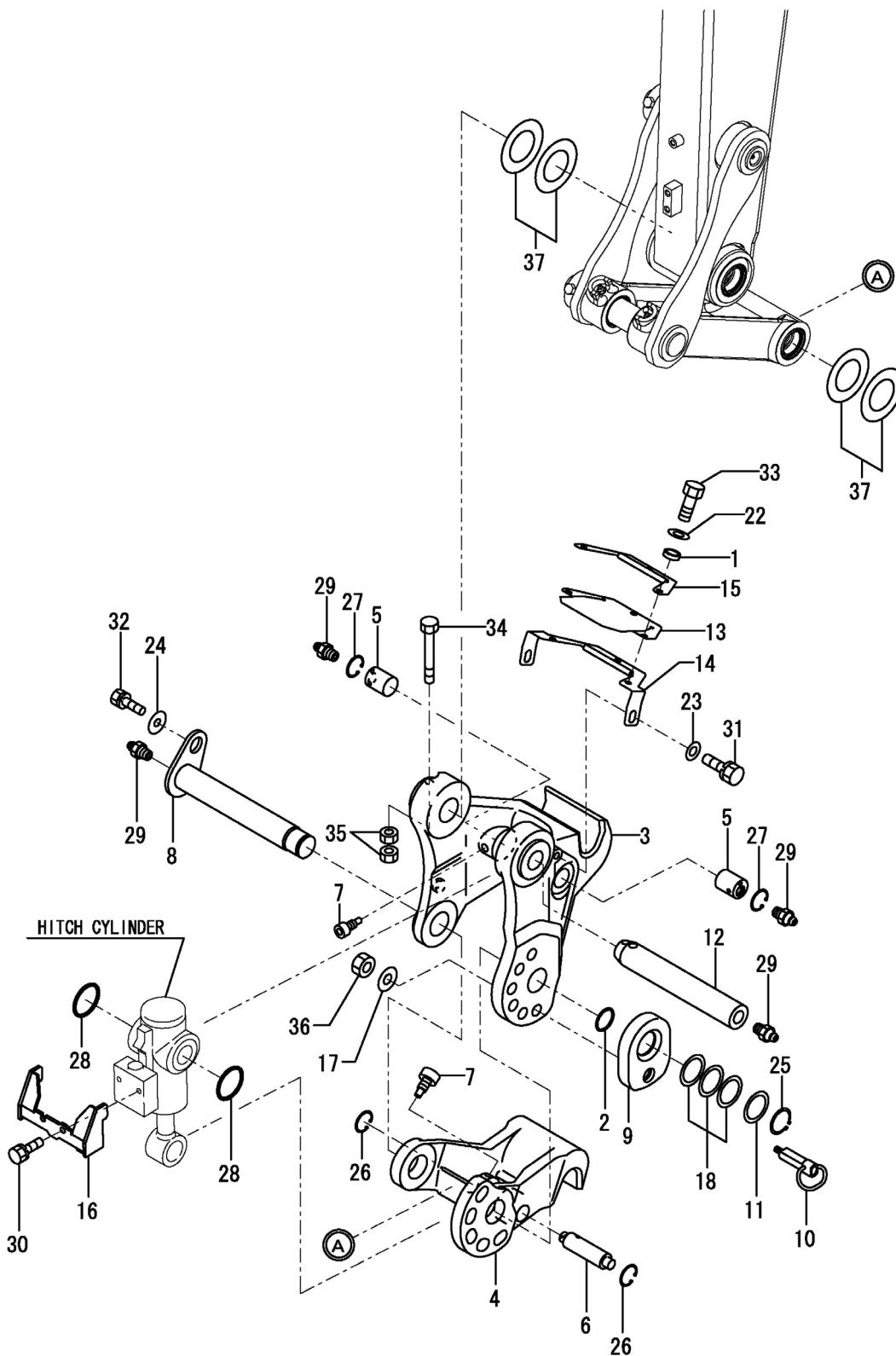
**Z35 GEN:2 - COMPACT EXCAVATOR**  
**FIG. 145 - QUICK COUPLER (HYD. OIL PIPING:2)**

Ref.

No.	Part No.	Description	Qty.
1	50280772	PLATE	1
2	50287895	TUBE ASSY,L QH	1
3	50287897	TUBE ASSY,R QH	1
4	50280808	COLLAR 9X11	1
5	425-35026	BOLT M8 X 25	1
6	50287957	HOSE, H604BB104K	2
7	50282709	CLAMP B	2
8	50287902	GUIDE ASSY,HOSE Q-K	1
9	50282538	BOLT M10X 20	1

# Z35 GEN:2 - COMPACT EXCAVATOR

## FIG. 147 - QUICK COUPLER (BODY)



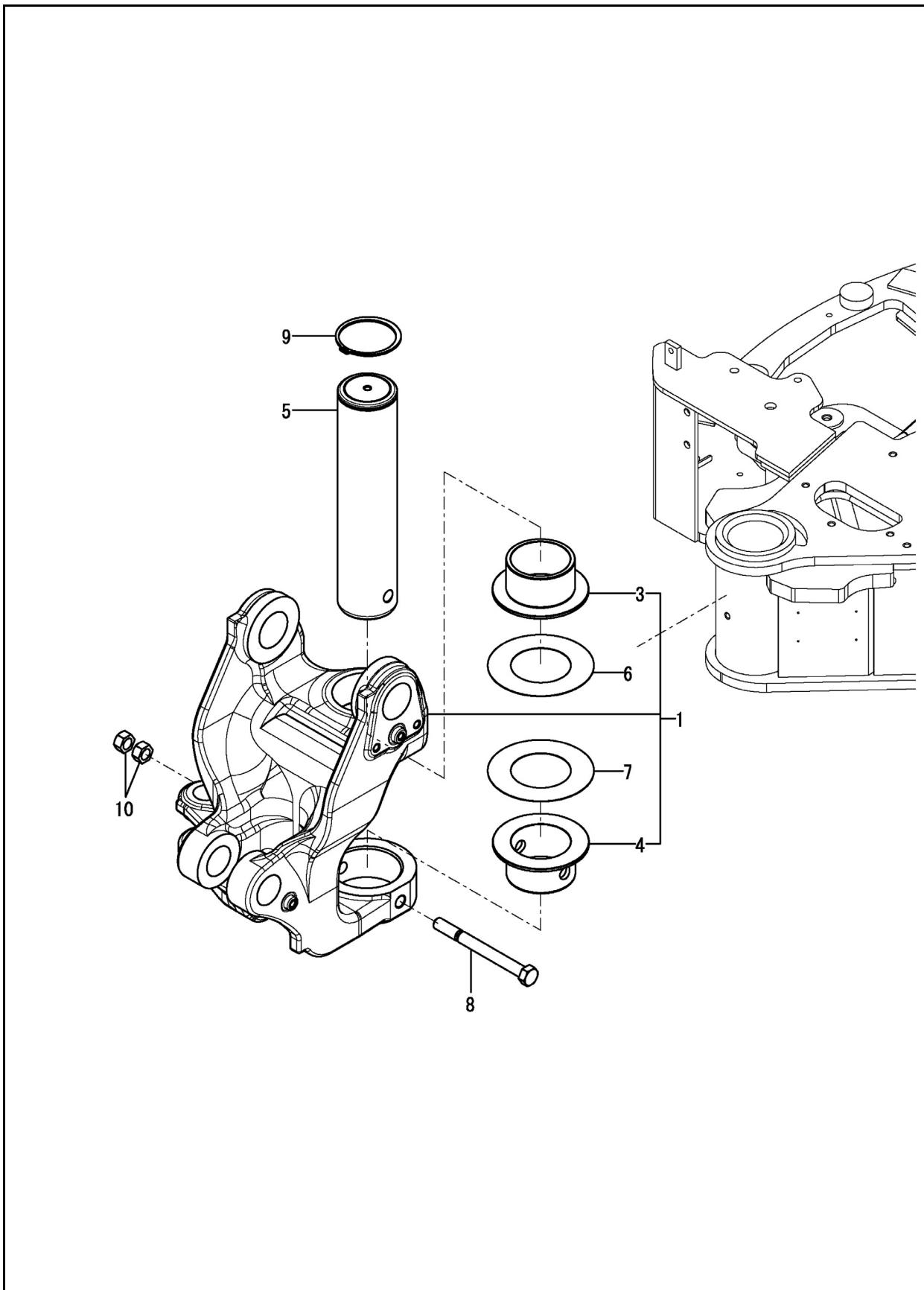
**Z35 GEN:2 - COMPACT EXCAVATOR**  
**FIG. 147 - QUICK COUPLER (BODY)**

Ref.

No.	Part No.	Description	Qty.
1	50281363	COLLER 9X4	3
2	50280793	O-RING 27X5.7	1
3	50286223	BRACKET	1
4	50286225	BRACKET	1
5	50284426	PIN 30X37	2
6	50284428	PIN, 25X86	1
7	50283280	BOLT	3
8	50284429	PIN 38X237	1
9	50286227	LOCK PLATE	1
10	50284430	ROCK PIN	1
11	50281378	COLLAR 35.5X55X1.2	1
12	50284431	PIN 38X242	1
13	50284432	PLATE, RUBBER	1
14	50286229	GUARD ASSY	1
15	50286231	GUARD ASSY	1
16	50286233	HITCH COVER	1
17	50283282	WASHER 6.4X15.5X1.5	1
18	50282733	SHIM 35	1
22	50282380	WASHER 8, POLISHED	3
23	138111	WASHER/POLISHED	2
24	50282388	WASHER 12	1
25	50282400	CIRCLIP 35	1
26	50284840	CIRCLIP 25	2
27	197783	CIRCLIP 30	2
28	50284850	O-RING 1A P-48.0	2
29	50282497	NIPPLE PT1/8,GREASE	4
30	50282506	BOLT W/WASHER M8X16	2
31	50282515	BOLT W/WASHER M10X20	2
32	50282525	BOLT W/WASHER M12X30	1
33	50282562	BOLT M 8X 20 PLATED	3
34	50284123	BOLT M10 X 80 PLATED	1
35	50282597	NUT 10	2
36	425-34984	LOCK NUT M6 PLATED	1
37	50284879	SHIM SET,38X(0.8,1.2	2

# Z35 GEN:2 - COMPACT EXCAVATOR

## FIG. 149 - BOOM BRACKET



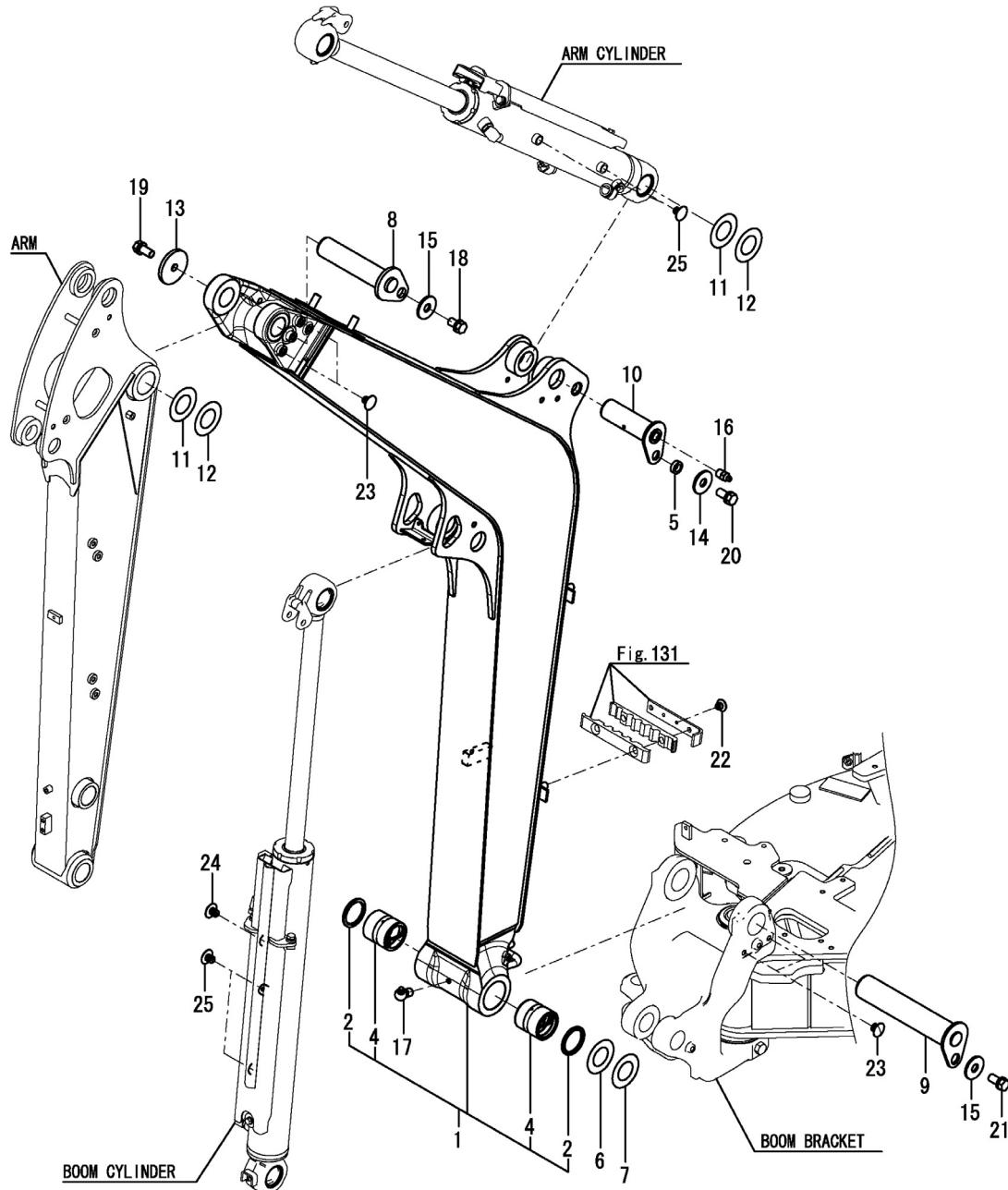
**Z35 GEN:2 - COMPACT EXCAVATOR**  
**FIG. 149 - BOOM BRACKET**

Ref.

No.	Part No.	Description	Qty.
1	50288008	BRACKET ASSY,BOOM	1
3	50288011	BUSH,90X105 A	1
4	50288012	BUSH,90X105 B	1
5	50288013	PIN ASSY,90X396	1
6	50287128	SHIM 90X160X0.5	1
7	50287129	SHIM 90X160X0.8	1
8	50287130	BOLT 18X190	1
9	50288150	RING	1
10	50282600	NUT M18	2

# Z35 GEN:2 - COMPACT EXCAVATOR

## FIG. 151 - BOOM



**Z35 GEN:2 - COMPACT EXCAVATOR**  
**FIG. 151 - BOOM**

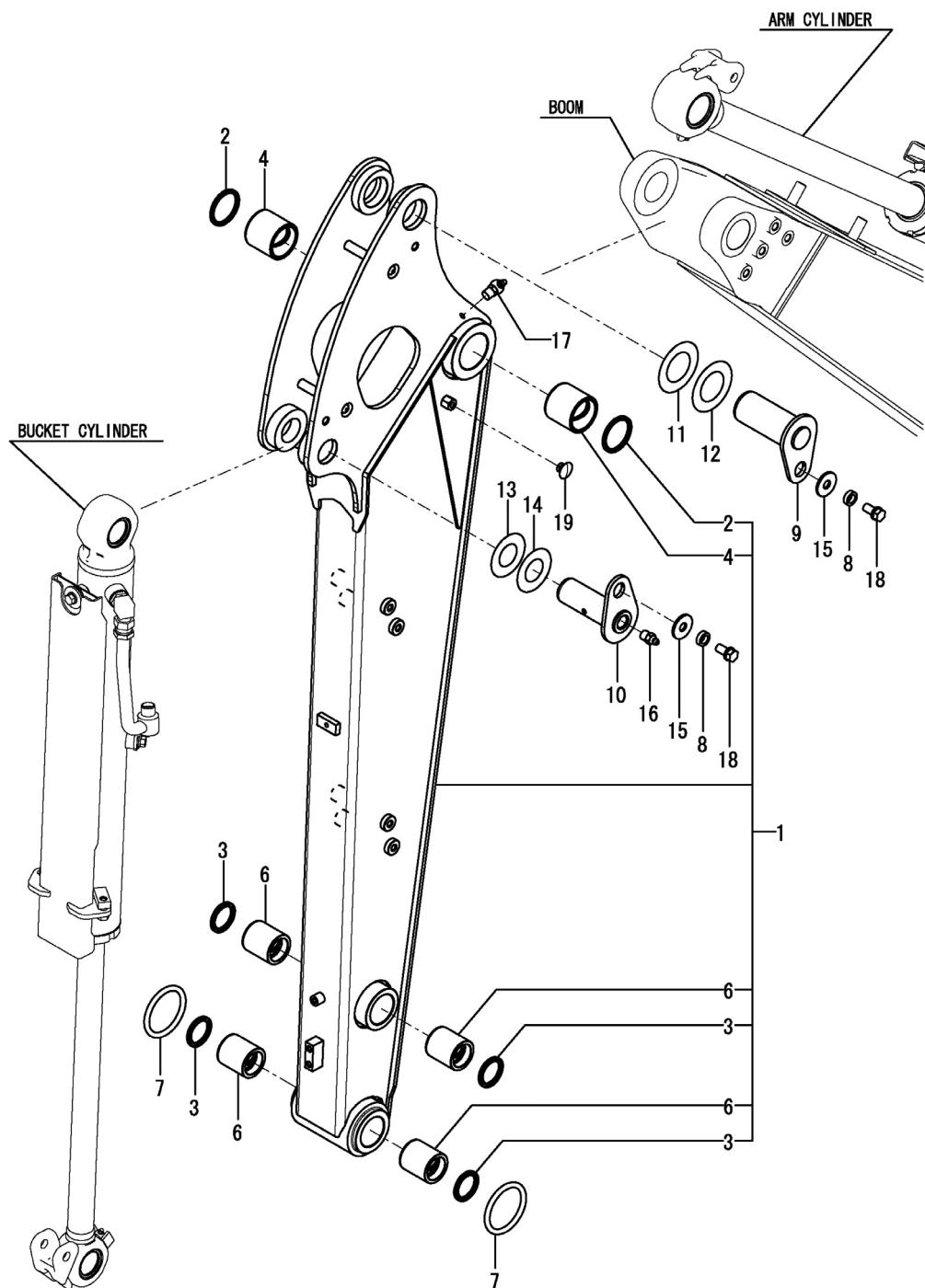
**Ref.**

No.	Part No.	Description	Qty.
1	50287993	BOOM ASSY (replacement also requires label 4A)	1
2	50280749	SEAL 60 X 75 X 5	2
4	50287142	BUSH	2
4A	50282884	LABEL, BOOM US *	2
5	50280892	SPACER	1
6	50280910	SHIM 60X110X0.8	1
7	50280911	SHIM	1
8	50288000	PIN ASSY,50X219	1
9	50288001	PIN ASSY, 60X310	1
10	50288002	PIN ASSY,50X158 A	1
11	50280899	SHIM 50X90X0.5	2
12	50280900	SHIM 50X90X1.2	2
13	50282739	SPACER	1
14	50282388	WASHER 12	1
15	50282388	WASHER 12	2
16	50282497	NIPPLE PT1/8,GREASE	1
17	50282498	NIPPLE B,GREASE	1
18	50284100	BOLT W/WASHER M12 X 20	1
19	50284101	BOLT M12 X 25	1
20	50284101	BOLT M12 X 25	1
21	50284101	BOLT M12 X 25	1
22	50281050	CLIP	2
23	50284234	CLIP, TREE	4
24	50280920	TREE CLIP	1
25	50280920	TREE CLIP	4

NOTE: \* Label shown on Page 4

# Z35 GEN:2 - COMPACT EXCAVATOR

FIG. 153 - ARM



**Z35 GEN:2 - COMPACT EXCAVATOR**  
**FIG. 153 - ARM**

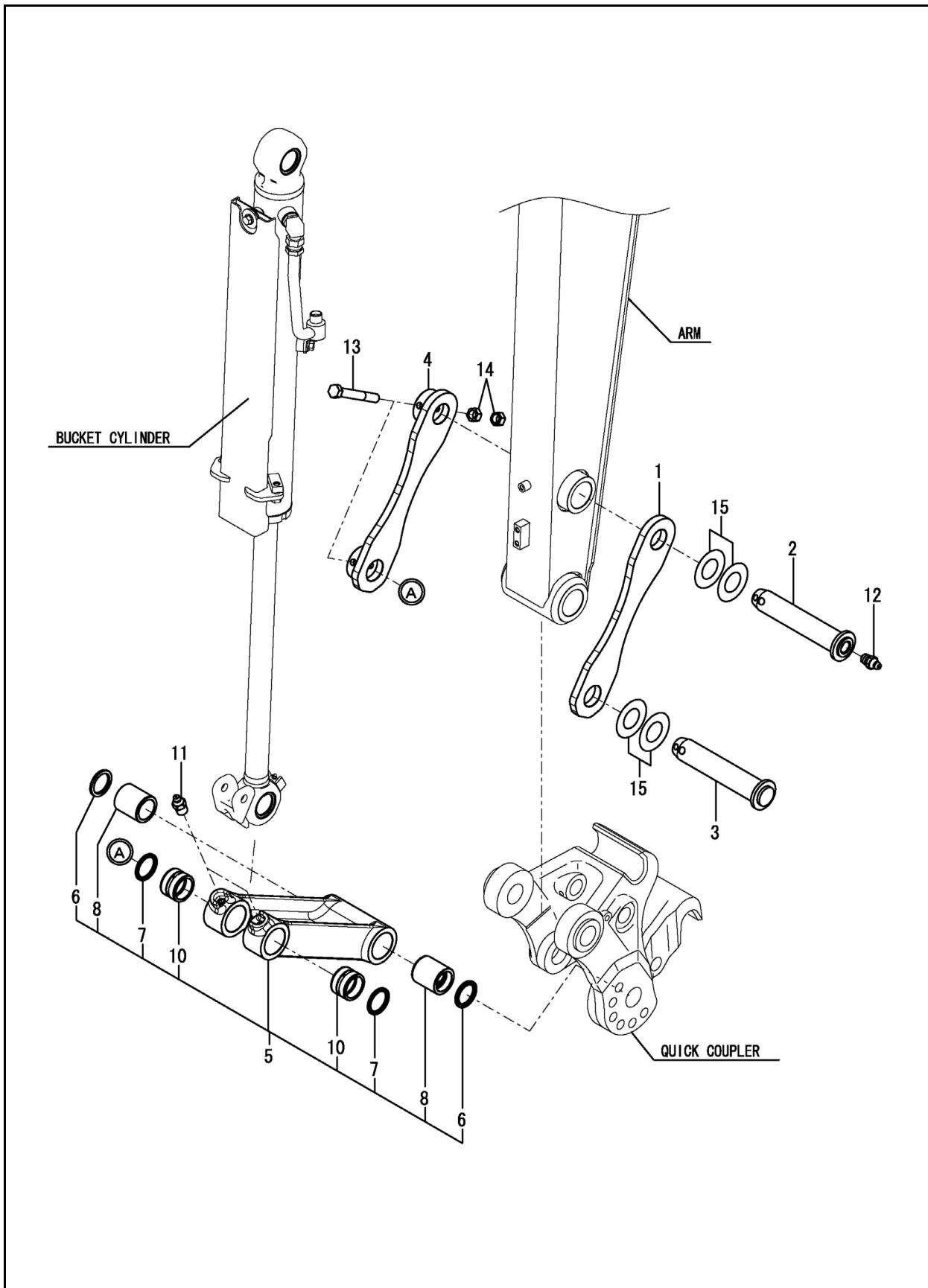
**Ref.**

No.	Part No.	Description	Qty.
1	50287996	ARM ASSY,1370 (replacement also requires labels 6A, 6B)	1
2	50281061	SEAL 50X60X4,DUST	2
3	50284228	SEAL,DUST 38X50X4	4
4	50284264	BUSHING	2
6	50284368	BUSHING 38-55	4
6A	50281176	LABEL, FINGER US *	1
6B	50281181	LABEL,LOCK PIN US *	1
7	50284212	O-RING	2
8	50280892	SPACER	2
9	50288004	PIN ASSY,50X114	1
10	50288006	PIN ASSY,40X114	1
11	50280899	SHIM 50X90X0.5	1
12	50280900	SHIM 50X90X1.2	1
13	50282812	SHIM 40X75X0.5	1
14	50282813	SHIM 40X75X1.2	1
15	50282388	WASHER 12	2
16	50282497	NIPPLE PT1/8,GREASE	1
17	50282498	NIPPLE B,GREASE	1
18	50284101	BOLT M12 X 25	2
19	50280920	TREE CLIP	1

NOTE: \* Labels shown on Page 12

# Z35 GEN:2 - COMPACT EXCAVATOR

## FIG. 155 - BUCKET ARM & LINK



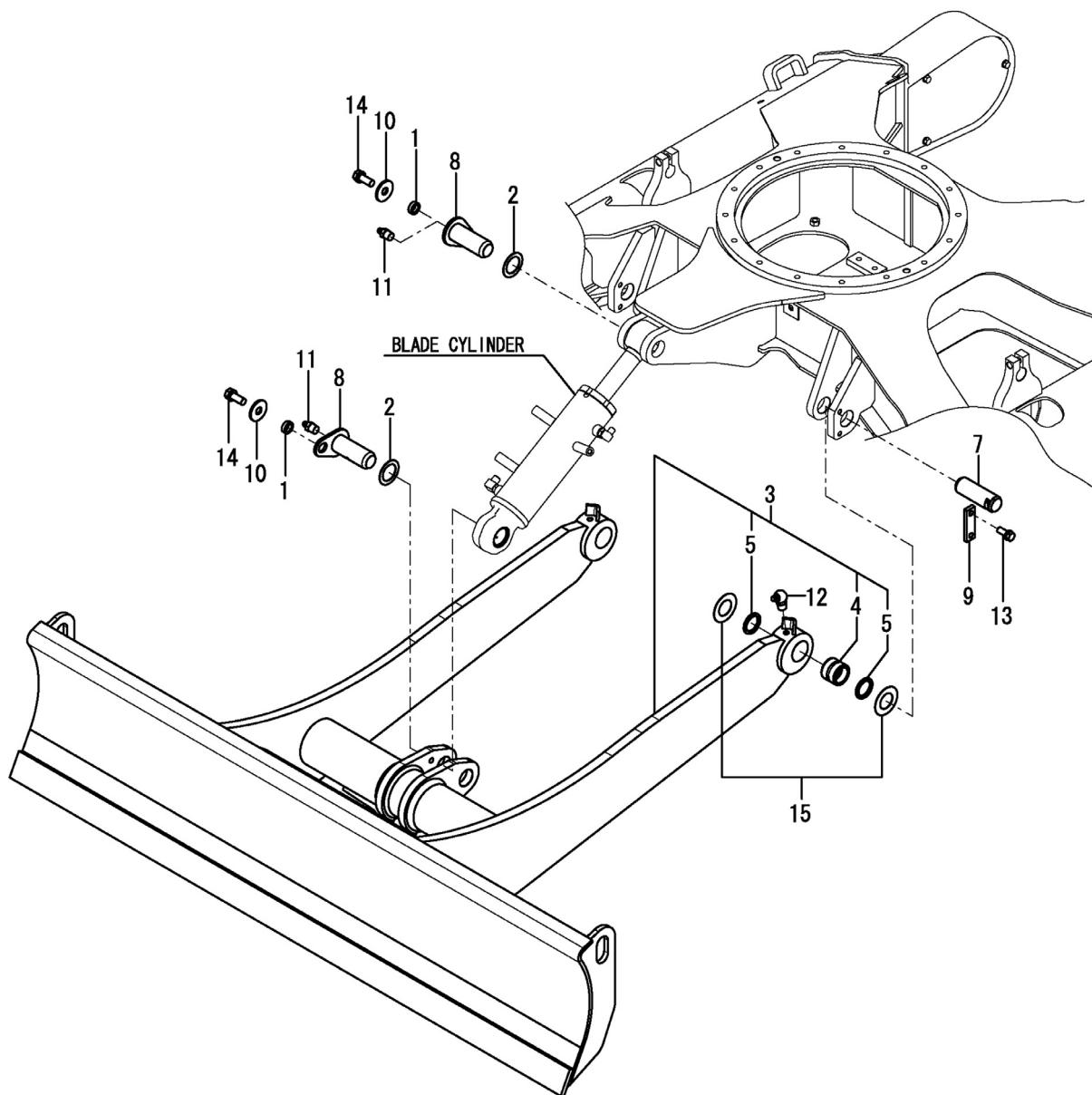
**Z35 GEN:2 - COMPACT EXCAVATOR**  
**FIG. 155 - BUCKET ARM & LINK**

Ref.

No.	Part No.	Description	Qty.
1	50286173	BUCKET ARM	1
2	50288003	PIN ASSY,38X182 P	1
3	50288005	PIN ASSY,38X182 P A	1
4	50286199	BUCKET ARM	1
5	50288014	LINK ASSY,BUCKET	1
6	50284228	SEAL,DUST 38X50X4	2
7	50284228	SEAL,DUST 38X50X4	4
8	50284368	BUSHING 38-55	2
10	50288017	BUSH, 38X50X33.5	2
11	50282497	NIPPLE PT1/8,GREASE	2
12	50282497	NIPPLE PT1/8,GREASE	1
13	50284122	BOLT M10 X 75 PLATED	2
14	50282597	NUT 10	4
15	50284879	SHIM SET,38X(0.8,1.2	2

# Z35 GEN:2 - COMPACT EXCAVATOR

## FIG. 157 - BLADE

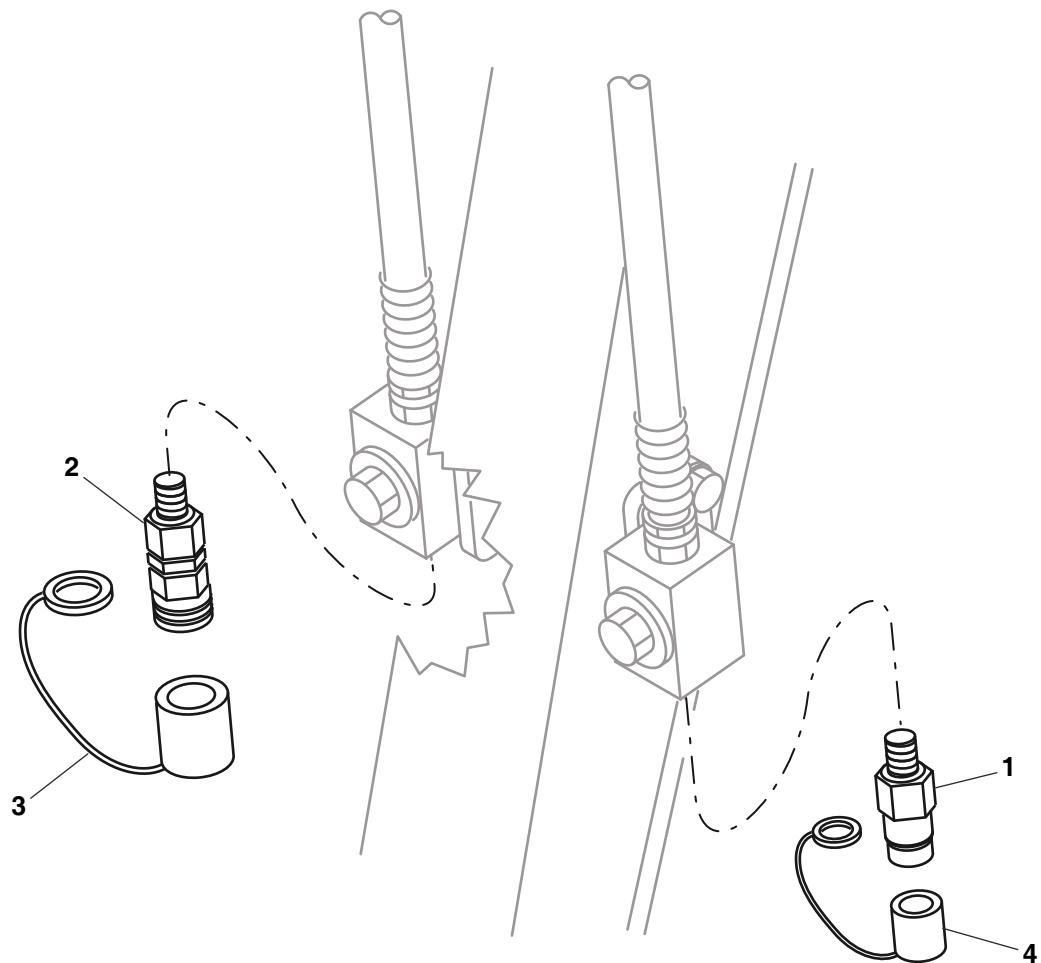


**Z35 GEN:2 - COMPACT EXCAVATOR**  
**FIG. 157 - BLADE**

Ref.

No.	Part No.	Description	Qty.
1	50280892	SPACER	2
2	50284192	SHIM 40X1	2
3	50288018	BLADE ASSY, 1740	1
4	50284226	BUSHING 38X50X40	2
5	50284228	SEAL,DUST 38X50X4	4
7	50284251	PIN 38X 114	2
8	50284213	PIN 40 X 106	2
9	50282717	PLATE, LOCK	2
10	50282388	WASHER 12	2
11	50282497	NIPPLE PT1/8,GREASE	2
12	50282498	NIPPLE B,GREASE	2
13	50282516	BOLT W/WASHER M10X25	4
14	50282525	BOLT W/WASHER M12X30	2
15	50284879	SHIM SET,38X(0.8,1.2	2

**Z35 GEN:2 - COMPACT EXCAVATOR  
HYDRAULIC QUICK-CONNECT COUPLERS**



**Z35 GEN:2 - COMPACT EXCAVATOR  
HYDRAULIC QUICK-CONNECT COUPLERS**

**Ref.**

No.	Part No.	Description	Qty.
1	50300958	COUPLER/MALE BSPT08	1
2	50300968	COUPLER/FEMALE BSPT08	1
3	271084	COVER/DUST FEMALE 08	1
4	271083	COVER/DUST MALE 08	1

NOTE: See Page 254 for related components.

**Z35 GEN:2 - COMPACT EXCAVATOR  
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50287308	167	19	50287344	169	8	50287381	161	20
50287309	167	20	50287345	165	13	50287382	161	21
50287310	167	21	50287346	165	20	50287383	161	22
50287311	167	22	50287347	165	14	50287384	161	23
50287312	167	23	50287347	165	21	50287385	171	17

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50287387	171	19	50287423	11	33	50287468	17	5
50287388	171	20	50287424	11	27	50287469	17	6
50287389	171	21	50287425	11	28	50287471	17	8
50287390	171	22	50287426	7	5	50287472	17	9
50287391	171	23	50287427	11	23	50287473	17	10
50287392	171	24	50287428	9	14	50287475	17	12
50287393	171	25	50287428	11	14	50287476	17	13
50287394	171	26	50287429	7	8	50287477	17	14
50287395	175	30	50287429	17	9A	50287478	23	3
50287396	175	31	50287430	9	16	50287479	27	3
50287397	175	32	50287430	11	16	50287480	19	8
50287398	161	24	50287430	137	11B	50287481	23	8
50287399	161	25	50287431	11	29	50287482	23	9
50287400	161	26	50287431	171	28A	50287483	23	10
50287401	175	33	50287432	9	18	50287484	25	1
50287401	175	34	50287432	11	18	50287485	25	1-1
50287402	175	35	50287433	9	19	50287486	25	2
50287403	175	36	50287433	11	19	50287487	27	9-1
50287404	175	37	50287434	5	14	50287488	27	12
50287405	175	38	50287435	13	8	50287489	29	2
50287406	175	39	50287435	153	1G	50287491	29	4
50287407	175	40	50287435	169	40D	50287492	29	5
50287408	175	42	50287436	13	9	50287493	27	13
50287409	161	27	50287436	153	1H	50287494	25	3
50287410	173	24	50287436	169	40E	50287496	25	5
50287411	173	25	50287447	29	1	50287497	25	6
50287412	191	25	50287448	15	1	50287499	31	18
50287413	203	1	50287449	15	2	50287501	31	20
50287413	205	1	50287453	231	1	50287502	31	12
50287414	205	2	50287454	31	1	50287503	31	22
50287415	205	3	50287457	17	1	50287504	31	13
50287416	205	4	50287458	17	2	50287505	31	23
50287417	205	5	50287459	37	1	50287506	33	5
50287418	205	11	50287460	19	1	50287507	33	6
50287419	205	12	50287461	19	2	50287508	33	11
50287420	205	10	50287462	19	3	50287511	35	2
50287421	11	34	50287463	19	5	50287513	35	4
50287422	9	5	50287464	19	6	50287514	55	1
50287422	11	5	50287465	19	7	50287514	55	9

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50287517	35	6	50287561	75	4	50287601	83	1
50287518	37	3	50287562	67	5	50287602	83	2
50287519	37	4	50287563	67	6	50287603	83	14
50287520	37	5	50287563	75	5	50287604	83	17
50287522	41	2	50287564	69	4	50287605	83	18
50287524	55	2	50287564	77	4	50287606	83	19
50287525	49	1	50287565	69	5	50287607	89	1
50287526	49	2	50287565	77	5	50287608	93	24
50287528	59	2- 1	50287566	79	2	50287609	93	25
50287530	53	2	50287567	79	3	50287610	93	2
50287531	53	3	50287568	79	4	50287612	93	5
50287532	49	3	50287570	79	7	50287614	95	2
50287533	49	4	50287571	71	10	50287616	95	6
50287534	65	2	50287572	71	11	50287617	95	7
50287536	61	2	50287573	71	12	50287618	95	8
50287537	41	33	50287575	73	2	50287620	93	8
50287538	49	5	50287576	73	5	50287621	99	1
50287539	43	1	50287579	67	12	50287623	97	2
50287540	41	10	50287580	67	14	50287624	91	1
50287541	41	11	50287581	67	13	50287625	99	4
50287542	41	12	50287582	67	16	50287626	99	5
50287544	57	3- 1	50287583	73	6	50287627	99	6
50287545	57	3A	50287584	69	6	50287629	99	9
50287546	57	5	50287584	77	6	50287630	99	10
50287547	57	6	50287585	69	7	50287631	103	20
50287548	57	11	50287586	69	8	50287632	103	21
50287549	57	13	50287588	73	7	50287633	103	2
50287550	55	4	50287590	69	11	50287635	103	6
50287551	99	27	50287592	69	14	50287636	103	8
50287552	75	7	50287594	67	15	50287637	103	9
50287553	63	1	50287595	69	17	50287638	135	1
50287554	63	2	50287595	77	7	50287639	97	8
50287555	51	19	50287596	69	18	50287641	119	1
50287556	143	6	50287596	77	8	50287646	109	3
50287557	71	3	50287597	69	19	50287647	109	5
50287558	67	2	50287598	67	17	50287648	121	1
50287558	75	2	50287598	75	9	50287649	113	1
50287559	67	3	50287599	69	20	50287650	113	2

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50287653	113	4	50287696	129	3	50287741	145	7
50287656	113	8	50287697	133	6	50287742	145	8
50287659	113	12	50287698	131	7	50287743	145	9
50287662	123	1	50287698	133	19	50287744	145	10
50287663	123	3	50287699	131	8	50287745	145	11
50287664	117	1	50287700	133	7	50287746	145	4
50287665	117	2	50287702	131	9	50287747	145	5
50287666	117	3	50287703	133	9	50287748	145	6
50287667	117	4	50287704	133	10	50287749	155	1
50287668	117	5	50287706	133	12	50287750	145	12
50287669	113	6	50287707	133	14	50287751	149	1
50287670	113	10	50287708	135	2	50287754	149	3
50287671	113	14	50287709	75	10	50287755	149	4
50287672	113	7	50287709	135	5	50287756	149	5
50287673	113	15	50287710	131	10	50287757	149	6
50287674	113	19	50287710	133	15	50287758	231	33
50287674	113	20	50287711	139	6	50287759	151	1
50287676	115	4	50287712	139	7	50287762	151	5
50287677	231	31	50287713	139	8	50287765	151	4
50287678	231	32	50287714	139	9	50287766	151	7
50287679	115	6	50287715	137	3	50287767	151	8
50287680	115	7	50287716	137	4	50287768	151	10
50287681	125	1	50287717	135	6	50287769	155	2
50287681	127	1	50287718	135	3	50287770	151	9
50287682	127	2	50287720	135	12	50287771	151	11
50287683	127	3	50287721	137	2	50287772	115	8
50287684	125	2	50287722	137	5	50287772	145	14
50287685	125	3	50287723	137	6	50287772	163	2
50287686	125	4	50287724	137	11	50287772	171	3
50287687	125	5	50287725	137	12	50287776	153	1
50287688	127	4	50287727	137	14	50287777	155	3
50287689	125	6	50287728	137	7	50287778	155	4
50287690	127	5	50287729	137	8	50287779	155	16
50287691	125	7	50287730	143	1	50287780	189	7
50287692	125	8	50287731	143	8	50287781	191	8
50287692	127	6	50287733	139	4-1	50287782	189	5
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50287789	189	39	50287844	217	1	50287872	253	11
50287790	189	27	50287844	219	1	50287873	237	15
50287792	189	14	50287845	225	2	50287874	257	6
50287792	191	15	50287846	225	4	50287874	259	6
50287794	189	20	50287847	221	1	50287875	237	17
50287794	189	26	50287848	223	1	50287876	251	1
50287797	191	5	50287849	221	6	50287878	251	2
50287797	193	5	50287849	223	6	50287880	239	12
50287799	191	24	50287850	221	13	50287881	255	4
50287801	195	3	50287851	223	15	50287883	255	5
50287802	191	26	50287852	225	3	50287885	251	3
50287804	191	6	50287853	229	4	50287886	251	4
50287805	191	32	50287854	227	4	50287887	251	5
50287808	193	6	50287855	27	21	50287888	251	6
50287811	193	25	50287856	255	1	50287890	251	7
50287812	193	8	50287857	229	1	50287892	251	8
50287813	193	26	50287858	227	1	50287894	255	6
50287815	193	27	50287860	231	15	50287895	273	2
50287817	193	31	50287861	231	16	50287897	273	3
50287819	191	46	50287862	233	1	50287899	237	19
50287819	193	40	50287862	235	2	50287900	253	26
50287820	195	1	50287862	239	1	50287901	253	27
50287823	195	18	50287862	247	1	50287902	273	8
50287824	195	19	50287862	249	1	50287903	255	15
50287826	195	23	50287862	257	1	50287904	135	13
50287828	197	1	50287862	259	1	50287905	233	9
50287831	197	18	50287862	261	1	50287906	233	10
50287833	197	22	50287863	265	3	50287907	233	11
50287835	197	29	50287864	237	1	50287908	233	12
50287836	197	9	50287865	239	15	50287909	233	13
50287837	197	23	50287866	235	4	50287910	233	14
50287839	187	6	50287868	237	2	50287911	243	1
50287840	199	2	50287868	249	5	50287912	243	2
50287841	265	1	50287868	253	9	50287913	245	1
50287843	203	2	50287869	237	4	50287914	245	2
50287844	207	1	50287870	237	8	50287915	247	6
50287844	209	1	50287870	237	24	50287916	243	3
50287844	211	1	50287870	247	3	50287917	243	4
50287844	213	1	50287871	249	9	50287918	243	5

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50287921	247	7	50287961	253	19	50287992	243	9
50287922	247	8	50287962	253	20	50287993	279	1
50287923	241	1	50287963	255	25	50287996	281	1
50287924	233	15	50287964	255	26	50287999	189	44
50287925	249	14	50287965	257	10	50288000	279	8
50287926	249	15	50287966	259	10- 1	50288001	279	9
50287927	249	16	50287966	259	10- 1	50288002	189	45
50287928	249	17	50287967	259	11	50288002	279	10
50287929	249	18	50287968	257	11	50288003	283	2
50287930	249	19	50287968	259	12	50288004	281	9
50287931	249	20	50287969	257	12	50288005	283	3
50287932	249	21	50287969	259	13	50288006	281	10
50287933	251	12	50287970	257	13	50288007	195	34
50287934	251	13	50287970	259	14	50288008	277	1
50287934	251	21	50287971	263	1	50288011	277	3
50287935	251	14	50287972	263	2	50288012	277	4
50287936	235	14	50287973	263	3	50288013	277	5
50287937	247	9	50287974	263	4	50288014	283	5
50287938	241	2	50287975	263	5	50288017	283	10
50287939	241	3	50287976	263	6	50288018	285	3
50287940	241	4	50287977	261	19	50288020	73	1
50287941	241	5	50287978	261	20	50288021	67	9
50287942	241	6	50287979	261	21	50288022	67	10
50287943	233	16	50287980	261	22	50288023	67	11
50287944	235	15	50287981	261	23	50288024	69	9
50287945	241	7	50287982	261	24	50288025	69	15
50287946	247	10	50287983	261	25	50288026	69	12
50287947	241	8	50287984	261	26	50288026	73	8
50287948	241	9	50287985	261	27	50288042	9	11
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50287951	241	11	50287987	243	7	50288043	9	22
50287952	241	12	50287988	253	23	50288043	11	22
50287953	261	17	50287989	251	15	50288043	153	11
50287954	261	18	50287989	251	16	50288043	169	39A
50287955	271	13	50287989	251	22	50288059	115	2
50287956	271	14	50287990	251	17	50288060	115	3
50287957	273	6	50287990	251	18	50288061	147	1
50287958	253	16				50288062	159	1

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50288071	175	17	50288120	173	28	50301147	51	3
50288072	175	18	50288121	173	27	50301424	5	5
50288073	175	19	50288122	41	9	50301910	141	11
50288074	175	20	50288149	99	19	210-32084	23	19
50288075	175	23	50288150	277	9	420-34912	1	8
50288076	173	19	50288152	145	21	420-34913	1	9
50288077	175	27	50288153	141	8	420-34914	1	10
50288078	169	29	50288154	67	18	425-34728	231	22
50288079	169	30	50288154	75	12	425-34728	235	6
50288080	161	14	50288156	237	22	425-34733	141	27
50288081	171	27	50288157	205	13	425-34733	141	28
50288082	175	41	50288158	205	14	425-34744	27	7
50288083	179	10	50288162	205	15	425-34744	33	25
50288084	33	34	50288169	253	30	425-34745	225	16
50288085	31	29	50288169	255	18	425-34750	71	15
50288089	59	5	50288170	27	32	425-34760	33	48
50288090	33	38	50288171	71	24	425-34760	93	26
50288093	49	8	50288172	155	13	425-34765	69	29
50288094	131	5	50288173	23	21	425-34765	71	25
50288094	133	4	50288174	179	16	425-34766	71	26
50288095	175	43	50288176	57	10	425-34794	99	25
50288096	173	33	50288177	93	20	425-34838	71	27
50288097	45	1	50288178	153	7	425-34891	37	17
50288100	175	44	50288178	179	17	425-34891	71	16
50288101	45	3	50288179	131	12	425-34891	225	11
50288102	45	4	50288180	169	25	425-34902	23	14
50288104	173	32	50288181	141	31	425-34902	23	15
50288105	95	15	50288183	99	28	425-34902	155	9
50288106	173	34	50288184	137	19	425-34916	27	19
50288108	173	36	50288189	77	15	425-34916	27	20
50288109	139	2	50288190	51	21	425-34916	31	28
50288110	173	29	50288190	173	38	425-34916	33	28
50288112	53	4	50288191	151	18	425-34916	33	29
50288114	79	9	50288194	45	6	425-34916	33	30
50288114	133	16	50300780	5	4	425-34916	33	31
50288114	133	17	50300831	5	2	425-34916	33	32
50288115	173	37	50300958	287	1	425-34916	33	33
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# TORQUE SPECIFICATIONS

*Note: Use these torque values when tightening hardware (excluding: locknuts and self-tapping, thread forming and sheet metal screws) unless specified otherwise.*

**Hydraulic fittings with various seals (light application). All torque values are in lb.-ft. (Nm) unless marked otherwise.**

Thread	Straight pipe fitting with thread and screwed plug (GE)			Non-return valve with elastic seal	Identification aid outside Ø
	Sealing washer	Elastic seal	O-ring		
M10X1.0	7 (9)	13 (18)	11 (15)	13 (18)	0.4 in. (10 mm)
M12X1.5	15 (20)	18 (25)	18 (25)	18 (25)	0.5 in. (12 mm)
M14X1.5	26 (35)	33 (45)	26 (35)	26 (35)	0.6 in. (14 mm)
M16X1.5	33 (45)	41 (55)	30 (40)	37 (50)	0.6 in. (16 mm)
M18X1.5	41 (55)	52 (70)	33 (45)	52 (70)	0.7 in. (18 mm)
M22X1.5	48 (65)	92 (125)	44 (60)	92 (125)	0.9 in. (22 mm)
M27X2.0	66 (90)	133 (180)	74 (100)	107 (145)	1.0 in. (27 mm)
M33X2.0	111 (150)	229 (310)	118 (160)	155 (210)	1.3 in. (33 mm)
M42X2.0	177 (240)	332 (450)	155 (210)	266 (360)	1.7 in. (42 mm)
M48X2.0	214 (290)	398 (540)	192 (260)	398 (540)	1.9 in. (48 mm)
G1/8A	7 (9)	13 (18)	11 (15)	13 (18)	0.4 in. (9.73 mm)
G1/4A	26 (35)	26 (35)	22 (30)	26 (35)	0.5 in. (13.16 mm)
G3/8A	33 (45)	52 (70)	33 (45)	37 (50)	0.7 in. (16.66 mm)
G1/2A	48 (65)	66 (90)	41 (55)	48 (65)	0.8 in. (20.96 mm)
G3/4A	66 (90)	133 (180)	74 (100)	103 (140)	1.0 in. (26.44 mm)
G1A	111 (150)	229 (310)	118 (160)	140 (190)	1.3 in. (33.25 mm)
G1 1/4A	177 (240)	332 (450)	155 (210)	266 (360)	1.7 in. (41.91 mm)
G1 1/2A	214 (290)	398 (540)	192 (260)	398 (540)	1.9 in. (47.80 mm)

**Hydraulic fittings with various seals (heavy application). All torque values are in lb.-ft. (Nm) unless marked otherwise.**

Thread	Straight pipe fitting with thread and screwed plug (GE)			Non-return valve with elastic seal	Identification aid outside Ø
	Sealing washer	Elastic seal	O-ring		
M12X1.5	15 (20)	26 (35)	26 (35)	26 (35)	0.5 in. (12 mm)
M14X1.5	26 (35)	41 (55)	33 (45)	33 (45)	0.6 in. (14 mm)
M16X1.5	33 (45)	52 (70)	41 (55)	41 (55)	0.6 in. (16 mm)
M18X1.5	41 (55)	66 (90)	52 (70)	52 (70)	0.7 in. (18 mm)
M20X1.5	41 (55)	92 (125)	59 (80)	74 (100)	0.8 in. (20 mm)
M22X1.5	48 (65)	100 (135)	74 (100)	92 (125)	0.9 in. (22 mm)
M27X2.0	66 (90)	133 (180)	125 (170)	100 (135)	1.0 in. (27 mm)
M33X2.0	111 (150)	229 (310)	229 (310)	155 (210)	1.3 in. (33 mm)
M42X2.0	177 (240)	332 (450)	243 (330)	266 (360)	1.7 in. (42 mm)
M48X2.0	214 (290)	398 (540)	310 (420)	398 (540)	1.9 in. (48 mm)
G1/8A	26 (35)	41 (55)	33 (45)	33 (45)	0.5 in. (13.16 mm)
G1/4A	33 (45)	59 (80)	44 (60)	44 (60)	0.7 in. (16.66 mm)
G3/8A	48 (65)	85 (115)	55 (75)	74 (100)	0.8 in. (20.96 mm)
G1/2A	66 (90)	133 (180)	125 (170)	107 (145)	1.0 in. (26.44 mm)
G3/4A	111 (150)	229 (310)	229 (310)	192 (260)	1.3 in. (33.25 mm)
G1A	177 (240)	332 (450)	243 (330)	266 (360)	1.7 in. (41.91 mm)
G1 1/4A	214 (290)	398 (540)	310 (420)	398 (540)	1.9 in. (47.80 mm)

**English coarse and fine pitch threads. All torque values are in lb.-ft. (Nm) unless marked otherwise.**

**Values marked with an asterisk (\*) are in lb-in., values marked (\*\*) are in Kg-Cm**

Thread - Pitch	Grade 2		Grade 5		Grade 8	
	Dry	Lubed	Dry	Lubed	Dry	Lubed
8-32	19* (21**)	14* (16**)	30* (34**)	22* (25**)	41* (47**)	31* (35**)
8-36	20* (23**)	15* (17**)	31* (35**)	23* (26**)	43* (49**)	32* (36**)
10-24	27* (31**)	21* (24**)	43* (49**)	32* (36**)	60* (69**)	45* (51**)
10-32	31* (35**)	23* (26**)	49* (56**)	36* (41**)	68* (78**)	51* (58**)
1/4-20	66* (76**)	50* (57**)	9 (12)	75* (86**)	12 (16)	9 (12)
1/4-28	76* (87**)	56* (64**)	10 (14)	86* (99**)	14 (19)	10 (14)
5/16-18	11 (1.5)	9 (12)	17 (23)	13 (18)	25 (34)	18 (24)
5/16-24	12 (16)	9 (12)	19 (26)	14 (19)	25 (34)	20 (27)
3/8-16	20 (27)	15 (20)	30 (41)	23 (31)	45 (61)	35 (47)
3/8-24	23 (31)	17 (23)	35 (47)	25 (34)	50 (68)	35 (47)
7/16-14	32 (43)	24 (33)	50 (68)	35 (47)	70 (95)	55 (75)
7/16-20	36 (49)	27 (37)	55 (75)	40 (54)	80 (108)	60 (81)
1/2-13	35 (47)	35 (47)	75 (102)	55 (75)	110 (149)	80 (108)
1/2-20	40 (54)	40 (54)	90 (122)	65 (88)	120 (163)	90 (122)
9/16-12	55 (75)	55 (75)	110 (149)	80 (108)	150 (203)	110 (149)
9/16-18	60 (81)	60 (81)	120 (163)	90 (122)	170 (230)	130 (176)
5/8-11	75 (102)	75 (102)	150 (203)	110 (149)	220 (298)	170 (230)
5/8-18	85 (115)	85 (115)	180 (244)	130 (176)	240 (325)	180 (244)
3/4-10	130 (176)	130 (176)	260 (353)	200 (271)	380 (515)	280 (380)
3/4-16	150 (203)	150 (203)	300 (407)	220 (298)	420 (569)	320 (434)
7/8-9	125 (169)	125 (169)	430 (583)	320 (434)	600 (813)	460 (624)
7/8-14	140 (190)	140 (190)	470 (637)	360 (488)	660 (895)	500 (678)
1-8	190 (258)	190 (258)	640 (868)	480 (651)	900 (1220)	680 (922)
1-14	210 (285)	210 (285)	710 (963)	530 (719)	1000 (1356)	740 (1003)

With coarse-pitch thread. All torque values are in lb.-ft. (Nm) unless marked otherwise.					
Thread	Threads according to DIN 912, DIN 931, DIN 933, etc.			Threads according to DIN 7984	
	8.8	10.9	12.9	8.8	10.9
M5	4.1 (5.5)	6 (8)	7 (10)	4 (5)	5 (7)
M6	7 (10)	10 (14)	13 (17)	6.3 (8.5)	9 (12)
M8	18 (25)	26 (35)	31 (42)	15 (20)	22 (30)
M10	33 (45)	48 (65)	59 (80)	30 (40)	44 (59)
M12	64 (87)	81 (110)	108 (147)	51 (69)	74 (100)
M14	100 (135)	133 (180)	170 (230)	81 (110)	118 (160)
M16	155 (210)	203 (275)	258 (350)	125 (170)	184 (250)
M18	207 (280)	302 (410)	354 (480)	181 (245)	254 (345)
M20	302 (410)	420 (570)	509 (690)	251 (340)	361 (490)
M22	406 (550)	575 (780)	686 (930)	339 (460)	487 (660)
M24	524 (710)	738 (1000)	878 (1190)	435 (590)	620 (840)
M27	767 (1040)	1092 (1480)	1305 (1770)	642 (870)	922 (1250)
M30	1047 (1420)	1482 (2010)	1770 (2400)	885 (1200)	1254 (1700)

With fine-pitch thread. All torque values are in lb.-ft. (Nm) unless marked otherwise.					
Thread	Threads according to DIN 912, DIN 931, DIN 933, etc.			Threads according to DIN 7984	
	8.8	10.9	12.9	8.8	10.9
M8X1.0	18 (25)	27 (37)	32 (43)	16 (22)	24 (32)
M10X1.0	37 (50)	55 (75)	65 (88)	32 (43)	48 (65)
M10X1.25	36 (49)	52 (71)	61 (83)	31 (42)	46 (62)
M12X1.25	64 (87)	96 (130)	111 (150)	55 (75)	81 (110)
M12X1.5	61 (83)	92 (125)	107 (145)	53 (72)	77 (105)
M14X1.5	100 (135)	148 (200)	173 (235)	89 (120)	129 (175)
M16X1.5	155 (210)	229 (310)	266 (360)	133 (180)	195 (265)
M18X1.5	232 (315)	332 (450)	391 (530)	199 (270)	284 (385)
M20X1.5	325 (440)	465 (630)	538 (730)	277 (375)	391 (530)
M22X1.5	435 (590)	620 (840)	723 (980)	369 (500)	524 (710)
M24X2.0	546 (740)	789 (1070)	922 (1250)	465 (630)	664 (900)
M27X2.0	811 (1100)	1143 (1550)	1328 (1800)	679 (920)	959 (1300)
M30X2.0	1106 (1500)	1586 (2150)	1844 (2500)	959 (1300)	1364 (1850)



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