



**Portable Power**

## **G730XW/XF-60Hz**

### **PARTS MANUAL**

**SERIAL No : G730XWNCE60001->, G730XFNCE60001->**





**Portable Power**

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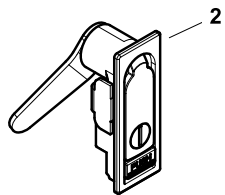
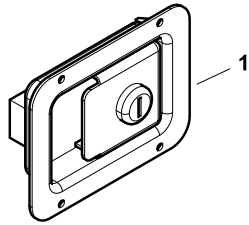
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**G730XW/XF-60Hz\_46695037\_A\_08/17**

# ENCLOSURE

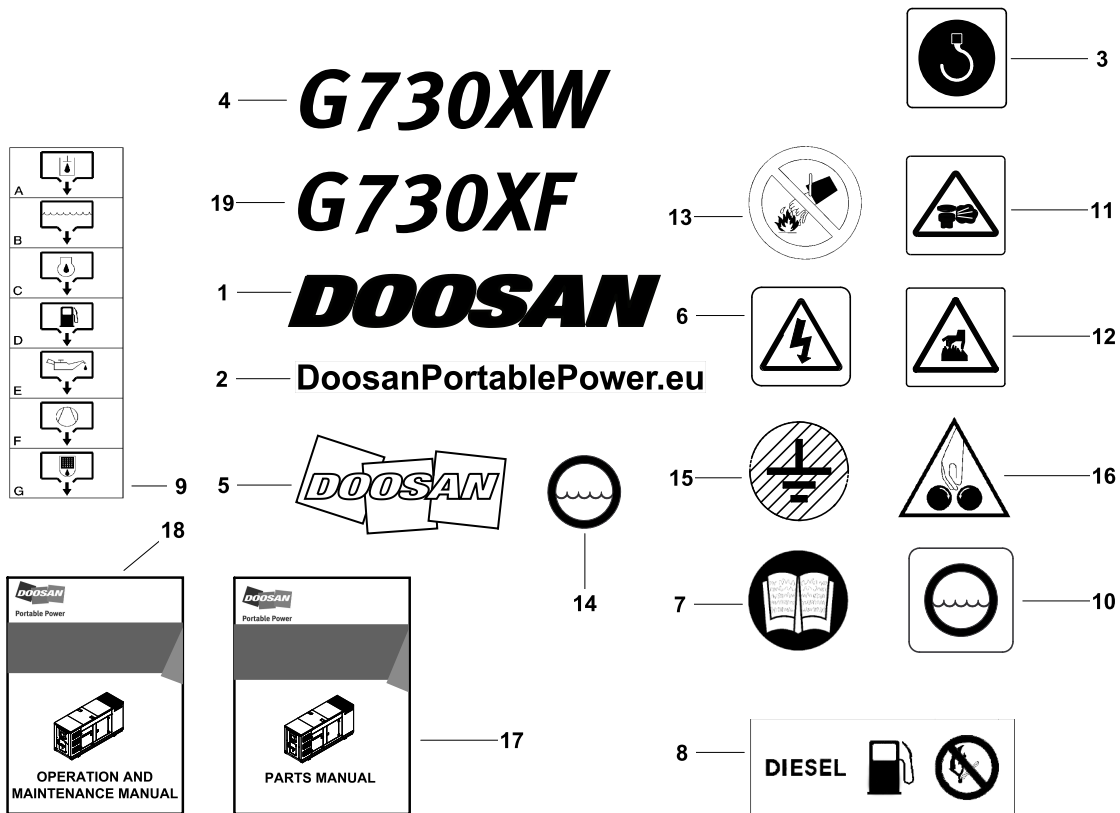


**ENCLOSURE**

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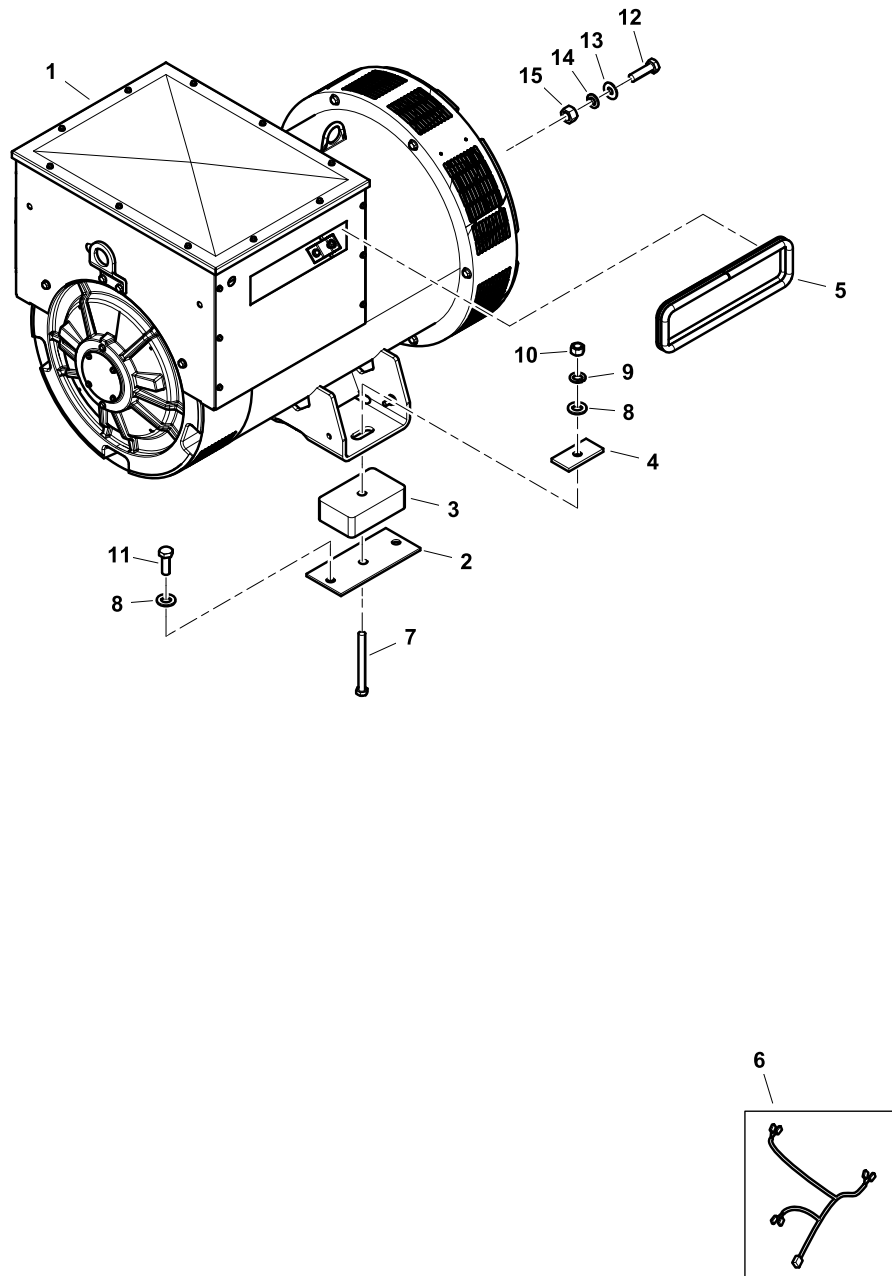
# DECALS AND DOCUMENTATION (G730)



| DECALS AND DOCUMENTATION<br>(G730) |          |
|------------------------------------|----------|
| 1                                  | 1.0000   |
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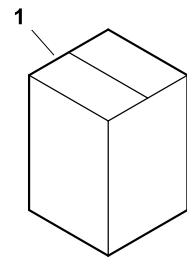
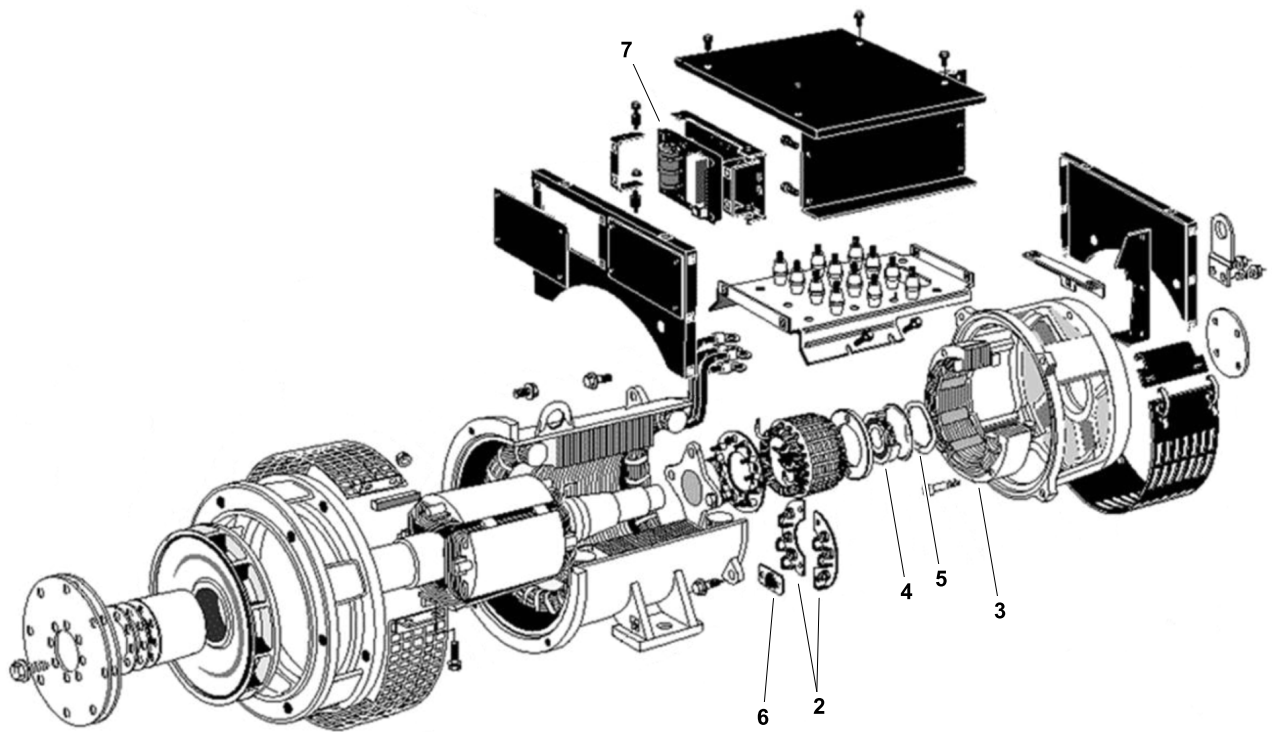
## ALTERNATOR MOUNTING



## ALTERNATOR MOUNTING

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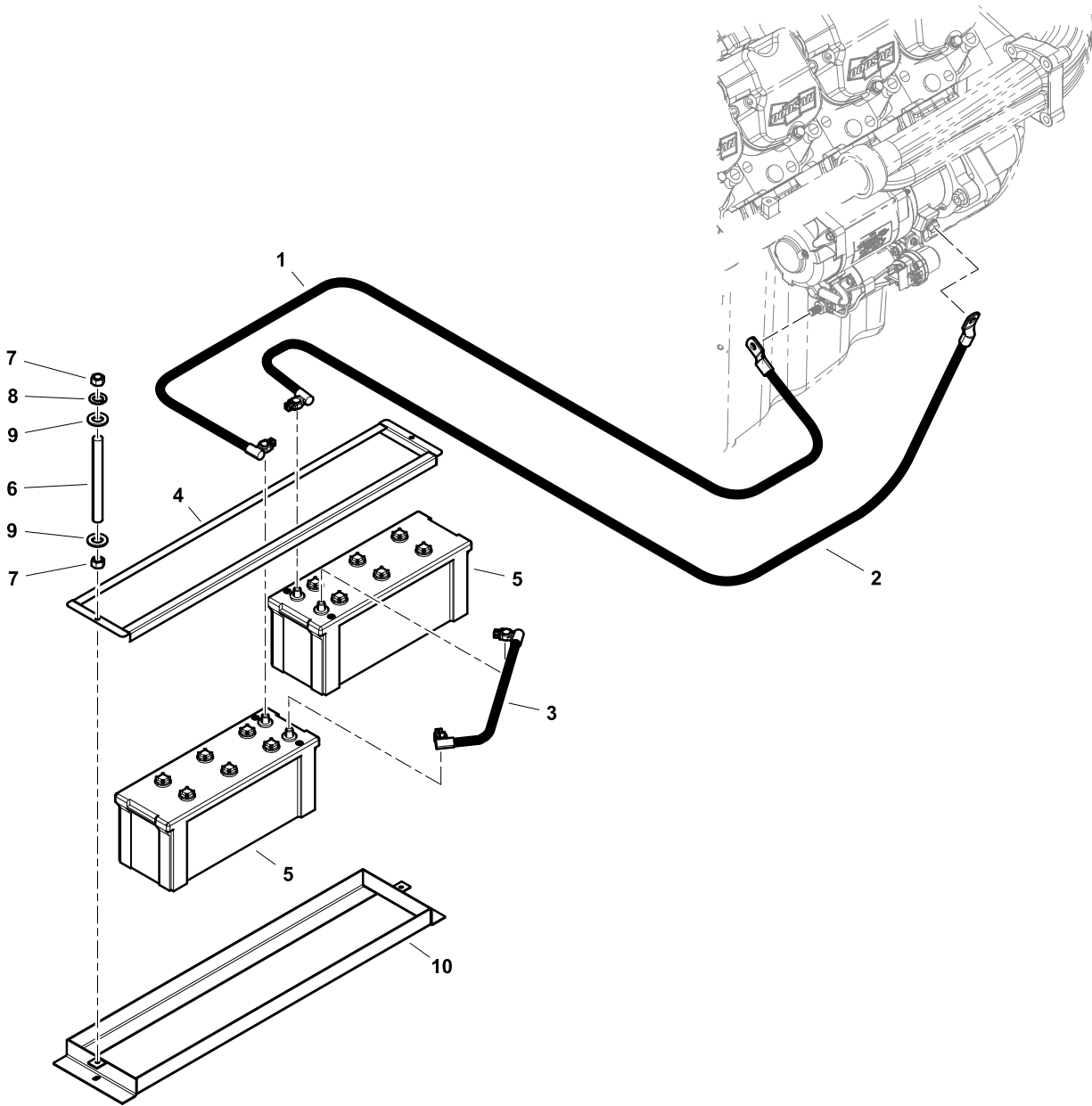
## ALTERNATOR PARTS



| ALTERNATOR PARTS |  |
|------------------|--|
|------------------|--|

[illegible]

BATTERY

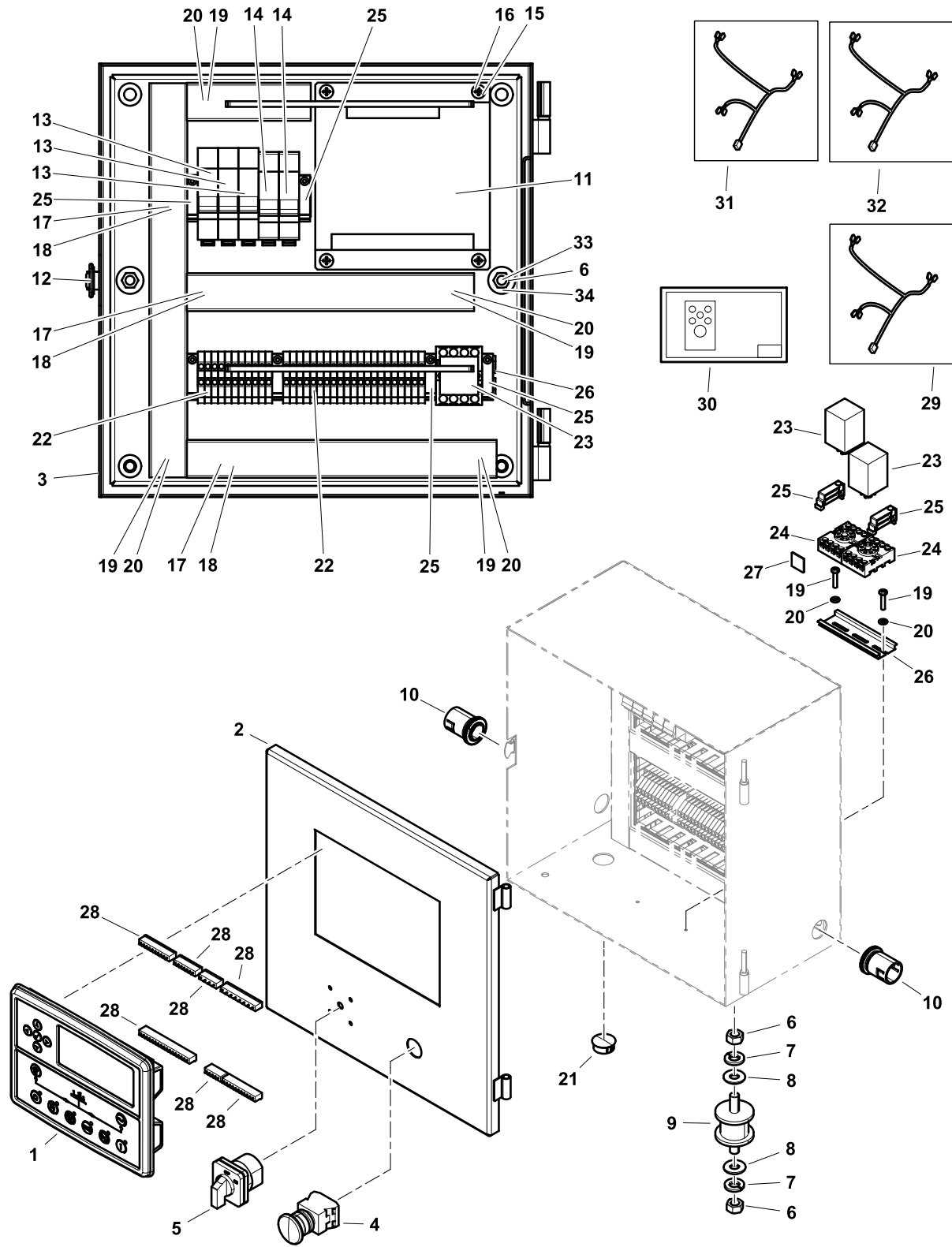


|         |  |
|---------|--|
| BATTERY |  |
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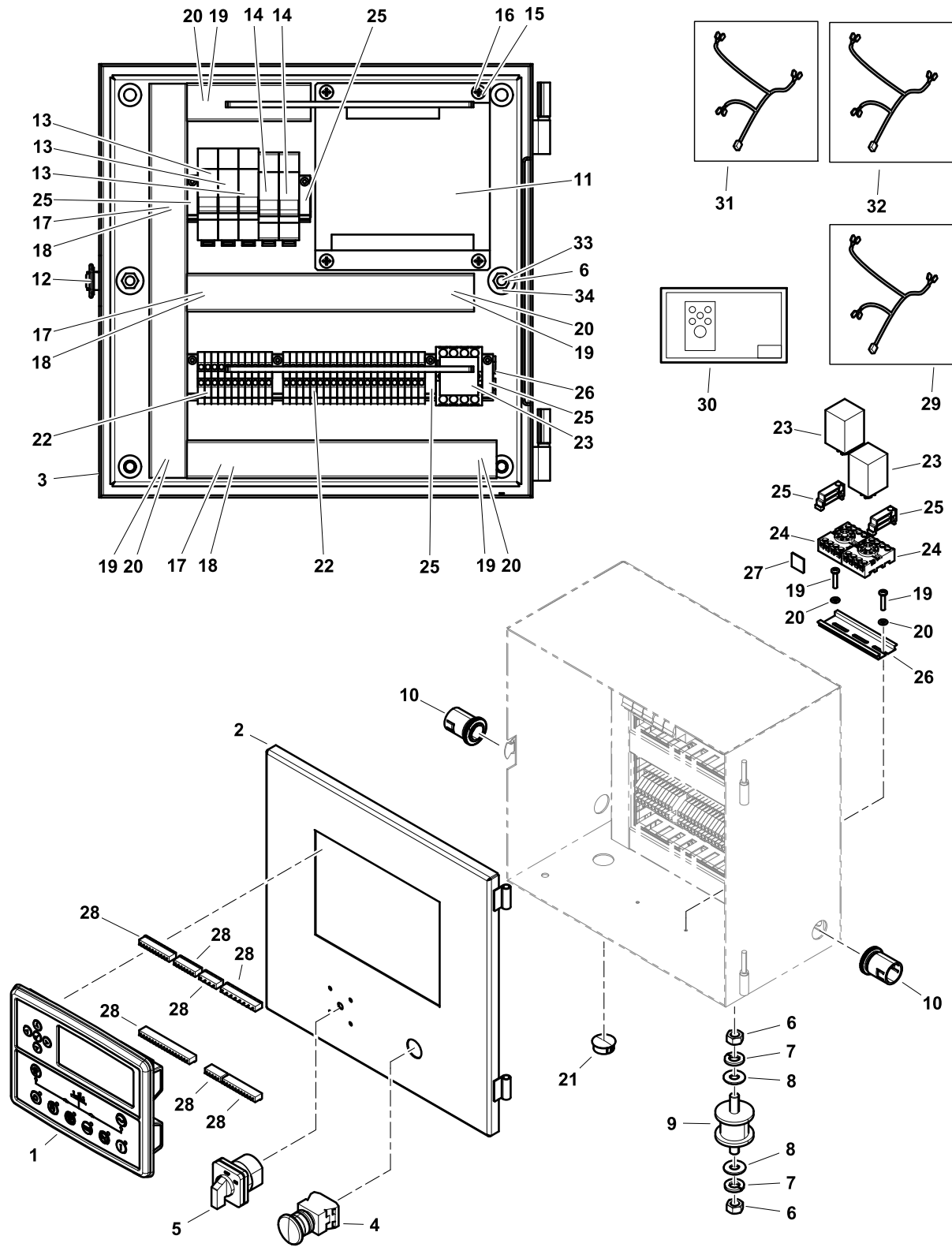
# CONTROL PANEL



## CONTROL PANEL

| Item | Part Number | Description            | Remarks   | Serial Number | Qty |
|------|-------------|------------------------|-----------|---------------|-----|
| 1    | 46679561    | CONTROLLER             | w/Ref. 28 |               | 1   |
| 2    | 46694346    | PANEL, CONTROL         |           |               | 1   |
| 3    | 46694345    | BOX, PANEL             |           |               | 1   |
| 4    | 46679563    | SWITCH                 |           |               | 2   |
| 5    | 46679565    | SWITCH                 |           |               | 1   |
| 6    | 96701370    | NUT                    |           |               | 10  |
| 7    | 96753926    | WASHER                 |           |               | 8   |
| 8    | 92687664    | WASHER                 |           |               | 8   |
| 9    | 46678205    | SILENTBLOCK            |           |               | 4   |
| 10   | 46678679    | GUIDE, HOSE            |           |               | 2   |
| 11   | 46686565    | CONTROLLER, GOVERNOR   |           |               | 1   |
| 12   | 46694344    | LATCH, CONTROL PANEL   |           |               | 1   |
| 13   | 46679573    | BREAKER, 6A            | 1 POLE    |               | 3   |
| 14   | 46679570    | BREAKER, 20A           | 1 POLE    |               | 2   |
| 15   | 46668475    | SCREW                  |           |               | 4   |
| 16   | 96704663    | WASHER                 |           |               | 4   |
| 17   | 46679566    | COVER, DIN RAIL        |           |               | 4   |
| 18   | 46679569    | GUIDE, WIRE            |           |               | 4   |
| 19   | 96743653    | SCREW                  |           |               | 23  |
| 20   | 46555707    | WASHER                 |           |               | 23  |
| 21   | 46679596    | CAP, HOLE              |           |               | 2   |
| 22   | 46679575    | WIRE CONNECTOR         |           |               | 32  |
| 23   | 46679571    | RELAY                  |           |               | 3   |
| 24   | 46679574    | SOCKET, RELAY          |           |               | 3   |
| 25   | 46679568    | STOPPER, DIN RAIL      |           |               | 8   |
| 26   | 46679567    | DIN RAIL               |           |               | 3   |
| 27   | 46679592    | MOUNT, CABLE           |           |               | 2   |
| 28   | NAP         | TERMINAL BLOCK         |           |               | 7   |
| 29   | 46695468    | HARNESS, CONTROL PANEL |           |               | 1   |
| 30   | 46695466    | ELECTRICAL SCHEMATICS  |           |               | 1   |
| 31   | 46695469    | HARNESS, ALTERNATOR    |           |               | 1   |

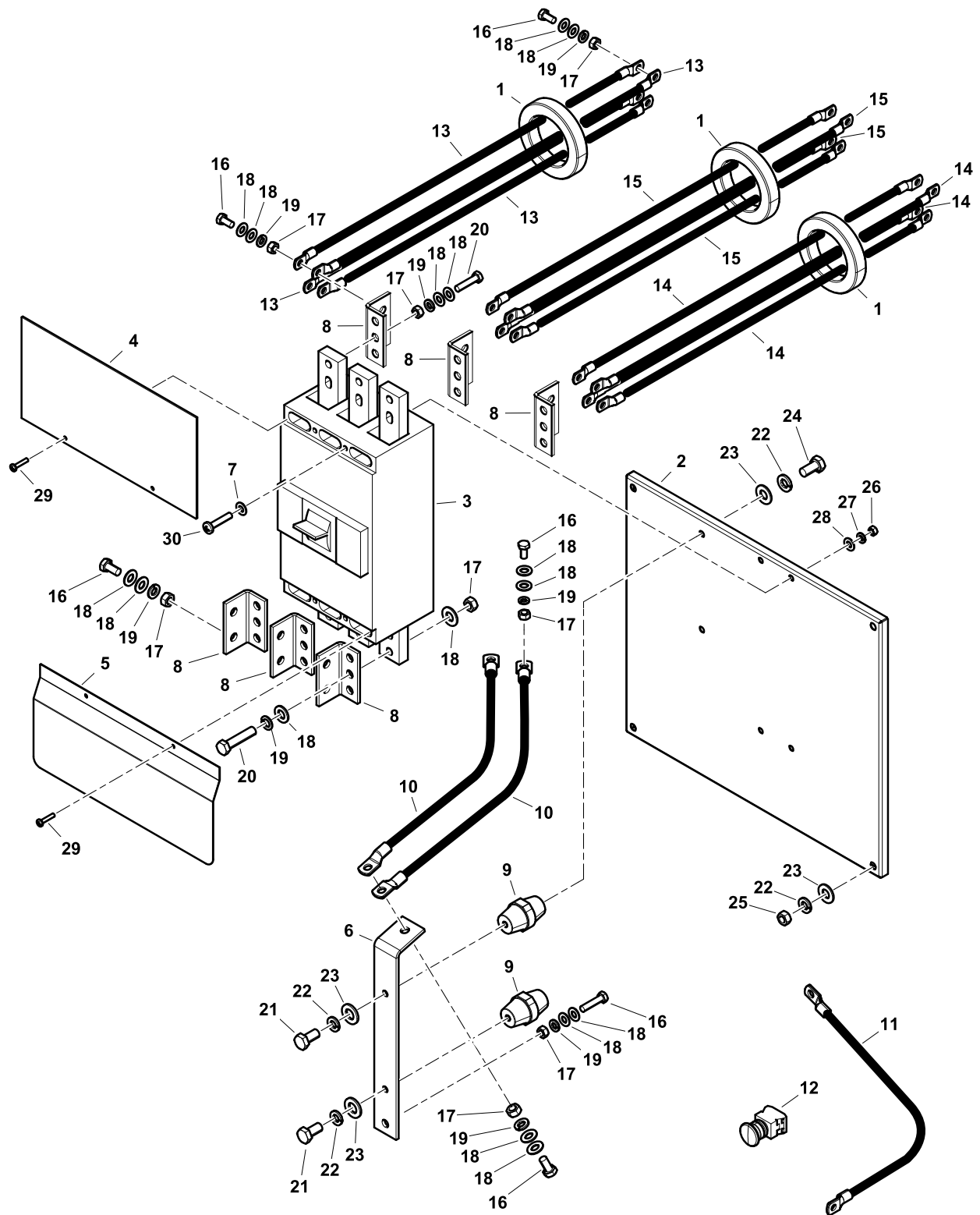
# CONTROL PANEL



# CONTROL PANEL

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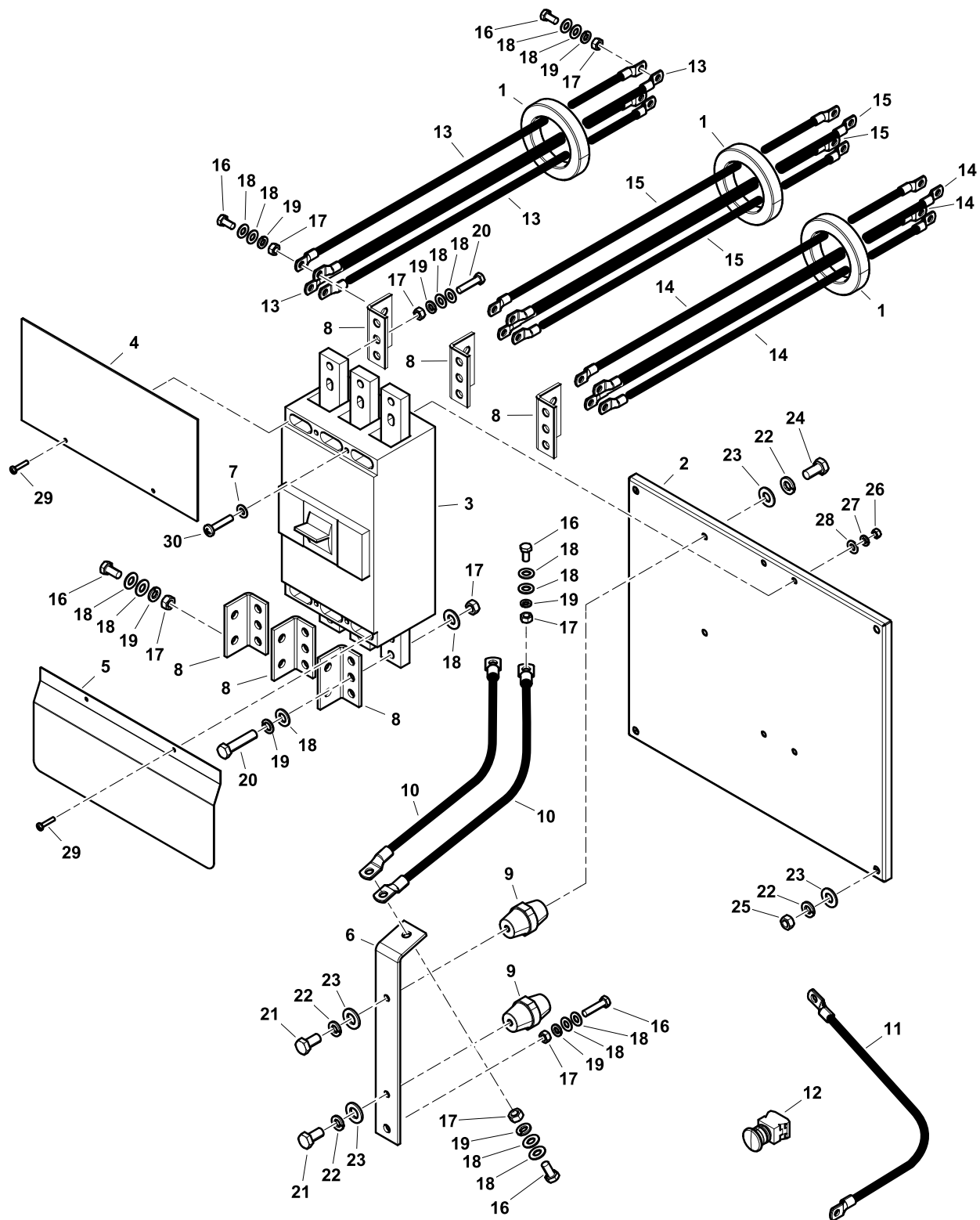
# POWER PEDESTAL ASSEMBLY



## POWER PEDESTAL ASSEMBLY

| Item | Part Number | Description            | Remarks        | Serial Number | Qty |
|------|-------------|------------------------|----------------|---------------|-----|
| 1    | 46695465    | CURRENT TRANSFORMER    |                |               | 3   |
| 2    | 46695462    | PANEL, CIRCUIT BREAKER |                |               | 1   |
| 3    | 46695461    | CIRCUIT, BREAKER       |                |               | 1   |
| 4    | 46694353    | COVER                  |                |               | 1   |
| 5    | 46695464    | COVER                  |                |               | 1   |
| 6    | 46695463    | HOLDER, ISOLATOR       |                |               | 1   |
| 7    | NAP         | WASHER                 | w/Ref. 3       |               | 4   |
| 8    | 46694347    | BUS BAR                |                |               | 6   |
| 9    | 46694349    | ISOLATOR, BUS BAR      |                |               | 2   |
| 10   | 46693274    | CABLE, BLACK NEUTRAL   | XW, N - 1055mm |               | 4   |
| 10   | 46693886    | CABLE, BLACK NEUTRAL   | XF, N - 680mm  |               | 4   |
| 11   | 46679954    | CABLE, GROUND          |                |               | 1   |
| 12   | 46679563    | SWITCH, STOP EMERGENCY |                |               | 1   |
| 13   | 46694302    | CABLE, RED PHASE       | XW, L1 - 755mm |               | 4   |
| 13   | 46693880    | CABLE, RED PHASE       | XF, L1 - 355mm |               | 4   |
| 14   | 46694304    | CABLE, BLUE PHASE      | XW, L3 - 755mm |               | 4   |
| 14   | 46693885    | CABLE, BLUE PHASE      | XF, L3 - 370mm |               | 4   |
| 15   | 46694303    | CABLE, YELLOW PHASE    | XW, L2 - 755mm |               | 4   |
| 15   | 46693882    | CABLE, YELLOW PHASE    | XF, L2 - 355mm |               | 4   |
| 16   | 35299569    | SCREW                  |                |               | 22  |
| 17   | 96701743    | NUT                    |                |               | 34  |
| 18   | 92061506    | WASHER                 |                |               | 68  |
| 19   | 92304682    | WASHER                 |                |               | 34  |
| 20   | 96730395    | SCREW                  |                |               | 12  |
| 21   | 92304393    | SCREW                  |                |               | 2   |
| 22   | 92304674    | WASHER                 |                |               | 8   |
| 23   | 92061498    | WASHER                 |                |               | 8   |
| 24   | 35287648    | SCREW                  |                |               | 2   |
| 25   | 96735550    | NUT                    |                |               | 4   |
| 26   | 96735543    | NUT                    |                |               | 4   |
| 27   | 96741467    | WASHER                 |                |               | 4   |

# POWER PEDESTAL ASSEMBLY

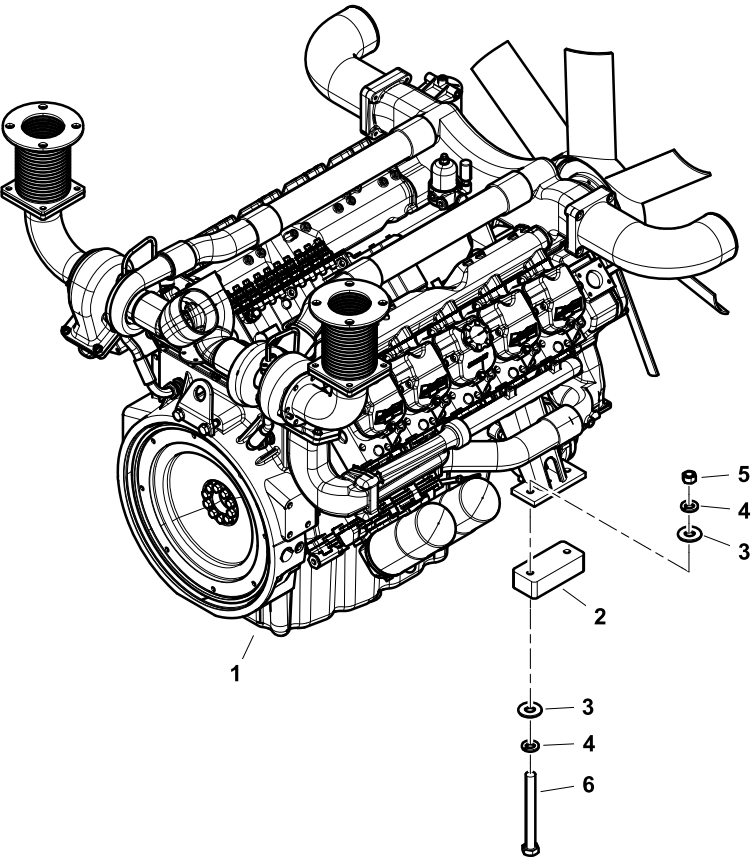


## POWER PEDESTAL ASSEMBLY

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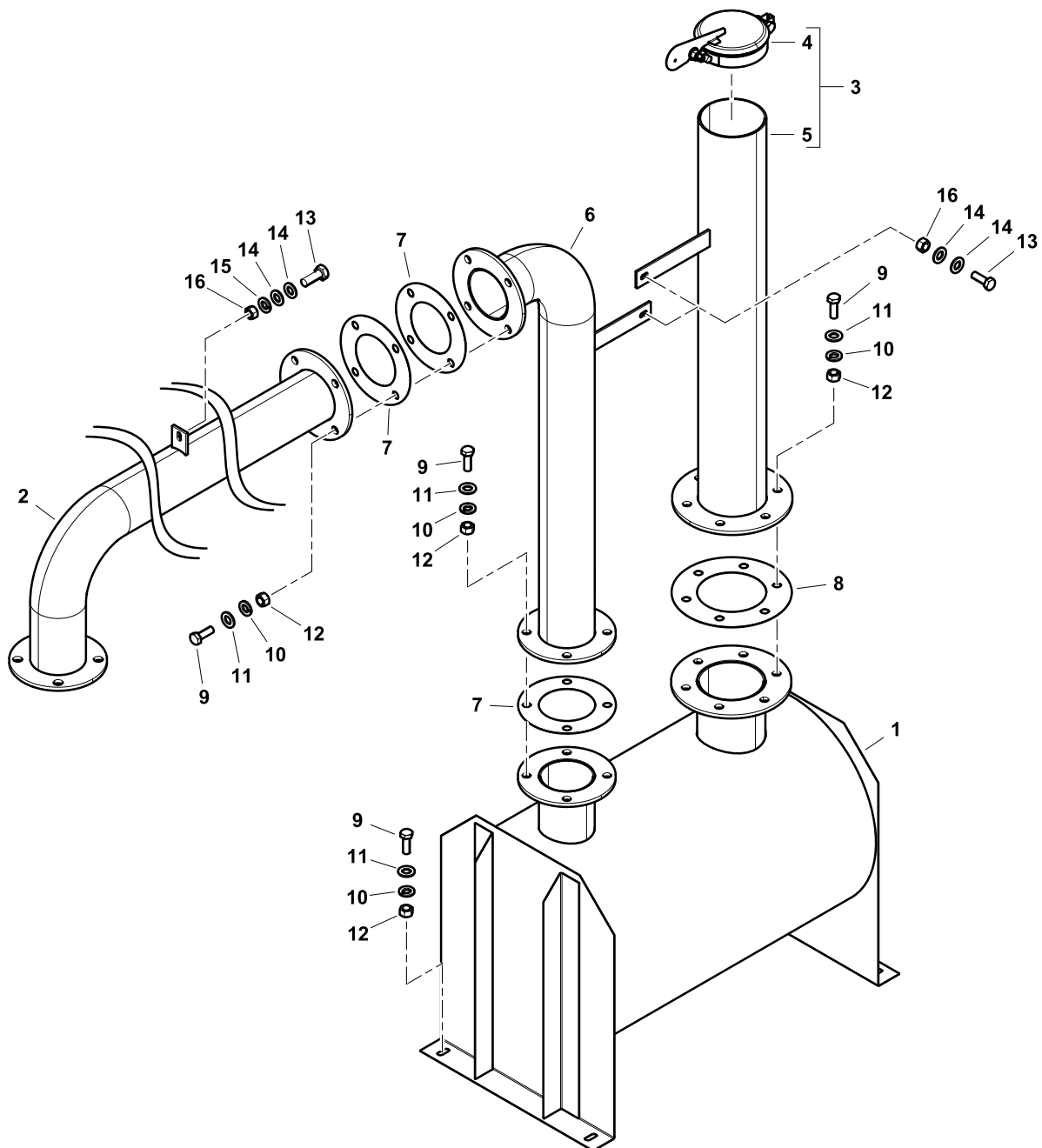
ENGINE ASSEMBLY



## ENGINE ASSEMBLY

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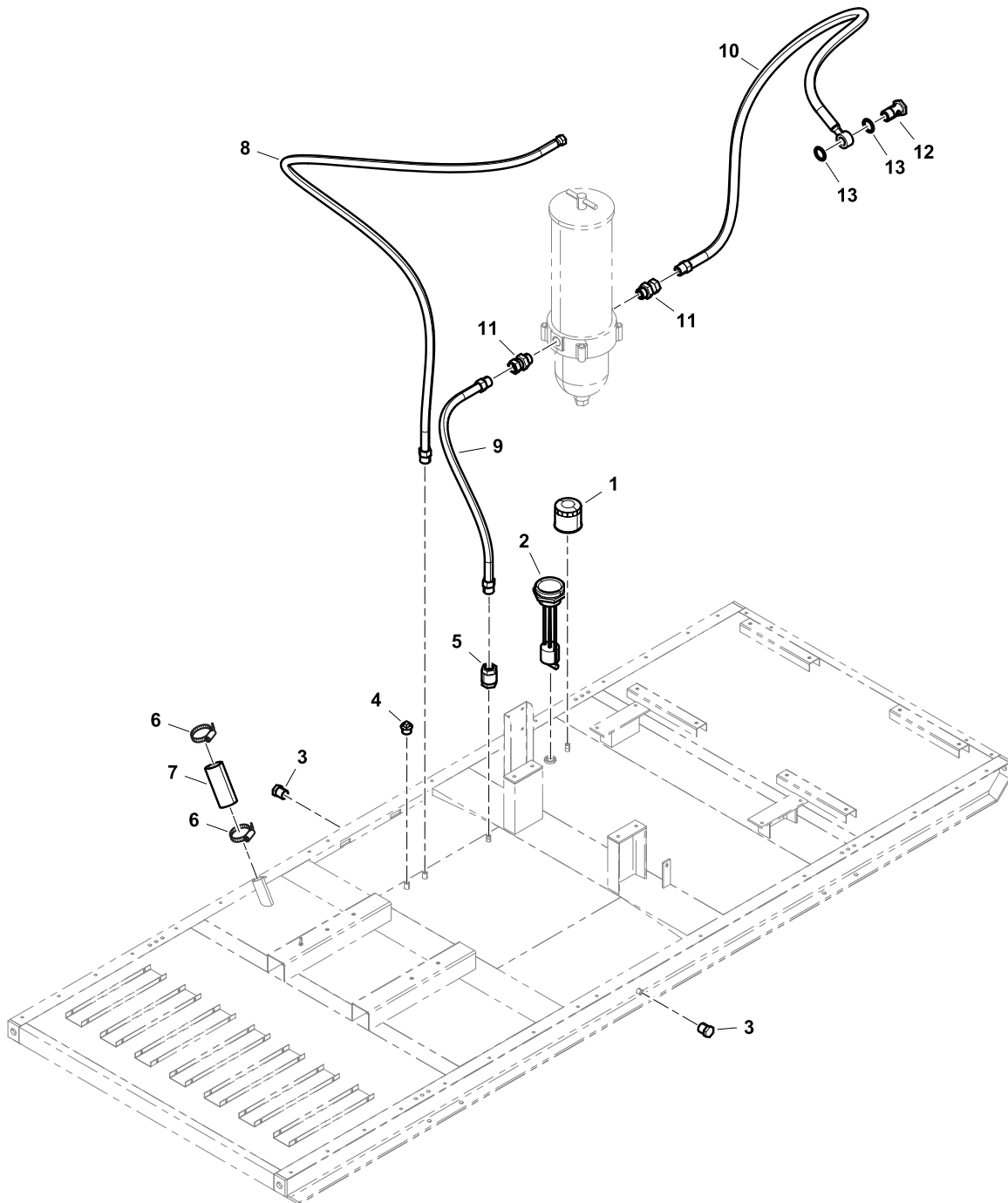
## EXHAUST SYSTEM



|                |  |
|----------------|--|
| EXHAUST SYSTEM |  |
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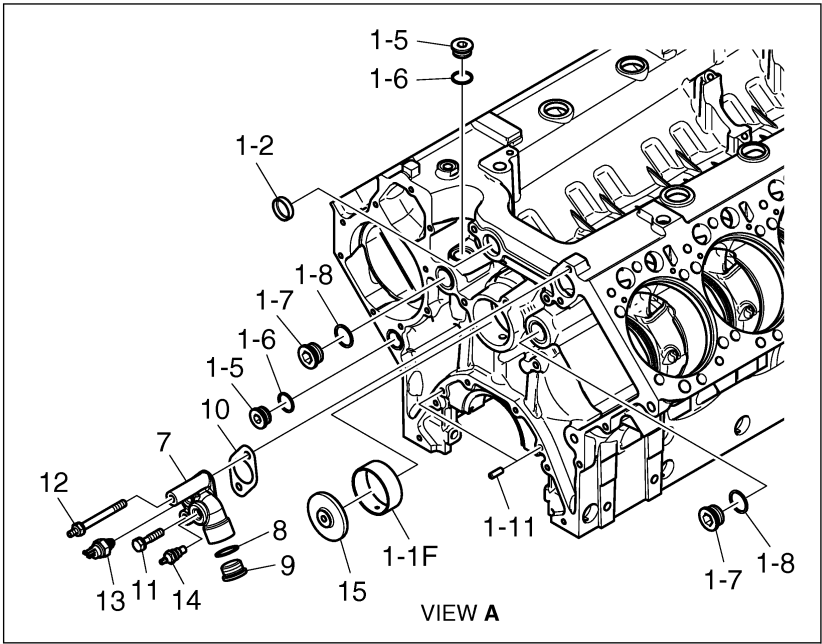
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## FUEL SYSTEM



|             |  |
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| FUEL SYSTEM |  |
|-------------|--|

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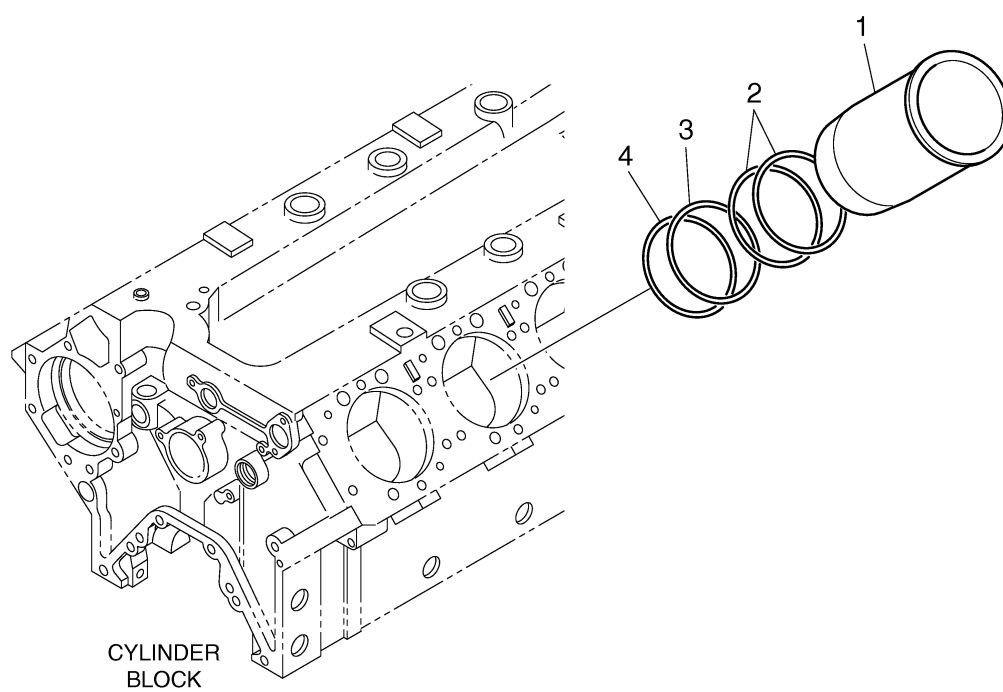
## CYLINDER BLOCK

| Key No. | Part No. | ICA | Description                   | Q'ty | S.C | Adpated Date        |
|---------|----------|-----|-------------------------------|------|-----|---------------------|
| 1       | NAP      | I   | BLOCK ASSY,CYLINDER           | 1    | NS  | ~ 20140618          |
| 1       | NAP      |     | BLOCK ASSY,CYLINDER           | 1    | NS  | 20140619 ~ 20150429 |
| 1       | NAP      |     | BLOCK ASSY,CYLINDER           | 1    | NS  | 20150430 ~          |
| 1-1     | NAP      |     | BLOCK ASSY,CYLINDER           | 1    | NS  | ~ 20140618          |
| 1-1     | NAP      |     | BLOCK ASSY,CYLINDER           | 1    | NS  | 20140619 ~ 20150429 |
| 1-1     | NAP      |     | BLOCK ASSY,CYLINDER           | 1    | NS  | 20150430 ~          |
| 1-1A    | NAP      |     | BLOCK,CYLINDER                | 1    | NS  | ~ 20140618          |
| 1-1A    | NAP      |     | BLOCK,CYLINDER                | 1    | NS  | 20140619 ~ 20150429 |
| 1-1A    | NAP      |     | BLOCK,CYLINDER                | 1    | NS  | 20150430 ~          |
| 1-1B    | 46684663 |     | BEARING CAP ASS'Y             | 6    | NS  |                     |
| 1-1BA   | NAP      |     | CAP;BEARING                   | 1    | NS  |                     |
| 1-1BB   | 46684271 |     | PIN;DOWEL                     | 2    |     |                     |
| 1-1C    | NAP      |     | CAP ASSY,BEARING;THRUST       | 1    | NS  | ~ 20140618          |
| 1-1C    | NAP      |     | CAP ASSY;BEARING THRUST       | 1    | NS  | 20140619 ~          |
| 1-1CA   | NAP      |     | CAP;BEARING                   | 1    | NS  | ~ 20140618          |
| 1-1CA   | NAP      |     | CAP ASSY,BEARING;CYL,BODY     | 1    | NS  | 20140619 ~          |
| 1-1CB   | 46685878 |     | PIN                           | 2    |     |                     |
| 1-1D    | 46686908 |     | BOLT;BEARING CAP              | 14   |     |                     |
| 1-1E    | 46685737 |     | BUSH;CAMSHAFT                 | 1    |     |                     |
| 1-1F    | 46685736 |     | BUSH;CAMSHAFT                 | 6    |     |                     |
| 1-1G    | 46683276 |     | BOLT;HEX. M12X1.5X85          | 14   |     |                     |
| 1-2     | 46684085 |     | PLUG;CORE                     | 16   |     |                     |
| 1-3     | 46687100 |     | PLUG;CORE                     | 4    |     |                     |
| 1-4     | 46686936 |     | PLUG;CORE                     | 2    |     |                     |
| 1-5     | 46687045 |     | SCREW;PLUG M26X1.5            | 10   |     |                     |
| 1-6     | 46684368 |     | SEAL;RING                     | 10   |     |                     |
| 1-7     | 46687040 |     | SCREW;PLUG                    | 4    |     | ~ 20140618          |
| 1-7     | NAP      |     | SCREW,PLUG                    | 4    |     | 20140619 ~          |
| 1-8     | 46684371 |     | SEAL;RING                     | 4    |     |                     |
| 1-9     | 46687038 |     | SCREW;PLUG                    | 1    |     |                     |
| 1-10    | 46682751 |     | RING;SEAL A18X24              | 1    |     |                     |
| 1-11    | 46684269 |     | PIN                           | 2    |     |                     |
| 1-12    | 46684273 |     | PIN;DOWEL                     | 2    |     |                     |
| 2       | 46687205 |     | PIN;LOCATING                  | 24   |     |                     |
| 3       | NAP      |     | SCREW;PLUG M14X1.5            | 1    |     |                     |
| 4       | NAP      |     | RING;SEAL                     | 1    |     |                     |
| 5       | 46682935 |     | PLUG;SCREW                    | 1    |     |                     |
| 6       | NAP      |     | RING;SEAL                     | 1    |     |                     |
| 7       | 46687526 |     | FLANGE                        | 1    |     |                     |
| 8       | 46684371 |     | SEAL;RING                     | 1    |     |                     |
| 9       | 46687040 |     | SCREW;PLUG                    | 1    |     |                     |
| 10      | 46687382 |     | GASKET(C/W PIPE FLANGE)       | 1    |     |                     |
| 11      | 46683310 |     | BOLT ASS'Y M10X45             | 1    |     |                     |
| 12      | 46684555 |     | BOLT,STAY;CYL,BODY TO BRG,CAP | 1    |     |                     |
| 13      | 46682059 |     | SWITCH;THERMO                 | 1    |     |                     |
| 14      | NAP      |     | SENSOR,TEMPERATURE;WATER      | 1    |     |                     |
| 15      | 46685162 |     | COVER                         | 1    |     |                     |



## CYLINDER LINER

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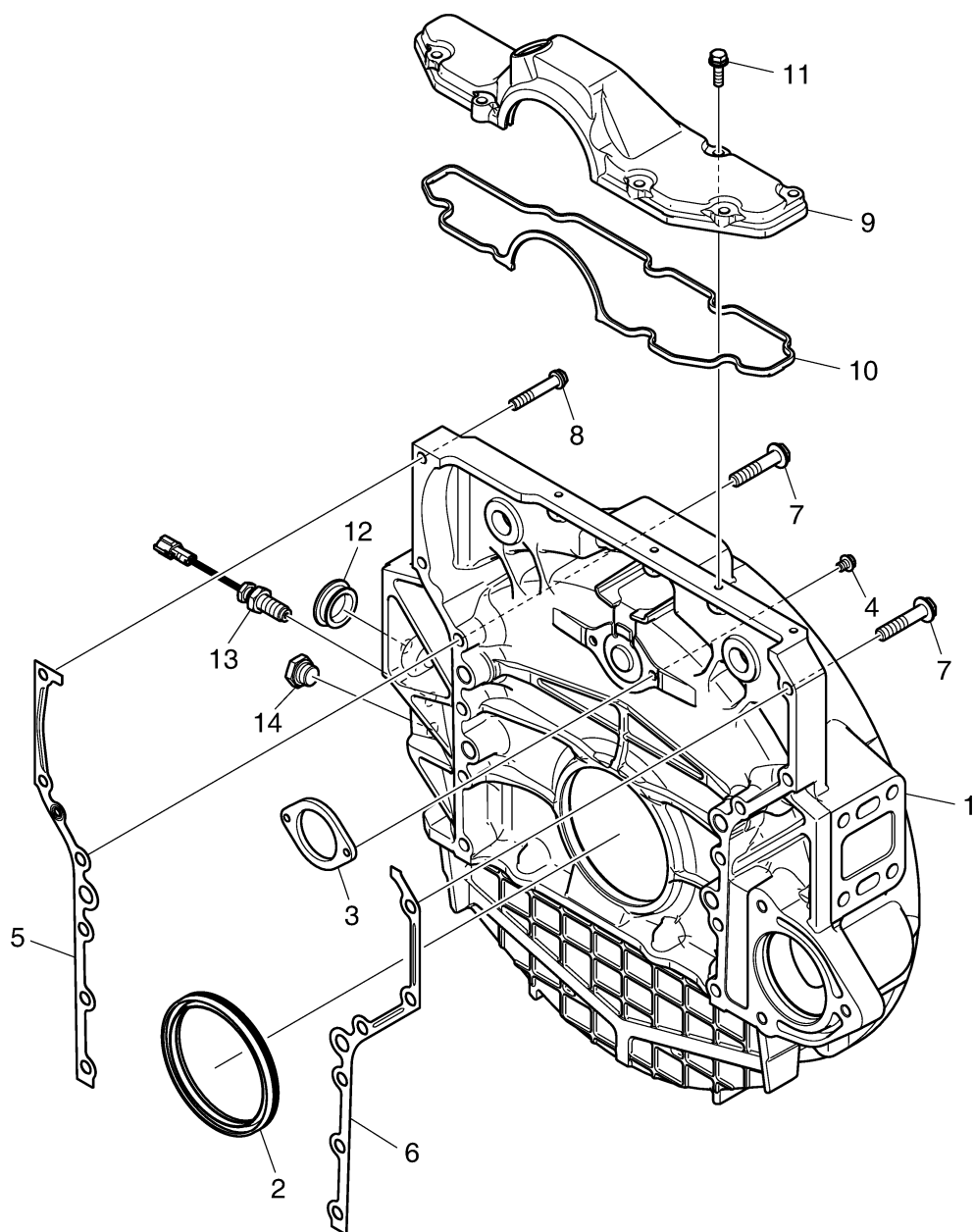


## CYLINDER LINER

| Key No. | Part No. | ICA |  | Description      | Q'ty | S.C | Adpated Date |
|---------|----------|-----|--|------------------|------|-----|--------------|
| 1       | 46685250 |     |  | LINER,CYLINDER   | 12   |     |              |
| 2       | 46684943 |     |  | O-RING;CYL LINER | 24   |     |              |
| 3       | 46684944 |     |  | O-RING;CYL LINER | 12   |     |              |
| 4       | 46684944 |     |  | O-RING;CYL LINER | 12   |     |              |

## FLYWHEEL HOUSING

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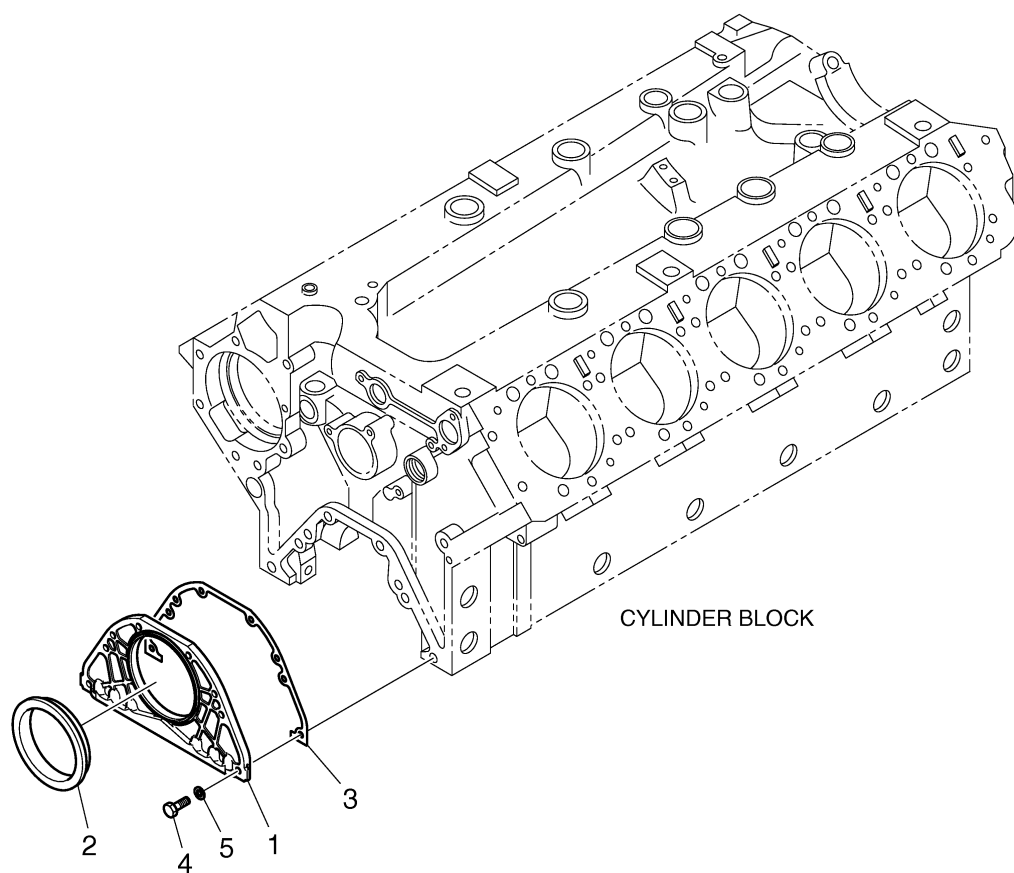


# FLYWHEEL HOUSING

| Key No. | Part No. | ICA | Description                     | Q'ty | S.C | Adpated Date |
|---------|----------|-----|---------------------------------|------|-----|--------------|
| 1       | NAP      | Y   | HOUSING,FLYWHEEL                | 1    |     | ~ 20141201   |
| 1       | NAP      |     | HOUSING,FLYWHEEL                | 1    |     | 20141202 ~   |
| 2       | 46685270 |     | OIL SEAL;RR                     | 1    |     |              |
| 3       | NAP      |     | WASHER,THRUST                   | 1    |     |              |
| 4       | 46683193 |     | BOLT,HEX;FWH,CAM THRUST         | 2    |     |              |
| 5       | 46685301 | I   | GASKET;FLYWHEEL HOUSING         | 1    |     | ~ 20140415   |
| 5       | NAP      |     | GASKET,FLYWHEEL HOUSING;FLYWHE  | 1    |     | 20140416 ~   |
| 6       | 46685302 | I   | GASKET;FLYWHEEL HOUSING         | 1    |     | ~ 20140415   |
| 6       | NAP      |     | GASKET                          | 1    |     | 20140416 ~   |
| 7       | 46686904 |     | BOLT;F.W.H                      | 10   |     |              |
| 8       | 46686898 |     | BOLT,COLLARD HEX                | 2    |     |              |
| 9       | 46685263 |     | COVER,FLY WHEEL HOUSING         | 1    |     |              |
| 10      | 46685297 |     | GASKET,FLYWHEEL HOUSING COVER;F | 1    |     |              |
| 11      | 46682048 |     | BOLT ASS'Y M8X30                | 4    |     |              |
| 12      | 46682960 |     | CAP;RUBBER                      | 1    |     |              |
| 13      | 46682907 |     | SENSOR,TACHOMETER               | 1    |     | ~ 20141201   |
| 13      | NAP      |     | SENSOR,TACHOMETER               | 1    |     | 20141202 ~   |
| 14      | 46682889 |     | PLUG SCREW M16 X 1.5            | 1    |     |              |

## OIL SEAL

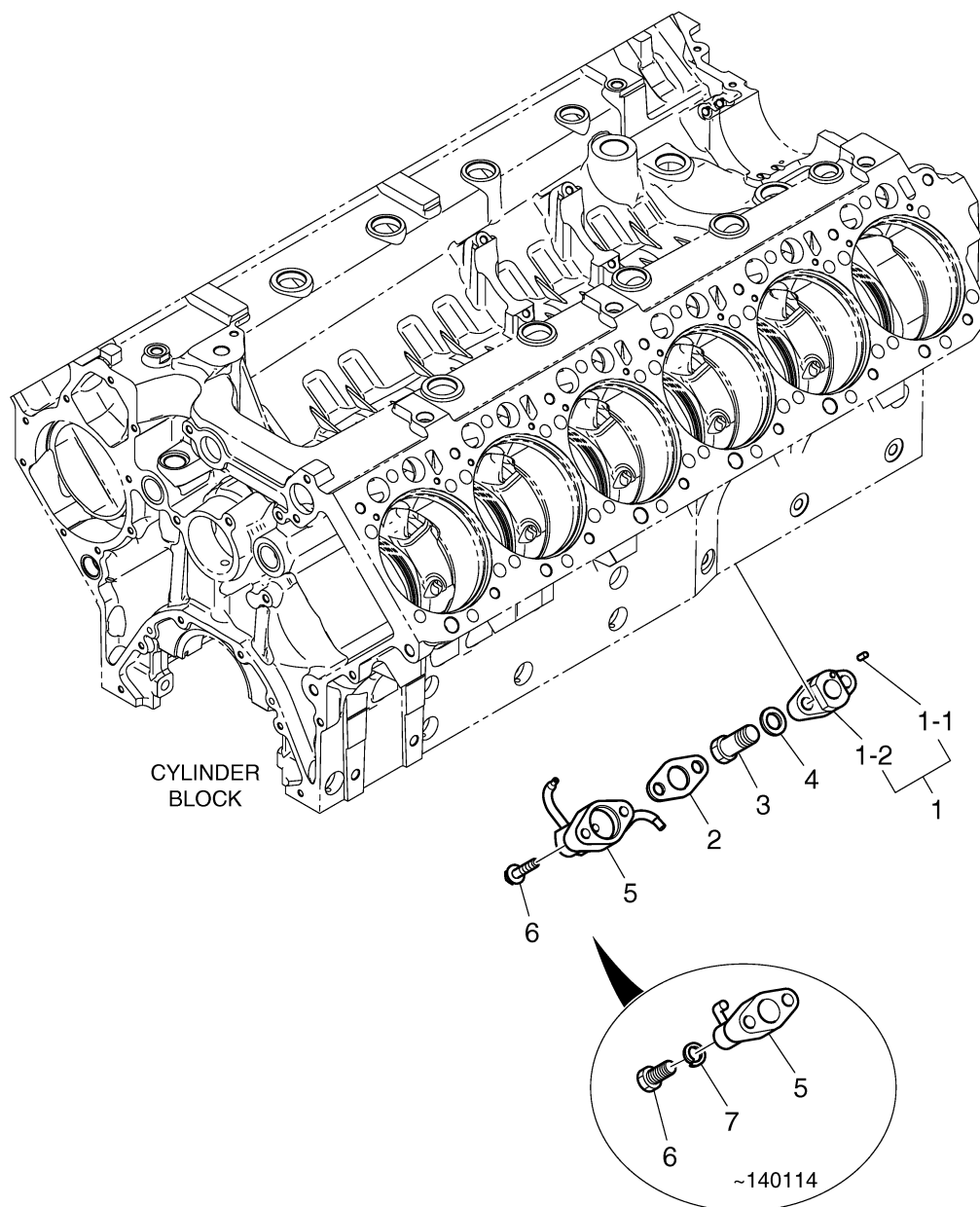
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## OIL SEAL

| Key No. | Part No. | ICA |  | Description   | Q'ty | S.C | Adpated Date |
|---------|----------|-----|--|---------------|------|-----|--------------|
| 1       | 46685265 |     |  | COVER;SEALING | 1    |     |              |
| 2       | 46685273 |     |  | SEAL;OIL      | 1    |     |              |
| 3       | 46685368 |     |  | GASKET        | 1    |     |              |
| 4       | 46683209 |     |  | BOLT M8X25    | 6    |     |              |
| 5       | 46684247 |     |  | WASHER;SPRING | 6    |     |              |

## OIL SPRAY NOZZLE



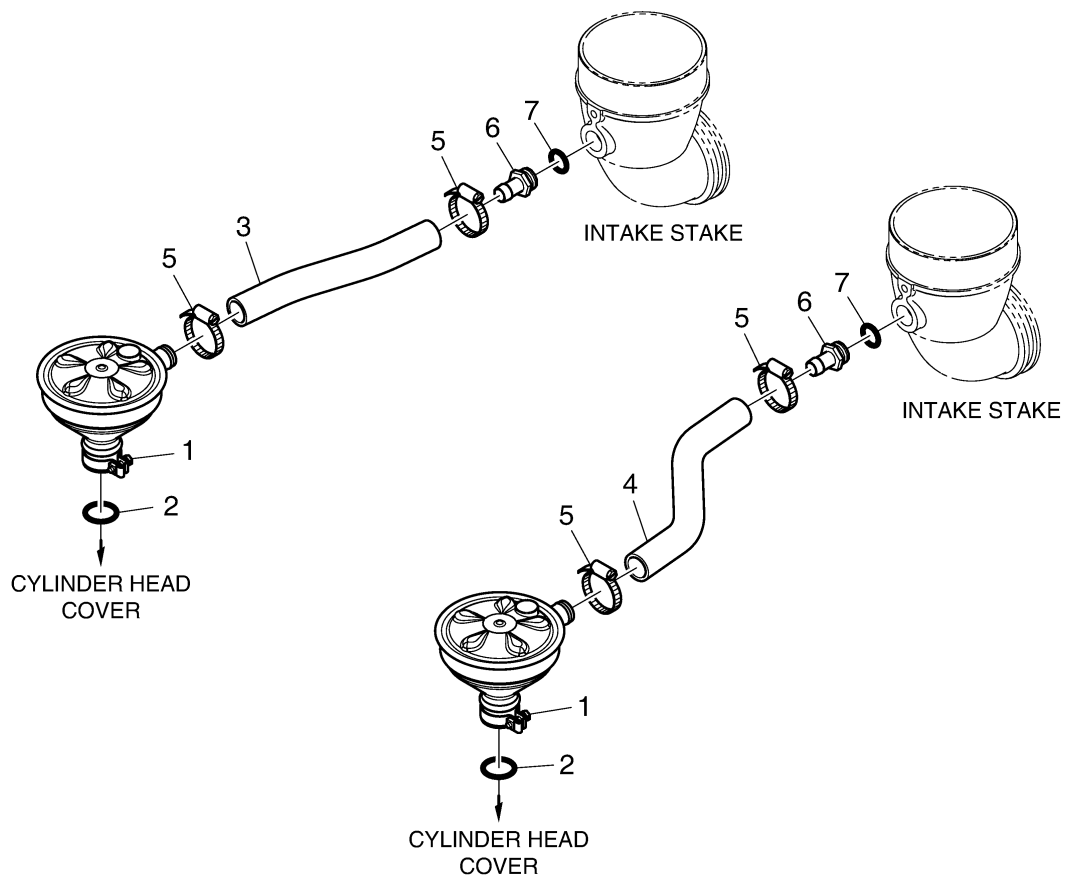
# OIL SPRAY NOZZLE

| Key No. | Part No. | ICA |  | Description                       | Q'ty | S.C | Adpated Date |
|---------|----------|-----|--|-----------------------------------|------|-----|--------------|
| 1       | 46685277 |     |  | FLANGE ASS'Y                      | 12   |     |              |
| 1-1     | 46684275 |     |  | PIN;SPIRAL                        | 1    |     |              |
| 1-2     | 46685274 |     |  | FLANGE;OIL SPRAY NOZZLE           | 1    |     |              |
| 2       | 46686248 |     |  | GASKET                            | 12   |     | ~ 20140624   |
| 2       | NAP      |     |  | GASKET;CYL,BODY TO BRG,CAP        | 12   |     | 20140625 ~   |
| 3       | 46687563 |     |  | SCREW;HOLLOW                      | 12   |     |              |
| 4       | NAP      |     |  | SEAL RING                         | 12   |     |              |
| 5       | 46685279 | I   |  | NOZZLE ASSY,OIL SPRAY             | 12   |     | ~ 20140114   |
| 5       | NAP      |     |  | NOZZLE ASSY,OIL SPRAY;CYL,BODY TO | 12   |     | 20140115 ~   |
| 6       | 46686874 |     |  | BOLT;HEX                          | 24   |     | ~ 20140114   |
| 6       | NAP      |     |  | BOLT,HEX FLANGE                   | 24   |     | 20140115 ~   |
| 7       | 46684246 |     |  | WASHER;SPRING                     | 24   |     | ~ 20140114   |



## BREATHER

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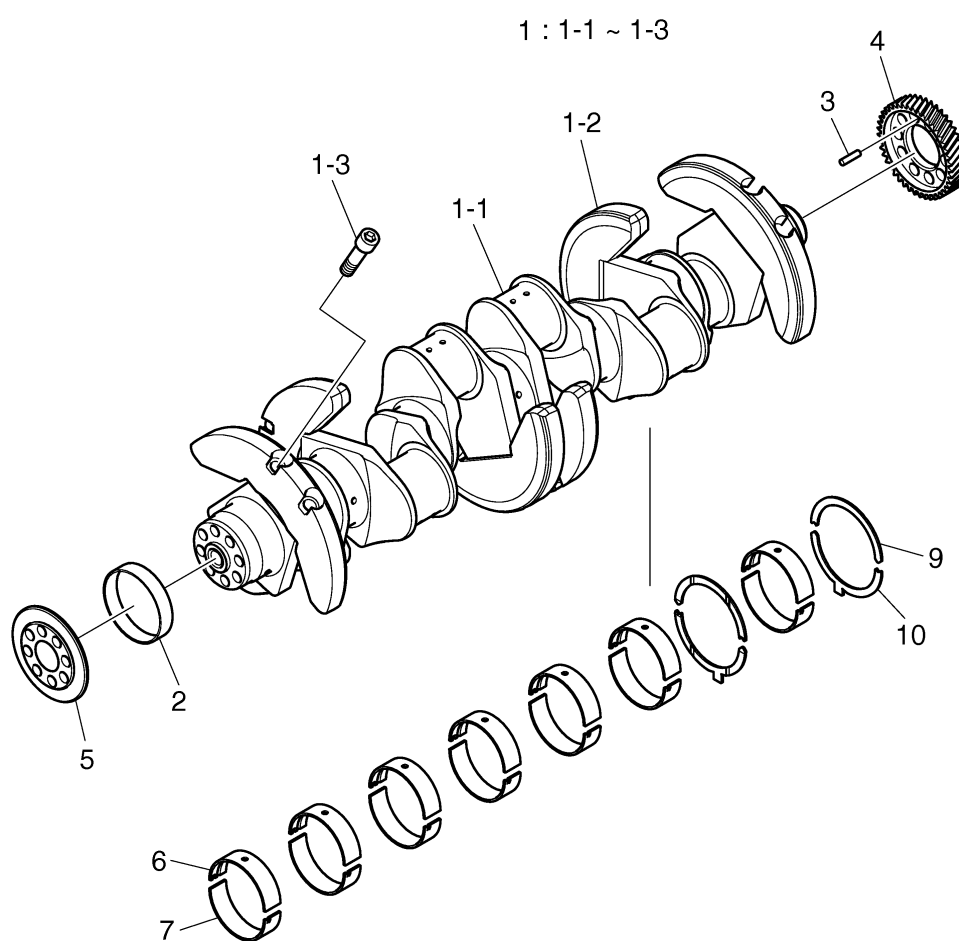


# BREATHER

| Key No. | Part No. | ICA |  | Description      | Q'ty | S.C | Adpated Date |
|---------|----------|-----|--|------------------|------|-----|--------------|
| 1       | 46685153 |     |  | SEPARATOR        | 2    |     |              |
| 2       | 46687365 |     |  | O-RING;BREATHER  | 2    |     |              |
| 3       | 46684958 |     |  | HOSE,AIR         | 1    |     | ~ 20150429   |
| 3       | NAP      |     |  | HOSE,AIR         | 1    |     | 20150430 ~   |
| 4       | 46684954 |     |  | HOSE,AIR         | 1    |     | ~ 20150429   |
| 4       | NAP      |     |  | HOSE,AIR         | 1    |     | 20150430 ~   |
| 5       | 46687426 |     |  | CLAMP,HOSE       | 4    |     |              |
| 6       | 46687552 |     |  | SCREW;CONNECTION | 2    |     |              |
| 7       | 46684368 |     |  | SEAL;RING        | 2    |     |              |

## CRANKSHAFT

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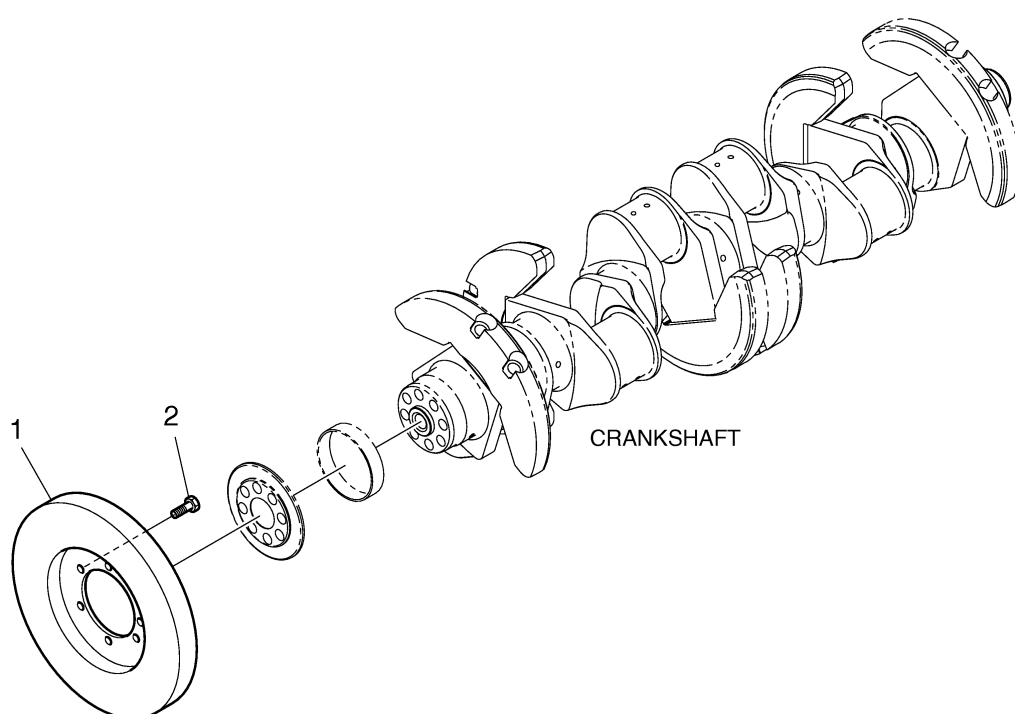
# CRANKSHAFT

적용일자 ;

| Key No. | Part No. | ICA | Description                | 수량<br>Q'ty | 서비스<br>코드<br>S.C | 적용일자<br>Adpated Date |
|---------|----------|-----|----------------------------|------------|------------------|----------------------|
| 1       | NAP      | Y   | CRANKSHAFT ASSY;D2842      | 1          |                  | ~ 20131212           |
| 1       | NAP      |     | CRANKSHAFT ASSY            | 1          |                  | 20131213 ~           |
| 1-1     | NAP      |     | CRANKSHAFT                 | 1          | NS               | ~ 20131212           |
| 1-1     | NAP      |     | CRANKSHAFT                 | 1          | NS               | 20131213 ~           |
| 1-2     | 46685373 |     | WEIGHT,COUNTER;CRANK SHAFT | 6          | NS               |                      |
| 1-3     | 46686914 |     | BOLT;BALANCE WEIGHT        | 12         |                  |                      |
| 2       | 46685382 |     | RING;WEAR(FRONT)           | 1          |                  |                      |
| 3       | 46684272 |     | PIN;PARALLEL               | 1          |                  |                      |
| 4       | 46685379 |     | GEAR;C.R.S                 | 1          |                  |                      |
| 5       | 46684949 |     | HOLDER,OIL SEAL            | 1          |                  |                      |
| 6       | 46685180 |     | BEARING,MAIN               | 6          |                  | ~ 20140612           |
| 6       | 46685180 |     | BEARING,MAIN               | 7          |                  | 20140613 ~           |
| 7       | 46685181 |     | BEARING,MAIN;CRS           | 6          |                  | ~ 20140612           |
| 7       | 46685181 |     | BEARING,MAIN;CRS           | 7          |                  | 20140613 ~           |
| 9       | NAP      |     | BEARING,THRUST             | 2          |                  | 20140613 ~           |
| 10      | NAP      |     | BEARING,THRUST             | 2          |                  | 20140613 ~           |

## VIBRATION DAMPER

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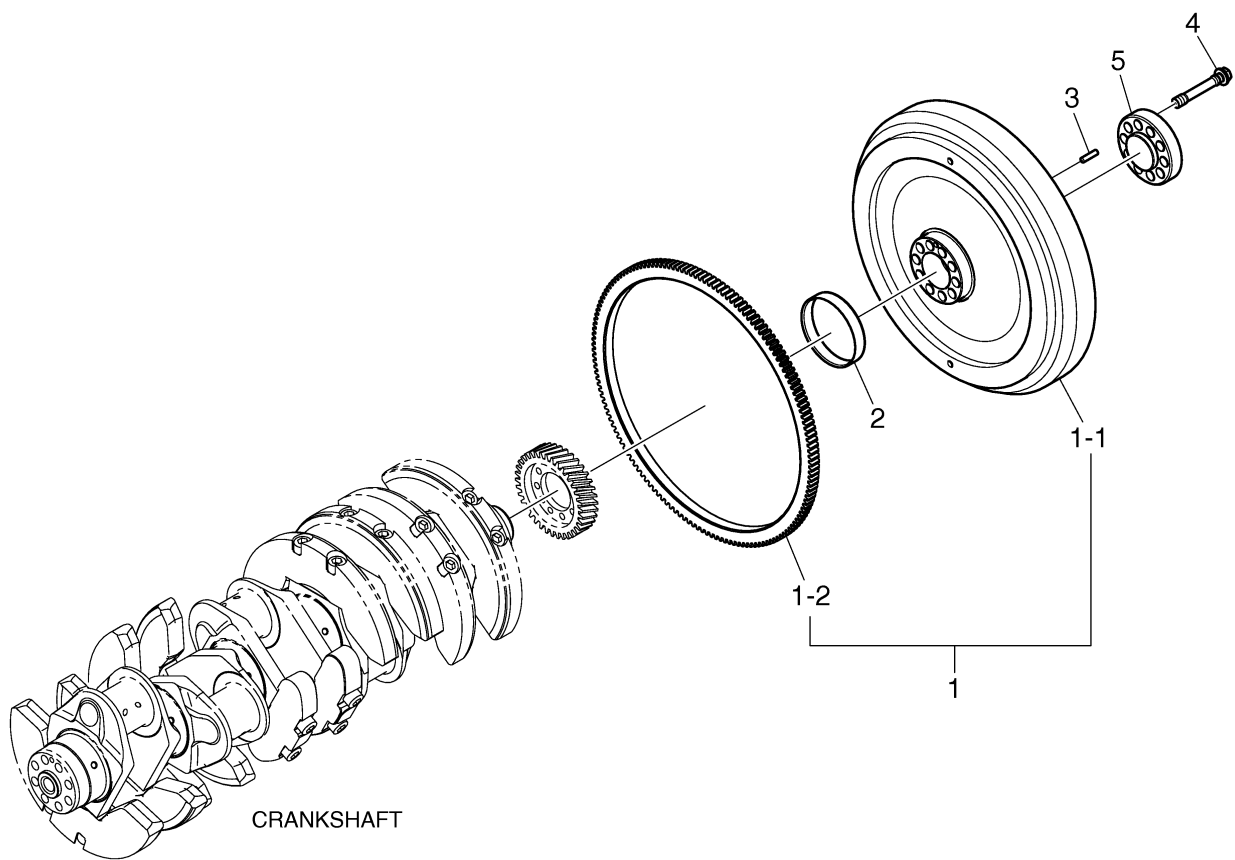


## VIBRATION DAMPER

| Key No. | Part No. | ICA |  | Description     | Q'ty | S.C | Adpated Date |
|---------|----------|-----|--|-----------------|------|-----|--------------|
| 1       | 46685385 |     |  | DAMPER;VISCOUS  | 1    |     |              |
| 2       | 46686893 |     |  | BOLT;HEX M10X20 | 6    |     |              |

## FLYWHEEL

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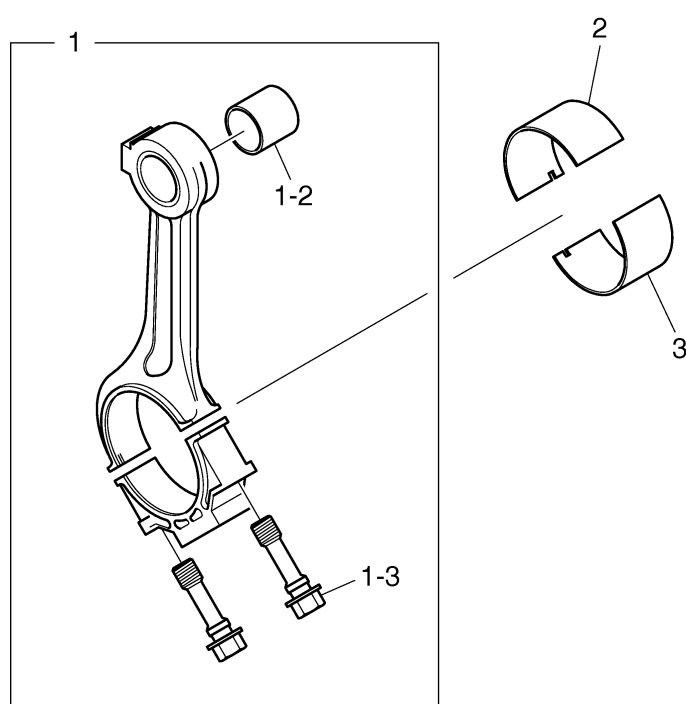
# FLYWHEEL

| Key No. | Part No. | ICA |  | Description                     | Q'ty | S.C | Adpated Date |
|---------|----------|-----|--|---------------------------------|------|-----|--------------|
| 1       | 46685387 |     |  | FLYWHEEL ASSY                   | 1    |     |              |
| 1-1     | 46685390 |     |  | FLYWHEEL                        | 1    | NS  |              |
| 1-2     | 46685401 |     |  | GEAR;STARTER RING               | 1    |     |              |
| 2       | 46685383 |     |  | RING;WEAR(REAR)                 | 1    |     |              |
| 3       | 46687093 |     |  | PIN;TAPER                       | 1    |     |              |
| 4       | NAP      |     |  | BOLT,HEX;BOLT, FLY WHEEL        | 10   |     |              |
| 5       | NAP      |     |  | WASHER,SPACER;END PLATE FOR FLY | 1    |     |              |



## CONNECTING ROD

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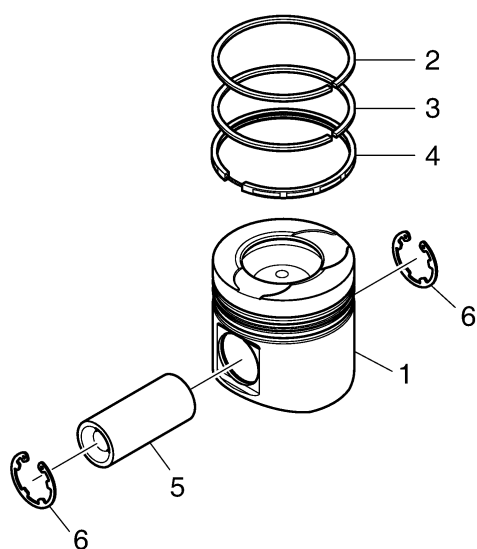


## CONNECTING ROD

| Key No. | Part No. | ICA |  | Description                  | Q'ty | S.C | Adpated Date |
|---------|----------|-----|--|------------------------------|------|-----|--------------|
| 1       | 46684759 |     |  | ROD ASSY,CONNECTING          | 12   |     |              |
| 1-2     | 46685154 |     |  | BUSHING,METAL;CONNECTING ROD | 1    |     |              |
| 1-3     | 46685426 |     |  | BOLT;CONNECTING ROD          | 2    |     |              |
| 2       | 46685423 |     |  | BEARING,CONNECTING ROD       | 12   |     |              |
| 3       | 46685421 |     |  | METAL;CON-ROD(LOWER)         | 12   | G   |              |

## PISTON

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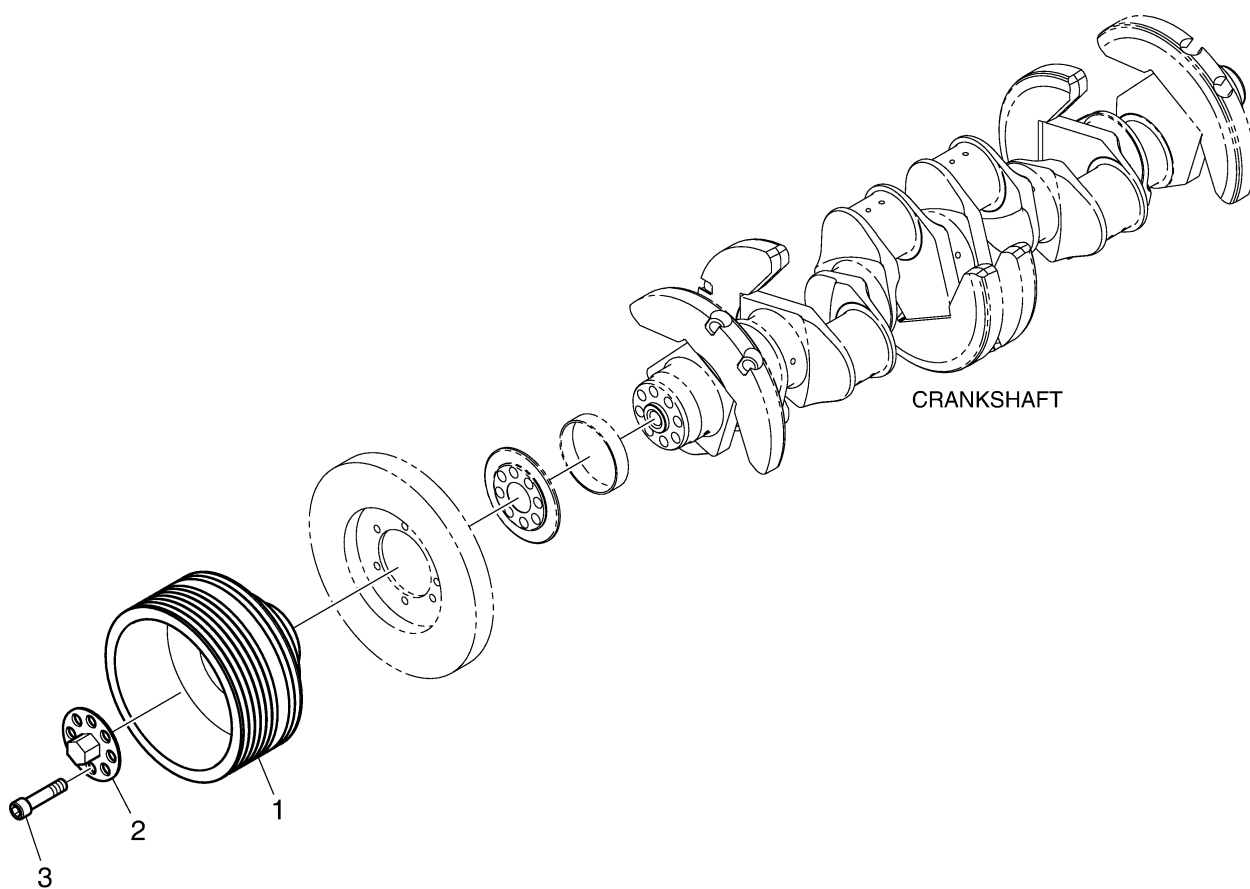


# PISTON

| Key No. | Part No. | ICA |  | Description     | Q'ty | S.C | Adpated Date |
|---------|----------|-----|--|-----------------|------|-----|--------------|
| 1       | 46684652 |     |  | PISTON          | 12   |     |              |
| 2       | 46685504 |     |  | RING;PISTON     | 12   | K   |              |
| 3       | 46685503 |     |  | RING;PISTON     | 12   | K   |              |
| 4       | 46685508 |     |  | RING;PISTON OIL | 12   | K   |              |
| 5       | 46685492 |     |  | PIN,PISTON      | 12   |     |              |
| 6       | 46684285 |     |  | RING;LOCK       | 24   |     |              |
| *       | NAP      |     |  | RING KIT,PISTON | 12   |     |              |

## CRANKSHAFT PULLEY

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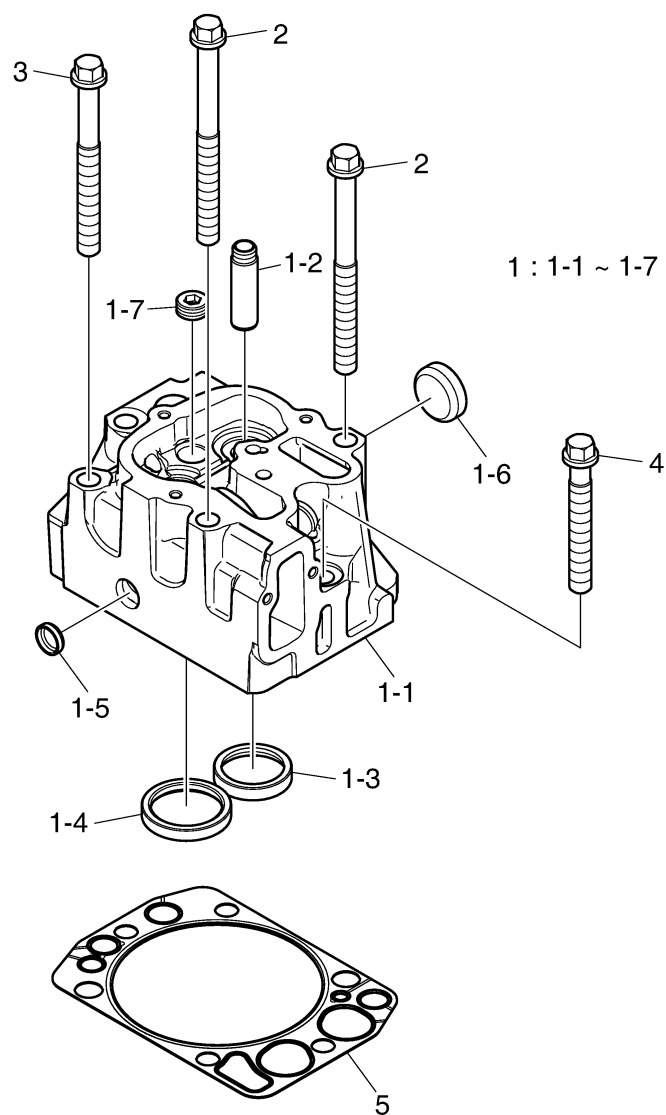


## CRANKSHAFT PULLEY

| Key No. | Part No. | ICA |  | Description          | Q'ty | S.C | Adpated Date |
|---------|----------|-----|--|----------------------|------|-----|--------------|
| 1       | NAP      |     |  | PULLEY,CRANKSHAFT    | 1    |     |              |
| 2       | 46687573 |     |  | PLATE;TURNING DEVICE | 1    |     |              |
| 3       | NAP      |     |  | BOLT,HEX SOCKET HEAD | 8    |     |              |

## CYLINDER HEAD

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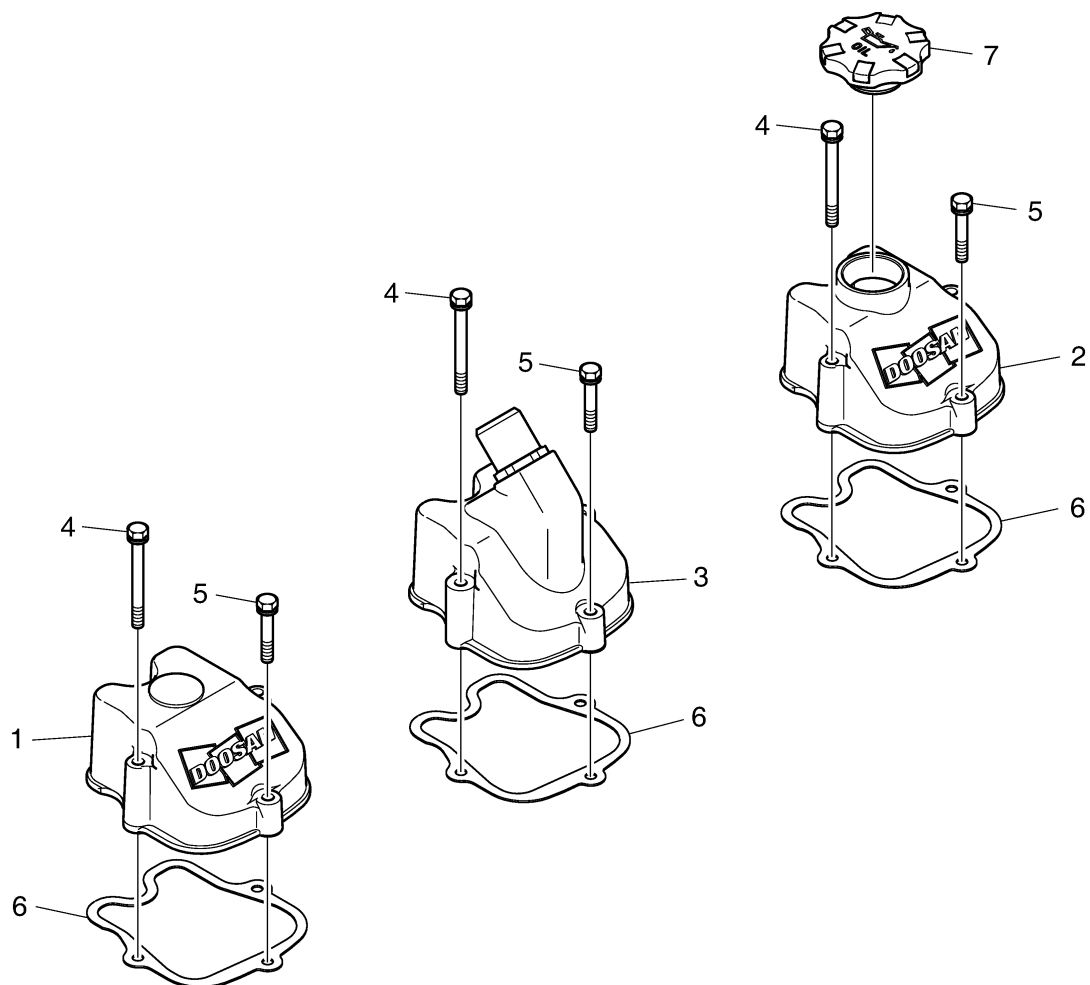
## CYLINDER HEAD

| Key No. | Part No. | ICA |  | Description                   | Q'ty | S.C | Adpated Date |
|---------|----------|-----|--|-------------------------------|------|-----|--------------|
| 1       | 46684744 |     |  | HEAD ASSY,CYLINDER            | 12   | NS  |              |
| 1-1     | 46684747 |     |  | HEAD,CYLINDER                 | 1    |     |              |
| 1-2     | 46685522 |     |  | GUIDE,VALVE                   | 2    |     |              |
| 1-3     | 46685523 |     |  | VALVE;SEAT(EXHAUST)           | 1    |     |              |
| 1-4     | 46685524 |     |  | VALVE;SEAT(INTAKE)            | 1    |     |              |
| 1-5     | 46687102 |     |  | PLUG;CORE                     | 1    |     |              |
| 1-6     | 46687100 |     |  | PLUG;CORE                     | 1    |     |              |
| 1-7     | 46687046 |     |  | SCREW,PLUG                    | 1    |     |              |
| 2       | 46686906 |     |  | BOLT;CYLINDER HEAD            | 24   |     |              |
| 3       | 46686905 |     |  | BOLT;CYLINDER HEAD            | 36   |     |              |
| 4       | 46686907 |     |  | BOLT;CYLINDER HEAD            | 12   |     |              |
| 5       | 46685608 |     |  | GASKET,CYLINDER HEAD;CYL HEAD | 12   |     |              |



## CYLINDER HEAD COVER

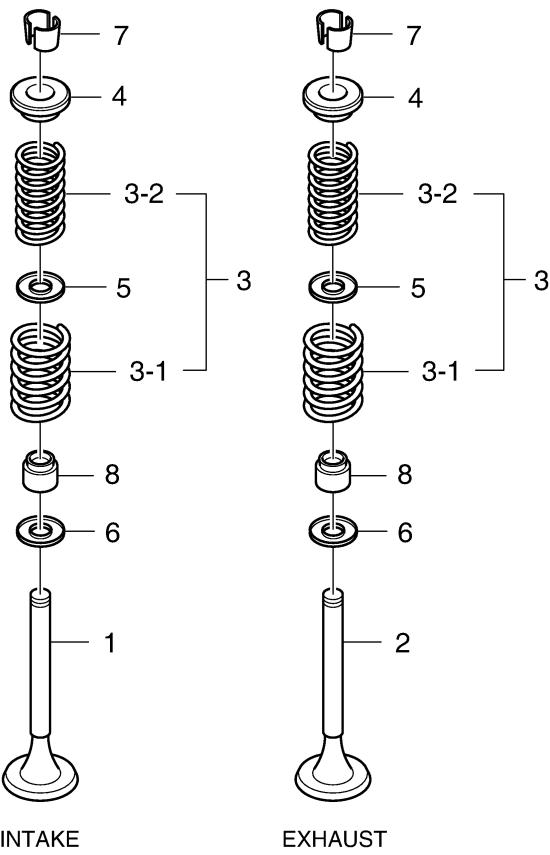
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## CYLINDER HEAD COVER

| Key No. | Part No. | ICA |  | Description                | Q'ty | S.C | Adpated Date |
|---------|----------|-----|--|----------------------------|------|-----|--------------|
| 1       | 46685535 |     |  | COVER,CYLINDER HEAD        | 9    |     |              |
| 2       | NAP      |     |  | COVER,CYLINDER HEAD        | 1    |     |              |
| 3       | 46685537 |     |  | COVER,CYLINDER HEAD        | 2    |     |              |
| 4       | 46683301 |     |  | BOLT ASS'Y M8X70           | 24   |     |              |
| 5       | 46682041 |     |  | BOLT ASS'Y M8X45           | 12   |     |              |
| 6       | 46685612 |     |  | GASKET,CYLINDER HEAD COVER | 12   |     |              |
| 7       | 46682792 |     |  | CAP;OIL FILLER             | 1    |     |              |

VALVE

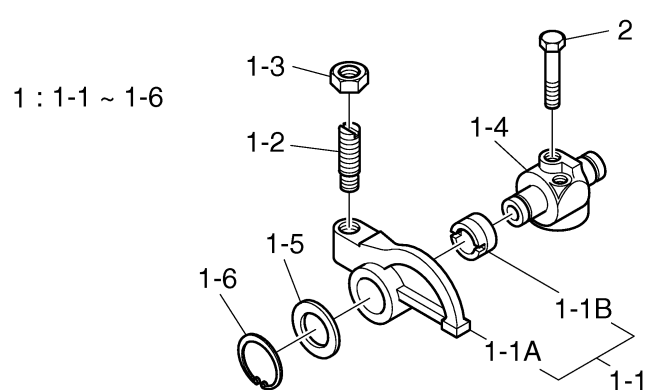


## VALVE

| Key No. | Part No. | ICA |  | Description           | Q'ty | S.C | Adpated Date |
|---------|----------|-----|--|-----------------------|------|-----|--------------|
| 1       | 46685863 |     |  | VALVE,INTAKE          | 12   |     |              |
| 2       | 46685864 |     |  | VALVE,EXHAUST         | 12   |     |              |
| 3       | 46685629 |     |  | VALVE SPRING ASS'Y    | 24   |     |              |
| 3-1     | 46685625 |     |  | SPRING;VALVE(OUTER)   | 1    |     |              |
| 3-2     | 46685626 |     |  | SPRING;VALVE(INNER)   | 1    |     |              |
| 4       | 46685631 |     |  | RETAINER;VALVE SPRING | 24   |     |              |
| 5       | 46687065 |     |  | WASHER;INNER          | 24   |     |              |
| 6       | 46687066 |     |  | WASHER;OUTER          | 24   |     |              |
| 7       | 46685636 |     |  | COTTER,VALVE          | 48   |     |              |
| 8       | 46685752 |     |  | SEAL;VALVE STEM       | 24   |     |              |

## ROCKER ARM

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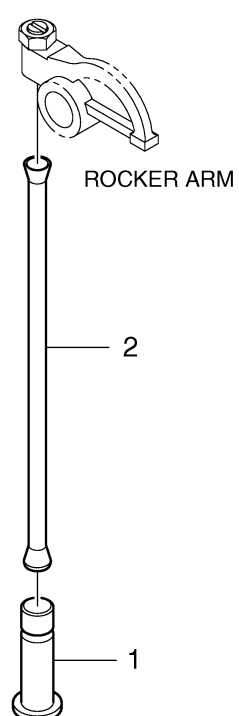


## ROCKER ARM

| Key No. | Part No. | ICA | Description               | Q'ty | S.C | Adpated Date |
|---------|----------|-----|---------------------------|------|-----|--------------|
| 1       | 46685639 | Y   | ARM ASSY,ROCKER (1 PCS)   | 12   |     | ~ 20150703   |
| 1       | NAP      |     | ROCKER ARM SHAFT ASSY     | 12   |     | 20150704 ~   |
| 1-1     | 46685646 |     | ARM,ROCKER                | 2    | NS  | ~ 20150703   |
| 1-1     | NAP      |     | ARM ASSY,ROCKER           | 2    | NS  | 20150704 ~   |
| 1-1A    | 46685641 |     | ARM;ROCKER                | 1    | NS  | ~ 20150703   |
| 1-1A    | NAP      |     | ARM,ROCKER                | 1    | NS  | 20150704 ~   |
| 1-1B    | 46687223 |     | BUSH;ROCKER ARM           | 1    | NS  |              |
| 1-2     | 46685654 |     | SCREW KIT;ROCKER ARM      | 2    |     |              |
| 1-3     | 46687055 |     | NUT;HEX.                  | 2    |     |              |
| 1-4     | 46685649 |     | RETAINER BRACKET ASS'Y    | 1    |     |              |
| 1-5     | 46687068 |     | WASHER                    | 2    |     |              |
| 1-6     | 46684278 |     | RING;SNAP                 | 2    |     |              |
| 2       | 46683269 |     | BOLT,HEX;EXHAUST MANIFOLD | 24   |     |              |

## TAPPET & PUSH ROD

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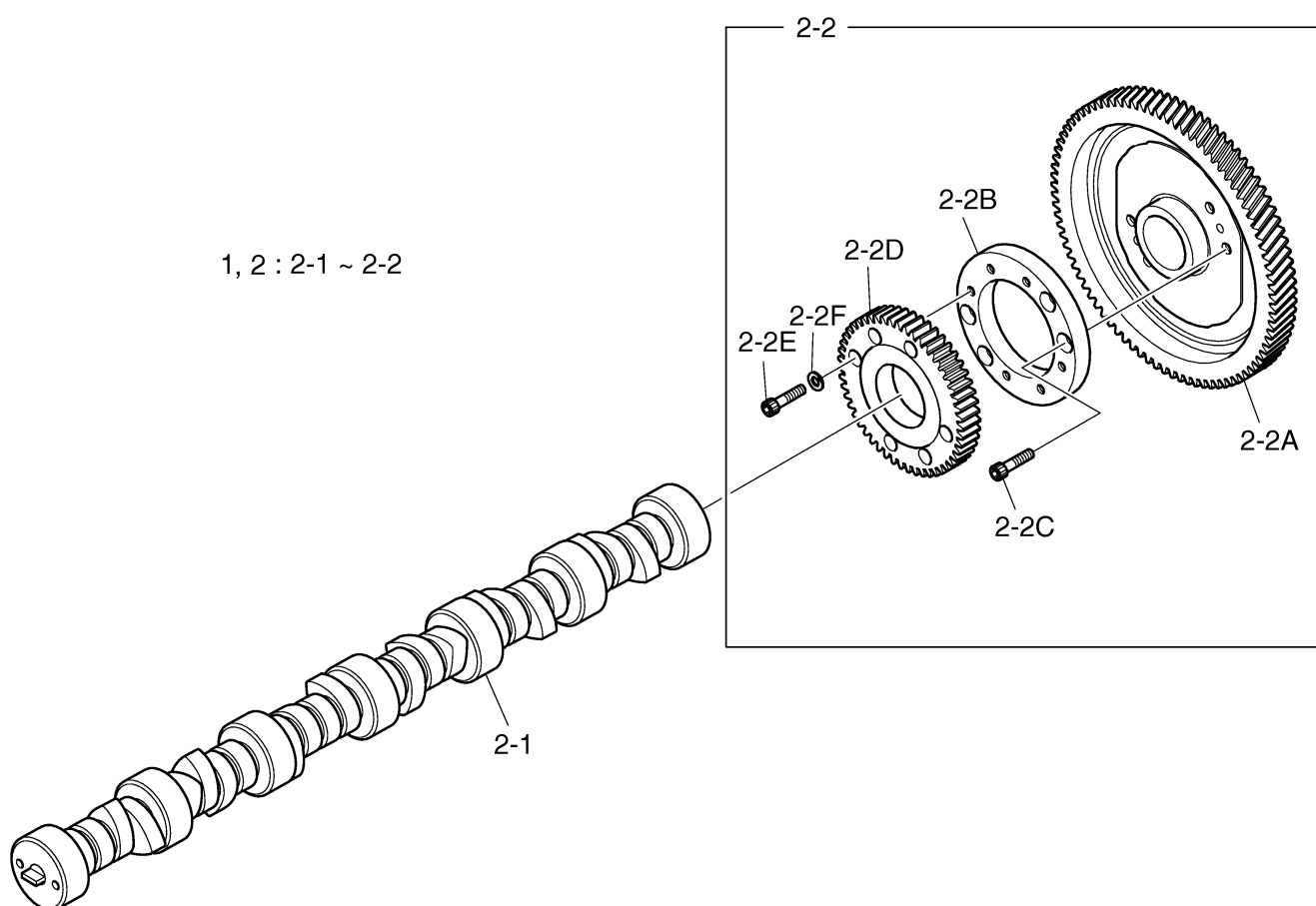
## TAPPET & PUSH ROD

| Key No. | Part No. | ICA |  | Description  | Q'ty | S.C | Adpated Date |
|---------|----------|-----|--|--------------|------|-----|--------------|
| 1       | 46685657 |     |  | TAPPET;VALVE | 24   |     |              |
| 2       | 46685658 |     |  | ROD;PUSH     | 24   |     |              |



## CAMSHAFT

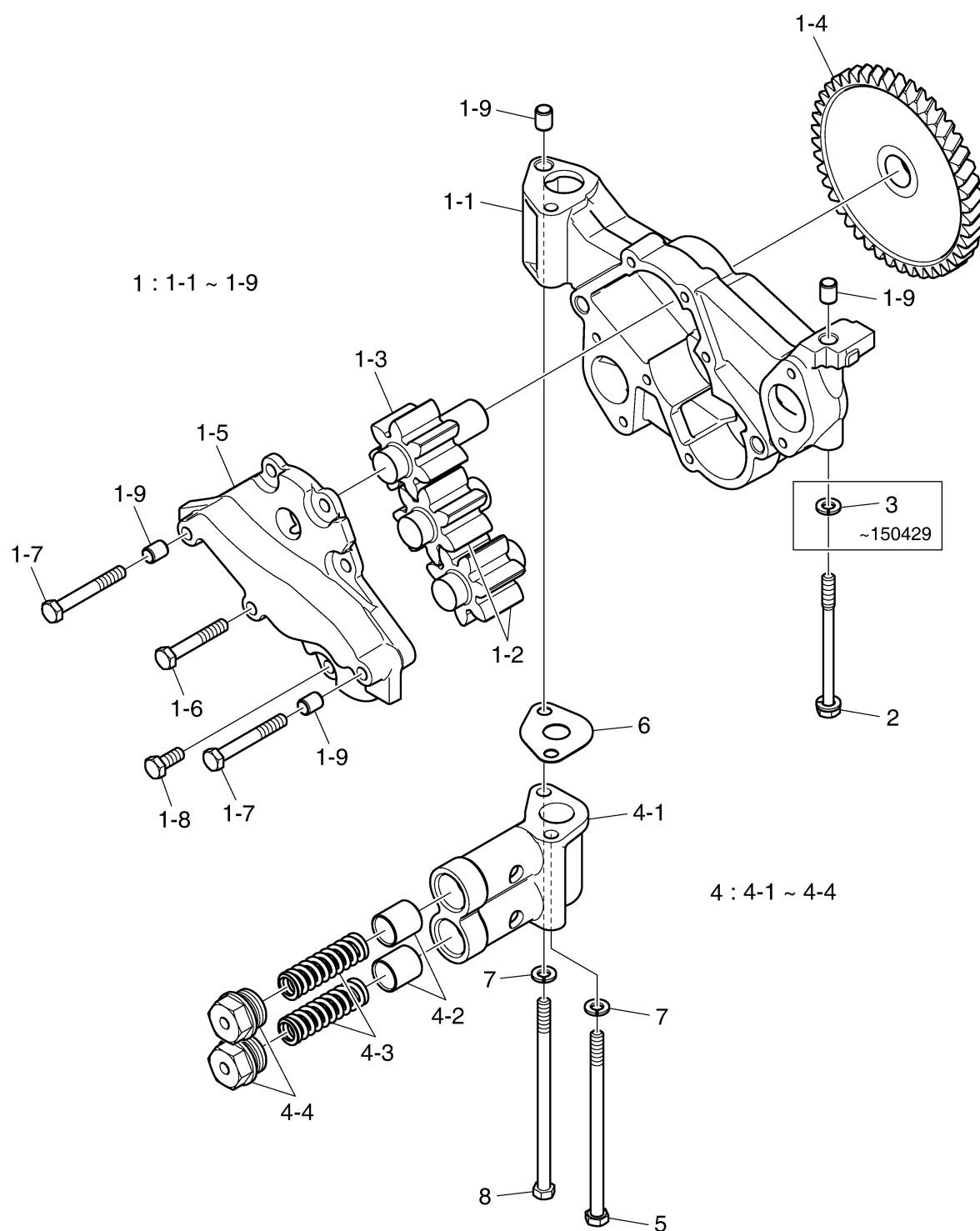
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## CAMSHAFT

| Key No. | Part No. | ICA |  | Description                       | Q'ty | S.C | Adpated Date |
|---------|----------|-----|--|-----------------------------------|------|-----|--------------|
| 1       | 46685733 |     |  | CAMSHAFT;TABLE MARKING            | 1    | NS  |              |
| 2       | NAP      |     |  | CAMSHAFT ASSY                     | 1    |     |              |
| 2-1     | NAP      |     |  | CAMSHAFT;D2842(FINAL)             | 1    |     |              |
| 2-2     | 46686566 |     |  | GEAR ASSY,DRIVE                   | 1    | NS  |              |
| 2-2A    | 46685740 |     |  | GEAR,CAMSHAFT                     | 1    |     |              |
| 2-2B    | 46687193 |     |  | SPACER;FOR DRIVE GEAR             | 1    |     |              |
| 2-2C    | 46686913 |     |  | BOLT,HEX SOCKET HEAD              | 4    |     |              |
| 2-2D    | 46686568 |     |  | GEAR,INJECTION PUMP DRIVE;GEAR, D | 1    |     |              |
| 2-2E    | 46683853 |     |  | BOLT,HEX SOCKET                   | 6    |     |              |
| 2-2F    | 46684250 |     |  | WASHER                            | 6    |     |              |

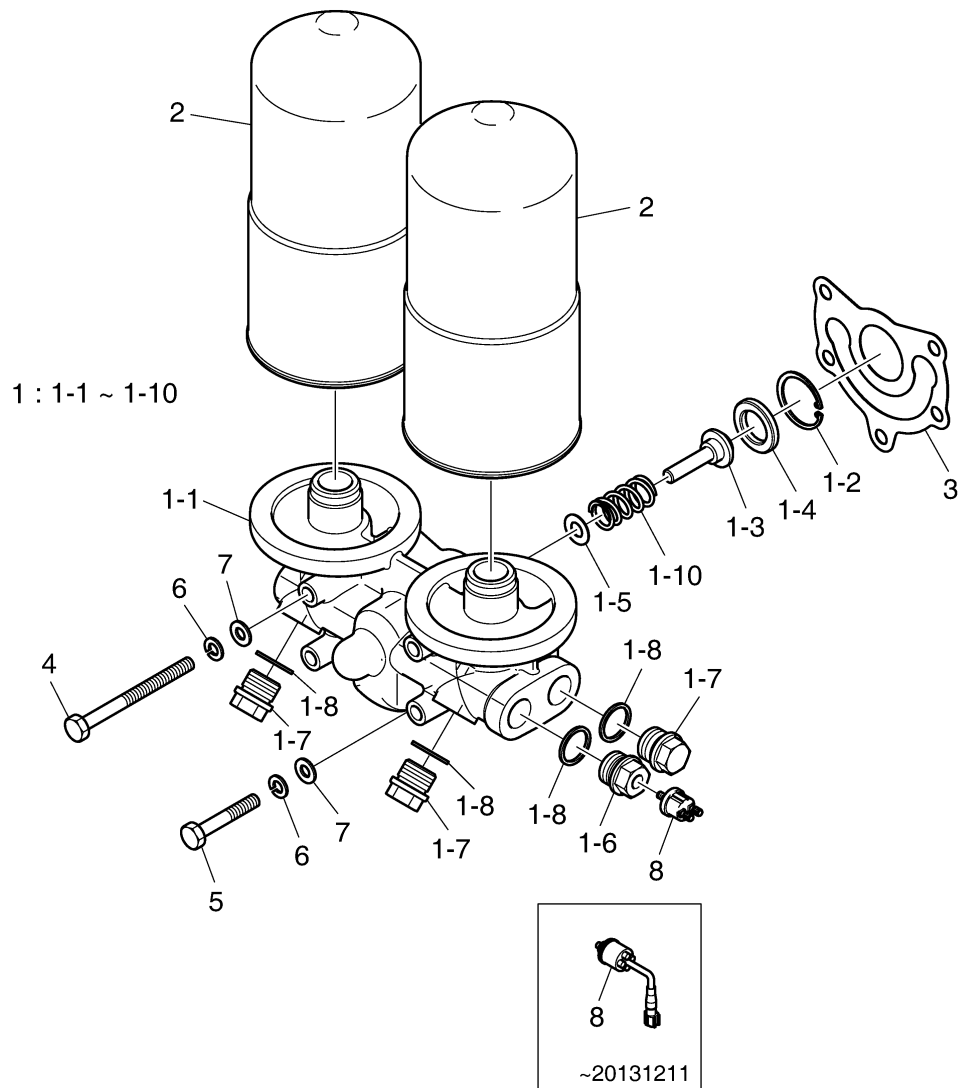
# OIL PUMP



# OIL PUMP

| Key No. | Part No. | ICA | Description                       | Q'ty | S.C | Adpated Date |
|---------|----------|-----|-----------------------------------|------|-----|--------------|
| 1       | NAP      |     | PUMP ASSY,OIL                     | 1    |     | ~ 20150429   |
| 1       | NAP      |     | PUMP ASSY,OIL;CYL,BODY TO BRG,CAP | 1    |     | 20150430 ~   |
| 1-1     | NAP      |     | HOUSING,OIL PUMP;CYL,BODY TO BRG, | 1    | NS  | 20150430 ~   |
| 1-2     | NAP      |     | GEAR,OIL PUMP                     | 2    | NS  | 20150430 ~   |
| 1-3     | NAP      |     | GEAR,OIL PUMP                     | 1    | NS  | 20150430 ~   |
| 1-4     | 46685772 |     | GEAR OIL PUMP DRIVE               | 1    |     | 20150430 ~   |
| 1-5     | NAP      |     | COVER;CYL,BODY TO BRG,CAP         | 1    | NS  | 20150430 ~   |
| 1-6     | 46683180 |     | BOLT;HEX. M8X50                   | 1    |     | 20150430 ~   |
| 1-7     | NAP      |     | BOLT M8X65                        | 2    |     | 20150430 ~   |
| 1-8     | 46683178 |     | BOLT;HEX. M8X50                   | 4    |     | 20150430 ~   |
| 1-9     | NAP      |     | PIN,LOCATING                      | 4    |     | 20150430 ~   |
| 2       | NAP      |     | BOLT M8X95                        | 1    |     | ~ 20150429   |
| 2       | NAP      |     | BOLT ASS'Y M8X100                 | 1    |     | 20150430 ~   |
| 3       | 46682729 |     | WASHER                            | 1    |     | ~ 20150429   |
| 4       | NAP      |     | VALVE ASSY,RELIEF;OIL PUMP        | 1    |     |              |
| 4-1     | NAP      |     | HOUSING,RELIEF VALVE              | 1    | NS  |              |
| 4-2     | 46685848 |     | PLUNGER;REL.VALVE                 | 2    | NS  |              |
| 4-3     | 46687518 |     | SPRING;REL.VALVE                  | 2    |     |              |
| 4-4     | 46687032 |     | SCREW;REL.VALVE                   | 2    |     |              |
| 5       | 46683186 |     | BOLT M8X140                       | 2    |     | ~ 20150429   |
| 5       | 46683186 |     | BOLT M8X140                       | 1    |     | 20150430 ~   |
| 6       | NAP      |     | GASKET,RELIEF VALVE;RELIEF VALVE  | 1    |     |              |
| 7       | 46682729 |     | WASHER                            | 2    |     |              |
| 8       | 46686876 |     | BOLT;HEX. M8X150                  | 1    |     | 20150430 ~   |

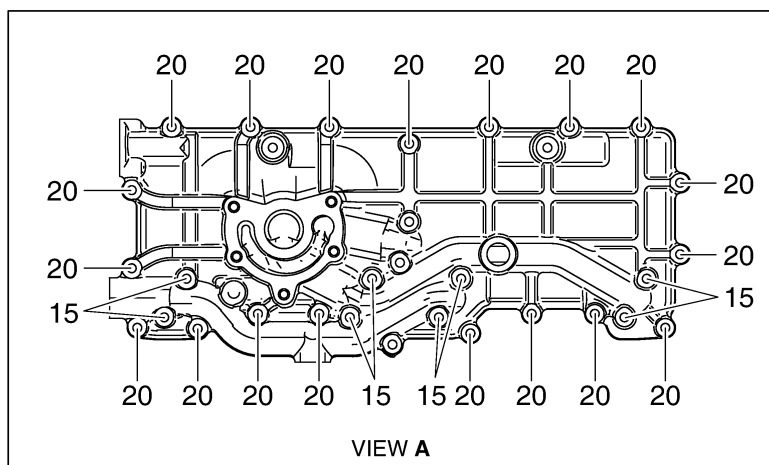
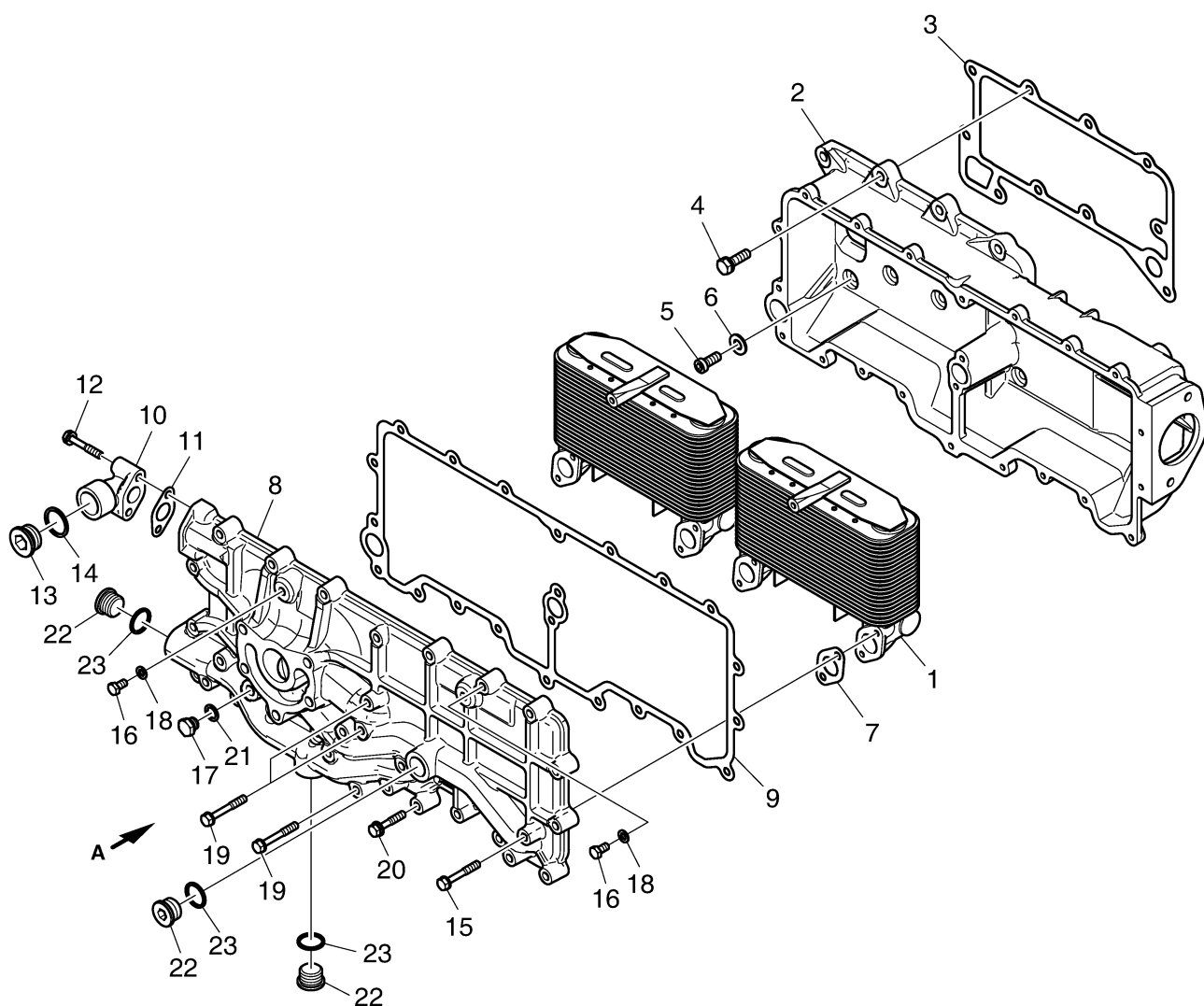
# OIL FILTER



# OIL FILTER

| Key No. | Part No. | ICA | Description                        | Q'ty | S.C | Adpated Date |
|---------|----------|-----|------------------------------------|------|-----|--------------|
| 1       | NAP      | Y   | FILTER ASSY,ENGINE OIL             | 1    |     | ~ 20141029   |
| 1       | NAP      |     | FILTER ASSY,ENGINE OIL;CYL,BODY TO | 1    |     | 20141030 ~   |
| 1-1     | NAP      | Y   | HEAD,OIL FILTER                    | 1    |     | ~ 20141029   |
| 1-1     | NAP      |     | HEAD,OIL FILTER;CYL,BODY TO BRG,CA | 1    |     | 20141030 ~   |
| 1-2     | NAP      |     | RING;LOCK                          | 1    |     |              |
| 1-3     | NAP      |     | VALVE                              | 1    |     |              |
| 1-4     | NAP      |     | SEAT;VALVE                         | 1    |     |              |
| 1-5     | NAP      |     | PLATE;STOP                         | 1    |     |              |
| 1-6     | NAP      |     | ADAPTER;FOR OIL PRESS.SWITCH       | 1    |     |              |
| 1-7     | NAP      |     | SCREW,PLUG                         | 3    |     |              |
| 1-8     | 46684367 |     | RING;SEAL                          | 4    |     |              |
| 1-10    | NAP      |     | SPRING                             | 1    |     | 20141030 ~   |
| 2       | 46685859 |     | CARTRIDGE;OIL FILTER               | 2    |     |              |
| 3       | 46686017 |     | GASKET,OIL FILTER COVER            | 1    |     |              |
| 4       | NAP      |     | BOLT,HEX                           | 4    |     |              |
| 5       | NAP      |     | BOLT,HEX                           | 1    |     |              |
| 6       | 46682730 |     | WASHER;SPRING                      | 5    |     |              |
| 7       | 46682724 |     | WASHER;PLAIN                       | 5    |     |              |
| 8       | 46684855 |     | SENSOR,OIL PRESSURE                | 1    |     | ~ 20131211   |
| 8       | NAP      |     | SWITCH,OIL PRESSURE                | 1    |     | 20131212 ~   |

# OIL COOLER

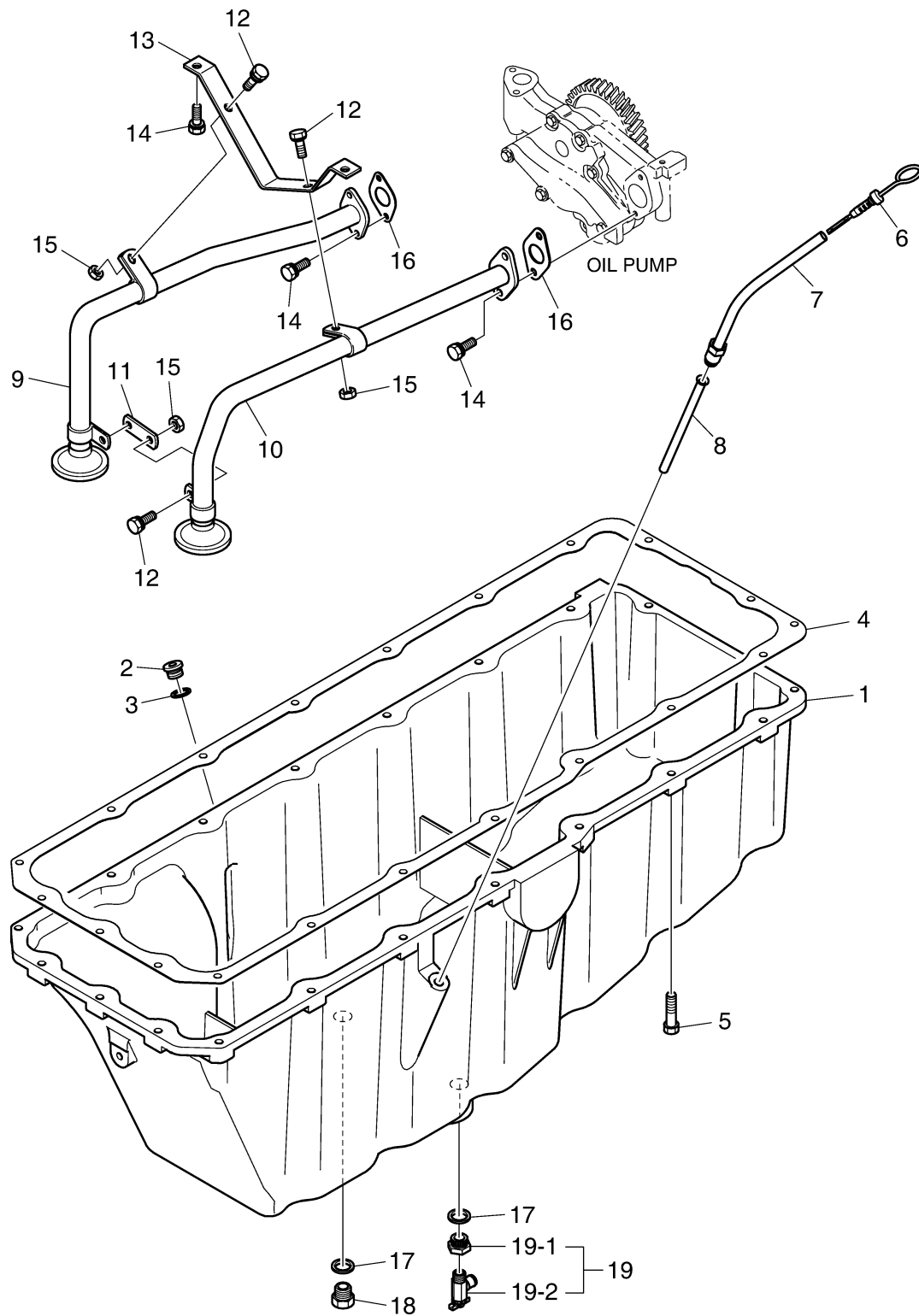


# OIL COOLER

| Key No. | Part No. | ICA | Description                        | Q'ty | S.C | Adpated Date |
|---------|----------|-----|------------------------------------|------|-----|--------------|
| 1       | 46685868 | Y   | OIL COOLER ASSY                    | 2    |     |              |
| 2       | NAP      |     | HOUSING,OIL COOLER                 | 1    |     |              |
| 3       | NAP      |     | GASKET                             | 1    |     | ~ 20140929   |
| 3       | NAP      |     | GASKET,OIL COOLER;CYL,BODY TO BR   | 1    |     | 20140930 ~   |
| 4       | 46683575 |     | BOLT ASSY,HEX                      | 5    |     |              |
| 5       | 46686911 |     | BOLT,HEX SOCKET HEAD               | 5    |     | ~ 20141217   |
| 5       | NAP      |     | BOLT,HEX SOCKET HEAD               | 5    |     | 20141218 ~   |
| 6       | 46687216 |     | WASHER                             | 5    |     |              |
| 7       | 46686255 |     | GASKET                             | 4    |     |              |
| 8       | NAP      |     | HEAD,OIL COOLER;FOR OIL COOLER     | 1    |     |              |
| 9       | NAP      |     | GASKET,OIL COOLER HOUSING;OIL FILT | 1    |     |              |
| 10      | 46687527 |     | FLANGE                             | 1    |     |              |
| 11      | 46686025 |     | GASKET                             | 1    |     |              |
| 12      | 46683595 |     | BOLT ASS'Y M8X50                   | 2    |     |              |
| 13      | 46687040 |     | SCREW;PLUG                         | 1    |     |              |
| 14      | 46684371 |     | SEAL;RING                          | 1    |     |              |
| 15      | 46682042 |     | BOLT ASS'Y M8X55                   | 8    |     |              |
| 16      | 46683206 |     | BOLT;HEX. M8X18                    | 2    |     |              |
| 17      | 46683968 |     | SCREW;PLUG M14X1.5                 | 1    |     |              |
| 18      | 46684247 |     | WASHER;SPRING                      | 2    |     |              |
| 19      | 46683299 |     | BOLT;HEX. M8X60                    | 3    |     |              |
| 20      | 46682041 |     | BOLT ASS'Y M8X45                   | 19   |     |              |
| 21      | NAP      |     | SEAL RING                          | 1    |     |              |
| 22      | 46683965 |     | SCREW;PLUG                         | 3    |     |              |
| 23      | 46684368 |     | SEAL;RING                          | 3    |     |              |



# OIL PAN

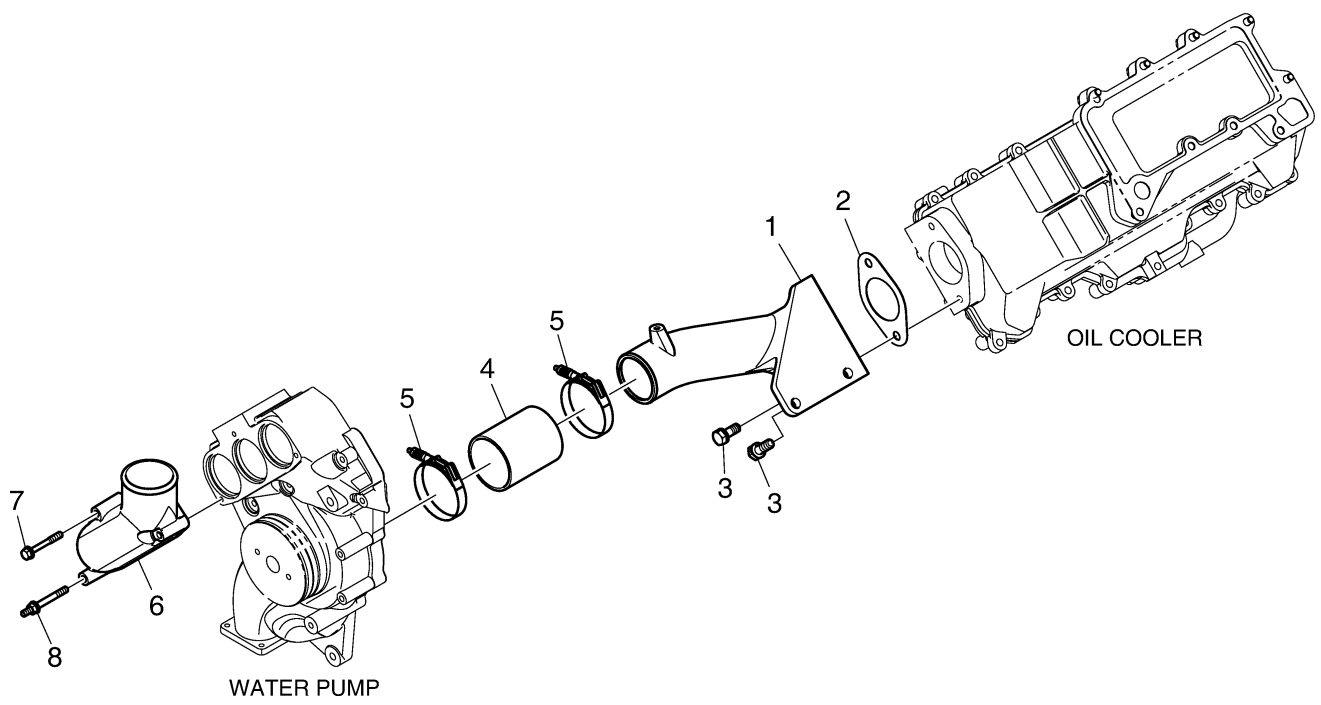


# OIL PAN

| Key No. | Part No. | ICA | Description             | Q'ty | S.C | Adpated Date |
|---------|----------|-----|-------------------------|------|-----|--------------|
| 1       | NAP      |     | PAN,OIL                 | 1    |     |              |
| 2       | 46687038 |     | SCREW;PLUG              | 1    |     |              |
| 3       | 46682751 |     | RING;SEAL A18X24        | 1    |     |              |
| 4       | NAP      |     | GASKET,OIL PAN          | 1    |     |              |
| 5       | 46683296 |     | BOLT ASS'Y M8X35        | 20   |     |              |
| 6       | NAP      |     | GAUGE ASSY,OIL LEVEL    | 1    |     | ~ 20150312   |
| 6       | NAP      |     | GAUGE ASSY,OIL LEVEL    | 1    |     | 20150313 ~   |
| 7       | NAP      |     | PIPE,OIL LEVEL GAUGE    | 1    |     | ~ 20150312   |
| 7       | 46686004 |     | PIPE,OIL LEVEL GAUGE    | 1    |     | 20150313 ~   |
| 8       | NAP      |     | PIPE,OIL LEVEL GAUGE    | 1    |     | ~ 20150312   |
| 8       | NAP      |     | PIPE,OIL LEVEL GAUGE    | 1    |     | 20150313 ~   |
| 9       | NAP      |     | PIPE,OIL SUCTION        | 1    |     |              |
| 10      | NAP      |     | PIPE ASSY,OIL SUCTION   | 1    |     |              |
| 11      | NAP      |     | HOLDER;OIL SUCTION PIPE | 1    |     |              |
| 12      | 46682040 |     | BOLT ASS'Y M8X25        | 4    |     |              |
| 13      | NAP      |     | HOLDER;OIL SUCTION PIPE | 1    |     |              |
| 14      | 46682046 |     | BOLT ASS'Y M8X20        | 6    |     |              |
| 15      | 46682374 |     | NUT                     | 4    |     |              |
| 16      | 46686249 |     | GASKET                  | 2    |     |              |
| 17      | 46684370 |     | RING;SEAL               | 2    |     |              |
| 18      | 46687044 |     | SCREW;PLUG M26X1.5      | 1    |     |              |
| 19      | NAP      |     | DRAIN ASSY              | 1    |     |              |
| 19-1    | NAP      |     | ADAPTER                 | 1    |     |              |
| 19-2    | 46685150 |     | DRAIN                   | 1    |     |              |

## COOLING WATER PIPE

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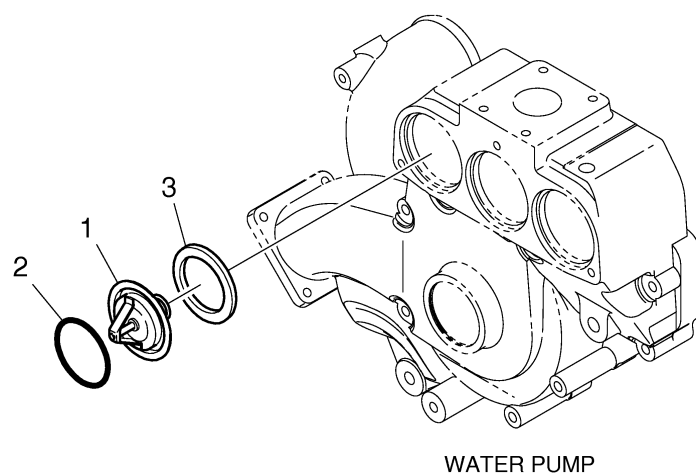


## COOLING WATER PIPE

| Key No. | Part No. | ICA |  | Description                     | Q'ty | S.C | Adpated Date |
|---------|----------|-----|--|---------------------------------|------|-----|--------------|
| 1       | NAP      |     |  | PIPE,COOLING WATER              | 1    |     |              |
| 2       | 46687385 |     |  | GASKET,COOLING WATER PIPE;WATER | 1    |     |              |
| 3       | 46683572 |     |  | BOLT;HEX. M12X1.75X35           | 4    |     |              |
| 4       | 46687245 |     |  | HOSE,RUBBER                     | 1    |     | ~ 20140929   |
| 4       | NAP      |     |  | HOSE,RUBBER                     | 1    |     | 20140930 ~   |
| 5       | 46687422 |     |  | CLAMP,HOSE                      | 2    |     | ~ 20140929   |
| 5       | NAP      |     |  | CLAMP,HOSE                      | 2    |     | 20140930 ~   |
| 6       | 46686110 |     |  | PIPE,COOLING WATER              | 1    |     | ~ 20141113   |
| 6       | 46685134 |     |  | OUTLET,WATER                    | 1    |     | 20141114 ~   |
| 7       | 46682050 |     |  | BOLT ASS'Y M8X65                | 1    |     |              |
| 8       | 46684556 |     |  | BOLT,STAY;CYL,BODY TO BRG,CAP   | 2    |     |              |

## THERMOSTAT

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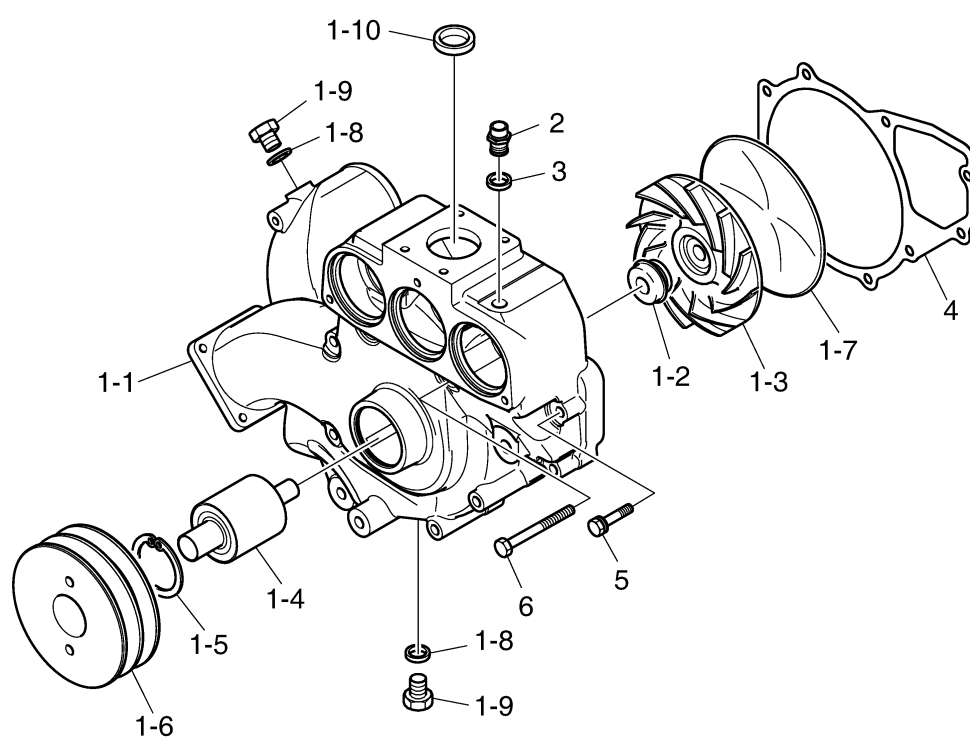
## THERMOSTAT

| Key No. | Part No. | ICA |  | Description | Q'ty | S.C | Adpated Date |
|---------|----------|-----|--|-------------|------|-----|--------------|
| 1       | 46686118 |     |  | THERMOSTAT  | 3    |     |              |
| 2       | 46684373 |     |  | O-RING      | 3    |     |              |
| 3       | 46687388 |     |  | GASKET      | 3    |     |              |

## WATER PUMP

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1 : 1-1 ~ 1-10

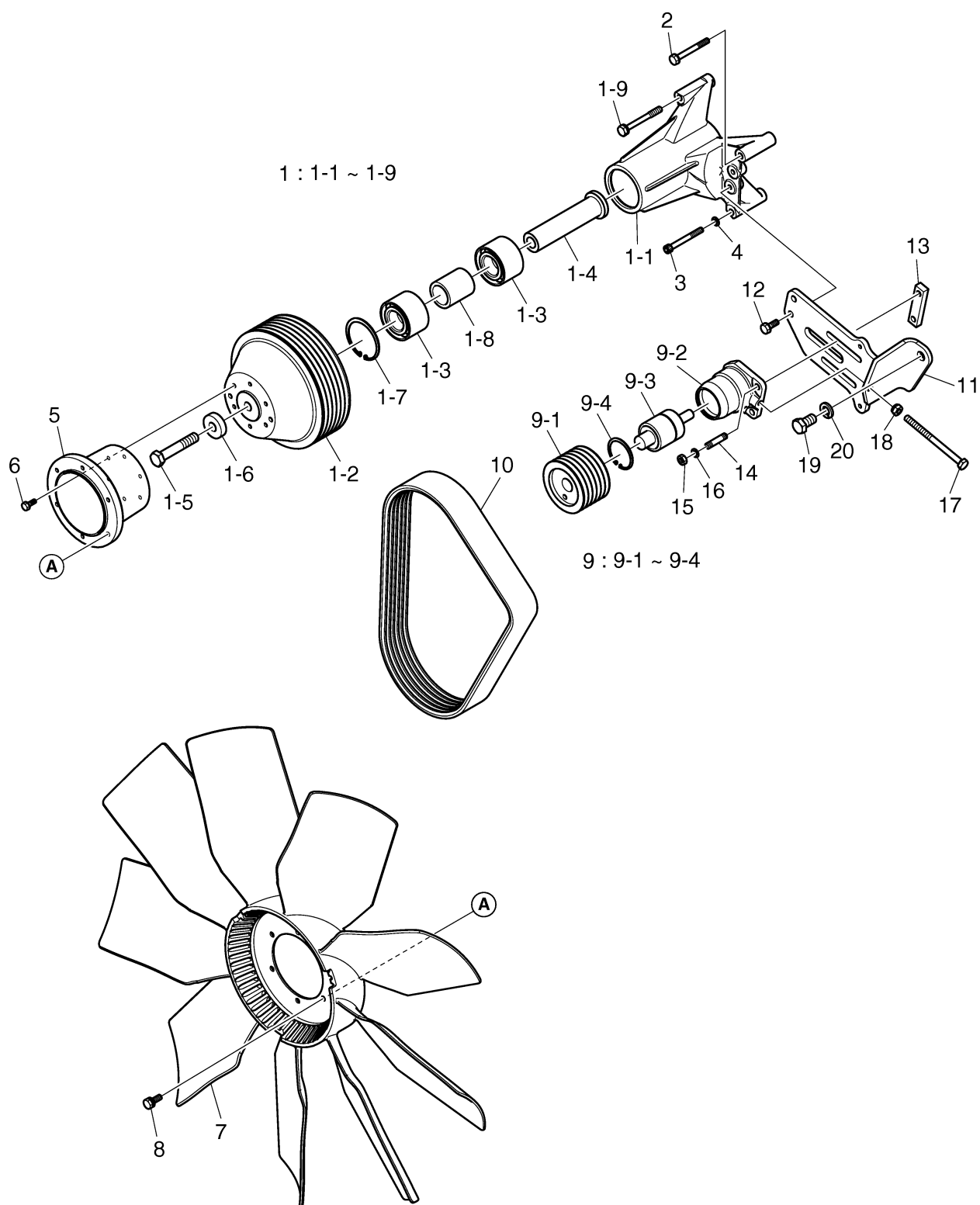


# WATER PUMP

| Key No. | Part No. | ICA | Description                      | Q'ty | S.C | Adpated Date |
|---------|----------|-----|----------------------------------|------|-----|--------------|
| 1       | 46686130 | Y   | PUMP ASSY;WATER                  | 1    | NS  | ~ 20140828   |
| 1       | NAP      |     | PUMP ASSY;WATER;CYL,BODY TO BRG  | 1    |     | 20140829 ~   |
| 1-1     | 46686131 |     | HOUSING;WATER PUMP               | 1    | NS  | ~ 20140828   |
| 1-1     | NAP      |     | HOUSING;WATER PUMP;CYL,BODY TO I | 1    | NS  | 20140829 ~   |
| 1-2     | 46682861 |     | SEAL;MECHANICAL                  | 1    |     |              |
| 1-3     | 46686139 |     | IMPELLER;WATER PUMP              | 1    |     |              |
| 1-4     | 46682954 |     | BEARING                          | 1    |     |              |
| 1-5     | 46682738 |     | SNAP RING                        | 1    |     |              |
| 1-6     | 46685511 |     | PULLEY,BELT;FOR IDLE PULLY ASSY  | 1    |     |              |
| 1-7     | 46686148 |     | COVER;WATER PUMP                 | 1    |     |              |
| 1-8     | 46682750 |     | SEAL;RING                        | 2    |     |              |
| 1-9     | 46682889 |     | PLUG SCREW M16 X 1.5             | 2    |     |              |
| 1-10    | 46682958 |     | PLUG;CORE                        | 1    |     |              |
| 2       | 46687549 |     | SCREW;CONNECTION                 | 1    |     |              |
| 3       | NAP      |     | SEAL RING                        | 1    |     |              |
| 4       | 46687379 | Y   | GASKET;WATER PUMP                | 1    |     | ~ 20150303   |
| 4       | NAP      |     | GASKET;CYL,BODY TO BRG,CAP       | 1    |     | 20150304 ~   |
| 5       | 46683596 |     | BOLT ASS`Y M8X55                 | 3    |     |              |
| 6       | 46683211 |     | BOLT M8X85                       | 3    |     |              |



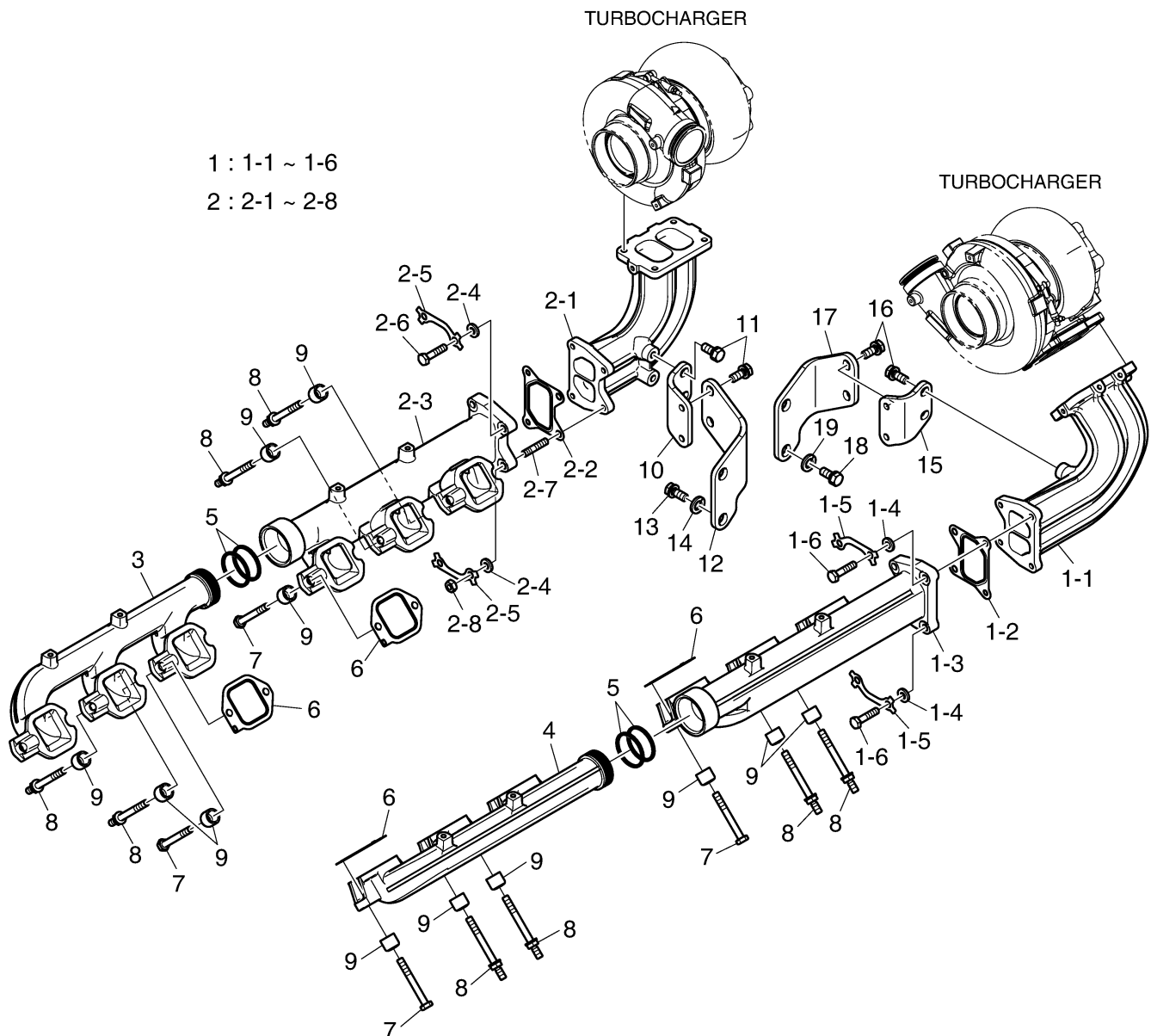
# COOLING FAN



# COOLING FAN

| Key No. | Part No. | ICA | Description               | Q'ty | S.C | Adpated Date |
|---------|----------|-----|---------------------------|------|-----|--------------|
| 1       | NAP      |     | BRACKET ASSY,FAN MOUNTING | 1    |     | ~ 20140527   |
| 1       | NAP      |     | BRACKET ASSY,FAN MOUNTING | 1    |     | 20140528 ~   |
| 1-1     | NAP      |     | BRACKET,FAN MOUNTING      | 1    |     |              |
| 1-2     | NAP      |     | PULLEY,FAN                | 1    |     | ~ 20140527   |
| 1-2     | NAP      |     | PULLEY,FAN                | 1    |     | 20140528 ~   |
| 1-3     | 46685156 |     | BEARING,ANGULAR BALL      | 2    |     |              |
| 1-4     | NAP      |     | SHAFT,FAN                 | 1    |     |              |
| 1-5     | 46683285 |     | BOLT,HEX                  | 1    |     |              |
| 1-6     | 46687074 |     | WASHER                    | 1    |     |              |
| 1-7     | 46684280 |     | RING,SNAP                 | 1    |     |              |
| 1-8     | NAP      |     | SPACER,FAN                | 1    |     |              |
| 1-9     | 46683570 |     | BOLT ASS`Y M10X90         | 2    |     |              |
| 2       | 46683570 |     | BOLT ASS`Y M10X90         | 1    |     |              |
| 3       | 46683852 |     | BOLT,SOCKET HEAD          | 1    |     |              |
| 4       | 46684251 |     | WASHER;SPRING             | 1    |     |              |
| 5       | NAP      |     | FLANGE,FAN                | 1    |     |              |
| 6       | 46683592 |     | BOLT;HEX. M8X28           | 6    |     |              |
| 7       | NAP      |     | FAN,COOLING               | 1    |     |              |
| 8       | 46682048 |     | BOLT ASS`Y M8X30          | 6    |     |              |
| 9       | NAP      |     | PULLEY ASSY,IDLE          | 1    |     |              |
| 9-1     | NAP      |     | PULLEY,IDLE               | 1    |     |              |
| 9-2     | 46684401 |     | BRACKET,IDLE PULLEY       | 1    |     |              |
| 9-3     | 46682954 |     | BEARING                   | 1    |     |              |
| 9-4     | 46682738 |     | SNAP RING                 | 1    |     |              |
| 10      | 46684641 |     | BELT,V                    | 1    |     |              |
| 11      | NAP      |     | BRACKET,IDLE PULLEY       | 1    |     |              |
| 12      | 46683611 |     | BOLT ASS`Y M10X25         | 2    |     |              |
| 13      | 46685985 |     | BRACKET,IDLE PULLEY       | 1    |     |              |
| 14      | 46683959 |     | BOLT;STUD M10X35          | 2    |     |              |
| 15      | 46682375 |     | NUT;HEX. M10              | 2    |     |              |
| 16      | 46682730 |     | WASHER;SPRING             | 2    |     |              |
| 17      | 46683262 |     | BOLT,HEX                  | 1    |     | ~ 20140601   |
| 17      | NAP      |     | BOLT,HEX                  | 1    |     | 20140602 ~   |
| 18      | 46684240 |     | NUT,HEX                   | 1    |     |              |
| 19      | 46683264 |     | BOLT,HEX                  | 1    |     |              |
| 20      | 46682732 |     | WASHER;SPRING             | 1    |     |              |

## EXHAUST MANIFOLD

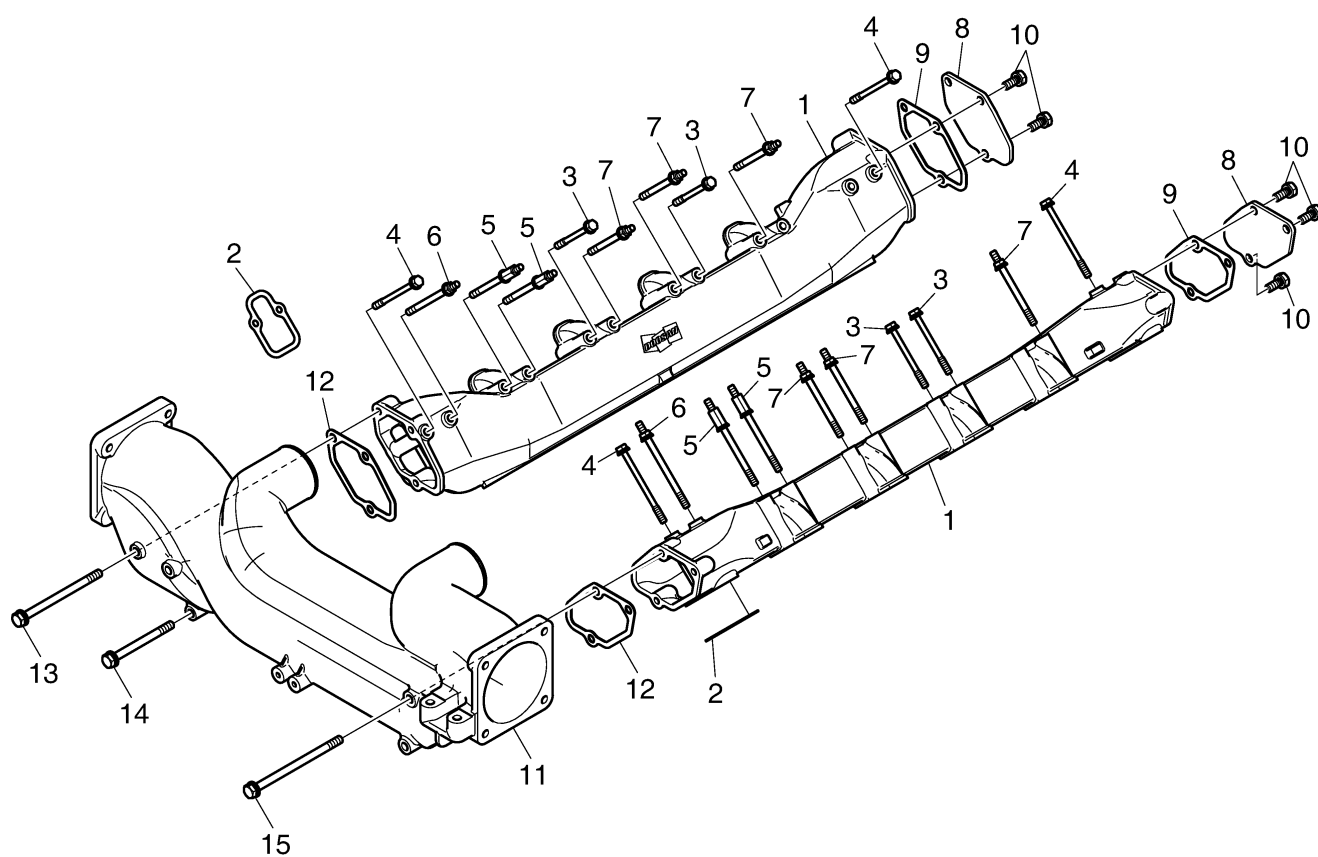


## EXHAUST MANIFOLD

| Key No. | Part No. | ICA | Description                      | Q'ty | S.C | Adpated Date |
|---------|----------|-----|----------------------------------|------|-----|--------------|
| 1       | NAP      |     | MANIFOLD ASSY,EXHAUST            | 1    |     |              |
| 1-1     | 46684823 |     | MANIFOLD,EXHAUST                 | 1    |     |              |
| 1-2     | 46687383 |     | GASKET                           | 1    |     |              |
| 1-3     | NAP      |     | MANIFOLD,EXHAUST                 | 1    |     |              |
| 1-4     | 46687062 |     | WASHER                           | 4    |     |              |
| 1-5     | 46687079 |     | WASHER;LOCK                      | 2    |     |              |
| 1-6     | 46683190 |     | BOLT;HEX                         | 4    |     |              |
| 2       | NAP      |     | MANIFOLD ASSY,EXHAUST            | 1    |     |              |
| 2-1     | 46684828 |     | MANIFOLD,EXHAUST                 | 1    |     |              |
| 2-2     | 46687383 |     | GASKET                           | 1    |     |              |
| 2-3     | NAP      |     | MANIFOLD,EXHAUST                 | 1    |     |              |
| 2-4     | 46687062 |     | WASHER                           | 4    |     |              |
| 2-5     | 46687079 |     | WASHER;LOCK                      | 2    |     |              |
| 2-6     | 46683190 |     | BOLT;HEX                         | 3    |     |              |
| 2-7     | 46684549 |     | BOLT;STUD                        | 1    |     |              |
| 2-8     | 46682375 |     | NUT;HEX. M10                     | 1    |     |              |
| 3       | NAP      |     | MANIFOLD,EXHAUST                 | 1    |     |              |
| 4       | NAP      |     | MANIFOLD,EXHAUST                 | 1    |     |              |
| 5       | 46687569 |     | RING;LAMINATED                   | 4    |     |              |
| 6       | NAP      |     | GASKET,EXHAUST MANIFOLD;D28      | 12   |     |              |
| 7       | 46683203 |     | BOLT;HEX                         | 16   |     |              |
| 8       | 46686878 |     | BOLT;HEX.                        | 8    |     |              |
| 9       | 46687209 |     | SPACER;EXHAUST MANIFOLD FIXED TO | 24   |     |              |
| 10      | 46684408 |     | BRACKET,EXHAUST ELBOW            | 1    |     |              |
| 11      | 46683615 |     | BOLT ASS`Y M12X1.5X30            | 4    |     |              |
| 12      | 46684410 |     | BRACKET,EXHAUST ELBOW            | 1    |     |              |
| 13      | 46683284 |     | BOLT,HEX                         | 2    |     |              |
| 14      | 46682732 |     | WASHER;SPRING                    | 2    |     |              |
| 15      | 46684412 |     | BRACKET,EXHAUST ELBOW            | 1    |     |              |
| 16      | 46683615 |     | BOLT ASS`Y M12X1.5X30            | 4    |     |              |
| 17      | 46684411 |     | BRACKET,EXHAUST ELBOW            | 1    |     |              |
| 18      | 46683284 |     | BOLT,HEX                         | 2    |     |              |
| 19      | 46682732 |     | WASHER;SPRING                    | 2    |     |              |

## INTAKE MANIFOLD

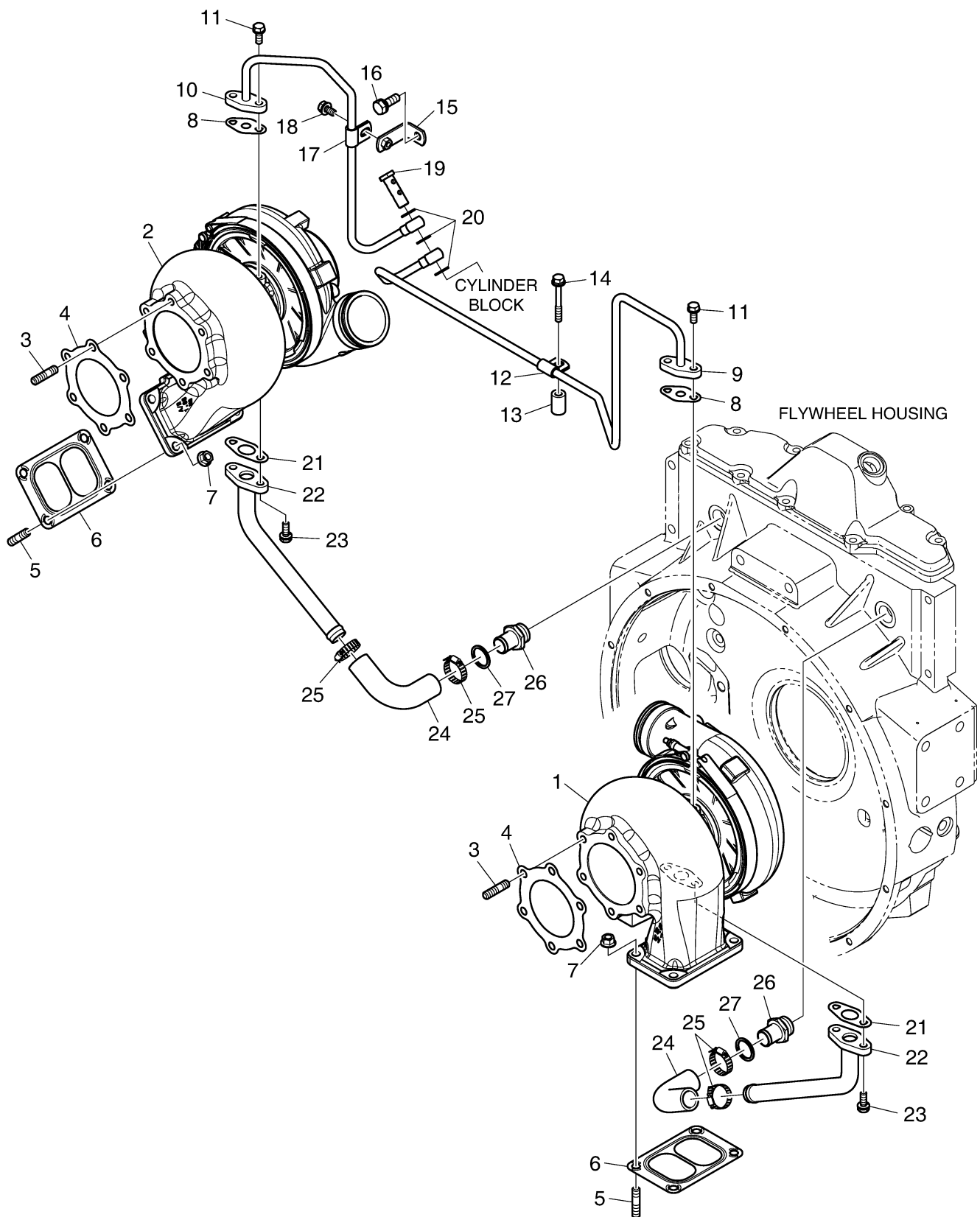
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# INTAKE MANIFOLD

| Key No. | Part No. | ICA |  | Description                   | Q'ty | S.C | Adpated Date |
|---------|----------|-----|--|-------------------------------|------|-----|--------------|
| 1       | NAP      |     |  | MANIFOLD,INTAKE               | 2    |     |              |
| 2       | 46686399 |     |  | GASKET,INTAKE MANIFOLD        | 12   |     |              |
| 3       | 46683600 |     |  | BOLT ASS'Y M8X90              | 4    |     |              |
| 4       | 46683601 |     |  | BOLT ASS'Y M8X110             | 4    |     |              |
| 5       | 46684618 |     |  | BOLT,STAY;CYL,BODY TO BRG,CAP | 4    |     |              |
| 6       | 46684557 |     |  | BOLT,STAY;CYL,BODY TO BRG,CAP | 2    |     |              |
| 7       | 46684554 |     |  | BOLT,STAY;CYL,BODY TO BRG,CAP | 6    |     |              |
| 8       | 46686296 |     |  | COVER,INTAKE                  | 2    |     |              |
| 9       | 46686402 |     |  | GASKET                        | 2    |     |              |
| 10      | 46682043 |     |  | BOLT ASS'Y M10X25             | 5    |     |              |
| 11      | 46684835 |     |  | PIPE,AIR INLET                | 1    |     |              |
| 12      | 46686402 |     |  | GASKET                        | 2    |     |              |
| 13      | 46683290 |     |  | BOLT ASSY;CYL,BODY TO BRG,CAP | 2    |     |              |
| 14      | 46683605 |     |  | BOLT ASSY;CYL,BODY TO BRG,CAP | 1    |     |              |
| 15      | 46683306 |     |  | BOLT ASSY;CYL,BODY TO BRG,CAP | 3    |     |              |

# TURBOCHARGER



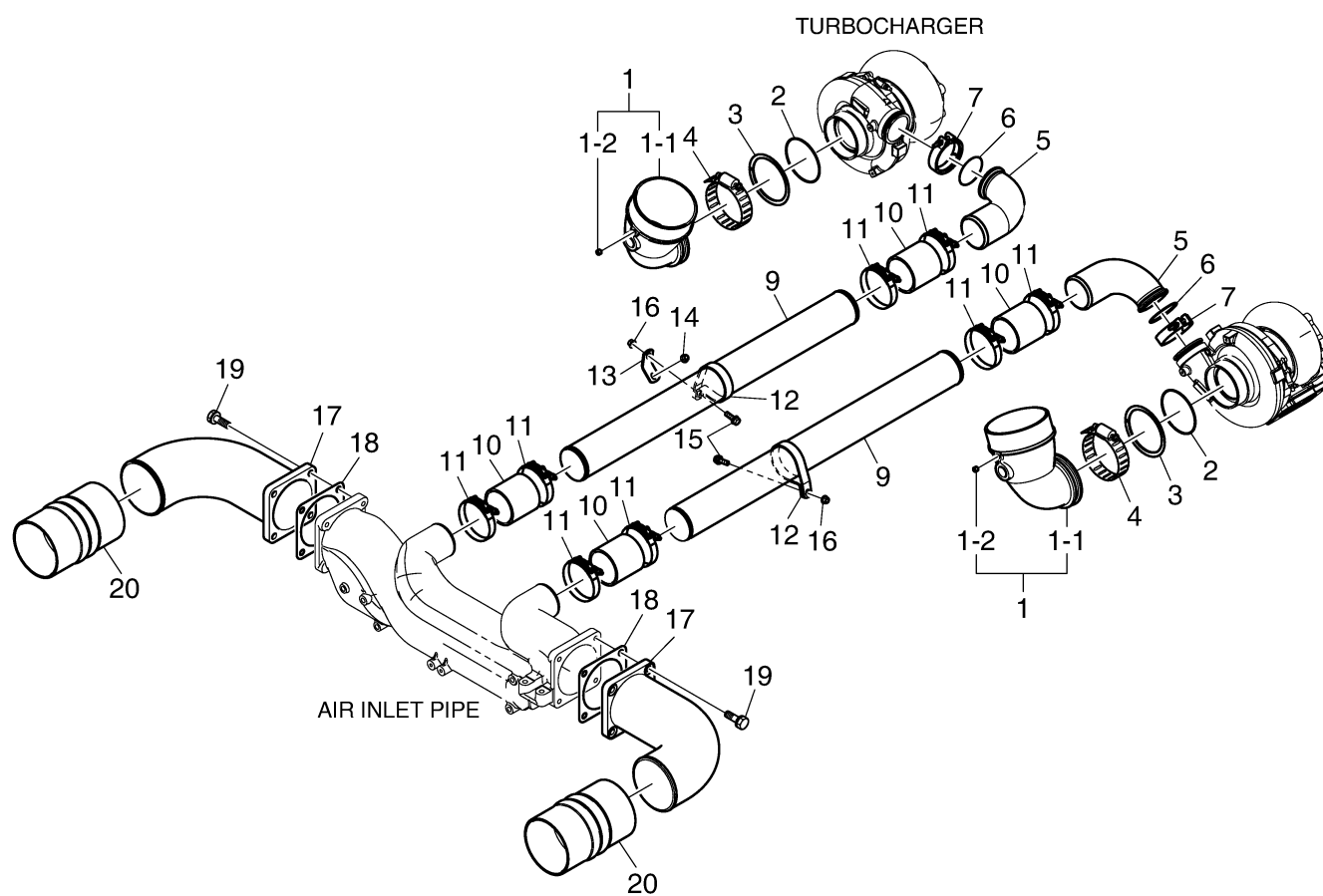
# TURBOCHARGER

| Key No. | Part No. | ICA | Description             | Q'ty | S.C | Adpated Date |
|---------|----------|-----|-------------------------|------|-----|--------------|
| 1       | NAP      | Y   | CHARGER ASSY,TURBO      | 1    |     | ~ 20140327   |
| 1       | NAP      |     | CHARGER ASSY,TURBO      | 1    |     | 20140327 ~   |
| 2       | NAP      | Y   | CHARGER ASSY,TURBO      | 1    |     | ~ 20140327   |
| 2       | NAP      |     | CHARGER ASSY,TURBO      | 1    |     | 20140327 ~   |
| 3       | NAP      |     | BOLT;STUD M10X30        | 12   |     |              |
| 4       | 46686396 |     | GASKET;EXHAUST ELBOW    | 2    |     |              |
| 5       | 46686923 |     | BOLT;STUD               | 8    |     |              |
| 6       | 46686428 |     | GASKET;TURBO CHARGER    | 2    |     |              |
| 7       | 46687057 |     | NUT                     | 8    |     |              |
| 8       | 46687384 |     | GASKET;OIL PIPE ADAPTER | 2    |     |              |
| 9       | NAP      |     | PIPE,OIL DELIVERY       | 1    |     |              |
| 10      | NAP      |     | PIPE,OIL DELIVERY       | 1    |     | ~ 20150429   |
| 10      | NAP      |     | PIPE,OIL DELIVERY       | 1    |     | 20150430 ~   |
| 11      | NAP      |     | BOLT,HEX FLANGE         | 4    |     |              |
| 12      | 46687405 |     | CLIP;PIPE               | 1    |     |              |
| 13      | 46696812 |     | SPACER                  | 1    |     |              |
| 14      | 46682050 |     | BOLT ASS'Y M8X65        | 1    |     |              |
| 15      | 46687509 |     | HOLDER                  | 1    |     |              |
| 16      | 46683308 |     | BOLT M10X30             | 1    |     |              |
| 17      | 46687405 |     | CLIP;PIPE               | 1    |     |              |
| 18      | 46683588 |     | BOLT ASS'Y M8X18        | 1    |     |              |
| 19      | 46684164 |     | SCREW;HOLLOW            | 1    |     |              |
| 20      | NAP      |     | SEAL RING               | 3    |     |              |
| 21      | 46687380 |     | GASKET;T/C OIL RETURN   | 2    |     |              |
| 22      | NAP      | Y   | PIPE,OIL RETURN         | 2    |     | ~ 20150505   |
| 22      | 46685058 |     | PIPE,OIL RETURN         | 2    |     | 20150506 ~   |
| 23      | NAP      |     | BOLT,HEX FLANGE         | 4    |     |              |
| 24      | NAP      | Y   | HOSE,OIL                | 2    |     | ~ 20150505   |
| 24      | 46684961 |     | HOSE,OIL                | 2    |     | 20150506 ~   |
| 25      | NAP      |     | CLAMP,HOSE;BAND TYPE    | 4    |     |              |
| 26      | 46687551 |     | CONNECTION SCREW        | 2    |     |              |
| 27      | 46684370 |     | RING;SEAL               | 2    |     |              |



## INTAKE STAKE

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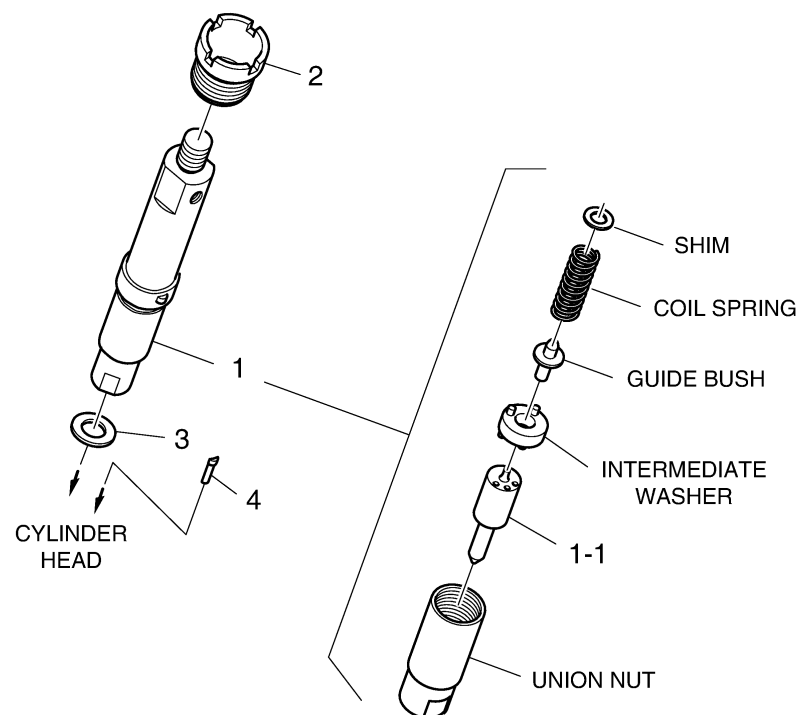


# INTAKE STAKE

| Key No. | Part No. | ICA | Description                      | Q'ty | S.C | Adpated Date |
|---------|----------|-----|----------------------------------|------|-----|--------------|
| 1       | NAP      | I   | STAKE,INTAKE                     | 2    |     | ~ 20140506   |
| 1       | NAP      |     | STAKE,INTAKE                     | 2    |     | 20140507 ~   |
| 1-1     | NAP      |     | STAKE,INTAKE                     | 1    |     | 20140507 ~   |
| 1-2     | 46682928 |     | PLUG SCREW                       | 1    |     | 20140507 ~   |
| 2       | 46684357 |     | RING,O                           | 2    |     |              |
| 3       | 46686297 |     | INSERT                           | 2    |     |              |
| 4       | 46687430 |     | CLAMP,V                          | 2    |     |              |
| 5       | 46685039 |     | PIPE,INLET                       | 2    |     |              |
| 6       | 46687371 |     | RING,O;TURBO-CHARGER, AIR PIPE   | 2    |     |              |
| 7       | 46687428 |     | CLAMP                            | 2    |     |              |
| 9       | NAP      |     | PIPE,INLET                       | 2    |     |              |
| 10      | 46687238 |     | HOSE,RUBBER                      | 4    |     |              |
| 11      | 46687422 |     | CLAMP,HOSE                       | 8    |     |              |
| 12      | NAP      |     | CLIP,AIR PIPE                    | 2    |     | ~ 20140402   |
| 12      | 46687409 |     | CLIP,PIPE                        | 2    |     | 20140403 ~   |
| 13      | 46684510 |     | HOLDER                           | 1    |     |              |
| 14      | 46687058 |     | NUT                              | 1    |     |              |
| 15      | 46682048 |     | BOLT ASS'Y M8X30                 | 2    |     |              |
| 16      | 46687058 |     | NUT                              | 2    |     |              |
| 17      | NAP      |     | PIPE,INLET                       | 2    |     |              |
| 18      | 46686431 |     | GASKET,INTERCOOLER;FOR AIR INLET | 2    |     |              |
| 19      | 46683616 |     | BOLT ASS'Y                       | 8    |     |              |
| 20      | 46687237 |     | HOSE,RUBBER                      | 2    |     |              |

## INJECTION NOZZLE

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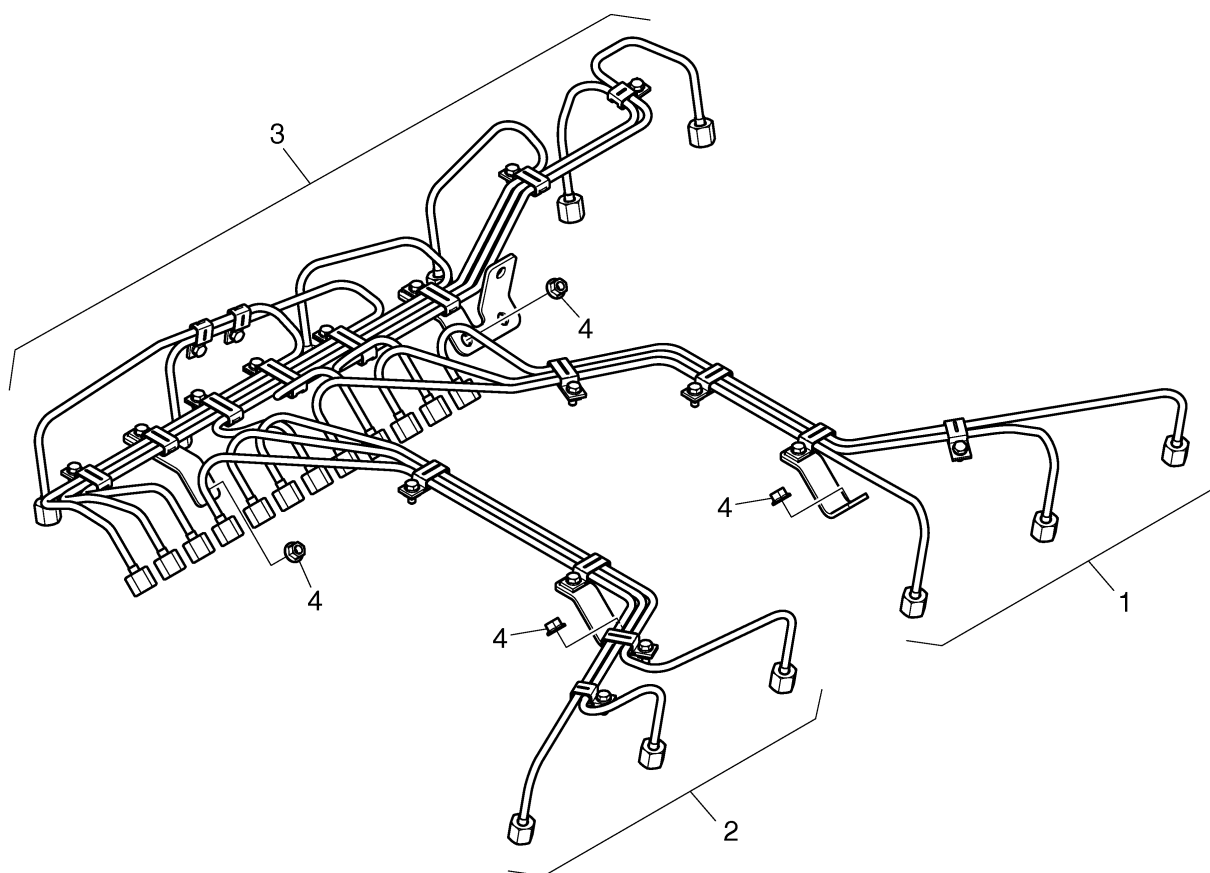


# INJECTION NOZZLE

| Key No. | Part No. | ICA |  | Description             | Q'ty | S.C | Adpated Date |
|---------|----------|-----|--|-------------------------|------|-----|--------------|
| 1       | 46686434 |     |  | HOLDER ASSY,NOZZLE      | 12   |     |              |
| 1-1     | 46686442 |     |  | NOZZLE,INJECTION        | 1    |     |              |
| 2       | 46686447 |     |  | SCREW KIT;PRESSURE      | 12   |     |              |
| 3       | NAP      | I   |  | RING;SEAL               | 12   |     | ~ 20140213   |
| 3       | 46687375 |     |  | SEALRING                | 12   |     | 20140214 ~   |
| 4       | 46687570 |     |  | SEAL;NOZZLE HOLDER HOLE | 12   |     |              |

## INJECTION PIPE

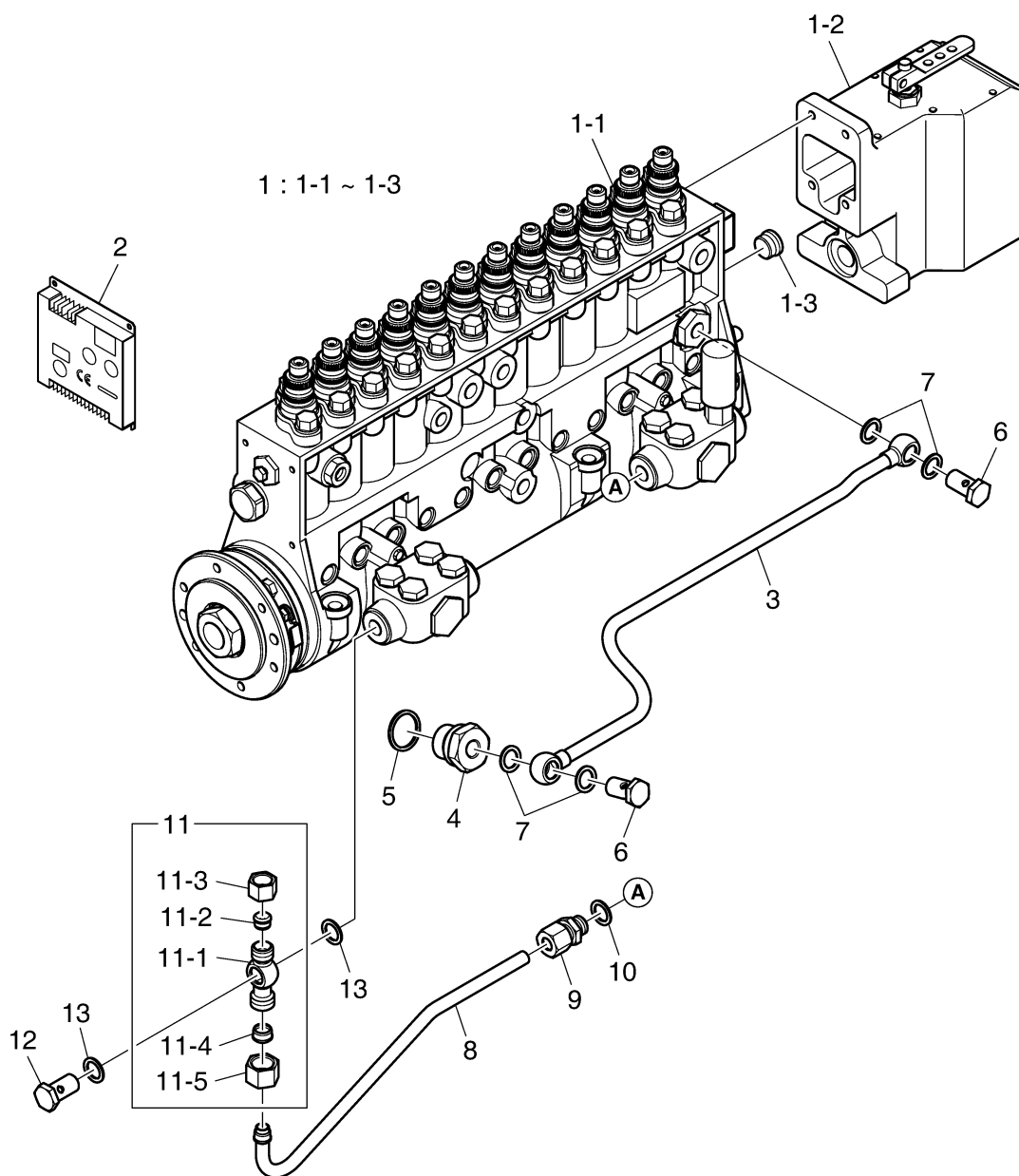
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# INJECTION PIPE

| Key No. | Part No. | ICA |  | Description         | Q'ty | S.C | Adpated Date |
|---------|----------|-----|--|---------------------|------|-----|--------------|
| 1       | NAP      |     |  | PIPE ASSY,INJECTION | 1    |     |              |
| 2       | NAP      |     |  | PIPE ASSY,INJECTION | 1    |     |              |
| 3       | NAP      | I   |  | PIPE ASSY,INJECTION | 1    |     | ~ 20140205   |
| 3       | NAP      |     |  | PIPE ASSY,INJECTION | 1    |     | 20140206 ~   |
| 4       | 46687058 |     |  | NUT                 | 4    |     |              |

# INJECTION PUMP



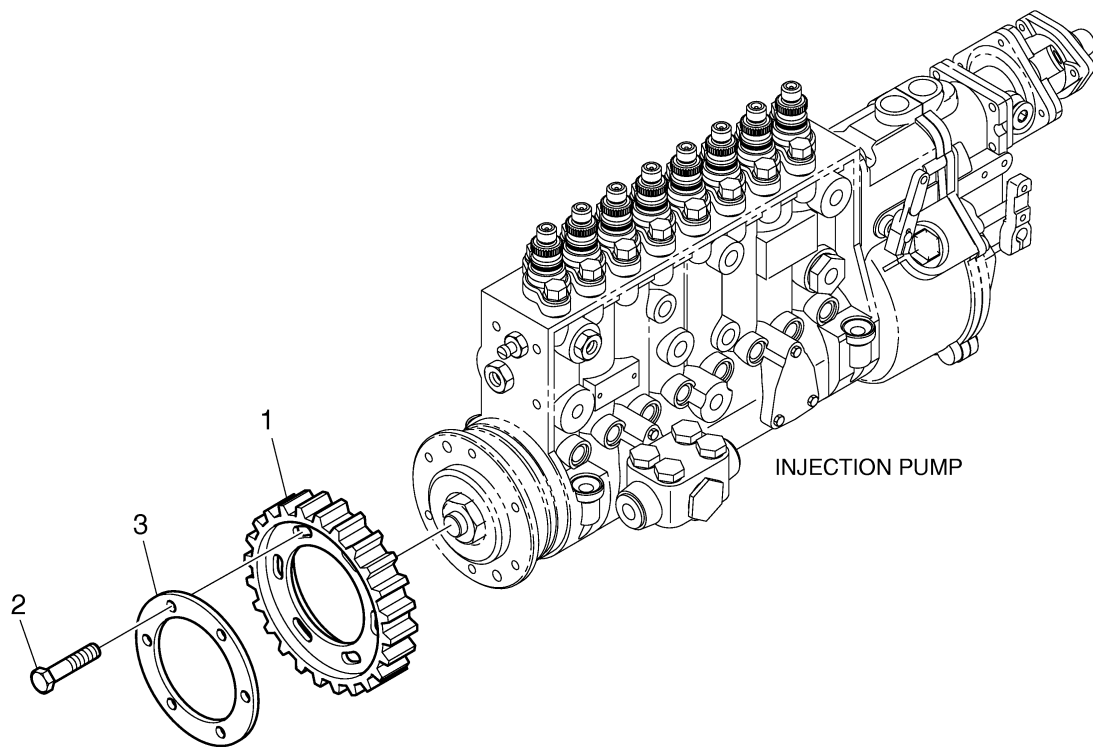
# INJECTION PUMP

| Key No. | Part No. | ICA | Description                    | Q'ty | S.C | Adpated Date |
|---------|----------|-----|--------------------------------|------|-----|--------------|
| 1       | NAP      | Y   | PUMP ASSY,INJECTION            | 1    |     |              |
| 1-1     | NAP      |     | PUMP,INJECTION                 | 1    |     |              |
| 1-2     | 46686612 |     | GOVERNOR ASSY                  | 1    |     |              |
| 1-3     | 46687036 |     | SCREW,PLUG                     | 1    |     |              |
| 2       | 46686565 |     | CONTROLLER;CYL,BODY TO BRG,CAP | 1    |     | ~ 20140213   |
| 2       | NAP      |     | CONTROLLER;CYL,BODY TO BRG,CAP | 1    |     | 20140214 ~   |
| 3       | NAP      |     | PIPE,OIL;FOR TURBO OIL RETURN  | 1    |     |              |
| 4       | 46687539 |     | ADAPTER;INJ. PUMP RETURN       | 1    |     |              |
| 5       | 46684368 |     | SEAL;RING                      | 1    |     |              |
| 6       | 46682758 |     | SCREW;HOLLOW                   | 2    |     |              |
| 7       | NAP      |     | SEAL RING                      | 4    |     |              |
| 8       | NAP      |     | PIPE,FUEL                      | 1    |     |              |
| 9       | NAP      |     | FITTING,PIPE;FITTING, PIPE     | 1    |     |              |
| 10      | NAP      |     | SEAL RING                      | 1    |     |              |
| 11      | NAP      |     | UNION ASSY,BANJO               | 1    |     |              |
| 11-1    | NAP      |     | UNION,BANJO                    | 1    | NS  |              |
| 11-2    | NAP      |     | RING,DIE                       | 1    | NS  |              |
| 11-3    | NAP      |     | NUT,UNION                      | 1    | NS  |              |
| 11-4    | NAP      |     | RING,DIE                       | 1    | NS  |              |
| 11-5    | NAP      |     | NUT,UNION                      | 1    | NS  |              |
| 12      | 46682758 |     | SCREW;HOLLOW                   | 1    |     |              |
| 13      | NAP      |     | SEAL RING                      | 2    |     |              |



## INJECTION PUMP DRIVE

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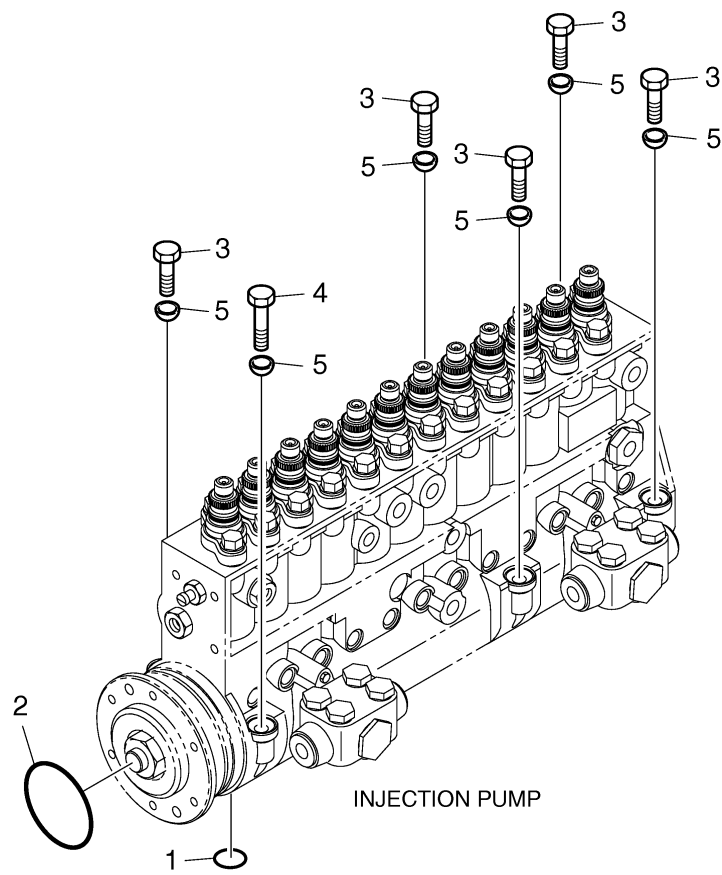


## INJECTION PUMP DRIVE

| Key No. | Part No. | ICA |  | Description                       | Q'ty | S.C | Adpated Date |
|---------|----------|-----|--|-----------------------------------|------|-----|--------------|
| 1       | 46686571 |     |  | GEAR,INJECTION PUMP DRIVE;GEAR,IN | 1    |     |              |
| 2       | 46683270 |     |  | BOLT;HEX. M8X18                   | 6    |     |              |
| 3       | 46685187 |     |  | WASHER,THRUST                     | 1    |     |              |

## INJECTION PUMP MOUNTING

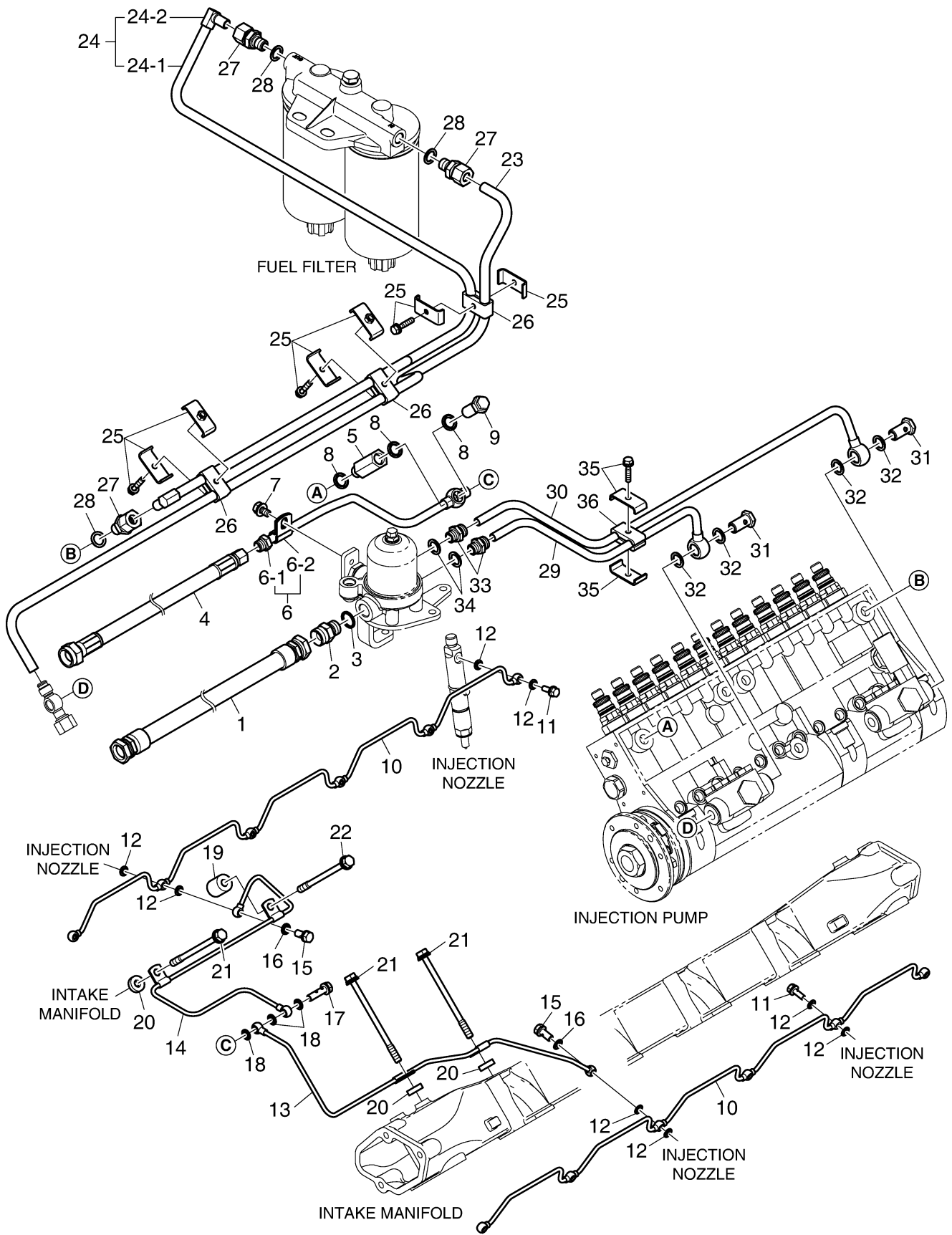
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## INJECTION PUMP MOUNTING

| Key No. | Part No. | ICA |  | Description               | Q'ty | S.C | Adpated Date |
|---------|----------|-----|--|---------------------------|------|-----|--------------|
| 1       | 46685157 |     |  | O-RING                    | 1    |     |              |
| 2       | 46685158 |     |  | O-RING                    | 1    |     |              |
| 3       | 46683269 |     |  | BOLT,HEX;EXHAUST MANIFOLD | 5    |     |              |
| 4       | 46683198 |     |  | BOLT;HEX. M10X100         | 1    |     |              |
| 5       | 46684244 |     |  | WASHER;BALL               | 6    |     |              |

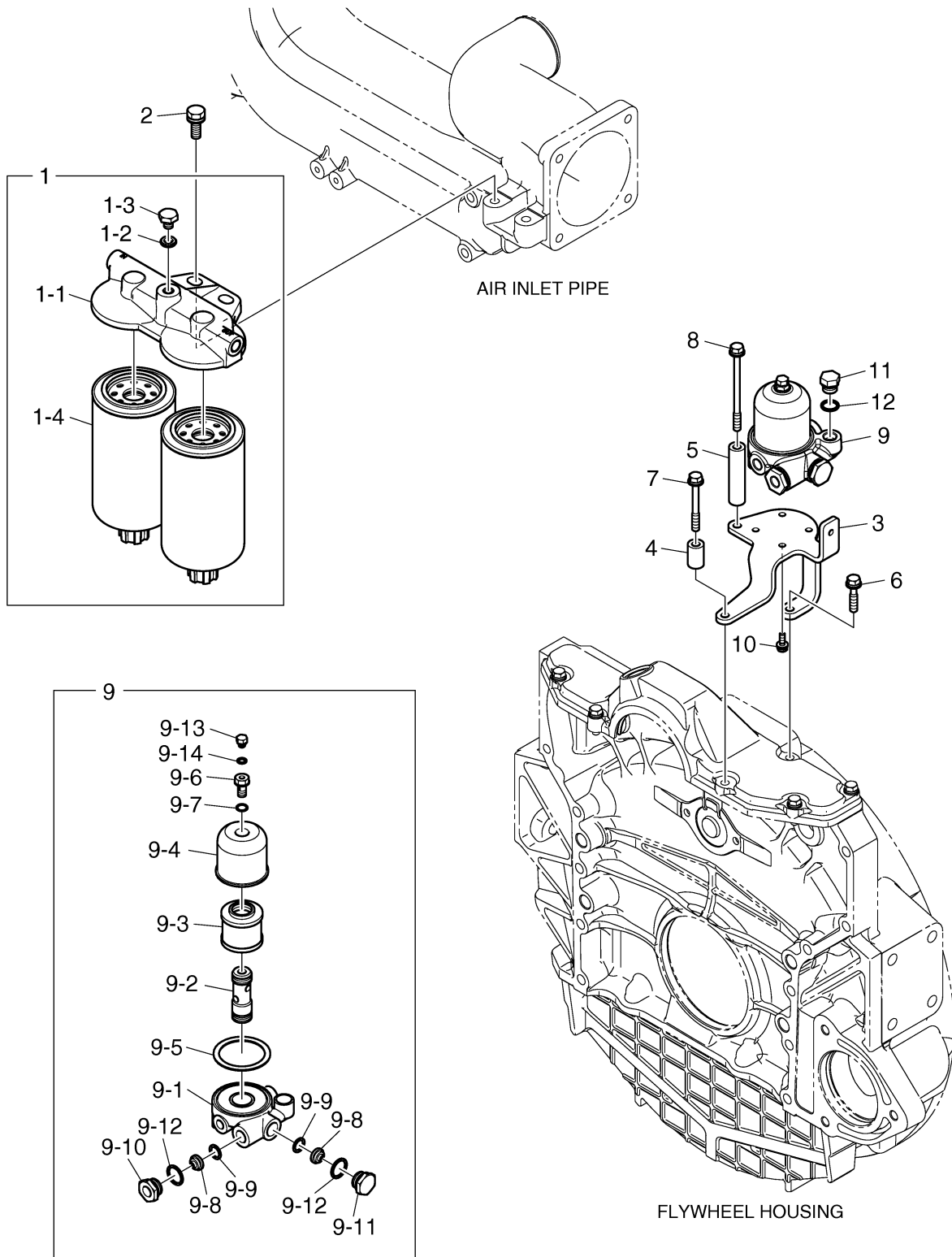
# FUEL LINE



# FUEL LINE

| Key No. | Part No. | ICA | Description                | Q'ty | S.C | Adpated Date |
|---------|----------|-----|----------------------------|------|-----|--------------|
| 1       | 46683170 |     | HOSE,RUBBER                | 1    | NS  |              |
| 2       | 46687554 |     | NIPPLE                     | 1    |     |              |
| 3       | 46684363 |     | RING;SEAL                  | 1    |     |              |
| 4       | 46683176 |     | HOSE,RUBBER;FUEL RETURN    | 1    |     |              |
| 5       | 46687545 |     | ADAPTER                    | 1    |     |              |
| 6       | NAP      |     | PIPE,FUEL RETURN           | 1    |     |              |
| 6-1     | NAP      |     | PIPE,FUEL RETURN           | 1    |     |              |
| 6-2     | 46687405 |     | CLIP;PIPE                  | 1    |     |              |
| 7       | 46683589 |     | BOLT, M8X16                | 1    |     |              |
| 8       | 46682964 |     | RING;SEAL                  | 3    |     |              |
| 9       | 46686559 |     | VALVE,OVERFLOW             | 1    |     |              |
| 10      | NAP      |     | PIPE,FUEL;OVER FLOW        | 2    |     |              |
| 11      | NAP      |     | SCREW,HOLLOW               | 10   |     |              |
| 12      | NAP      |     | SEALRING                   | 24   |     |              |
| 13      | NAP      |     | PIPE,FUEL RETURN           | 1    |     |              |
| 14      | NAP      |     | PIPE,FUEL RETURN           | 1    |     |              |
| 15      | NAP      |     | SCREW,HOLLOW               | 2    |     |              |
| 16      | NAP      |     | SEALRING                   | 2    |     |              |
| 17      | NAP      |     | SCREW,HOLLOW               | 1    |     |              |
| 18      | 46682961 |     | RING;SEAL                  | 3    |     |              |
| 19      | NAP      |     | SPACER                     | 1    |     |              |
| 20      | NAP      |     | SPACER                     | 3    |     |              |
| 21      | NAP      |     | BOLT,HEX                   | 3    |     |              |
| 22      | NAP      |     | BOLT;HEX.                  | 1    |     |              |
| 23      | NAP      |     | PIPE,FUEL                  | 1    |     |              |
| 24      | NAP      |     | PIPE,FUEL                  | 1    |     |              |
| 24-1    | NAP      |     | PIPE,FUEL                  | 1    |     |              |
| 24-2    | NAP      |     | CONNECTER,PIPE             | 2    |     |              |
| 25      | 46687418 |     | CLIP ASSY,PIPE             | 3    |     |              |
| 26      | NAP      |     | INSULATOR                  | 3    |     |              |
| 27      | NAP      |     | NIPPLE,UNION               | 3    |     |              |
| 28      | NAP      |     | SEAL RING                  | 3    |     |              |
| 29      | NAP      |     | PIPE,FUEL                  | 1    |     |              |
| 30      | NAP      |     | PIPE,FUEL                  | 1    |     |              |
| 31      | 46682758 |     | SCREW;HOLLOW               | 2    |     |              |
| 32      | NAP      |     | SEAL RING                  | 4    |     |              |
| 33      | NAP      |     | FITTING,PIPE;FITTING, PIPE | 2    |     |              |
| 34      | NAP      |     | SEAL RING                  | 2    |     |              |
| 35      | 46687418 |     | CLIP ASSY,PIPE             | 1    |     |              |
| 36      | 46684847 |     | INSULATOR                  | 1    |     |              |

# FUEL FILTER



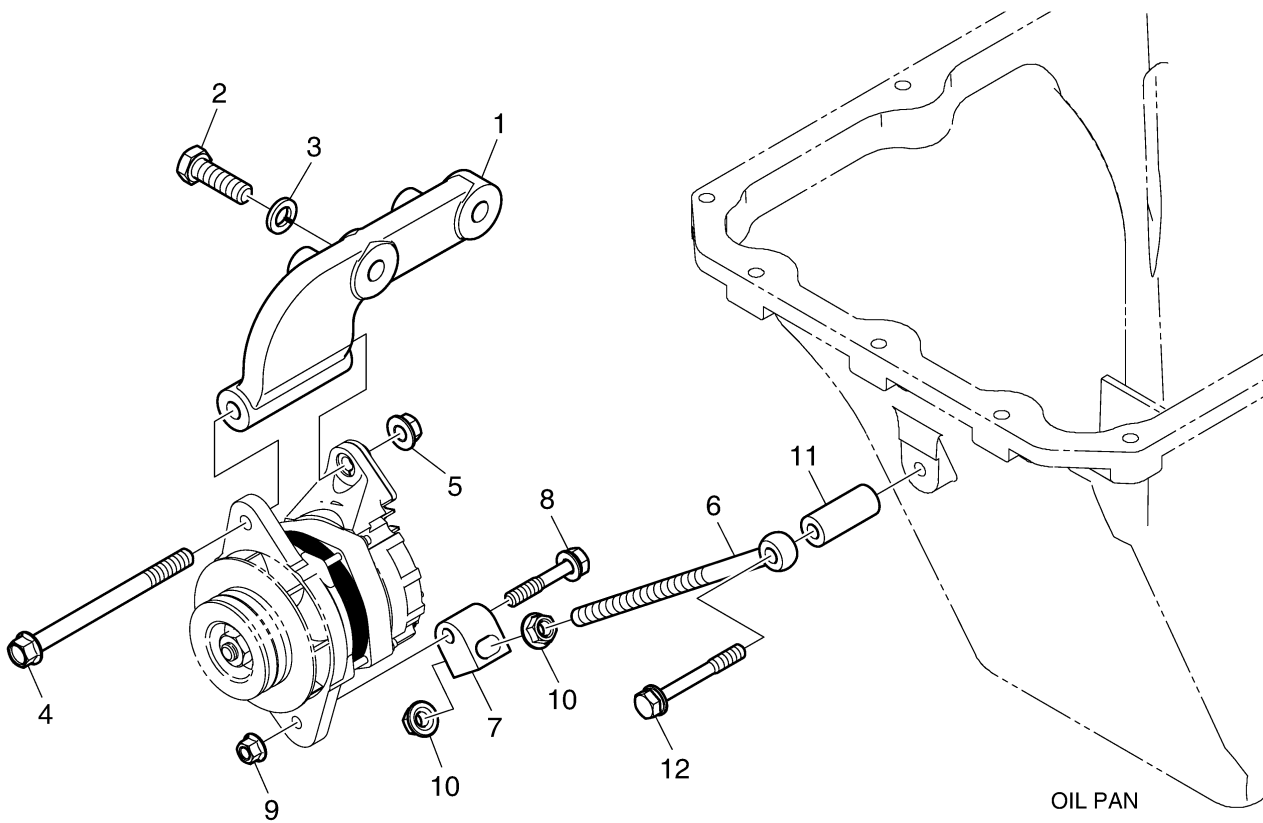
# FUEL FILTER

| Key No. | Part No. | ICA | Description                       | Q'ty | S.C | Adpated Date |
|---------|----------|-----|-----------------------------------|------|-----|--------------|
| 1       | NAP      | Y   | FILTER ASSY,FUEL                  | 1    |     | ~ 20140527   |
| 1       | NAP      |     | FILTER ASSY,FUEL;CYL,BODY TO BRG, | 1    |     | 20140528 ~   |
| 1-1     | NAP      |     | HEAD,FUEL FILTER                  | 1    |     | 20140528 ~   |
| 1-2     | NAP      |     | SEALRING                          | 1    | NS  | 20140528 ~   |
| 1-3     | NAP      |     | SCREW,PLUG                        | 1    | NS  | 20140528 ~   |
| 1-4     | 46686717 |     | ELEMENT,FUEL FILTER;CARTRDGE      | 2    |     | 20140528 ~   |
| 2       | 46683842 |     | BOLT ASS'Y M12X1.5X35             | 2    |     |              |
| 3       | 46686722 |     | BRACKET,FUEL FILTER               | 1    |     |              |
| 4       | 46696812 |     | SPACER                            | 1    |     |              |
| 5       | 46687192 |     | SPACER                            | 1    |     |              |
| 6       | 46683297 |     | BOLT ASS'Y M8X40                  | 1    |     |              |
| 7       | 46683301 |     | BOLT ASS'Y M8X70                  | 1    |     |              |
| 8       | 46683601 |     | BOLT ASS'Y M8X110                 | 1    |     |              |
| 9       | NAP      | I   | FILTER ASSY,FUEL                  | 1    |     | ~ 20150301   |
| 9       | 46686712 |     | FILTER ASSY,FUEL;CYL,BODY TO BRG, | 1    |     | 20150302 ~   |
| 9-1     | NAP      | I   | COVER,FUEL FILTER                 | 1    |     | ~ 20150301   |
| 9-1     | 46684493 |     | COVER,FUEL FILTER;CYL,BODY TO BRG | 1    |     | 20150302 ~   |
| 9-2     | 46683947 |     | BOLT;CENTER                       | 1    |     |              |
| 9-3     | 46684921 |     | ELEMENT,FUEL FILTER               | 1    |     |              |
| 9-4     | 46686714 |     | HOUSING,FILTER;FUEL               | 1    |     |              |
| 9-5     | 46686719 |     | PACKING                           | 1    |     |              |
| 9-6     | 46684551 |     | BOLT,STUD                         | 1    |     |              |
| 9-7     | 46687369 |     | RING,O                            | 1    |     |              |
| 9-8     | 46685294 |     | VALVE,CHECK                       | 2    |     |              |
| 9-9     | 46686720 |     | PACKING                           | 2    |     |              |
| 9-10    | 46687537 |     | ADAPTER;FOR WATER TEMP,SENSOR     | 1    |     |              |
| 9-11    | 46686947 |     | SCREW;PLUG M22X1.5                | 1    |     |              |
| 9-12    | 46684365 |     | RING;SEAL                         | 2    |     |              |
| 9-13    | 46687034 |     | SCREW,PLUG                        | 1    |     |              |
| 9-14    | 46684360 |     | RING;SEAL A8X12                   | 1    |     |              |
| 10      | NAP      |     | BOLT ASS'Y M6X18                  | 4    |     |              |
| 11      | 46683967 |     | SCREW,PLUG                        | 1    |     |              |
| 12      | 46684362 |     | RING;SEAL                         | 1    |     |              |



## ALTERNATOR MOUNTING

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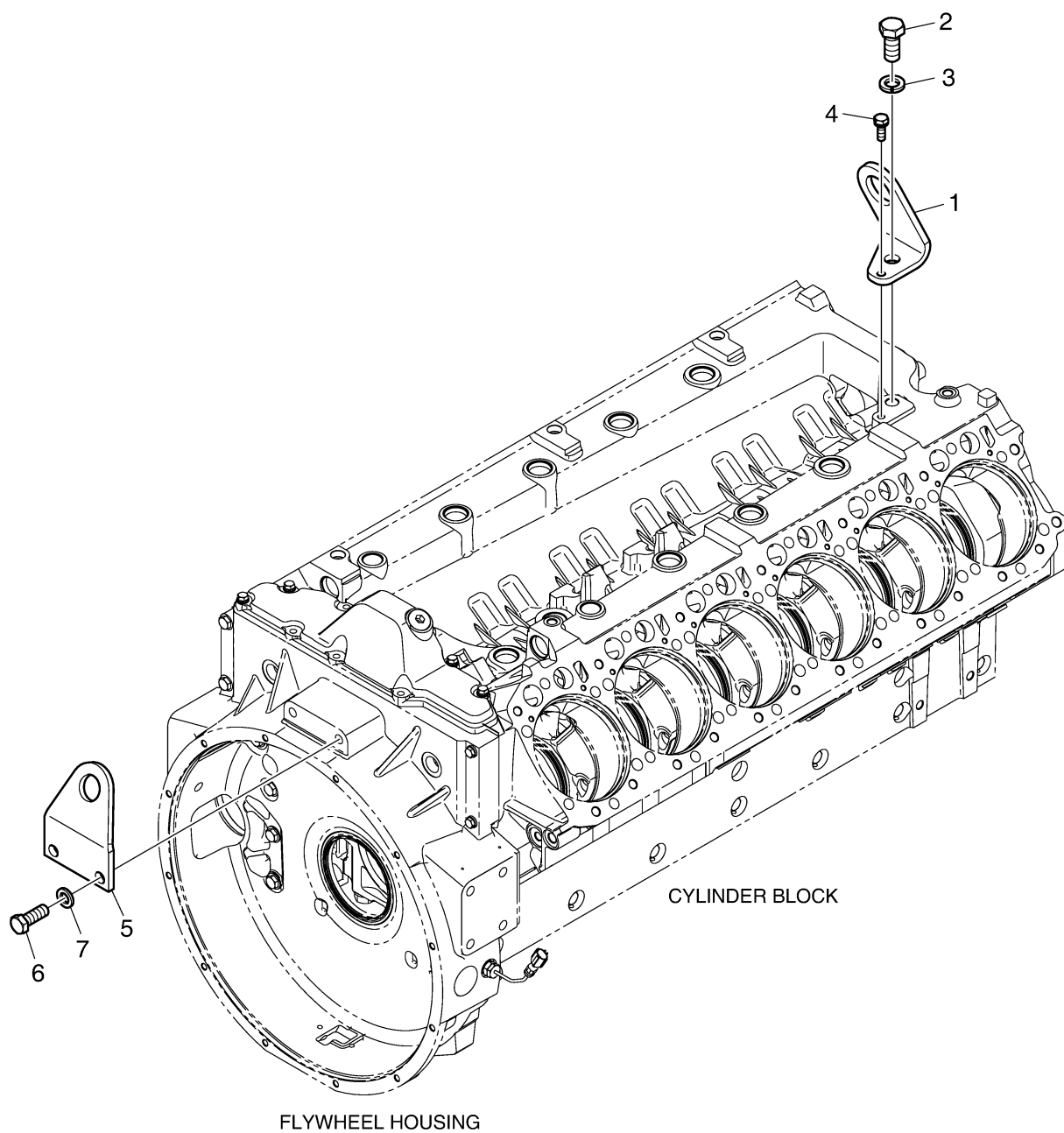


## ALTERNATOR MOUNTING

| Key No. | Part No. | ICA |  | Description                | Q'ty | S.C | Adpated Date |
|---------|----------|-----|--|----------------------------|------|-----|--------------|
| 1       | 46684397 |     |  | BRACKET,ALTERNATOR         | 1    |     |              |
| 2       | 46683271 |     |  | BOLT;HEX.                  | 2    |     |              |
| 3       | 46682731 |     |  | WASHER;SPRING              | 2    |     |              |
| 4       | 46682761 |     |  | BOLT,COLLARED HEX          | 1    |     |              |
| 5       | 46682941 |     |  | NUT;HEX M12X1.5            | 1    |     |              |
| 6       | 46686922 |     |  | BOLT,SPACER;FOR ALTERNATOR | 1    |     |              |
| 7       | 46684387 |     |  | PIECE,GUIDE                | 1    |     |              |
| 8       | 46683608 |     |  | BOLT ASSY                  | 1    |     |              |
| 9       | 46684621 |     |  | NUT,FLANGE                 | 1    |     |              |
| 10      | 46684623 |     |  | NUT,HEX FLANGE             | 2    |     |              |
| 11      | NAP      |     |  | SPACER                     | 1    |     |              |
| 12      | 46683191 |     |  | BOLT ASS'Y M10X85          | 1    |     |              |

## ENGINE LIFTING

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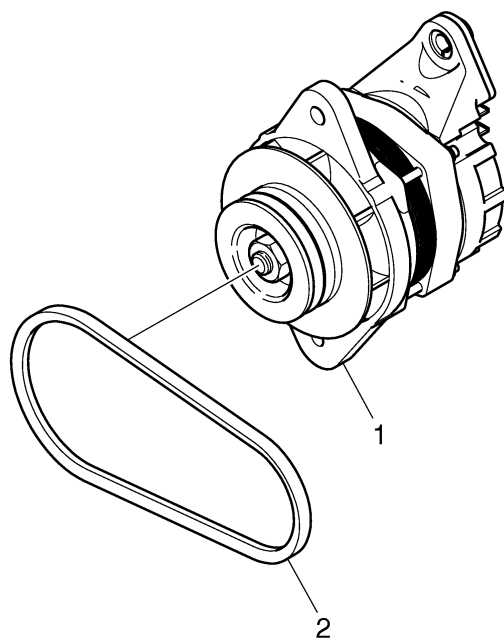


# ENGINE LIFTING

| Key No. | Part No. | ICA |  | Description       | Q'ty | S.C | Adpated Date |
|---------|----------|-----|--|-------------------|------|-----|--------------|
| 1       | 46684632 |     |  | HOOK,LIFTING      | 1    |     | ~ 20140113   |
| 1       | NAP      |     |  | HOOK,LIFTING      | 1    |     | 20140114 ~   |
| 2       | 46684542 |     |  | BOLT,HEX          | 1    |     |              |
| 3       | 46684255 |     |  | WASHER;SPRING A20 | 1    |     |              |
| 4       | 46683308 |     |  | BOLT M10X30       | 1    |     |              |
| 5       | 46684631 |     |  | HOOK,LIFTING      | 1    |     |              |
| 6       | 46686880 |     |  | BOLT;HEX. M16X45  | 2    |     |              |
| 7       | 46682732 |     |  | WASHER;SPRING     | 2    |     |              |

## ALTERNATOR

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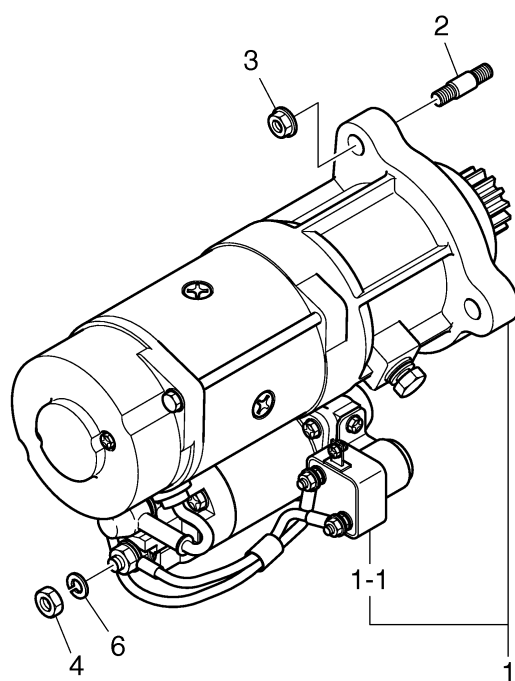


# ALTERNATOR

| Key No. | Part No. | ICA |  | Description | Q'ty | S.C | Adpated Date |
|---------|----------|-----|--|-------------|------|-----|--------------|
| 1       | 46684852 |     |  | ALTERNATOR  | 1    |     |              |
| 2       | 46684639 |     |  | BELT,V      | 2    |     | ~ 20130716   |
| 2       | 46684639 |     |  | BELT,V      | 1    |     | 20130717 ~   |

## STARTER

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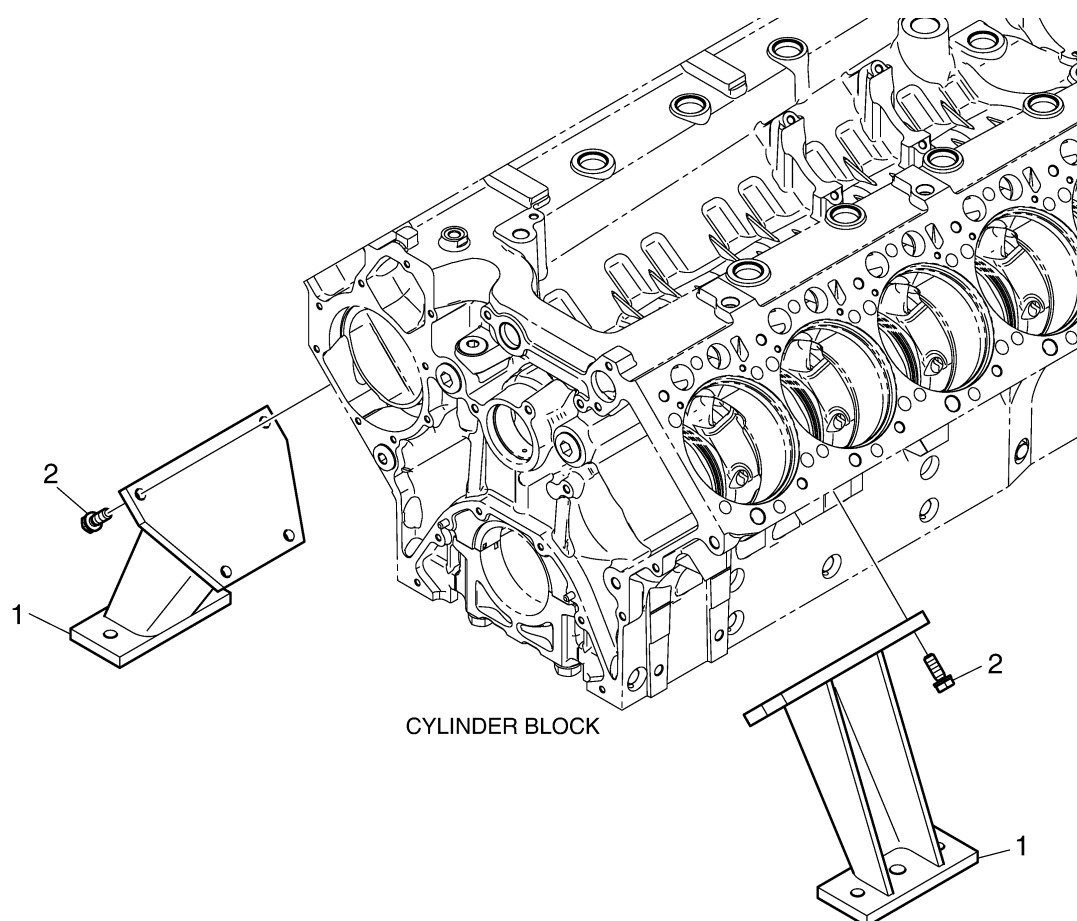
## STARTER

| Key No. | Part No. | ICA |  | Description                 | Q'ty | S.C | Adpated Date        |
|---------|----------|-----|--|-----------------------------|------|-----|---------------------|
| 1       | 46686756 | I   |  | STARTER(DAC)                | 1    |     | ~ 20130804          |
| 1       | NAP      |     |  | STARTER;CYL,BODY TO BRG,CAP | 1    |     | 20130805 ~ 20150413 |
| 1       | NAP      |     |  | STARTER;CYL,BODY TO BRG,CAP | 1    |     | 20150414 ~          |
| 1-1     | NAP      |     |  | RELAY,STARTER               | 1    |     | 20130805 ~          |
| 2       | 46686917 |     |  | BOLT;STUD M12X1.5X35        | 3    |     |                     |
| 3       | 46682941 |     |  | NUT;HEX M12X1.5             | 3    |     |                     |
| 4       | 46682375 |     |  | NUT;HEX. M10                | 1    |     |                     |
| 6       | 46682730 |     |  | WASHER;SPRING               | 1    |     |                     |



## ENGINE MOUNTING

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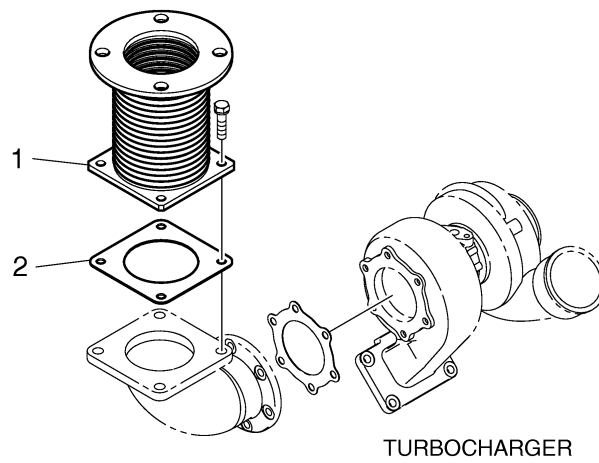


## ENGINE MOUNTING

| Key No. | Part No. | ICA |  | Description             | Q'ty | S.C | Adpated Date |
|---------|----------|-----|--|-------------------------|------|-----|--------------|
| 1       | 46684403 |     |  | BRACKET,ENGINE MOUNTING | 2    |     |              |
| 2       | 46683574 |     |  | BOLT ASSY,HEX           | 8    |     |              |

## ACCESSORIES

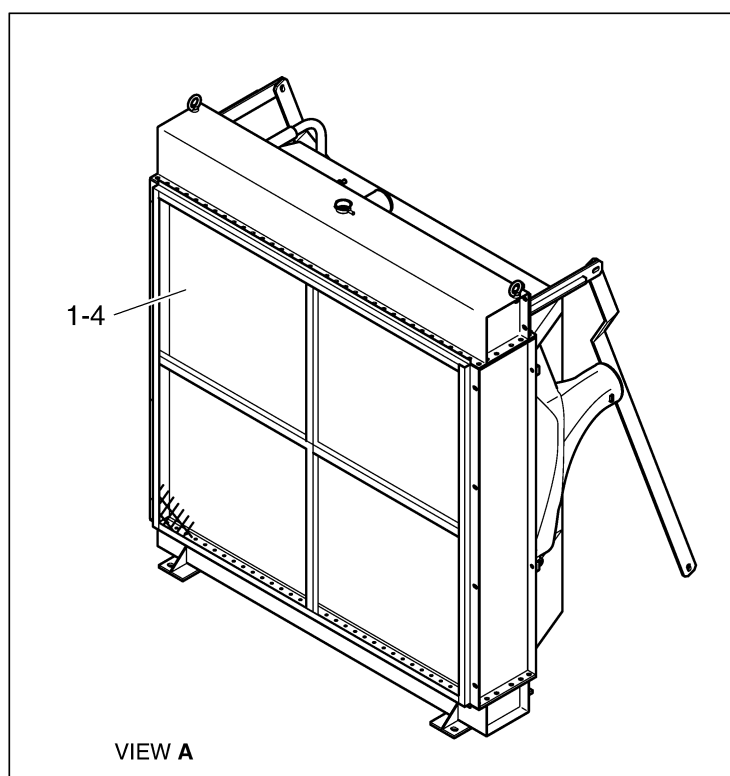
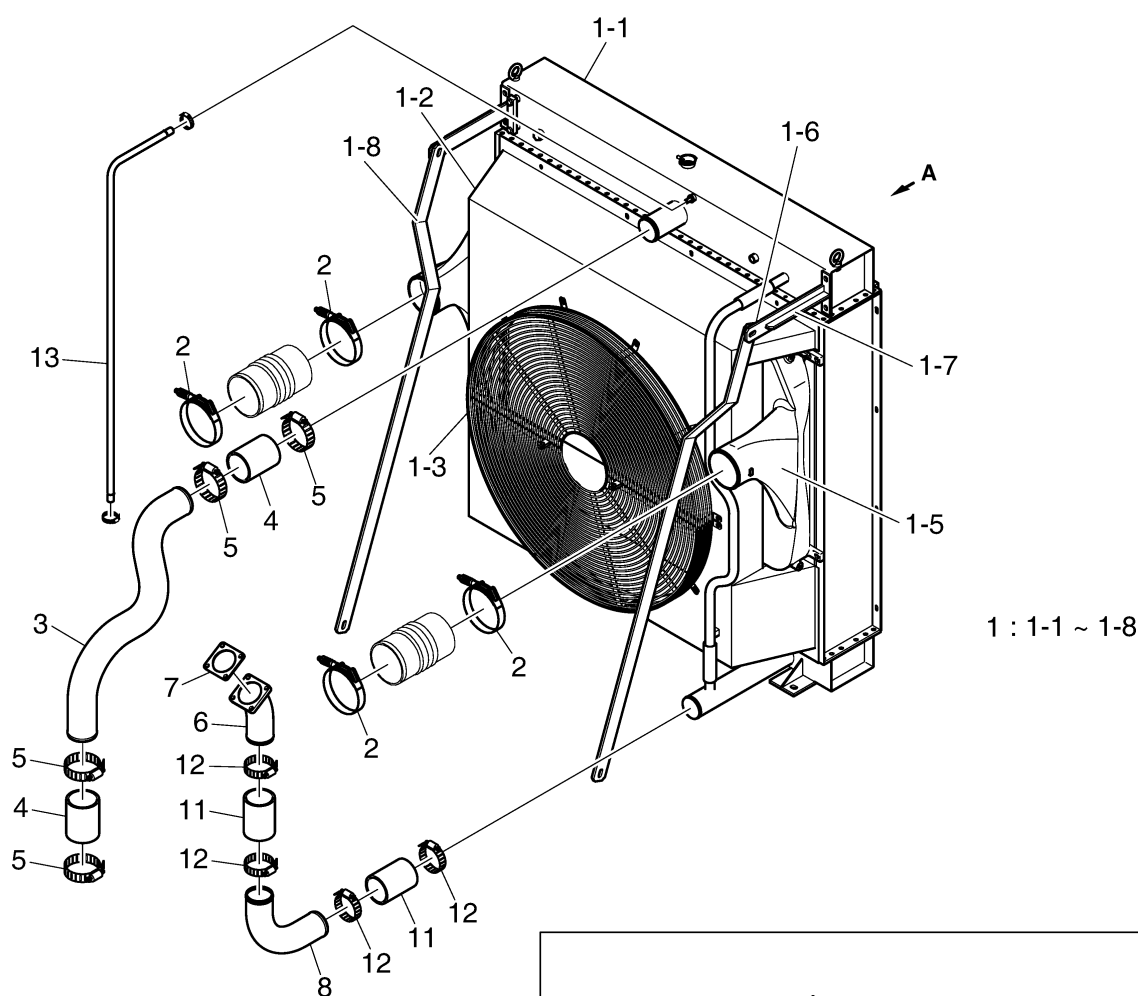
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## ACCESSORIES

| Key No. | Part No. | ICA |  | Description         | Q'ty | S.C | Adpated Date |
|---------|----------|-----|--|---------------------|------|-----|--------------|
| 1       | 46686724 |     |  | BELLOWS             | 2    |     |              |
| 2       | 46686430 |     |  | GASKET;EXHAUST PIPE | 2    |     |              |

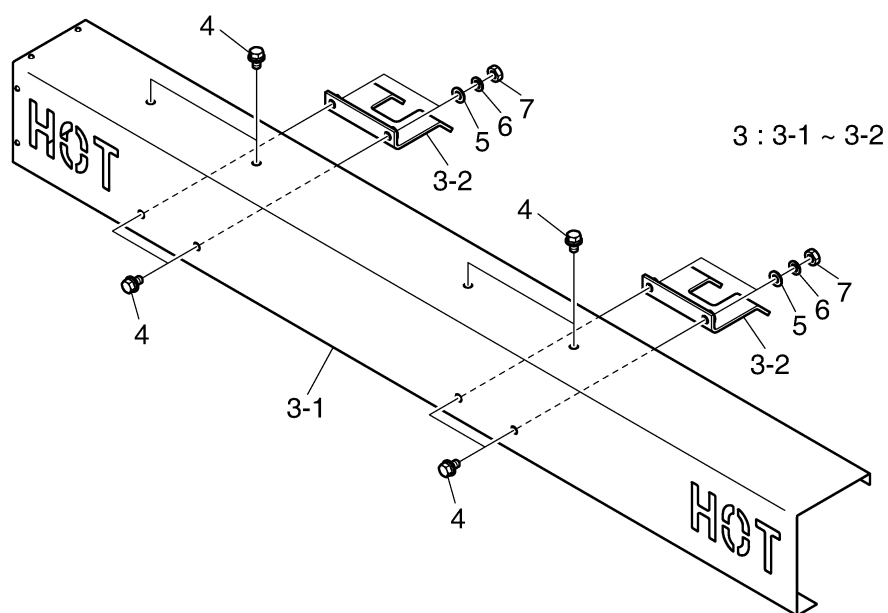
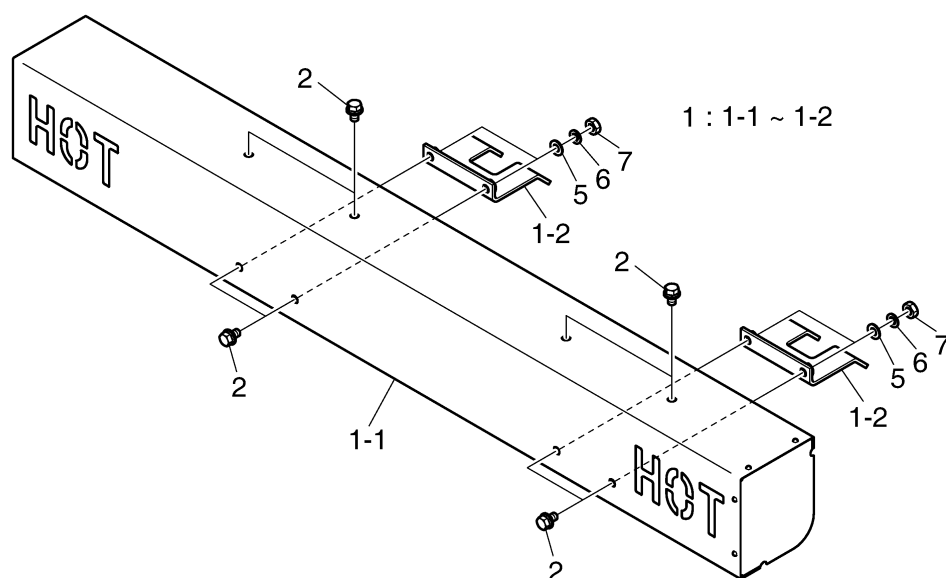
## ACCESSORIES



## ACCESSORIES

| Key No. | Part No. | ICA | Description               | Q'ty | S.C | Adpated Date |
|---------|----------|-----|---------------------------|------|-----|--------------|
| 1       | NAP      |     | RADIATOR ASSY             | 1    |     |              |
| 1-1     | NAP      |     | RADIATOR                  | 1    |     |              |
| 1-2     | NAP      |     | SHROUD,FAN                | 1    |     |              |
| 1-3     | NAP      |     | GUARD,FAN                 | 2    |     |              |
| 1-4     | NAP      |     | GUARD,RADIATOR            | 1    |     |              |
| 1-5     | NAP      |     | INTERCOOLER ASSY          | 1    |     |              |
| 1-6     | NAP      |     | PIPE,EXPANSION            | 1    |     |              |
| 1-7     | NAP      |     | SUPPORT,RADIATOR          | 2    |     |              |
| 1-8     | NAP      |     | SUPPORT,RADIATOR          | 2    |     |              |
| 2       | 46687413 |     | CLIP,PIPE;FLEX SEAL CLAMP | 4    |     |              |
| 3       | 46685047 |     | PIPE,COOLING WATER        | 1    |     | ~ 20141113   |
| 3       | NAP      |     | PIPE,COOLING WATER        | 1    |     | 20141114 ~   |
| 4       | 46687243 | I   | HOSE,RUBBER               | 2    |     | ~ 20141113   |
| 4       | NAP      |     | HOSE,COOLING WATER        | 2    |     | 20141114 ~   |
| 5       | 46682757 |     | CLAMP;HOSE                | 4    |     | ~ 20141113   |
| 5       | NAP      |     | CLAMP,HOSE                | 4    |     | 20141114 ~   |
| 6       | 46685048 |     | PIPE,COOLING WATER        | 1    |     |              |
| 7       | 46686023 |     | GASKET;COOLING WATER      | 1    |     |              |
| 8       | 46685045 |     | PIPE,COOLING WATER        | 1    |     |              |
| 11      | 46687352 |     | HOSE,RUBBER               | 2    |     | ~ 20141113   |
| 11      | NAP      |     | HOSE,COOLING WATER        | 2    |     | 20141114 ~   |
| 12      | 46684379 |     | CLAMP;HOSE                | 4    |     | ~ 20141113   |
| 12      | NAP      |     | CLAMP,HOSE                | 4    |     | 20141114 ~   |
| 13      | 46683169 |     | HOSE,RUBBER               | 1    |     |              |

## ACCESSORIES



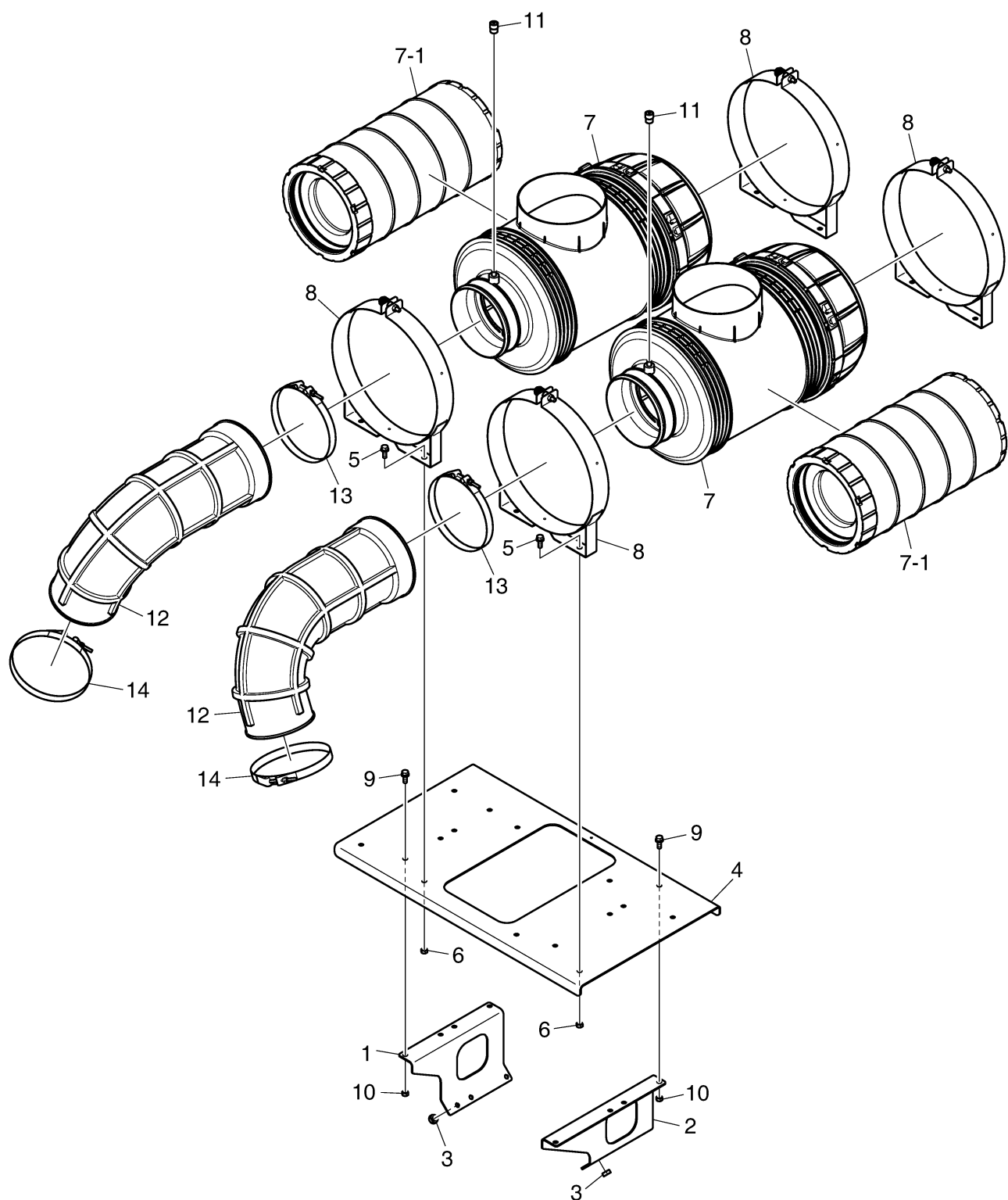
## ACCESSORIES

| Key No. | Part No. | ICA |  | Description      | Q'ty | S.C | Adpated Date |
|---------|----------|-----|--|------------------|------|-----|--------------|
| 1       | NAP      | I   |  | SCREEN ASSY,HEAT | 1    |     | ~ 20140312   |
| 1       | NAP      |     |  | SCREEN ASSY,HEAT | 1    |     | 20140313 ~   |
| 1-1     | NAP      |     |  | SCREEN,HEAT      | 1    | NS  | ~ 20140312   |
| 1-1     | NAP      |     |  | SCREEN,HEAT      | 1    | NS  | 20140313 ~   |
| 1-2     | 46687510 |     |  | HOLDER           | 2    | NS  |              |
| 2       | 46683589 |     |  | BOLT, M8X16      | 8    |     |              |
| 3       | NAP      |     |  | SCREEN ASSY,HEAT | 1    |     |              |
| 3-1     | NAP      |     |  | SCREEN,HEAT      | 1    | NS  |              |
| 3-2     | 46687510 |     |  | HOLDER           | 2    | NS  |              |
| 4       | 46683589 |     |  | BOLT, M8X16      | 8    |     |              |
| 5       | 46682724 |     |  | WASHER;PLAIN     | 8    |     |              |
| 6       | 46682730 |     |  | WASHER;SPRING    | 8    |     |              |
| 7       | 46682375 |     |  | NUT;HEX. M10     | 8    |     |              |



## ACCESSORIES

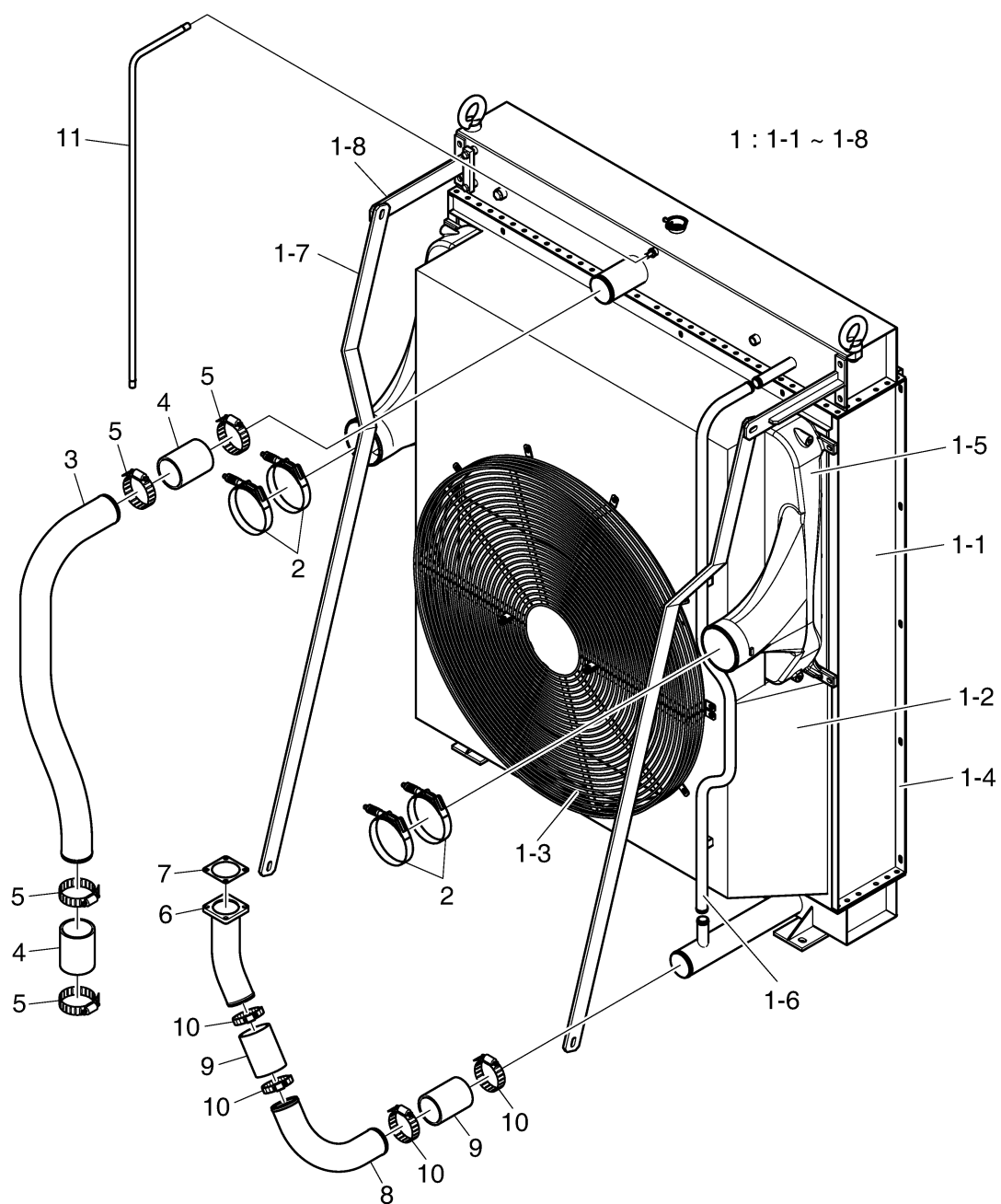
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## ACCESSORIES

| Key No. | Part No. | ICA | Description                  | Q'ty | S.C | Adpated Date |
|---------|----------|-----|------------------------------|------|-----|--------------|
| 1       | NAP      |     | BRACKET,AIR CLEANER          | 1    |     |              |
| 2       | NAP      |     | BRACKET,AIR CLEANER          | 1    |     |              |
| 3       | 46687058 |     | NUT                          | 6    |     |              |
| 4       | NAP      |     | BRACKET,AIR CLEANER          | 1    |     |              |
| 5       | 46683591 |     | BOLT ASS'Y M8X25             | 8    |     |              |
| 6       | 46684625 |     | NUT,HEX                      | 8    |     |              |
| 7       | NAP      |     | CLEANER ASSY,AIR             | 2    |     |              |
| 7-1     | NAP      |     | ELEMENT,AIR CLEANER          | 1    |     |              |
| 8       | NAP      |     | BRACKET,AIR CLEANER MOUNTING | 4    |     |              |
| 9       | 46683591 |     | BOLT ASS'Y M8X25             | 8    |     |              |
| 10      | 46684625 |     | NUT,HEX                      | 8    |     |              |
| 11      | 46682989 |     | INDICATOR;SERVICE            | 2    |     |              |
| 12      | NAP      |     | HOSE,AIR CLEANER             | 2    |     | ~ 20150429   |
| 12      | NAP      |     | HOSE,AIR CLEANER             | 2    |     | 20150430 ~   |
| 13      | NAP      |     | CLAMP                        | 2    |     | ~ 20150429   |
| 13      | NAP      |     | CLAMP,HOSE                   | 2    |     | 20150430 ~   |
| 14      | NAP      |     | CLAMP                        | 2    |     | ~ 20150429   |
| 14      | NAP      |     | CLAMP,HOSE                   | 2    |     | 20150430 ~   |

## ACCESSORIES

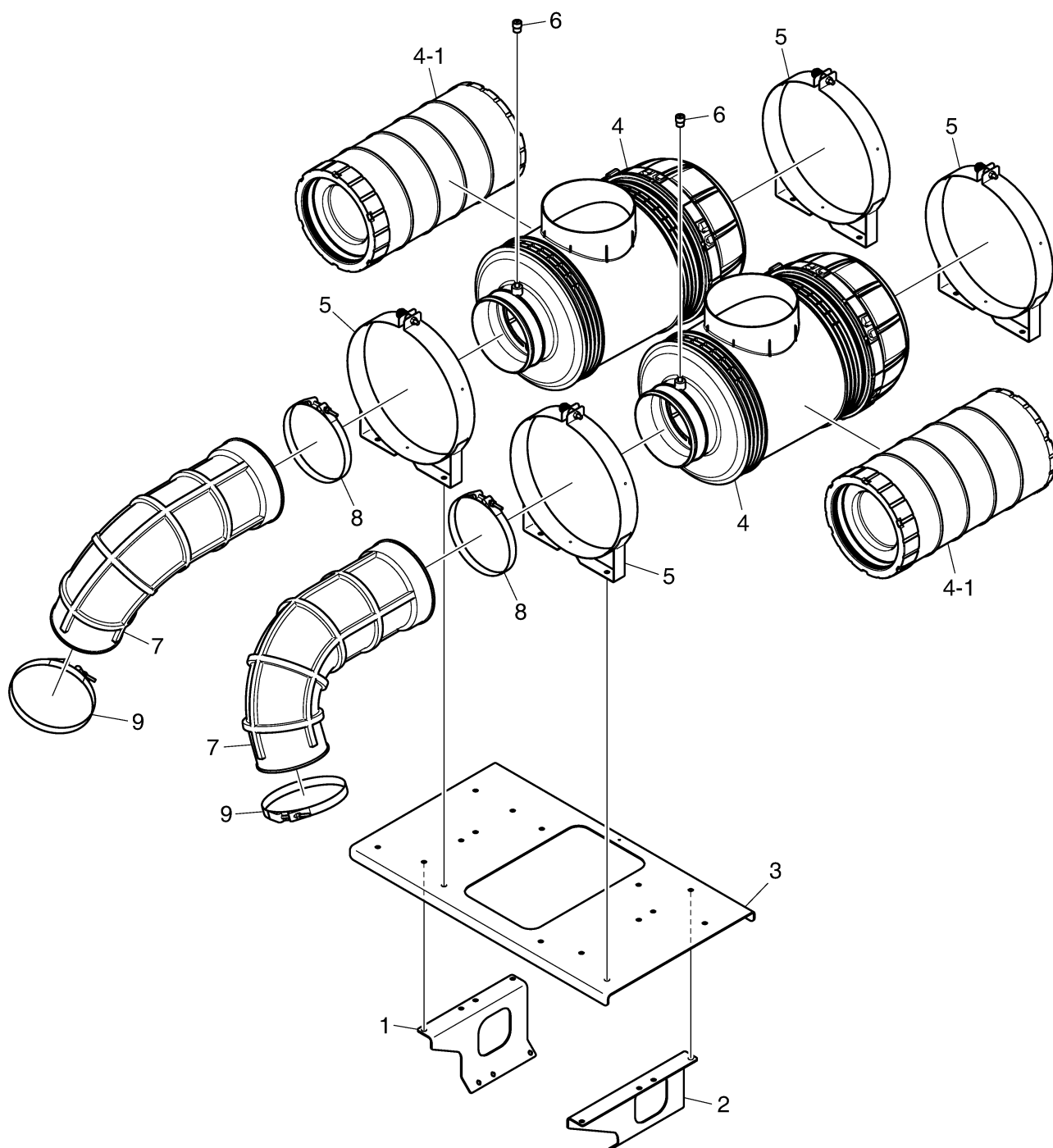


## ACCESSORIES

| Key No. | Part No. | ICA | Description               | Q'ty | S.C | Adpated Date |
|---------|----------|-----|---------------------------|------|-----|--------------|
| 1       | NAP      |     | RADIATOR ASSY             | 1    |     |              |
| 1-1     | NAP      |     | RADIATOR                  | 1    |     |              |
| 1-2     | NAP      |     | SHROUD,FAN                | 1    |     |              |
| 1-3     | NAP      |     | GUARD,FAN                 | 1    |     |              |
| 1-4     | NAP      |     | GUARD,RADIATOR            | 1    |     |              |
| 1-5     | NAP      |     | INTERCOOLER ASSY          | 1    |     |              |
| 1-6     | NAP      |     | PIPE,EXPANSION            | 1    |     |              |
| 1-7     | NAP      |     | SUPPORT,RADIATOR          | 1    |     |              |
| 1-8     | NAP      |     | SUPPORT,RADIATOR          | 1    |     |              |
| 2       | 46687413 |     | CLIP,PIPE,FLEX SEAL CLAMP | 4    |     |              |
| 3       | NAP      |     | PIPE,COOLING WATER        | 1    |     | ~ 20141113   |
| 3       | NAP      |     | PIPE,COOLING WATER        | 1    |     | 20141114 ~   |
| 4       | 46687243 | I   | HOSE,RUBBER               | 2    |     | ~ 20141113   |
| 4       | NAP      |     | HOSE,COOLING WATER        | 2    |     | 20141114 ~   |
| 5       | 46682757 |     | CLAMP;HOSE                | 4    |     | ~ 20141113   |
| 5       | NAP      |     | CLAMP,HOSE                | 4    |     | 20141114 ~   |
| 6       | NAP      |     | PIPE,COOLING WATER        | 1    |     |              |
| 7       | 46686023 |     | GASKET;COOLING WATER      | 1    |     |              |
| 8       | 46685045 |     | PIPE,COOLING WATER        | 1    |     |              |
| 9       | 46687352 |     | HOSE,RUBBER               | 2    |     | ~ 20141113   |
| 9       | NAP      |     | HOSE,COOLING WATER        | 2    |     | 20141114 ~   |
| 10      | 46684379 |     | CLAMP;HOSE                | 4    |     | ~ 20141113   |
| 10      | NAP      |     | CLAMP,HOSE                | 4    |     | 20141114 ~   |
| 11      | NAP      |     | HOSE,AIR                  | 1    |     |              |

## ACCESSORIES

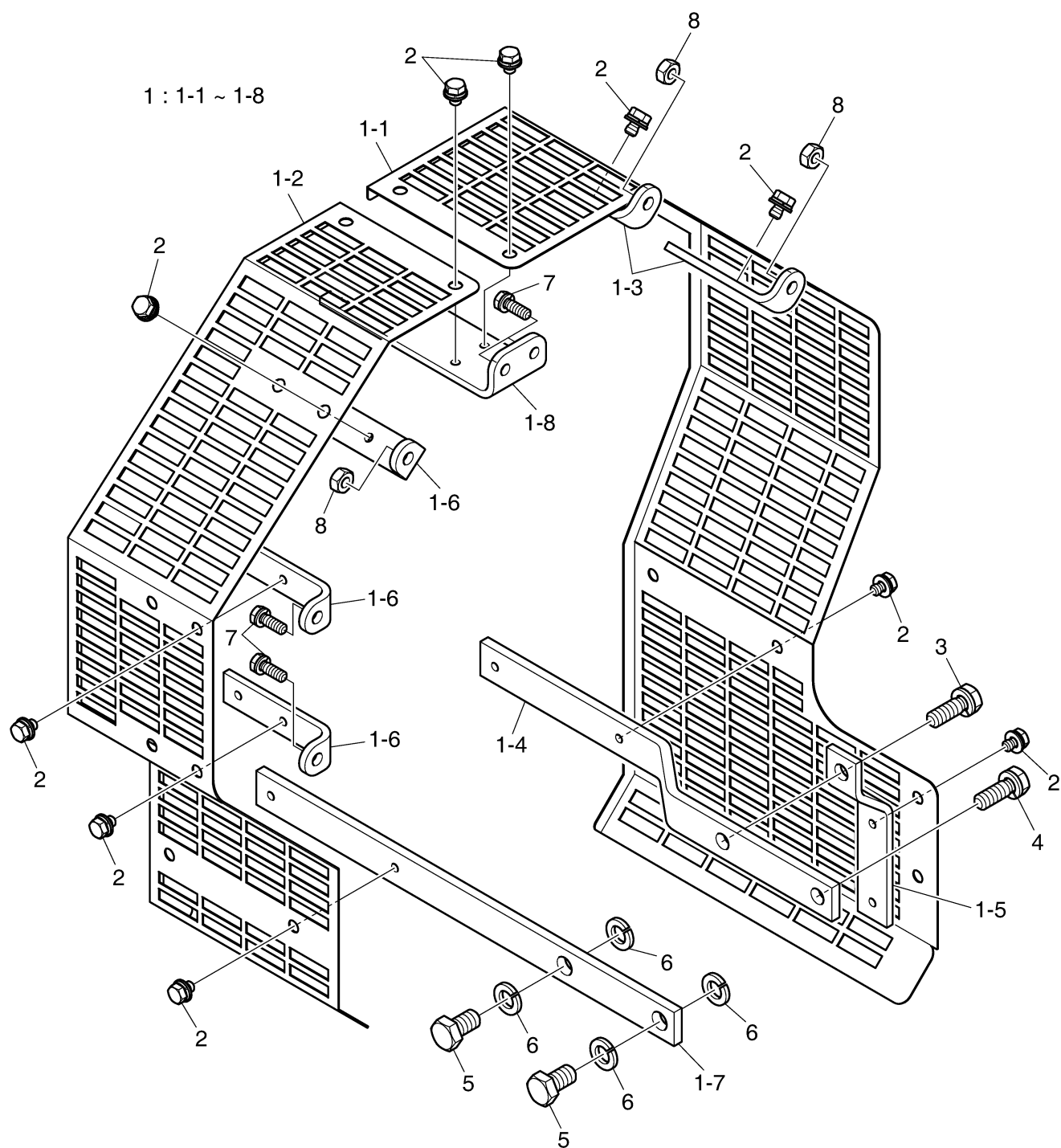
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## ACCESSORIES

| Key No. | Part No. | ICA |  | Description                  | Q'ty | S.C | Adpated Date |
|---------|----------|-----|--|------------------------------|------|-----|--------------|
| 1       | NAP      |     |  | BRACKET,AIR CLEANER          | 1    |     |              |
| 2       | NAP      |     |  | BRACKET,AIR CLEANER          | 1    |     |              |
| 3       | NAP      |     |  | BRACKET,AIR CLEANER          | 1    |     |              |
| 4       | NAP      |     |  | CLEANER ASSY,AIR             | 2    |     |              |
| 4-1     | NAP      |     |  | ELEMENT,AIR CLEANER          | 1    |     |              |
| 5       | NAP      |     |  | BRACKET,AIR CLEANER MOUNTING | 4    |     |              |
| 6       | 46682989 |     |  | INDICATOR;SERVICE            | 2    |     |              |
| 7       | NAP      |     |  | HOSE,AIR CLEANER             | 2    |     | ~ 20150429   |
| 7       | NAP      |     |  | HOSE,AIR CLEANER             | 2    |     | 20150430 ~   |
| 8       | NAP      |     |  | CLAMP                        | 2    |     | ~ 20150429   |
| 8       | NAP      |     |  | CLAMP,HOSE                   | 2    |     | 20150430 ~   |
| 9       | NAP      |     |  | CLAMP                        | 2    |     | ~ 20150429   |
| 9       | NAP      |     |  | CLAMP,HOSE                   | 2    |     | 20150430 ~   |

## ACCESSORIES



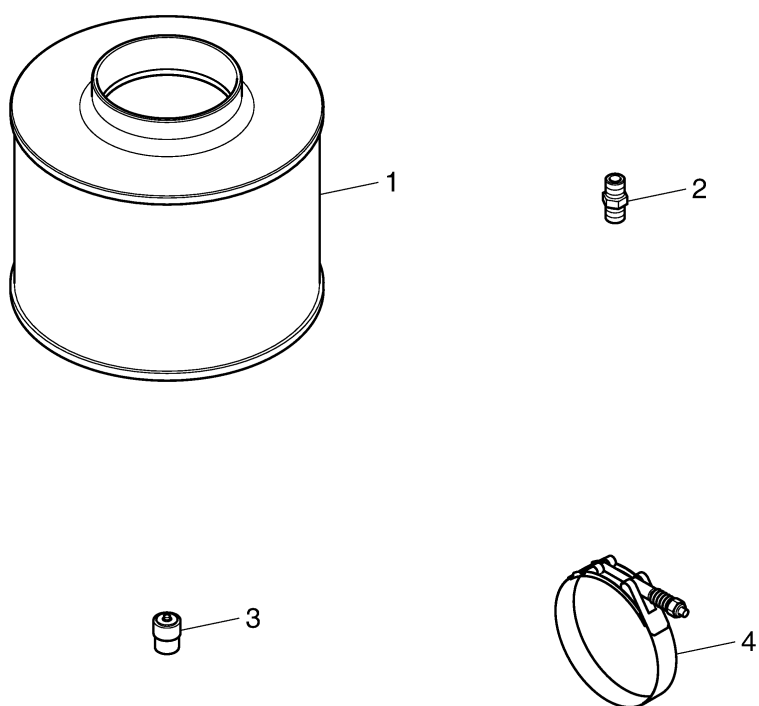
## ACCESSORIES

| Key No. | Part No. | ICA |  | Description      | Q'ty | S.C | Adpated Date |
|---------|----------|-----|--|------------------|------|-----|--------------|
| 1       | 46684490 |     |  | COVER ASSY,FAN   | 1    |     |              |
| 1-1     | 46684491 |     |  | COVER,FAN        | 1    |     |              |
| 1-2     | 46684489 |     |  | COVER,FAN        | 1    |     |              |
| 1-3     | 46684496 |     |  | COVER,BRACKET    | 2    |     |              |
| 1-4     | 46684497 |     |  | COVER,BRACKET    | 1    |     |              |
| 1-5     | 46684498 |     |  | COVER,BRACKET    | 1    |     |              |
| 1-6     | 46684500 |     |  | COVER,BRACKET    | 3    |     |              |
| 1-7     | 46684501 |     |  | COVER,BRACKET    | 1    |     |              |
| 1-8     | 46685133 |     |  | JOINT,COVER      | 1    |     |              |
| 2       | 46683597 |     |  | BOLT ASS'Y M8X12 | 20   |     |              |
| 3       | 46683582 |     |  | BOLT ASSY,HEX    | 1    |     |              |
| 4       | 46683614 |     |  | BOLT ASSY,HEX    | 1    |     |              |
| 5       | 46686877 |     |  | BOLT,HEX         | 2    |     |              |
| 6       | 46682731 |     |  | WASHER,SPRING    | 4    |     |              |
| 7       | 46682794 |     |  | BOLT ASS'Y M8X22 | 4    |     |              |
| 8       | 46687058 |     |  | NUT              | 3    |     |              |



## ACCESSORIES

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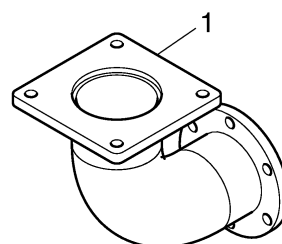
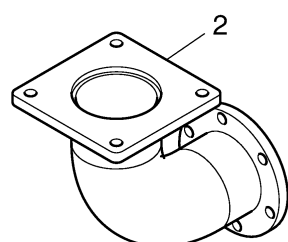


## ACCESSORIES

| Key No. | Part No. | ICA |  | Description       | Q'ty | S.C | Adpated Date |
|---------|----------|-----|--|-------------------|------|-----|--------------|
| 1       | NAP      |     |  | CLEANER ASSY,AIR  | 2    |     |              |
| 2       | 46687557 |     |  | NIPPLE            | 2    |     |              |
| 3       | 46682989 |     |  | INDICATOR;SERVICE | 2    |     |              |
| 4       | NAP      |     |  | CLAMP             | 2    |     |              |

## ACCESSORIES

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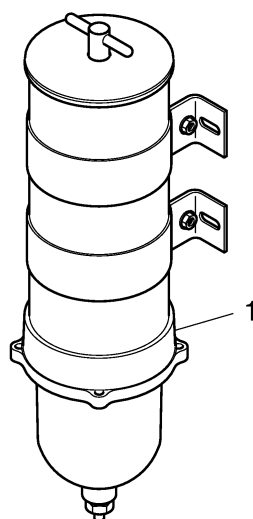


## ACCESSORIES

| Key No. | Part No. | ICA |  | Description   | Q'ty | S.C | Adpated Date |
|---------|----------|-----|--|---------------|------|-----|--------------|
| 1       | 46685130 |     |  | ELBOW,EXHAUST | 1    |     |              |
| 2       | 46685128 |     |  | ELBOW,EXHAUST | 1    |     |              |

## SPARE PART

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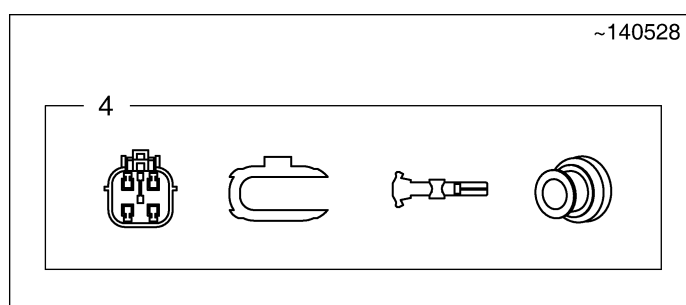
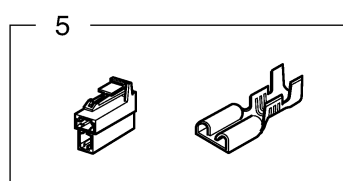
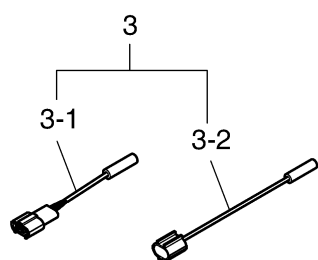
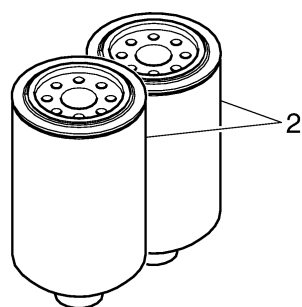
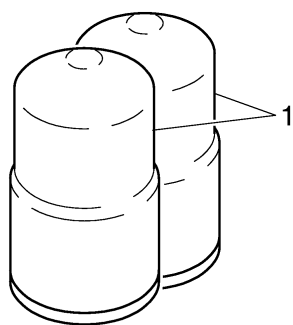


## SPARE PART

| Key No. | Part No. | ICA |  | Description      | Q'ty | S.C | Adpated Date |
|---------|----------|-----|--|------------------|------|-----|--------------|
| 1       | NAP      |     |  | FILTER ASSY,FUEL | 1    |     |              |

## SPARE PART

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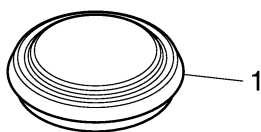
## SPARE PART

| Key No. | Part No. | ICA |  | Description                       | Q'ty | S.C | Adpated Date |
|---------|----------|-----|--|-----------------------------------|------|-----|--------------|
| 1       | 46685859 |     |  | CARTRIDGE;OIL FILTER              | 2    |     |              |
| 2       | 46686715 |     |  | ELEMENT;E/G FUEL FILTER           | 2    |     | ~ 20140527   |
| 2       | 46686717 |     |  | ELEMENT,FUEL FILTER;CARTRDGE      | 2    |     | 20140528 ~   |
| 3       | 46686769 |     |  | WIRE,ELECTRIC;FOR GENERATOR SET   | 1    |     |              |
| 3-1     | 46686771 |     |  | WIRE,ELECTRIC;FOR GOVERNOR ACTU   | 1    |     |              |
| 3-2     | 46686770 |     |  | WIRE,ELECTRIC;FOR MAGNETIC PICK-U | 1    |     |              |
| 4       | 46686764 |     |  | CONNECTER;OIL PRESSURE SENSOR     | 1    |     | ~ 20140528   |
| 5       | 46682905 |     |  | CONNECTER;ALTERNATOR              | 1    |     | 20150302 ~   |



## SPARE PART

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## SPARE PART

| Key No. | Part No. | ICA |  | Description | Q'ty | S.C | Adpated Date |
|---------|----------|-----|--|-------------|------|-----|--------------|
| 1       | NAP      |     |  | CAP,RAIN    | 2    |     |              |