

QAS38 YdS TNV

ATLAS COPCO - PORTABLE AIR DIVISION
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SAFETY PRECAUTIONS FOR PORTABLE GENERATORS

To be read attentively and acted accordingly before towing, lifting, operating, performing maintenance or repairing the generator.

INTRODUCTION

The policy of Atlas Copco is to provide the users of their equipment with safe, reliable and efficient products. Factors taken into account are among others:

- the intended and predictable future use of the products, and the environments in which they are expected to operate,
- applicable rules, codes and regulations,
- the expected useful product life, assuming proper service and maintenance,
- providing the manual with up-to-date information.

Before handling any product, take time to read the relevant instruction manual. Besides giving detailed operating instructions, it also gives specific information about safety, preventive maintenance, etc. Keep the manual always at the unit location, easy accessible to the operating personnel.

See also the safety precautions of the engine and possible other equipment, which are separately sent along or are mentioned on the equipment or parts of the unit.

These safety precautions are general and some statements will therefore not always apply to a particular unit.

Only people that have the right skills should be allowed to operate, adjust, perform maintenance or repair on Atlas Copco equipment. It is the responsibility of management to appoint operators with the appropriate training and skill for each category of job.

Skill level 1: Operator

An operator is trained in all aspects of operating the unit with the push-buttons, and is trained to know the safety aspects.

Skill level 2: Mechanical technician

A mechanical technician is trained to operate the unit the same as the operator. In addition, the mechanical technician is also trained to perform maintenance and repair, as described in the instruction manual, and is allowed to change settings of the control and safety system. A mechanical technician does not work on live electrical components.

Skill level 3: Electrical technician

An electrical technician is trained and has the same qualifications as both the operator and the mechanical technician. In addition, the electrical technician may carry out electrical repairs within the various enclosures of the unit. This includes work on live electrical components.

Skill level 4: Specialist from the manufacturer

This is a skilled specialist sent by the manufacturer or its agent to perform complex repairs or modifications to the equipment.

In general it is recommended that not more than two people operate the unit, more operators could lead to unsafe operating conditions. Take necessary steps to keep unauthorized persons away from the unit and eliminate all possible sources of danger at the unit.

When handling, operating, overhauling and/or performing maintenance or repair on Atlas Copco equipment, the mechanics are expected to use safe engineering practices and to observe all relevant local safety requirements and ordinances. The following list is a reminder of special safety directives and precautions mainly applicable to Atlas Copco equipment.

Neglecting the safety precautions may endanger people as well as environment and machinery:

- endanger people due to electrical, mechanical or chemical influences,
- endanger the environment due to leakage of oil, solvents or other substances,
- endanger the machinery due to function failures.

All responsibility for any damage or injury resulting from neglecting these precautions or by non-observance of ordinary caution and due care required in handling, operating, maintenance or repair, also if not expressly mentioned in this instruction manual, is disclaimed by Atlas Copco.

The manufacturer does not accept any liability for any damage arising from the use of non-original parts and for modifications, additions or conversions made without the manufacturer's approval in writing.

If any statement in this manual does not comply with local legislation, the stricter of the two shall be applied.

Statements in these safety precautions should not be interpreted as suggestions, recommendations or inducements that it should be used in violation of any applicable laws or regulations.

GENERAL SAFETY PRECAUTIONS

- 1 The owner is responsible for maintaining the unit in a safe operating condition. Unit parts and accessories must be replaced if missing or unsuitable for safe operation.
 - 2 The supervisor, or the responsible person, shall at all times make sure that all instructions regarding machinery and equipment operation and maintenance are strictly followed and that the machines with all accessories and safety devices, as well as the consuming devices, are in good repair, free of abnormal wear or abuse, and are not tampered with.
 - 3 Whenever there is an indication or any suspicion that an internal part of a machine is overheated, the machine shall be stopped but no inspection covers shall be opened before sufficient cooling time has elapsed; this to avoid the risk of spontaneous ignition of oil vapour when air is admitted.
 - 4 Normal ratings (pressures, temperatures, speeds, etc.) shall be durably marked.
 - 5 Operate the unit only for the intended purpose and within its rated limits (pressure, temperature, speeds, etc.).
 - 6 The machinery and equipment shall be kept clean, i.e. as free as possible from oil, dust or other deposits.
 - 7 To prevent an increase in working temperature, inspect and clean heat transfer surfaces (cooler fins, intercoolers, water jackets, etc.) regularly. See the maintenance schedule.
 - 8 All regulating and safety devices shall be maintained with due care to ensure that they function properly. They may not be put out of action.
 - 9 Pressure and temperature gauges shall be checked regularly with regard to their accuracy. They shall be replaced whenever outside acceptable tolerances.
 - 10 Safety devices shall be tested as described in the maintenance schedule of the instruction manual to determine that they are in good operating condition.
 - 11 Mind the markings and information labels on the unit.
 - 12 In the event the safety labels are damaged or destroyed, they must be replaced to ensure operator safety.
 - 13 Keep the work area neat. Lack of order will increase the risk of accidents.
 - 14 When working on the unit, wear safety clothing. Depending on the kind of activities these are: safety glasses, ear protection, safety helmet (including visor), safety gloves, protective clothing, safety shoes. Do not wear the hair long and loose (protect long hair with a hairnet), or wear loose clothing or jewellery.
 - 15 Take precautions against fire. Handle fuel, oil and anti-freeze with care because they are inflammable substances. Do not smoke or approach with naked flame when handling such substances. Keep a fire-extinguisher in the vicinity.
- 16a Portable generators (with earthing pin):**
Earth the generator as well as the load properly.
- 16b Portable generators IT:**
Note: This generator is built to supply a sheer alternating current IT network.
Earth the load properly.

SAFETY DURING TRANSPORT AND INSTALLATION

To lift a unit, all loose or pivoting parts, e.g. doors and towbar, shall first be securely fastened.

Do not attach cables, chains or ropes directly to the lifting eye; apply a crane hook or lifting shackle meeting local safety regulations. Never allow sharp bends in lifting cables, chains or ropes.

Helicopter lifting is not allowed.

It is strictly forbidden to dwell or stay in the risk zone under a lifted load. Never lift the unit over people or residential areas. Lifting acceleration and retardation shall be kept within safe limits.

- 1 Before towing the unit:
 - check the towbar, the brake system and the towing eye. Also check the coupling of the towing vehicle,
 - check the towing and brake capability of the towing vehicle,
 - check that the towbar, jockey wheel or stand leg is safely locked in the raised position,
 - ascertain that the towing eye can swivel freely on the hook,
 - check that the wheels are secure and that the tyres are in good condition and inflated correctly,
 - connect the signalisation cable, check all lights and connect the pneumatic brake couplers,
 - attach the safety break-away cable or safety chain to the towing vehicle,
 - remove wheel chocks, if applied, and disengage the parking brake.
- 2 To tow a unit use a towing vehicle of ample capacity. Refer to the documentation of the towing vehicle.
- 3 If the unit is to be backed up by the towing vehicle, disengage the overrun brake mechanism (if it is not an automatic mechanism).
- 4 Never exceed the maximum towing speed of the unit (mind the local regulations).
- 5 Place the unit on level ground and apply the parking brake before disconnecting the unit from the towing vehicle. Unclip the safety break-away cable or safety chain. If the unit has no parking brake or jockey wheel, immobilize the unit by placing chocks in front of and/or behind the wheels. When the towbar can be positioned vertically, the locking device must be applied and kept in good order.
- 6 To lift heavy parts, a hoist of ample capacity, tested and approved according to local safety regulations, shall be used.
- 7 Lifting hooks, eyes, shackles, etc., shall never be bent and shall only have stress in line with their design load axis. The capacity of a lifting device diminishes when the lifting force is applied at an angle to its load axis.
- 8 For maximum safety and efficiency of the lifting apparatus all lifting members shall be applied as near to perpendicular as possible. If required, a lifting beam shall be applied between hoist and load.
- 9 Never leave a load hanging on a hoist.
- 10 A hoist has to be installed in such a way that the object will be lifted perpendicular. If that is not possible, the necessary precautions must be taken to prevent load-swinging, e.g. by using two hoists, each at approximately the same angle not exceeding 30° from the vertical.
- 11 Locate the unit away from walls. Take all precautions to ensure that hot air exhausted from the engine and driven machine cooling systems cannot be recirculated. If such hot air is taken in by the engine or driven machine cooling fan, this may cause overheating of the unit; if taken in for combustion, the engine power will be reduced.
- 12 Generators shall be stalled on an even, solid floor, in a clean location with sufficient ventilation. If the floor is not level or can vary in inclination, consult Atlas Copco.
- 13 The electrical connections shall correspond to local codes. The machines shall be earthed and protected against short circuits by fuses or circuit breakers.
- 14 Never connect the generator outlets to an installation which is also connected to a public mains.
- 15 Before connecting a load, switch off the corresponding circuit breaker, and check whether frequency, voltage, current and power factor comply with the ratings of the generator.

SAFETY DURING USE AND OPERATION

- 1 When the unit has to operate in a fire-hazardous environment, each engine exhaust has to be provided with a spark arrestor to trap incendiary sparks.
- 2 The exhaust contains carbon monoxide which is a lethal gas. When the unit is used in a confined space, conduct the engine exhaust to the outside atmosphere by a pipe of sufficient diameter; do this in such a way that no extra back pressure is created for the engine. If necessary, install an extractor. Observe any existing local regulations. Make sure that the unit has sufficient air intake for operation. If necessary, install extra air intake ducts.
- 3 When operating in a dust-laden atmosphere, place the unit so that dust is not carried towards it by the wind. Operation in clean surroundings considerably extends the intervals for cleaning the air intake filters and the cores of the coolers.
- 4 Never remove a filler cap of the cooling water system of a hot engine. Wait until the engine has sufficiently cooled down.
- 5 Never refill fuel while the unit is running, unless otherwise stated in the Atlas Copco Instruction Book (AIB). Keep fuel away from hot parts such as air outlet pipes or the engine exhaust. Do not smoke when fuelling. When fuelling from an automatic pump, an earthing cable should be connected to the unit to discharge static electricity. Never spill nor leave oil, fuel, coolant or cleansing agent in or around the unit.
- 6 All doors shall be shut during operation so as not to disturb the cooling air flow inside the bodywork and/or render the silencing less effective. A door should be kept open for a short period only e.g. for inspection or adjustment.
- 7 Periodically carry out maintenance works according to the maintenance schedule.
- 8 Stationary housing guards are provided on all rotating or reciprocating parts not otherwise protected and which may be hazardous to personnel. Machinery shall never be put into operation, when such guards have been removed, before the guards are securely reinstalled.
- 9 Noise, even at reasonable levels, can cause irritation and disturbance which, over a long period of time, may cause severe injuries to the nervous system of human beings.
When the sound pressure level, at any point where personnel normally has to attend, is:
 - below 70 dB(A): no action needs to be taken,
 - above 70 dB(A): noise-protective devices should be provided for people continuously being present in the room,
 - below 85 dB(A): no action needs to be taken for occasional visitors staying a limited time only,
 - above 85 dB(A): room to be classified as a noise-hazardous area and an obvious warning shall be placed permanently at each entrance to alert people entering the room, for even relatively short times, about the need to wear ear protectors,
 - above 95 dB(A): the warning(s) at the entrance(s) shall be completed with the recommendation that also occasional visitors shall wear ear protectors,
 - above 105 dB(A): special ear protectors that are adequate for this noise level and the spectral composition of the noise shall be provided and a special warning to that effect shall be placed at each entrance.
- 10 Insulation or safety guards of parts the temperature of which can be in excess of 80 °C (175 °F) and which may be accidentally touched by personnel shall not be removed before the parts have cooled to room temperature.
- 11 Never operate the unit in surroundings where there is a possibility of taking in flammable or toxic fumes.
- 12 If the working process produces fumes, dust or vibration hazards, etc., take the necessary steps to eliminate the risk of personnel injury.
- 13 When using compressed air or inert gas to clean down equipment, do so with caution and use the appropriate protection, at least safety glasses, for the operator as well as for any bystander. Do not apply compressed air or inert gas to your skin or direct an air or gas stream at people. Never use it to clean dirt from your clothes.
- 14 When washing parts in or with a cleaning solvent, provide the required ventilation and use appropriate protection such as a breathing filter, safety glasses, rubber apron and gloves, etc.
- 15 Safety shoes should be compulsory in any workshop and if there is a risk, however small, of falling objects, wearing of a safety helmet should be included.

- 16 If there is a risk of inhaling hazardous gases, fumes or dust, the respiratory organs must be protected and depending on the nature of the hazard, so must the eyes and skin.
- 17 Remember that where there is visible dust, the finer, invisible particles will almost certainly be present too; but the fact that no dust can be seen is not a reliable indication that dangerous, invisible dust is not present in the air.
- 18 Never operate the generator in excess of its limits as indicated in the technical specifications and avoid long no-load sequences.
- 19 Never operate the generator in a humid atmosphere. Excessive moisture causes worsening of the generator insulation.
- 20 Do not open electrical cabinets, cubicles or other equipment while voltage is supplied. If such cannot be avoided, e.g. for measurements, tests or adjustments, have the action carried out by a qualified electrician only, with appropriate tools, and ascertain that the required bodily protection against electrical hazards is applied.
- 21 Never touch the power terminals during operation of the machine.
- 22 Whenever an abnormal condition arises, e.g. excessive vibration, noise, odour, etc., switch the circuit breakers to OFF and stop the engine. Correct the faulty condition before restarting.
- 23 Check the electric cables regularly. Damaged cables and insufficient lightening of connections may cause electric shocks. Whenever damaged wires or dangerous conditions are observed, switch the circuit breakers to OFF and stop the engine. Replace the damaged wires or correct the dangerous condition before restarting. Make sure that all electric connections are securely tightened.
- 24 Avoid overloading the generator. The generator is provided with circuit breakers for overload protection. When a breaker has tripped, reduce the concerned load before restarting.
- 25 If the generator is used as stand-by for the mains supply, it must not be operated without control system which automatically disconnects the generator from the mains when the mains supply is restored.
- 26 Never remove the cover of the output terminals during operation. Before connecting or disconnecting wires, switch off the load and the circuit breakers, stop the machine and make sure that the machine cannot be started inadvertently or there is any residual voltage on the power circuit.
- 27 Running the generator at low load for long periods will reduce the lifetime of the engine.

SAFETY DURING MAINTENANCE AND REPAIR

Maintenance, overhaul and repair work shall only be carried out by adequately trained personnel; if required, under supervision of someone qualified for the job.

- 1 Use only the correct tools for maintenance and repair work, and only tools which are in good condition.
- 2 Parts shall only be replaced by genuine Atlas Copco replacement parts.
- 3 All maintenance work, other than routine attention, shall only be undertaken when the unit is stopped. Steps shall be taken to prevent inadvertent starting. In addition, a warning sign bearing a legend such as "work in progress; do not start" shall be attached to the starting equipment. On engine-driven units the battery shall be disconnected and removed or the terminals covered by insulating caps. On electrically driven units the main switch shall be locked in open position and the fuses shall be taken out. A warning sign bearing a legend such as "work in progress; do not supply voltage" shall be attached to the fuse box or main switch.
- 4 Prior to stripping an engine or other machine or undertaking major overhaul on it, prevent all movable parts from rolling over or moving.
- 5 Make sure that no tools, loose parts or rags are left in or on the machine. Never leave rags or loose clothing near the engine air intake.
- 6 Never use flammable solvents for cleaning (fire-risk).
- 7 Take safety precautions against toxic vapours of cleaning liquids.
- 8 Never use machine parts as a climbing aid.
- 9 Observe scrupulous cleanliness during maintenance and repair. Keep away dirt, cover the parts and exposed openings with a clean cloth, paper or tape.
- 10 Never weld on or perform any operation involving heat near the fuel or oil systems. Fuel and oil tanks must be completely purged, e.g. by steam-cleaning, before carrying out such operations. Never weld on, or in any way modify, pressure vessels. Disconnect the alternator cables during arc welding on the unit.
- 11 Support the towbar and the axle(s) securely if working underneath the unit or when removing a wheel. Do not rely on jacks.
- 12 Do not remove any of, or tamper with, the sound-damping material. Keep the material free of dirt and liquids such as fuel, oil and cleansing agents. If any sound-damping material is damaged, replace it to prevent the sound pressure level from increasing.
- 13 Use only lubricating oils and greases recommended or approved by Atlas Copco or the machine manufacturer. Ascertain that the selected lubricants comply with all applicable safety regulations, especially with regard to explosion or fire-risk and the possibility of decomposition or generation of hazardous gases. Never mix synthetic with mineral oil.
- 14 Protect the engine, alternator, air intake filter, electrical and regulating components, etc., to prevent moisture ingress, e.g. when steam-cleaning.
- 15 When performing any operation involving heat, flames or sparks on a machine, the surrounding components shall first be screened with non-flammable material.
- 16 Never use a light source with open flame for inspecting the interior of a machine.
- 17 When repair has been completed, the machine shall be barred over at least one revolution for reciprocating machines, several revolutions for rotary ones to ensure that there is no mechanical interference within the machine or driver. Check the direction of rotation of electric motors when starting up the machine initially and after any alteration to the electrical connection(s) or switch gear, to check that the oil pump and the fan function properly.
- 18 Maintenance and repair work should be recorded in an operator's logbook for all machinery. Frequency and nature of repairs can reveal unsafe conditions.
- 19 When hot parts have to be handled, e.g. shrink fitting, special heat-resistant gloves shall be used and, if required, other body protection shall be applied.

- 20 When using cartridge type breathing filter equipment, ascertain that the correct type of cartridge is used and that its useful service life is not surpassed.
- 21 Make sure that oil, solvents and other substances likely to pollute the environment are properly disposed of.
- 22 Before clearing the generator for use after maintenance or overhaul, submit it to a testrun, check that the AC power performance is correct and that the control and shutdown devices function correctly.

TOOL APPLICATIONS SAFETY

Apply the proper tool for each job. With the knowledge of correct tool use and knowing the limitations of tools, along with some common sense, many accidents can be prevented.

Special service tools are available for specific jobs and should be used when recommended. The use of these tools will save time and prevent damage to parts.

BATTERY SAFETY PRECAUTIONS

Batteries

When servicing batteries, always wear protecting clothing and glasses.

- 1 The electrolyte in batteries is a sulphuric acid solution which is fatal if it hits your eyes, and which can cause burns if it contacts your skin. Therefore, be careful when handling batteries, e.g. when checking the charge condition.
- 2 Install a sign prohibiting fire, open flame and smoking at the post where batteries are being charged.
- 3 When batteries are being charged, an explosive gas mixture forms in the cells and might escape through the vent holes in the plugs. Thus an explosive atmosphere may form around the battery if ventilation is poor, and can remain in and around the battery for several hours after it has been charged. Therefore:
 - never smoke near batteries being, or having recently been, charged,
 - never break live circuits at battery terminals, because a spark usually occurs.
- 4 When connecting an auxiliary battery (AB) in parallel to the unit battery (CB) with booster cables: connect the + pole of AB to the + pole of CB, then connect the - pole of CB to the mass of the unit. Disconnect in the reverse order.

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ORDERING SPARE PARTS

Always quote the part number, the designation and the quantity of the parts required, as well as the type and the serial number of the machine.

EXPLANATION OF THE COLUMNS

REF : REFERENCE CODE

Establishes the connection between a part in the list and a part in the illustration.

"—" means that the part is not shown in the illustration.

PART NUMBER

If no part number is given, the part cannot be obtained as a spare part.

Parts marked with a dot are part of the assembly listed right above them.

DESIGNATION

Usually this is the name of the part. For standard parts, in addition to the name, a number of characteristics are given.

QTY : QUANTITY

Indicates the quantity of the part concerned. "AR" stands for "As Required".

COMMANDE DE PIÈCES DETACHEES

Toujours indiquer le numéro de pièce, la désignation, la quantité désirée ainsi que le type et le numéro de série du groupe.

EXPLICATION DES INTITULES DES COLONNES

REF : CODE DE REFERENCE

Réfère à la pièce détachée spécifiée dans la liste et sur l'illustration. "—" implique que la pièce n'est pas indiquée sur l'illustration.

PART NUMBER : NUMERO DE PIECE DETACHEE

Si le numéro n'est pas indiqué, la pièce n'est pas disponible en tant que pièce de rechange.

Les pièces indiquées par un point gras font partie de l'ensemble se trouvant au-dessus des pièces détachées correspondantes.

DESIGNATION

En général, le nom de la pièce. S'il s'agit de pièces standard, outre la désignation, un certain nombre de caractéristiques sont indiquées.

QTY : QUANTITE

Indique la quantité de la pièce détachée. "AR" indique "As required", c'est-à-dire la quantité à déterminer selon le cas.

PEDIDO DE PARTES

Siempre comunicar el número de parte, la designación y la cantidad deseada así como el tipo y el número de serie de la máquina.

INFORMACIONES SOBRE LAS COLUMNAS

REF : CODIGO DE REFERENCIA

Establece la conexión entre una parte en la lista y una parte en la ilustración.

"—" quiere decir que la parte no está ilustrada.

PART NUMBER : NUMERO DE PARTE

Si no se da ningún número, quiere decir que la parte no está disponible como parte de recambio.

Partes marcadas con un punto son partes del conjunto indicado más arriba.

DESIGNATION : DESIGNACION

Principalmente el nombre de la parte. En caso de partes estándares, el nombre es seguido por especificaciones.

QTY : CANTIDAD

Indica la cantidad de la parte correspondiente. La indicación "AR" significa "As Required" (como sea requerido).

ONCOMENDAS DE PEÇAS

Refira sempre o número da peça, a designação e a quantidade das peças que pretende encomendar, assim como o tipo e o número de série do aparelho.

EXPLICAÇÃO DAS COLUNAS

REF : CÓDIGO DE REFERÊNCIA

Estabeleça a ligação entre a peça na lista e a peça no desenho. "—" significa que a peça não vem no desenho.

PART NUMBER : NÚMERO DA PEÇA

Se não vier referido o número da peça, a peça não pode ser adquirida como peça sobressalente.

As peças marcadas com pontos são peças de um conjunto listado acima dessa peça.

DESIGNATION : DESIGNAÇÃO

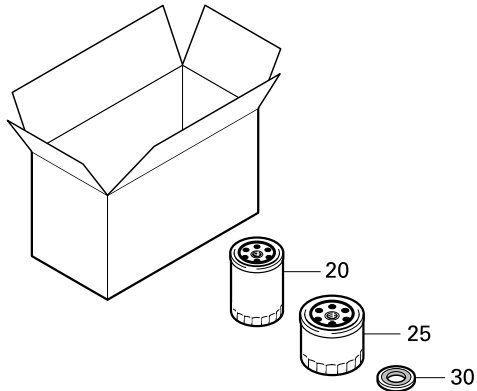
Geralmente é o nome da peça. Para peças normalizadas, além do nome da peça, vem também referido um número.

QTY : QUANTIDADE

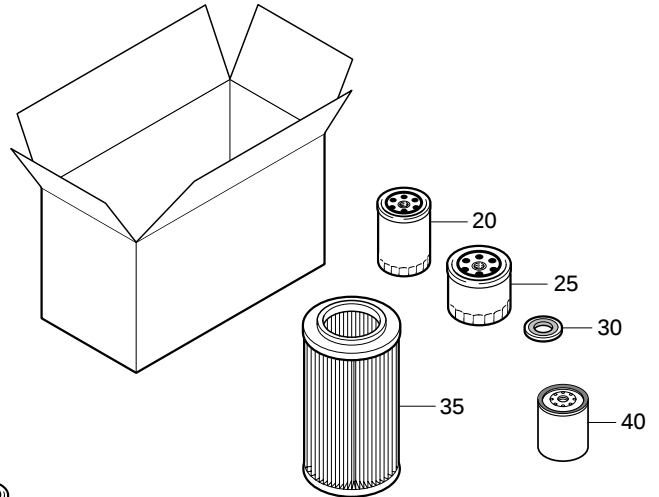
Indica a quantidade da peça em questão. "AR" (As Required) quer dizer "Como solicitado".

SERVICE PAKS

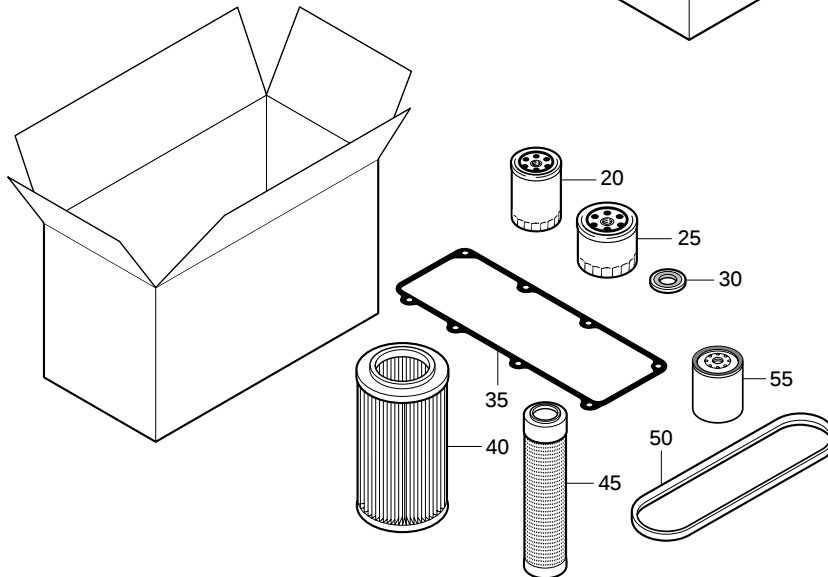
SERVICE PAK 250 h



SERVICE PAK 500 h

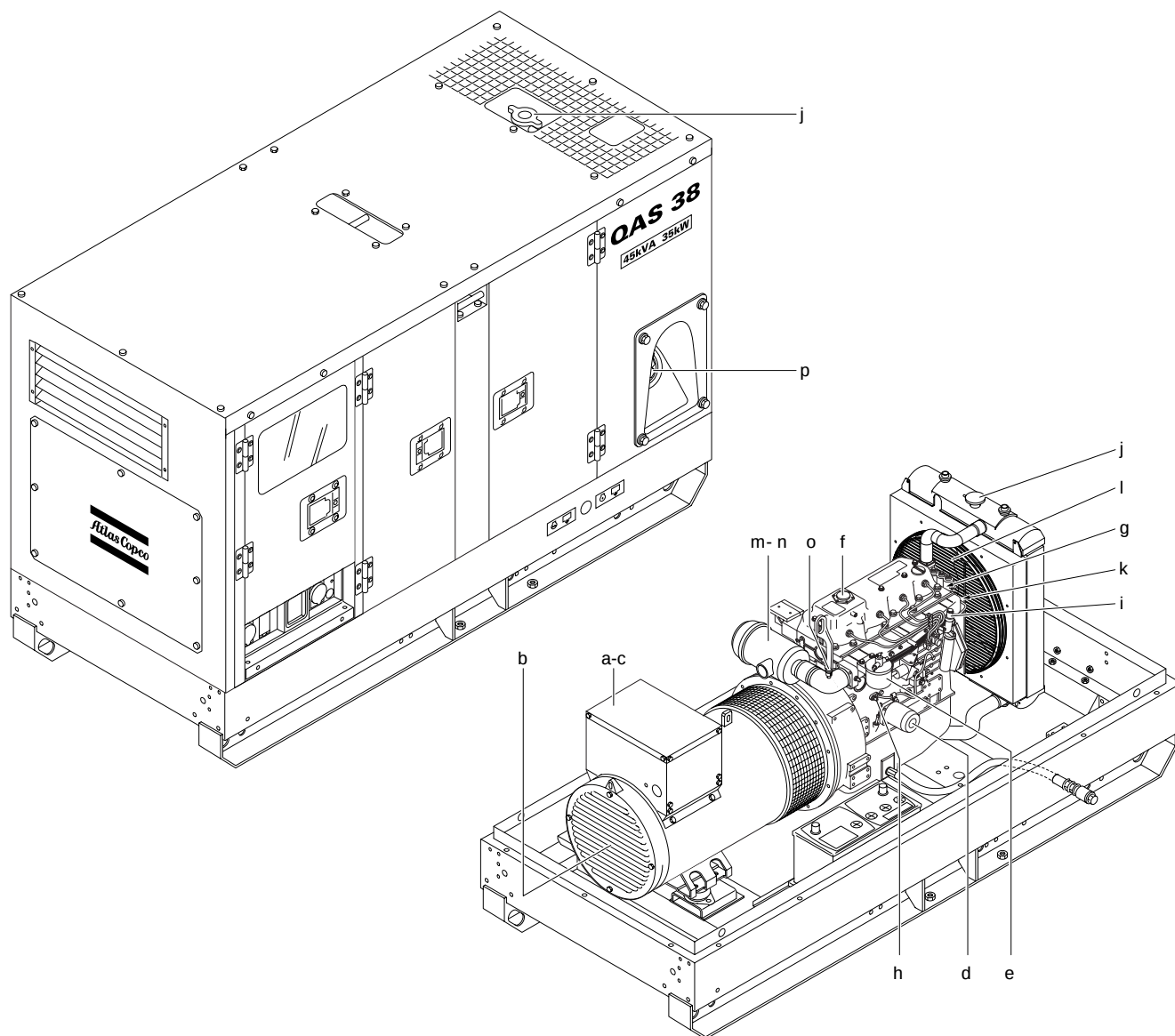


SERVICE PAK 2000 h



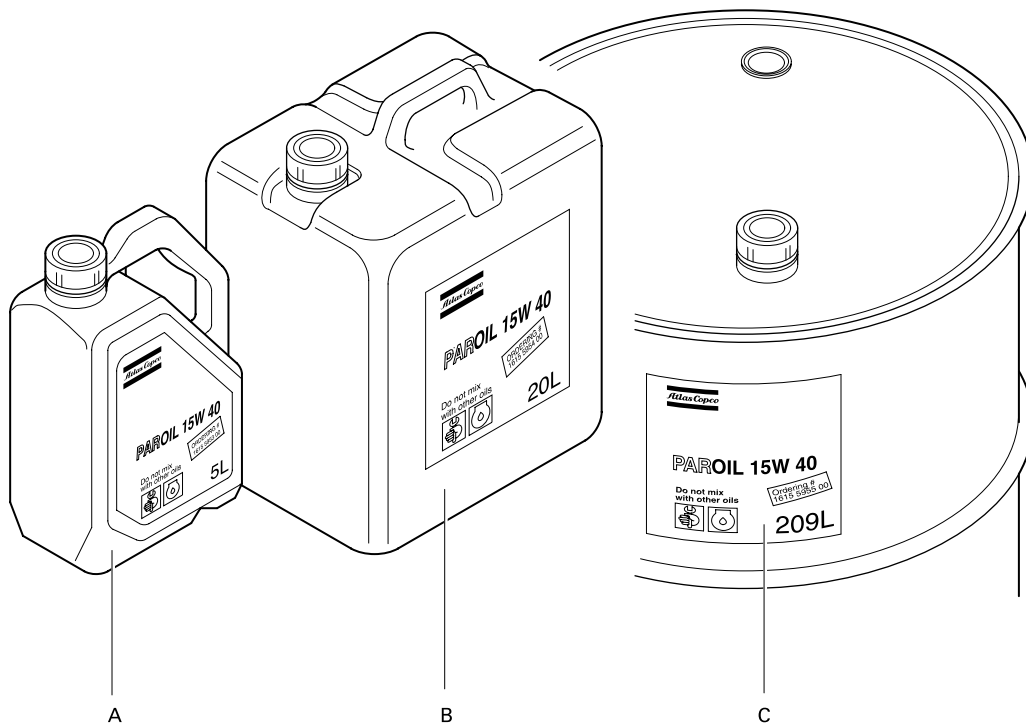
REF	PART NUMBER	DESIGNATION	QTY	REF	PART NUMBER	DESIGNATION	QTY
—	2912 6038 00	SERVICE PAK 250 hours		—	2912 6040 00	SERVICE PAK 2000 hours	
• 20	—	OIL FILTER	1	• 20	—	OIL FILTER	1
• 25	—	FUEL FILTER	1	• 25	—	FUEL FILTER	1
• 30	—	SEALING WASHER	1	• 30	—	SEALING WASHER	1
—	2912 6039 00	SERVICE PAK 500 hours		• 35	—	GASKET ROCKER COVER	1
• 20	—	OIL FILTER	1	• 40	—	AIR FILTER	1
• 25	—	FUEL FILTER	1	• 45	—	SAFETY CARTRIDGE	1
• 30	—	SEALING WASHER	1	• 50	—	V-BELT 4TNV98	1
• 35	—	AIR FILTER	1	• 55	—	FILTER ELEMENT	1
• 40	—	FILTER ELEMENT	1				

SERVICE PARTS



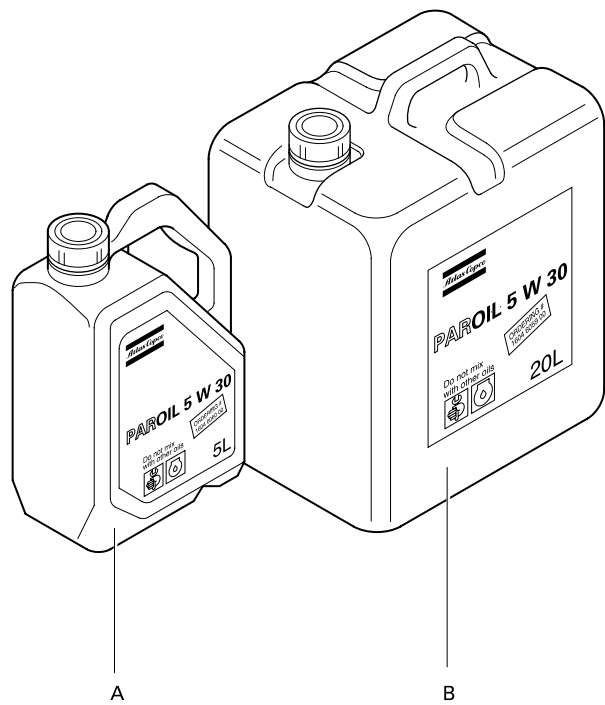
REF	PART NUMBER	DESIGNATION	QTY	REF	PART NUMBER	DESIGNATION	QTY
a	2914 9000 00	ALTERNATOR		m	2914 9302 00	AIR FILTER	
b	2914 9003 00	REGULATOR (AVR)		n	2914 9303 00	AIR FILTER ELEMENT	
c	1089 9037 04	ROTATING DIODE BRIDGE		o	1619 3188 00	AIR FILTER SAFETY CARTRIDGE	
		FUSE				AIR FILTER DUST VALVE	
d	2914 9200 00	ENGINE		p	2914 9500 00	OTHERS	
e	2914 9203 00	OIL FILTER				KEY (FUEL CAP)	
f	2914 9127 00	FUEL FILTER					
g	2914 9204 00	GASKET ROCKER COVER					
h	2914 9205 00	TEMPERATURE SWITCH					
i	2914 9220 00	OIL PRESSURE SWITCH					
j	2914 9206 00	FUEL STOP SOLENOID					
k	2914 9218 00	RADIATOR FILLING CAP					
l	2914 9222 00	V-BELT					
		FAN					

ENGINE OIL



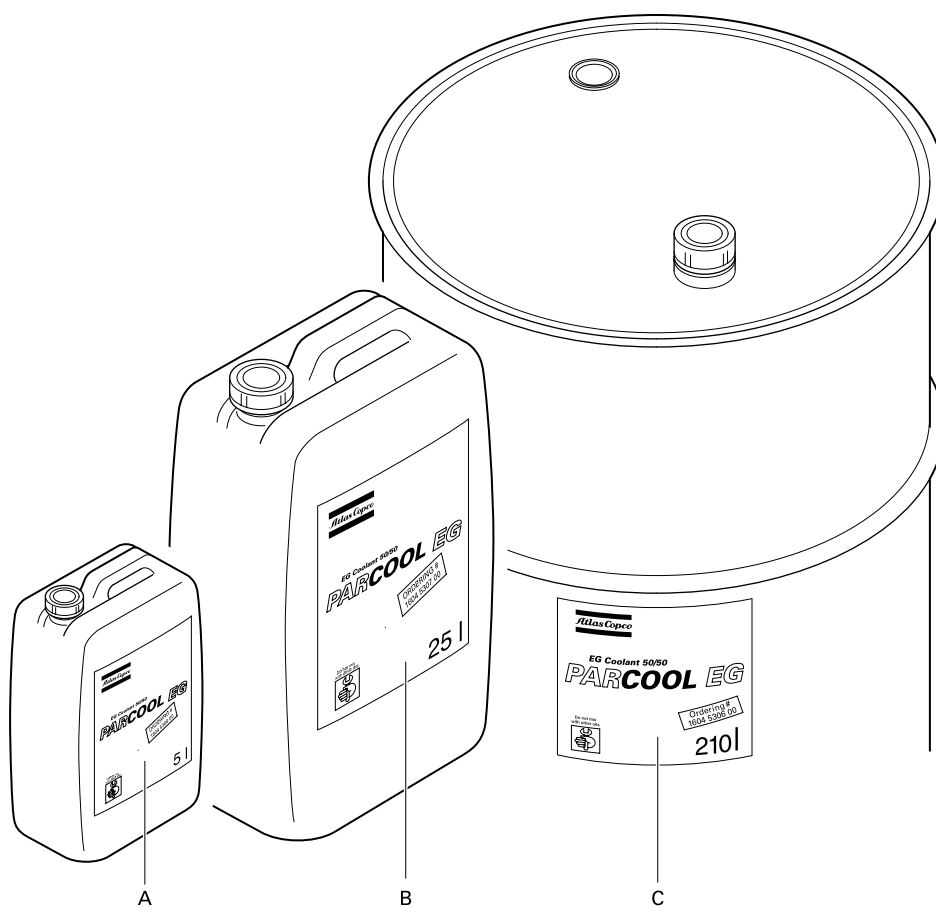
REF	PART NUMBER	DESIGNATION	QTY	REF	PART NUMBER	DESIGNATION	QTY
		PAROIL 15W40					
A	1615 5953 00	Can 5 liter	1				
B	1615 5954 00	Can 20 Liter	1				
C	1615 5955 00	Drum 210 liter	1				

ENGINE OIL



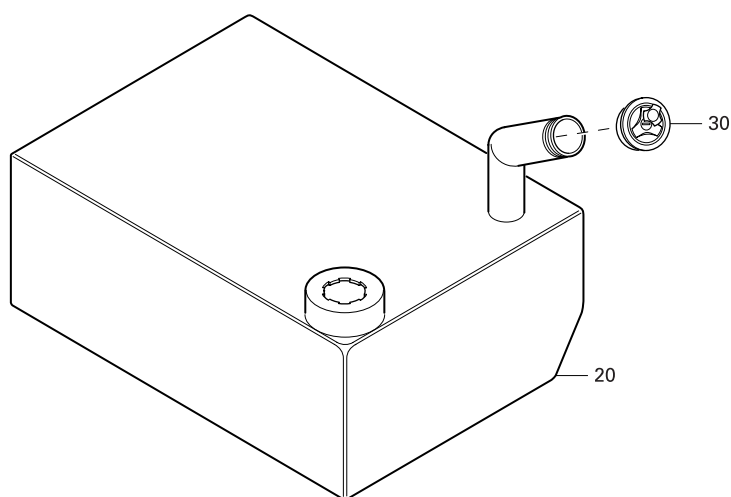
REF	PART NUMBER	DESIGNATION	QTY	REF	PART NUMBER	DESIGNATION	QTY
A	1604 6060 00	PAROIL 5W30 5 LITER CAN	1				
B	1604 6059 00	PAROIL 5W30 20 LITER CAN	1				

ENGINE COOLANT



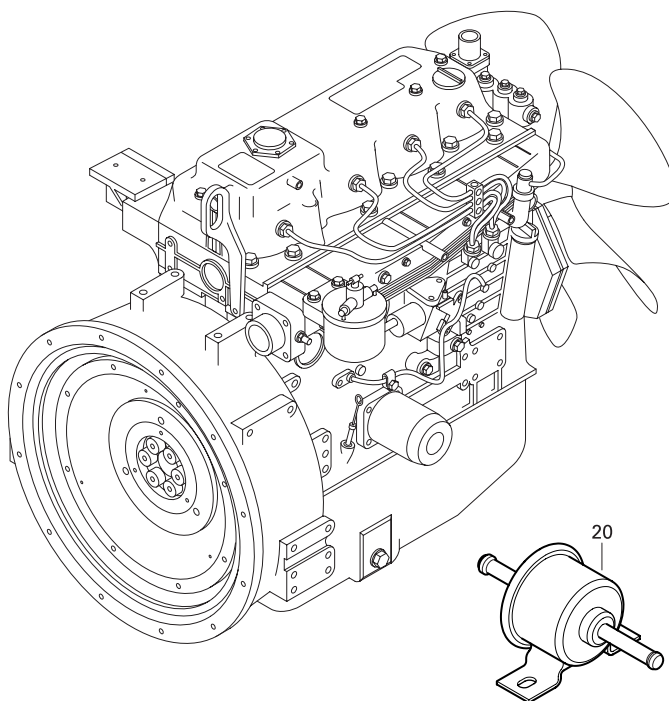
REF	PART NUMBER	DESIGNATION	QTY	REF	PART NUMBER	DESIGNATION	QTY
A	1604 5308 00	PARCOOL EG 5 LITER CAN	1				
B	1604 5307 00	PARCOOL EG 25 LITER CAN	1				
C	1604 5306 00	PARCOOL EG 210 LITER DRUM	1				

FUELTANK



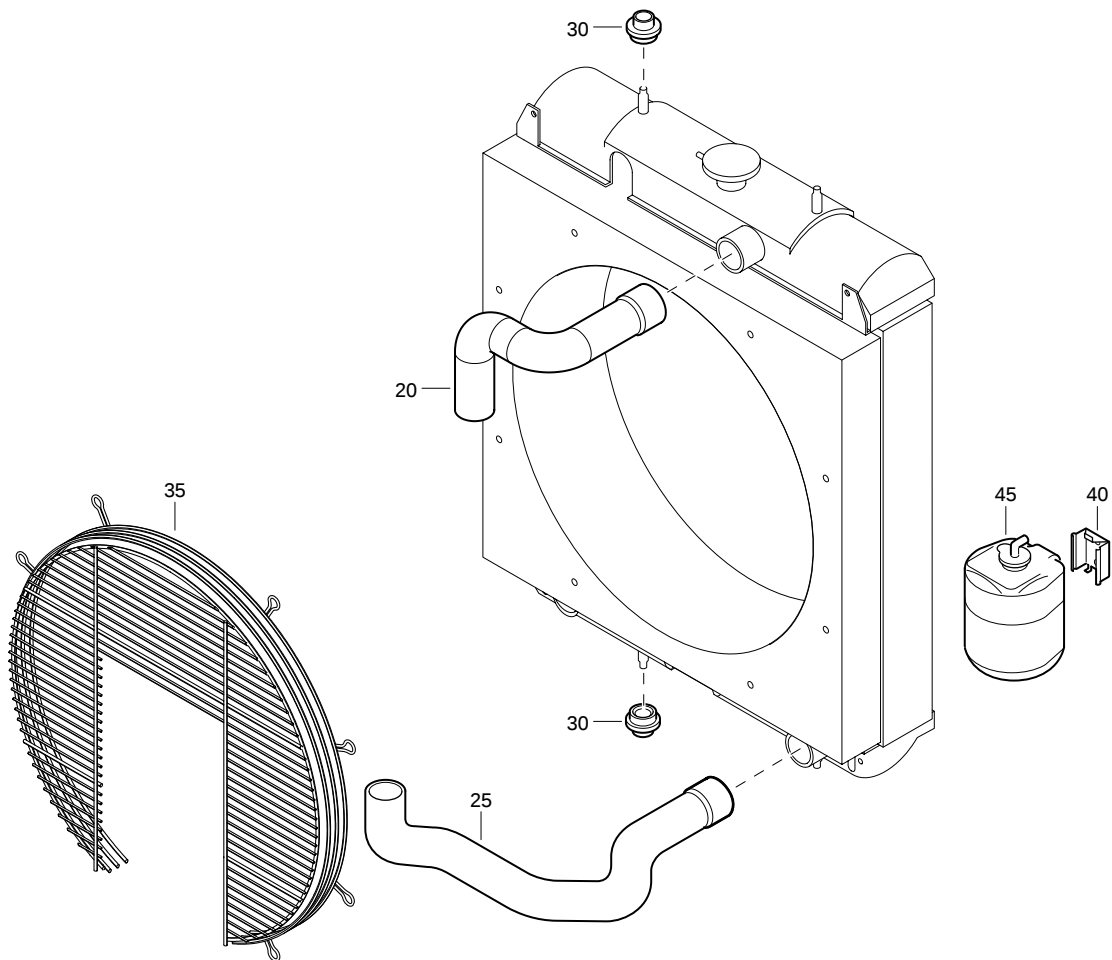
REF	PART NUMBER	DESIGNATION	QTY	REF	PART NUMBER	DESIGNATION	QTY
-	1604 2102 81	FUELTANK Item of list on page 35					
• 20	1604 2102 01	FUEL TANK	1				
• 30	1615 6947 01	COVER	1				

ENGINE



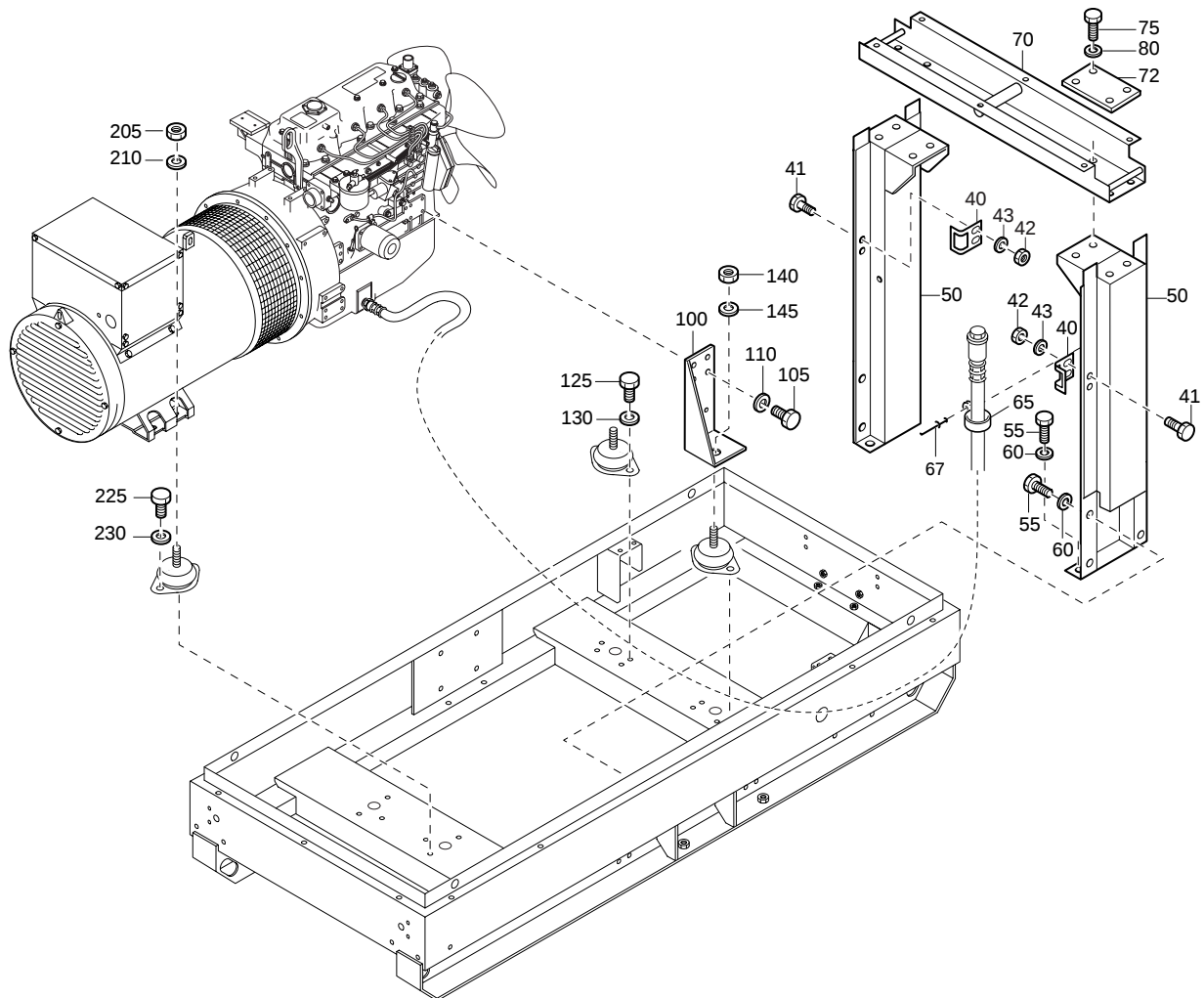
REF	PART NUMBER	DESIGNATION	QTY	REF	PART NUMBER	DESIGNATION	QTY
-	1604 6259 00	ENGINE Item of list on page 19					
• 20	1604 6440 00	PUMP	1				

RADIATOR



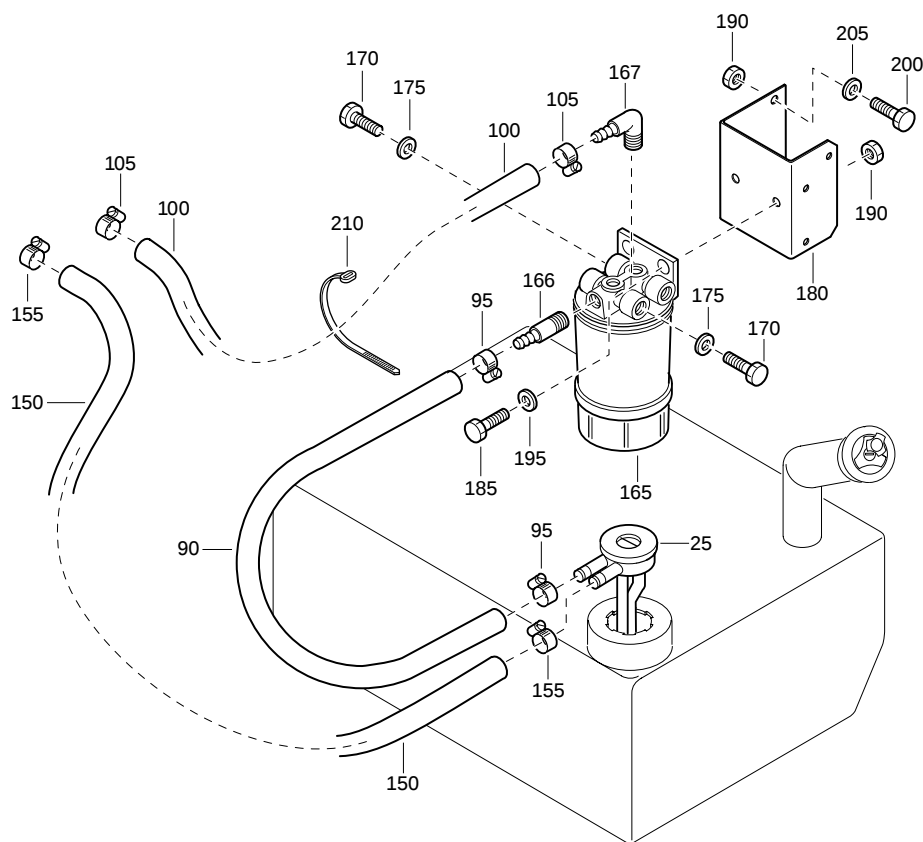
REF	PART NUMBER	DESIGNATION	QTY	REF	PART NUMBER	DESIGNATION	QTY
-	1604 6340 00	RADIATOR					
		Item of list on page 21					
• 20	1604 6341 00	HOSE	1				
• 25	1604 6342 00	HOSE	1				
• 30	1604 6441 00	MOUNTS	4				
• 35	1604 6442 00	GUARD	1				
• 40	1615 7064 00	BRACKET	1				
• 45	1615 7032 00	WATERTANK	1				

MOUNTS ON FRAME



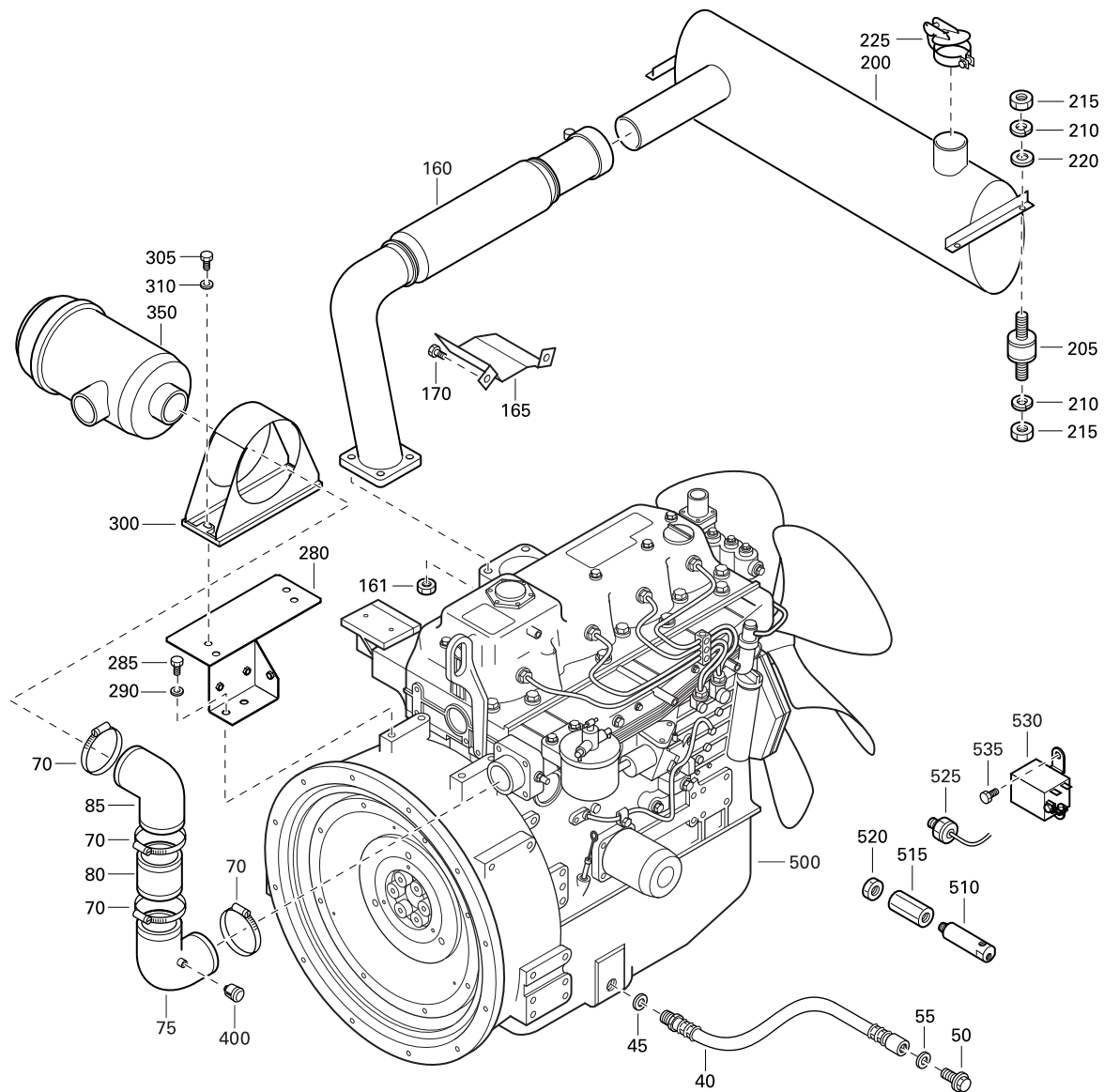
REF	PART NUMBER	DESIGNATION	QTY	REF	PART NUMBER	DESIGNATION	QTY
40	1615 8572 00	HOOK	4	205	0291 1128 39	LOCKNUT	2
41	0216 1324 03	HEX SOCK. SCREW	8	210	0300 0274 93	PLAIN WASHER	2
42	0266 2110 00	HEXAGON NUT	8	225	0147 1323 15	HEX. HEAD SCREW	4
43	0333 3227 00	LOCK WASHER	8	230	0301 2335 00	PLAIN WASHER	4
50	1615 6974 07	LIFTING SUPPORT	2				
55	0147 1400 03	HEX. HEAD SCREW	12				
60	0301 2358 00	PLAIN WASHER	12				
65	1079 3461 02	HOSE CLIP	1				
67	0129 3108 00	BLIND RIVET	1				
70	1615 6975 00	BEAM	1				
72	1615 8609 00	PLATE	2				
75	0147 1402 03	HEX. HEAD SCREW	8				
80	0301 2358 00	PLAIN WASHER	8				
100	1615 9427 01	ENGINE SUPPORT	2				
105	0147 1360 03	HEX. HEAD SCREW	8				
110	0301 2344 00	PLAIN WASHER	8				
125	0147 1323 15	HEX. HEAD SCREW	4				
130	0301 2335 00	PLAIN WASHER	4				
140	0291 1128 39	LOCKNUT	2				
145	0300 0274 93	PLAIN WASHER	2				

FUEL SYSTEM



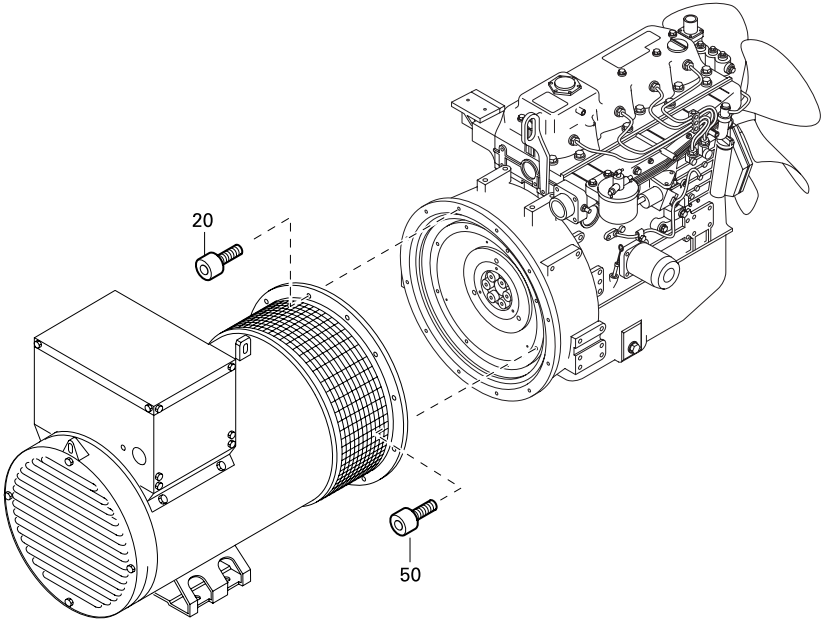
REF	PART NUMBER	DESIGNATION	QTY	REF	PART NUMBER	DESIGNATION	QTY
25	1615 6948 01	LEVEL GAUGE + O-RING	1				
90	0075 4005 55	FUEL HOSE	AR				
95	0347 6102 00	HOSE CLAMP	2				
100	0075 4005 55	FUEL HOSE	AR				
105	0347 6102 00	HOSE CLAMP	2				
150	0075 4005 55	FUEL HOSE	AR				
155	0347 6102 00	HOSE CLAMP	2				
165	1615 8929 00	FUELFILTER	1				
	(For details see page 34)						
166	1615 8934 00	HOSE NIPPLE	1				
167	1615 8933 00	HOSE NIPPLE	1				
170	0147 1325 03	HEX. HEAD SCREW	2				
175	0301 2335 00	PLAIN WASHER	2				
180	1604 6403 00	BRACKET	1				
185	0216 1957 57	HEX SOCK. SCREW	2				
190	0266 2110 00	HEXAGON NUT	4				
195	0333 3227 00	LOCK WASHER	2				
200	0147 1322 03	HEX. HEAD SCREW	2				
205	0301 2335 00	PLAIN WASHER	2				
210	0348 0101 21	CABLE TIE 95 X 2.5	8				

ENGINE ACCESSORIES



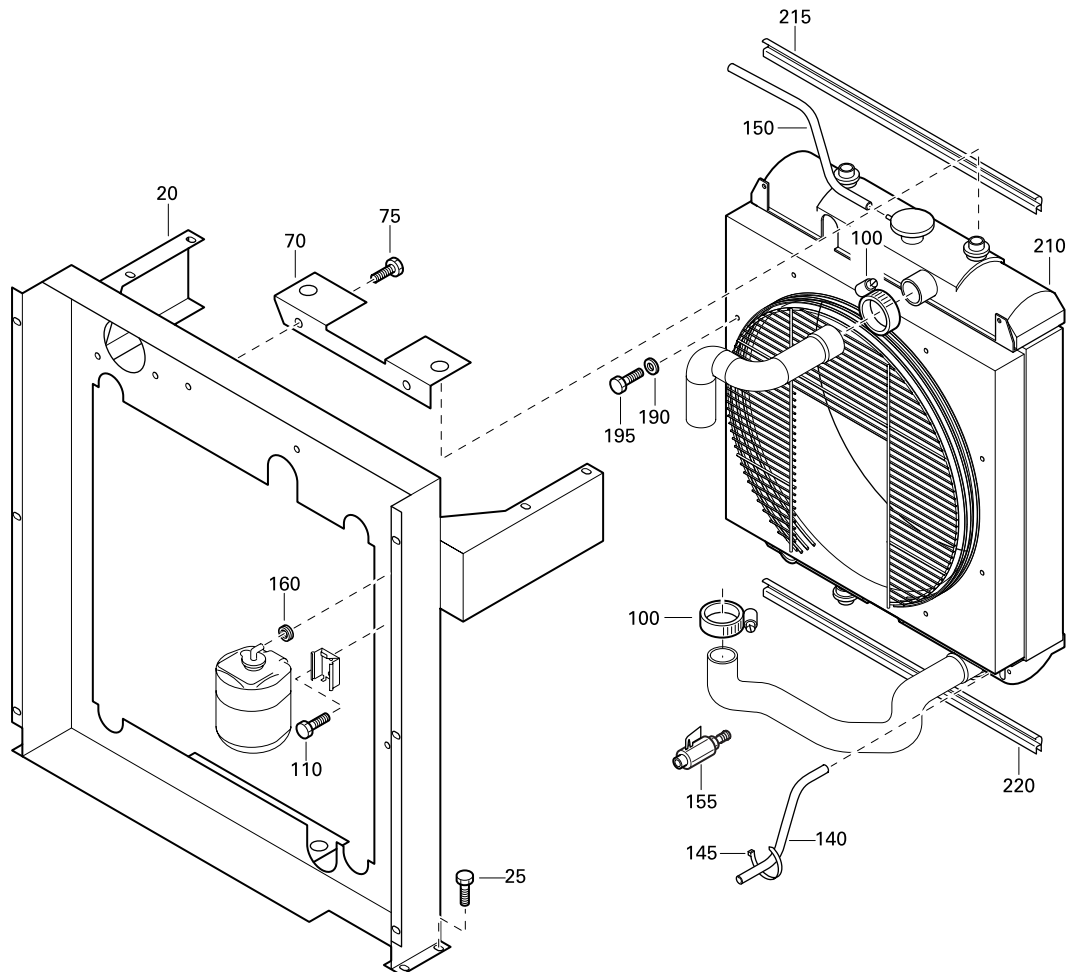
REF	PART NUMBER	DESIGNATION	QTY	REF	PART NUMBER	DESIGNATION	QTY
40	1615 6949 00	HOSE ASSEMBLY	1	290	1088 0019 02	CONTACT WASHER	2
45	0661 1035 00	SEALING WASHER	1	300	1615 6958 00	SUPPORT	1
50	0686 3716 02	HEXAGON PLUG	1	305	0147 1328 03	HEX. HEAD SCREW	2
55	0661 1033 00	SEALING WASHER	1	310	0301 2335 00	PLAIN WASHER	2
70	0347 6114 00	HOSE CLAMP	4	350	1615 6959 01	AIRFILTER	1
75	1604 5012 00	ELBOW	1		(For details see page 33)		
80	1604 6319 00	PIPE	1	400	1613 7912 03	INDICATOR	1
85	1604 6336 00	ELBOW	1	500	1604 6259 00	ENGINE	1
160	1604 6326 00	PIPE	1		(For details see page 15)		
161	0291 1185 04	LOCKNUT	4	510	1615 9552 01	DAMPER	1
165	1604 6327 00	PLATE	1	515	0324 1800 37	SPACING NUT	1
170	1619 2766 00	HEX. HEAD SREW	2	520	0266 2108 00	HEXAGON NUT	1
200	1615 8695 03	MUFFLER	1	525	1089 0567 11	TEMPERATURE SENSOR	1
205	1615 6954 00	RUBBER BUFFER	4	530	1089 0585 01	RELAY	1
210	0333 3227 00	LOCK WASHER	8	535	0147 1322 03	HEX. HEAD SCREW	3
215	0266 2110 00	HEXAGON NUT	8				
220	0300 8019 00	PLAIN WASHER	4				
225	1615 6955 00	EXHAUST COVER	1				
280	1615 9513 02	SUPPORT	1				
285	0147 1360 03	HEX. HEAD SCREW	2				

COUPLING



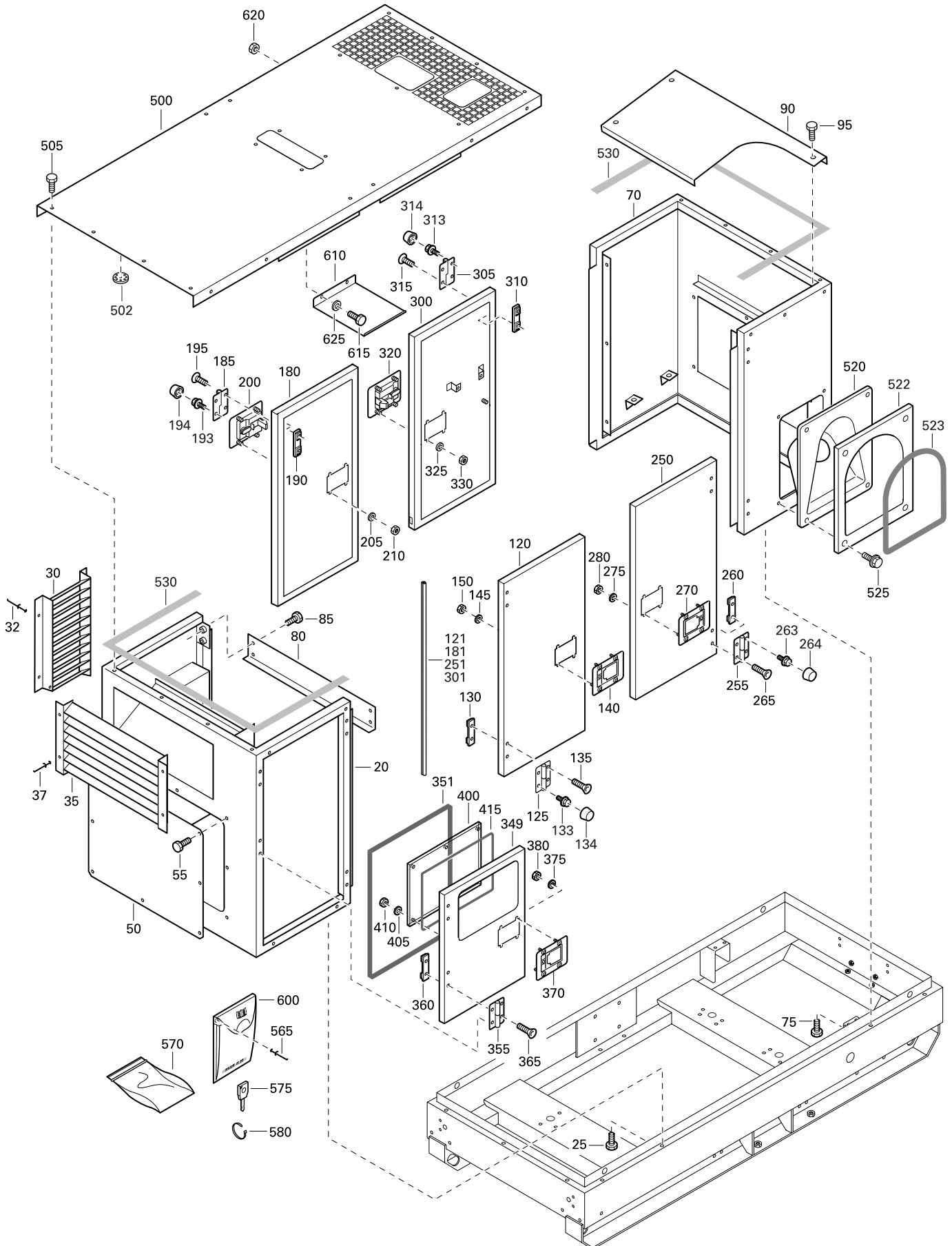
REF	PART NUMBER	DESIGNATION	QTY	REF	PART NUMBER	DESIGNATION	QTY
20	0211 1360 03	HEX SOCK. SCREW	12				
50	0211 1360 03	HEX SOCK. SCREW	8				

COOLER



REF	PART NUMBER	DESIGNATION	QTY	REF	PART NUMBER	DESIGNATION	QTY
20	1604 6325 00	PLATE	1				
25	1619 2766 00	HEX. HEAD SREW	10				
70	1604 6330 00	PLATE	1				
75	1615 5664 00	HEX. HEAD SCREW	2				
100	0347 6113 00	HOSE CLAMP	4				
110	1619 2766 00	HEX. HEAD SREW	2				
140	0099 9910 29	PLASTIC TUBE	AR				
145	1088 1301 02	CABLE STRIP	1				
150	0099 9910 28	PLASTIC TUBE	AR				
155	1615 7072 00	VALVE	1				
160	0698 0151 00	GROMMET	1				
190	0300 0274 32	PLAIN WASHER	8				
195	0147 1246 03	HEX. HEAD SCREW	8				
210	1604 6340 00	RADIATOR	1				
		(For details see page 16)					
215	1202 5211 00	SEAL	AR				
220	1202 5211 00	SEAL	AR				

BODYWORK AND MOUNTS



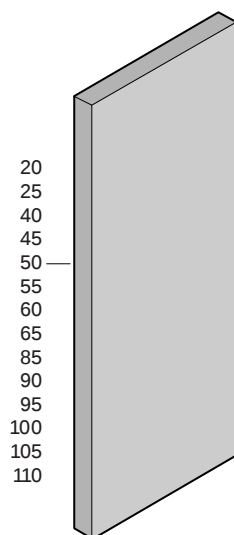
BODYWORK AND MOUNTS

REF	PART NUMBER	DESIGNATION	QTY	REF	PART NUMBER	DESIGNATION	QTY
20	1615 6962 07	REAR PANEL	1	380	0291 1108 00	LOCKNUT	4
25	1619 2766 00	HEX. HEAD SREW	7	400	1615 6970 00	WINDOW	1
30	1615 8921 01	BAFFLE	1	405	0301 2321 00	PLAIN WASHER	6
32	0129 3175 00	BLIND RIVET	4	410	0266 2108 00	HEXAGON NUT	6
35	1615 8918 01	BAFFLE	1	415	1615 7057 00	SEAL	AR
37	0129 3175 00	BLIND RIVET	4	500	1615 6971 04	ROOF	1
50	1615 7104 00	SERVICE PLATE	1	502	1615 7884 00	CLIP	8
55	1619 2766 00	HEX. HEAD SREW	8	505	1619 2766 00	HEX. HEAD SREW	29
70	1615 6964 02	FRONT PANEL	1	520	1615 6972 01	FUNNEL	1
75	1619 2766 00	HEX. HEAD SREW	7	522	1604 2270 00	PLATE (FUNNEL)	1
80	1615 6985 02	BAFFLE	1	523	1619 5188 00	SEAL	AR
85	1619 2766 00	HEX. HEAD SREW	4	525	1615 5664 00	HEX. HEAD SCREW	4
90	1615 6965 00	BAFFLE	1	530	1615 7057 00	SEAL	AR
95	1619 2766 00	HEX. HEAD SREW	3	565	1615 5556 00	RIVET	2
120	1615 6966 04	DOOR	1	570	0017 9861 53	PLASTIC BAG	1
121	1604 4317 00	SEAL	AR	575	1615 7271 00	KEY	2
125	1615 5686 01	HINGE (RH)	2	580	1088 1301 03	CABLE STRIP	1
130	1615 5684 00	BRACKET	4	600	1615 6294 02	DOCUMENT HOLDER	1
133	1619 2766 00	HEX. HEAD SREW	2	610	1604 2277 00	PLATE	1
134	1613 3672 00	CAP	2	615	0216 1324 03	HEX SOCK. SCREW	2
135	0216 1324 03	HEX SOCK. SCREW	6	620	0266 2110 00	HEXAGON NUT	2
140	1615 6967 03	HANDLE	1	625	0333 3227 00	LOCK WASHER	2
145	0301 2321 00	PLAIN WASHER	4				
150	0291 1108 00	LOCKNUT	4				
180	1615 6966 04	DOOR	1				
181	1604 4317 00	SEAL	AR				
185	1615 5685 01	HINGE (LH)	2				
190	1615 5684 00	BRACKET	4				
193	1619 2766 00	HEX. HEAD SREW	2				
194	1613 3672 00	CAP	2				
195	0216 1324 03	HEX SOCK. SCREW	6				
200	1615 6967 03	HANDLE	1				
205	0301 2321 00	PLAIN WASHER	4				
210	0291 1108 00	LOCKNUT	4				
250	1615 6968 03	DOOR	1				
251	1604 4317 00	SEAL	AR				
255	1615 5686 01	HINGE (RH)	2				
260	1615 5684 00	BRACKET	4				
263	1619 2766 00	HEX. HEAD SREW	2				
264	1613 3672 00	CAP	2				
265	0216 1324 03	HEX SOCK. SCREW	6				
270	1615 6967 03	HANDLE	1				
275	0301 2321 00	PLAIN WASHER	4				
280	0291 1108 00	LOCKNUT	4				
300	1615 6968 03	DOOR	1				
301	1604 4317 00	SEAL	AR				
305	1615 5685 01	HINGE (LH)	2				
310	1615 5684 00	BRACKET	4				
313	1619 2766 00	HEX. HEAD SREW	2				
314	1613 3672 00	CAP	2				
315	0216 1324 03	HEX SOCK. SCREW	6				
320	1615 6967 03	HANDLE	1				
325	0301 2321 00	PLAIN WASHER	4				
330	0291 1108 00	LOCKNUT	4				
349	1615 6969 04	DOOR	1				
351	1202 6584 00	SEAL	AR				
355	1615 5686 01	HINGE (RH)	2				
360	1615 5684 00	BRACKET	4				
365	0216 1324 03	HEX SOCK. SCREW	8				
370	1615 6967 03	HANDLE	1				
375	0301 2321 00	PLAIN WASHER	4				

ELECTRICAL SYSTEM

REF	PART NUMBER	DESIGNATION	QTY	REF	PART NUMBER	DESIGNATION	QTY
25	1619 2766 00	HEX. HEAD SREW	8				
35	0147 1320 03	HEX. HEAD SCREW	4				
37	0301 2335 00	PLAIN WASHER	4				
60	1604 6410 00	WIRE HARNESS	1				
65	0266 2110 00	HEXAGON NUT	1				
70	0333 3227 00	LOCK WASHER	1				
75	0266 2107 00	HEXAGON NUT	1				
80	0333 3215 00	LOCK WASHER	1				
85	0147 1246 03	HEX. HEAD SCREW	2				
90	1088 0019 06	CONTACT WASHER	2				
105	1088 0019 01	CONTACT WASHER	1				
110	0266 2110 00	HEXAGON NUT	1				
150	0926 5400 10	BATTERY	1				
155	1202 9011 00	CLAMP	1				
160	1619 2766 00	HEX. HEAD SREW	2				
180	0301 2344 00	PLAIN WASHER	2				
250	1615 0866 01	BATTERY CABLE	1				
251	0147 1360 03	HEX. HEAD SCREW	1				
252	1088 0019 02	CONTACT WASHER	1				
260	1615 6981 02	BATTERY CABLE	1				
265	0333 3227 00	LOCK WASHER	1				
266	1619 3729 00	PROTECT.CAP	1				
270	0147 1360 03	HEX. HEAD SCREW	1				
280	1088 0019 02	CONTACT WASHER	1				
300	1088 1301 02	CABLE STRIP	25				
310	0147 1359 03	HEX. HEAD SCREW	1				
317	1613 0809 01	BRACKET	1				
319	1613 0809 01	BRACKET	1				
320	0147 1359 03	HEX. HEAD SCREW	1				
325	0333 3232 00	LOCK WASHER	1				
401	0653 1092 00	FLAT GASKET	1				
406	1089 0565 14	OILPRESSURE SENSOR	1				
410	1089 0567 11	TEMPERATURE SENSOR	1				
455	0160 6060 00	SLOTTED SCREW	2				
460	0301 2318 00	PLAIN WASHER	2				
510	0147 1246 03	HEX. HEAD SCREW	2				
520	1088 0019 06	CONTACT WASHER	2				
600	1613 0801 03	PIPE CLAMP	1				
610	1613 0809 01	BRACKET	1				
615	0147 1360 03	HEX. HEAD SCREW	1				
620	1613 0801 02	PIPE CLAMP	1				
625	0147 1244 03	HEX. HEAD SCREW	1				
630	0266 2108 00	HEXAGON NUT	1				
635	0333 3220 00	LOCK WASHER	1				

FOAM SET

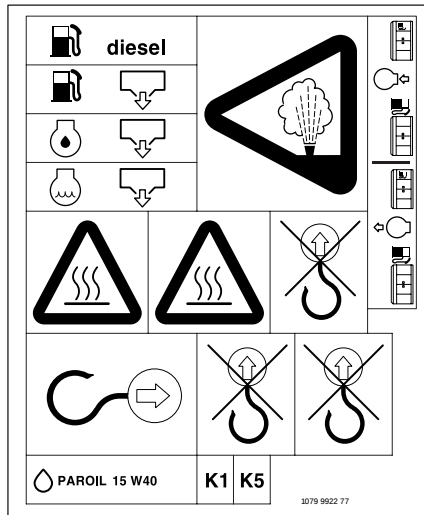
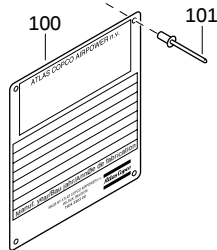


REF	PART NUMBER	DESIGNATION	QTY	REF	PART NUMBER	DESIGNATION	QTY
20	-	SILENCING FOAM	2				
25	-	SILENCING FOAM	2				
40	-	SILENCING FOAM	1				
45	-	SILENCING FOAM	1				
50	-	SILENCING FOAM	1				
55	-	SILENCING FOAM	1				
60	-	SILENCING FOAM	1				
65	-	SILENCING FOAM	1				
85	-	SILENCING FOAM	1				
90	-	SILENCING FOAM	1				
95	-	SILENCING FOAM	1				
100	-	SILENCING FOAM	1				
105	-	SILENCING FOAM	1				
110	-	SILENCING FOAM	1				
-	1079 0003 32	FOAM PLAST. PERMANENT ADHESIVE 2000 mm x 1500 mm x 30 mm					

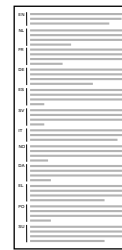
MARKINGS

Atlas Copco QAS 38 Yd TNV			
SERVICE PAK			
	Every 250 h	2912 6038 00	
	Every 500 h	2912 6039 00	
	Yearly (max. 2000 h)	2912 6040 00	
Engine oil PAROIL 15W40 PAROIL 5W30			
	5 l (1.3 US gal)	1615 5953 00	1604 6060 00
	20 l (5 US gal)	1615 5954 00	1604 6059 00
	210 l (55 US gal)	1615 5955 00	
Engine coolant PARCOOL EG			
	5 l (1.3 US gal)	1604 5308 00	
	20 l (5 US gal)	1604 5307 01	
	210 l (55 US gal)	1604 5306 00	

70



35



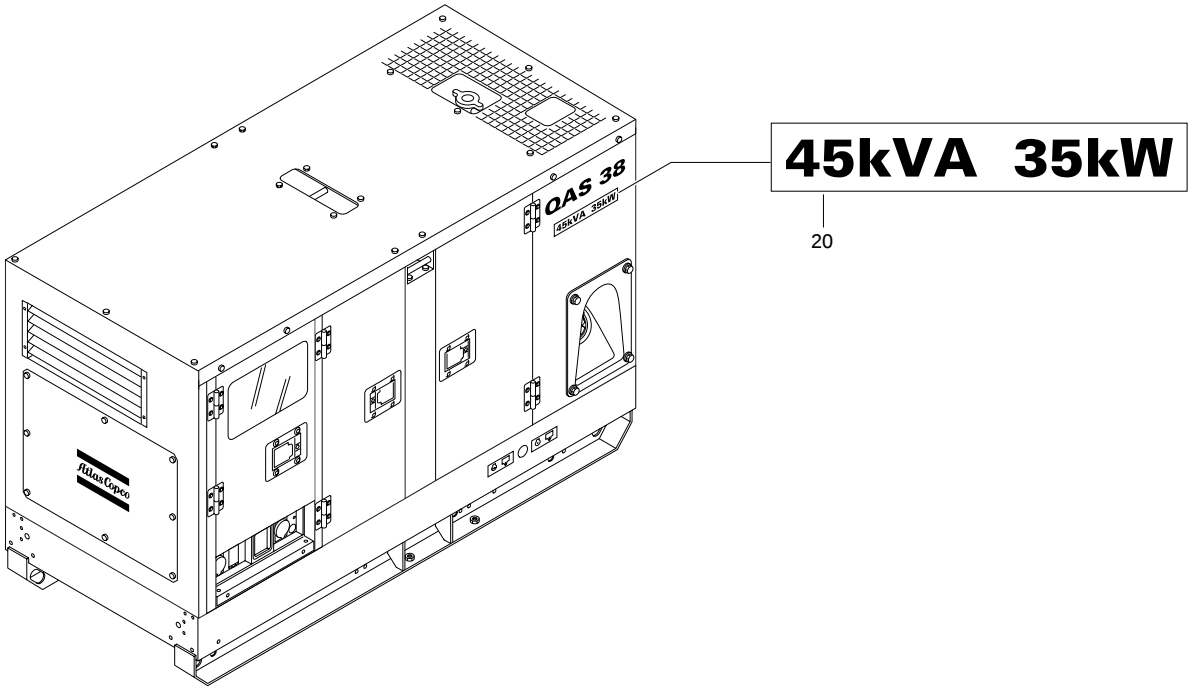
55



200

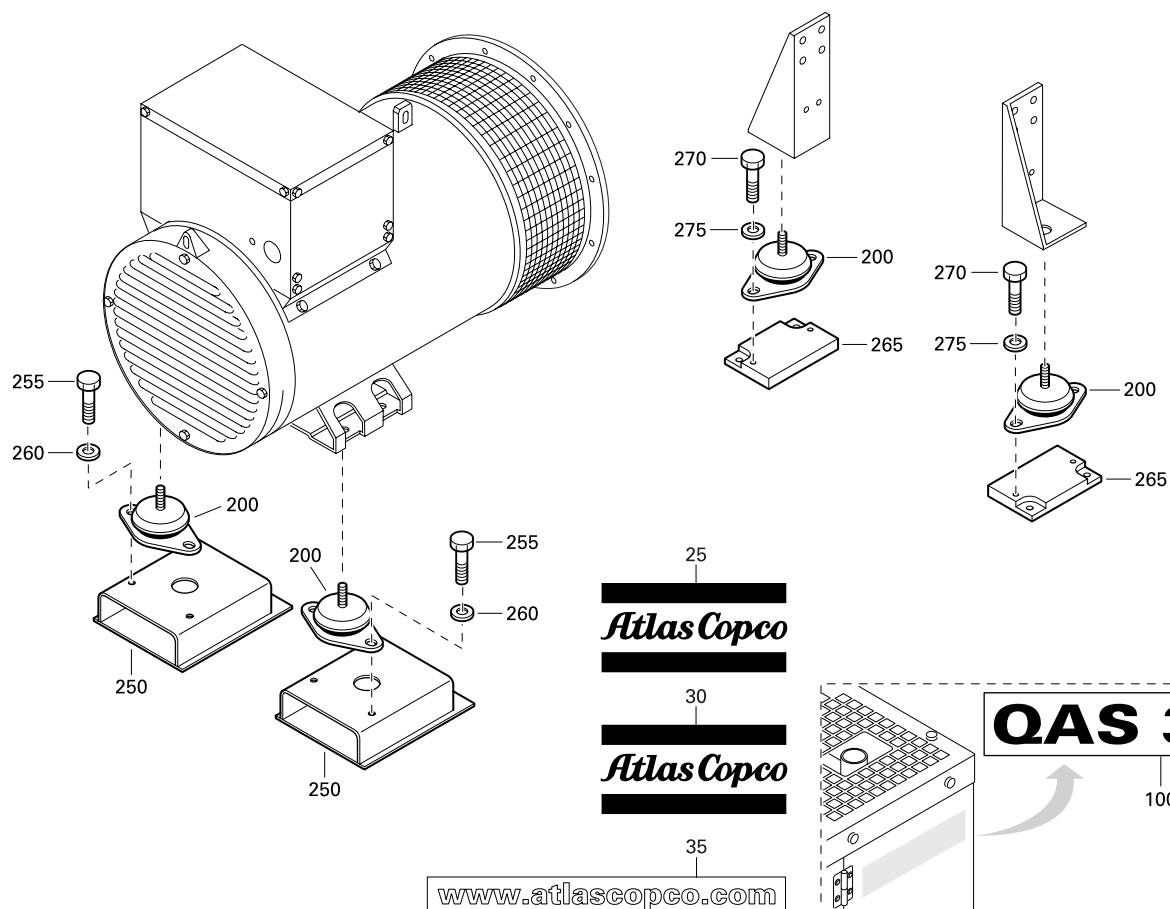
REF	PART NUMBER	DESIGNATION	QTY	REF	PART NUMBER	DESIGNATION	QTY
35	1079 9922 77	WARNING LABEL	1				
55	1079 9905 41	INSTRUCTION LABEL	1				
70	1079 9922 25	INFORMATION LABEL	1				
100	1604 3303 00	DATA PLATE	1				
101	0129 3270 34	BLIND RIVET	4				
200	1079 9903 61	LABEL	1				

DECALS



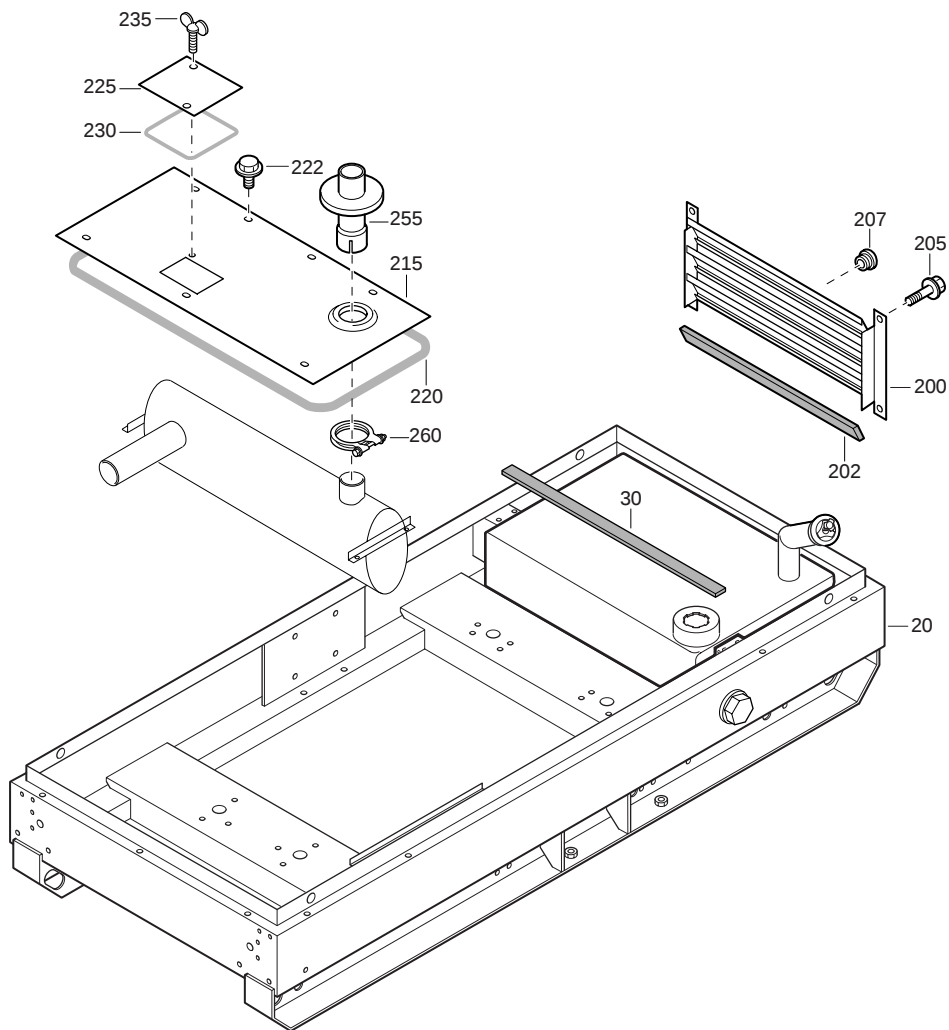
REF	PART NUMBER	DESIGNATION	QTY	REF	PART NUMBER	DESIGNATION	QTY
20	1079 9921 47	INFORMATION LABEL	2				

VARIANTS



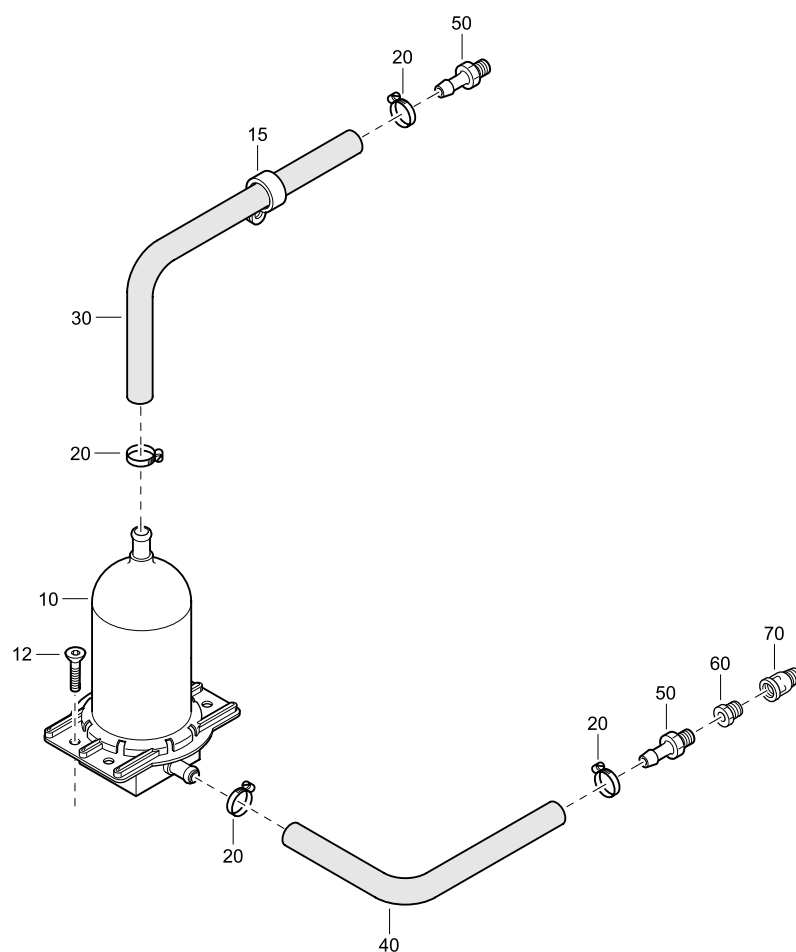
REF	PART NUMBER	DESIGNATION	QTY	REF	PART NUMBER	DESIGNATION	QTY
25	0690 1132 00	HOUSE MARK	2				
30	0690 1140 00	HOUSE MARK	2				
35	1079 9921 42	INFORMATION LABEL	1				
100	1604 2439 00	DECAL	2				
200	1619 5506 85	BUFFER ASSEMBLY	4				
250	1604 6168 00	BRACKET	2				
255	0147 1323 15	HEX. HEAD SCREW	4				
260	0301 2335 00	PLAIN WASHER	4				
265	1604 6169 00	BRACKET	2				
270	0147 1323 15	HEX. HEAD SCREW	4				
275	0301 2335 00	PLAIN WASHER	4				

SPILLAGE FREE



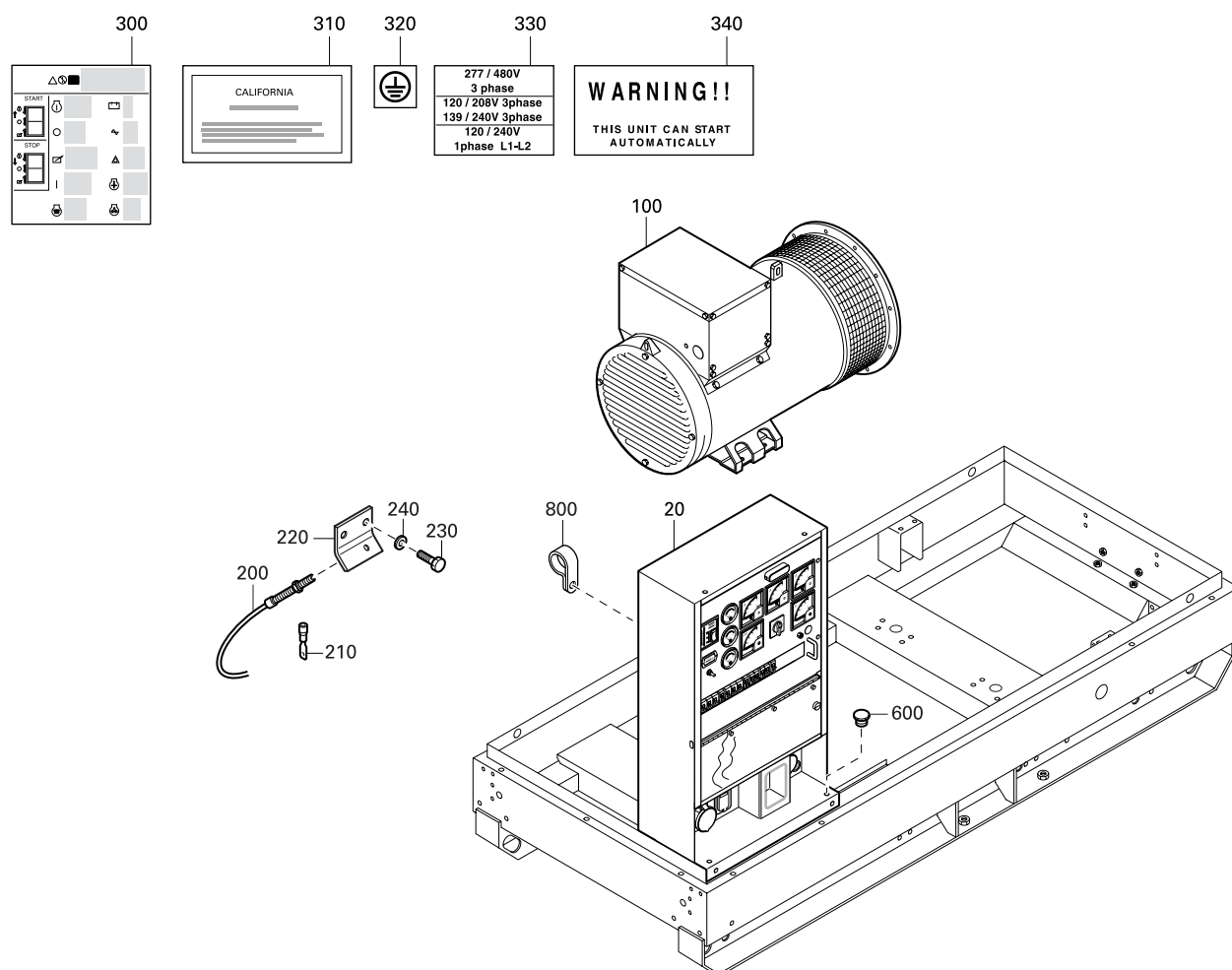
REF	PART NUMBER	DESIGNATION	QTY	REF	PART NUMBER	DESIGNATION	QTY
20	1615 9041 87	FRAME/FUELTANK (For details see page 35)	1				
30	1202 6584 00	SEAL	AR				
200	1615 9771 00	BAFFLE	1				
202	—	SILENCING FOAM	3				
205	1619 2766 00	BOLT	4				
207	1615 9743 00	PLUG	2				
215	1615 9052 01	PLATE(ROOF)	1				
220	1615 7057 00	SEAL	AR				
222	1615 5664 00	SCRAPER BOLT	7				
225	1615 9058 01	COVER	1				
230	1615 7057 00	SEAL	AR				
235	0223 1957 11	WING SCREW	2				
255	1615 9125 02	PIPE	1				
260	1604 3462 00	PIPE CLAMP	1				
—	1079 0003 32	FOAM PLAST. PERMANENT ADHESIVE 2000 mm x 1500 mm x 30 mm					

COOLANT HEATER



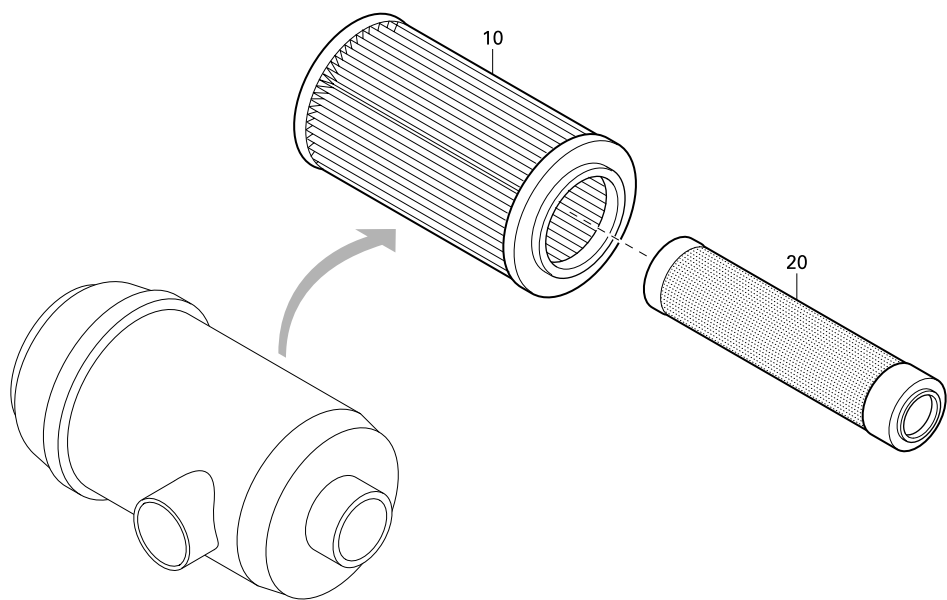
REF	PART NUMBER	DESIGNATION	QTY	REF	PART NUMBER	DESIGNATION	QTY
10	1089 9403 03	COOLANT HEATER	1				
12	0216 1247 03	HEX SOCK. SCREW	2				
15	1613 0804 02	PIPE CLAMP	1				
20	0347 6106 00	HOSE CLAMP	4				
30	0072 8403 16	HOSE	AR				
40	0072 8403 16	HOSE	AR				
50	9000 0244 00	HOSE NIPPLE	2				
60	0605 8514 00	BUSHING	1				
70	0607 5109 00	REDUCING SOCKET	1				

CUBICLE AND ACCESSORIES



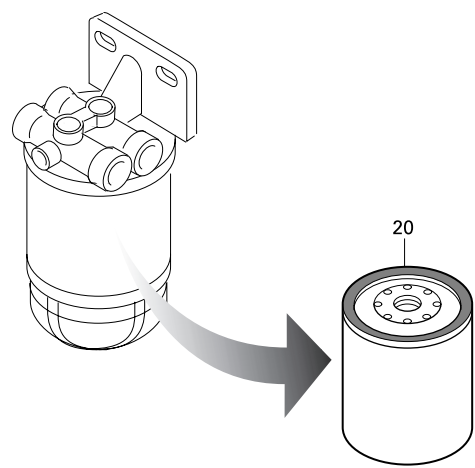
REF	PART NUMBER	DESIGNATION	QTY	REF	PART NUMBER	DESIGNATION	QTY
20	1900 1012 69	CUBICLE (For details see page 37)	1				
100	1615 9526 82	ALTERNATOR ASS'Y (For details see page 38)	1				
200	1089 9370 22	SPEED PICK-UP	1				
210	0694 5606 01	CABLE LUG	2				
220	1604 2035 00	BRACKET	1				
230	0147 1360 03	HEX. HEAD SCREW	2				
240	0301 2344 00	PLAIN WASHER	2				
300	1079 9920 57	LABEL	1				
310	1079 9902 47	WARNING LABEL	1				
320	1079 9916 68	INFORMATION LABEL	1				
330	1079 9909 44	INFORMATION LABEL	1				
340	1079 9903 16	WARNING LABEL	1				
600	1604 1046 00	PLUG	2				
800	1613 0804 02	PIPE CLAMP	1				

AIRFILTER



REF	PART NUMBER	DESIGNATION	QTY	REF	PART NUMBER	DESIGNATION	QTY
-	1615 6959 01	AIRFILTER					
		Item of list on page 19					
• 10	2914 9302 00	AIR FILTER	1				
• 20	2914 9303 00	SAFETY CARTRIDGE	1				

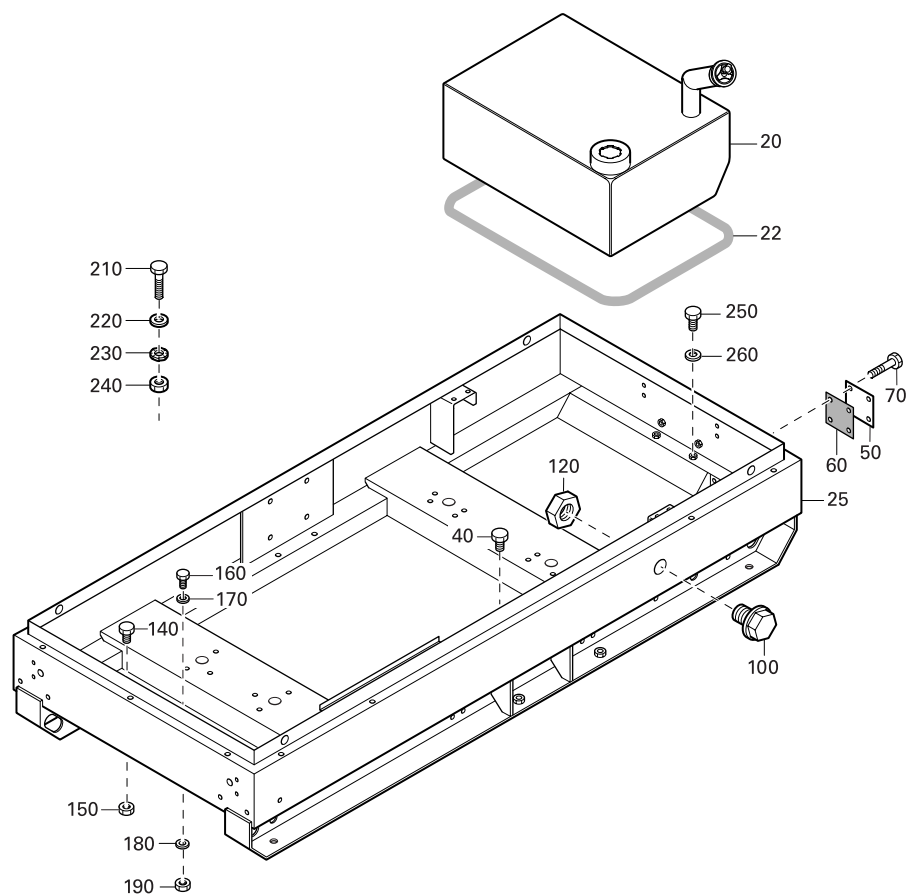
FUELFILTER



REF	PART NUMBER	DESIGNATION	QTY
-	1615 8929 00	FUELFILTER	
		Item of list on page 18	
• 20	2914 8092 00	FILTERELEMENT	1

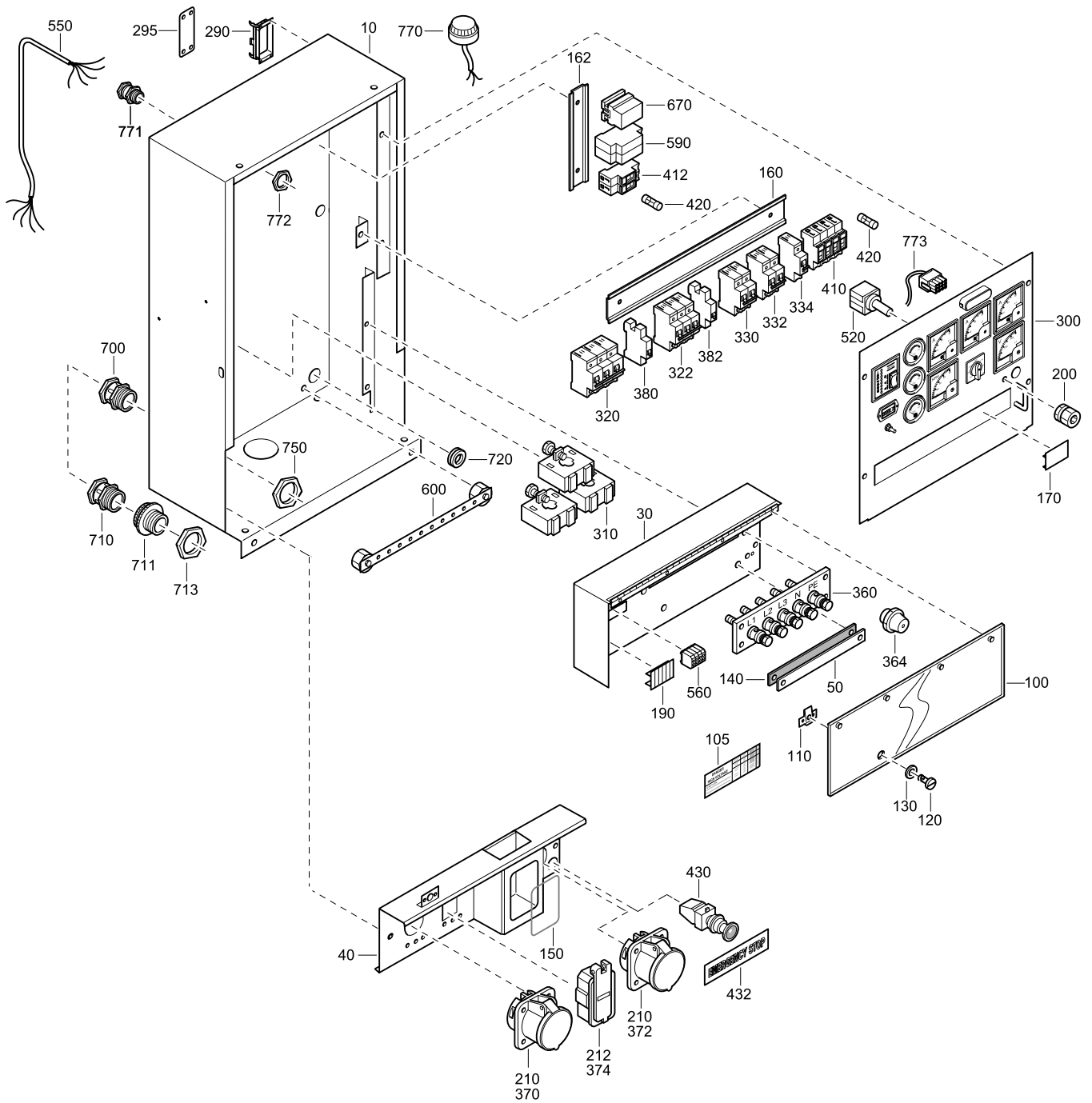
REF	PART NUMBER	DESIGNATION	QTY
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FRAME / FUELTANK



REF	PART NUMBER	DESIGNATION	QTY	REF	PART NUMBER	DESIGNATION	QTY
-	1615 9041 87	FRAME / FUELTANK					
		Item of list on page 30					
• 20	1604 2102 81	FUELTANK ASS'Y	1				
		(For details see page 14)					
• 22	1619 5188 00	SEAL	AR				
• 25	1615 9041 04	FRAME	1				
• 40	0686 6132 00	PLUG	3				
• 50	1615 9059 00	PLATE	1				
• 60	1615 9064 00	SEAL	1				
• 70	1619 2766 00	BOLT	4				
• 100	0686 3716 29	HEXAGON PLUG	1				
• 120	0623 2100 09	BACKNUT	1				
• 140	1088 0524 02	PLUG	2				
• 150	0697 9809 01	NUT	2				
• 160	0160 6040 00	SLOTTED SCREW	2				
• 170	0653 1003 00	FLAT GASKET	2				
• 180	0333 3214 00	LOCK WASHER	2				
• 190	0266 2106 00	HEXAGON NUT	2				
• 210	0147 1322 03	HEX. HEAD SCREW	8				
• 220	0653 1033 00	FLAT GASKET	8				
• 230	0333 3227 00	LOCK WASHER	8				
• 240	0266 2110 00	HEXAGON NUT	8				
• 250	0147 1362 03	HEX. HEAD SCREW	4				
• 260	0653 1057 00	FLAT GASKET	4				

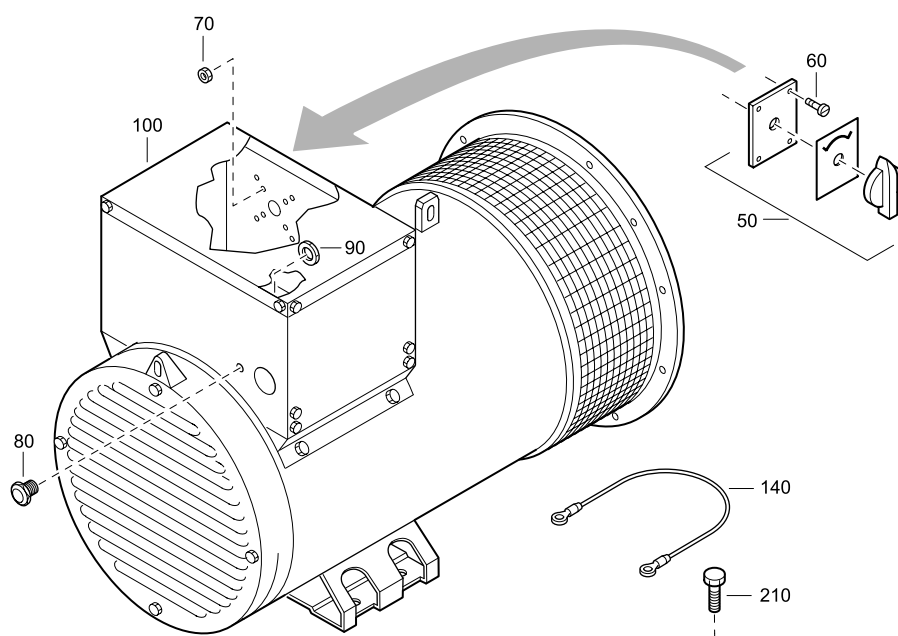
CUBICLE



CUBICLE

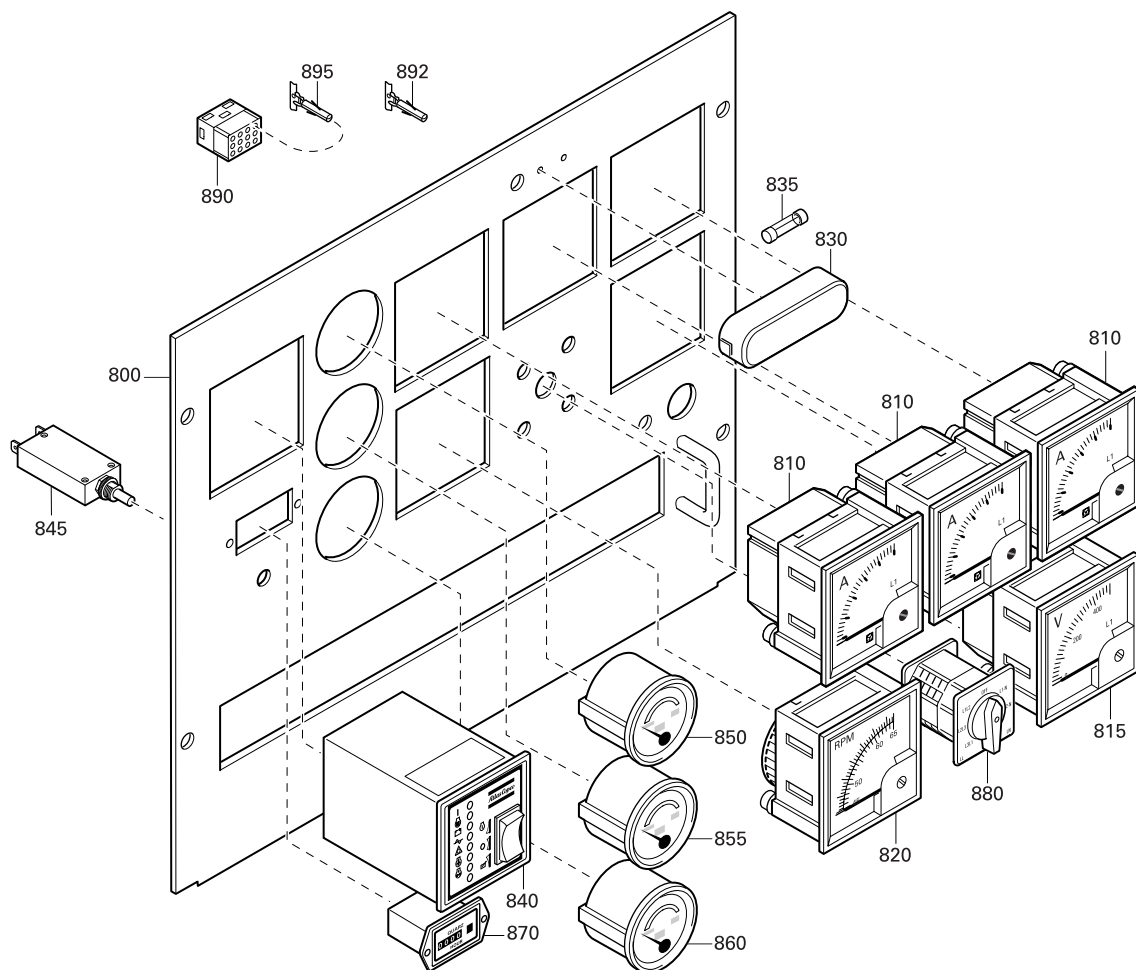
REF	PART NUMBER	DESIGNATION	QTY	REF	PART NUMBER	DESIGNATION	QTY
-	1900 1012 69	CUBICLE					
		Item of list on page 32					
• 10	1615 9330 07	CUBICLE	1				
• 30	1615 9333 00	T.B. PANEL	1				
• 40	1615 9341 01	SOCKET PANEL	1				
• 50	1615 9336 00	CABLE CLAMP	1				
• 100	1615 9339 00	PLEXI DOOR	1				
• 105	1079 9903 06	WARNING LABEL	1				
• 110	1615 6728 00	PLATE	1				
• 120	1615 7166 00	STUD	1				
• 130	1615 6727 00	WASHER	1				
• 140	1615 9337 00	SEAL	1				
• 150	1503 1056 00	SEAL	AR				
• 160	0090 1400 02	RAIL	AR				
• 162	0090 1400 02	RAIL	AR				
• 170	1088 0500 05	COVER PLATE	0,08				
• 190	1088 0027 01	COVER PLATE	6				
• 200	1089 9371 50	SPINDLE LOCK	1				
• 210	1089 9412 12	PROTECTION COVER	2				
• 212	1089 9412 11	PROTECTION COVER	1				
• 290	1088 0029 50	HOUSING	1				
• 295	1604 1964 00	COVER PLATE	1				
• 300	1900 1012 83	CONTROL PANEL	1				
		(For details see page 39)					
• 310	1089 9357 14	CURRENT TRANSFORMER	3				
• 320	1089 9472 62	CIRCUIT BREAKER	1				
• 322	1089 9472 35	CIRCUIT BREAKER	1				
• 330	1089 9472 25	CIRCUIT BREAKER	1				
• 332	1089 9472 25	CIRCUIT BREAKER	1				
• 334	1089 9472 21	CIRCUIT BREAKER	1				
• 360	1615 7008 01	TERMINAL BOARD	1				
• 364	1089 9385 02	ISOLATOR	1				
• 370	1089 9412 02	RECEPTACLE	1				
• 372	1089 9412 02	RECEPTACLE	1				
• 374	1089 9412 01	RECEPTACLE	1				
• 380	1089 9473 13	COIL	1				
• 382	1089 9473 13	COIL	1				
• 410	1089 9356 11	FUSE HOLDER	1				
• 412	1089 9356 13	FUSE HOLDER	2				
• 420	1089 9332 01	FUSE	5				
• 430	1089 9422 01	EMERGENCY STOP	1				
• 432	1079 9910 05	INFO LABEL	0				
• 520	1089 9371 20	POTMETER	1				
• 550	1615 7912 02	WIRE HARNESS	1				
• 560	1088 0027 02	TERMINAL	4				
• 590	1089 9384 01	AUXILIARY RELAY	2				
• 600	1604 2283 00	EARTH RAIL ASS'Y	1				
• 670	1089 9400 08	CONTACTOR	1				
• 700	1088 0256 27	CABLE GLAND	2				
• 710	1088 0256 27	CABLE GLAND	1				
• 711	0697 9743 00	REDUCING SLEEVE	1				
• 713	1088 0301 10	NUT	1				
• 720	1088 0801 26	GROMMET	1				
• 750	1088 0302 08	NUT	1				
• 770	1089 9429 02	FLASH LIGHT	1				
• 771	0698 5140 43	CABLE GLAND	1				
• 772	0697 9809 01	LOCK NUT	1				
• 773	1089 9457 05	CONNECTOR	1				

ALTERNATOR ASSY



REF	PART NUMBER	DESIGNATION	QTY	REF	PART NUMBER	DESIGNATION	QTY
-	1615 9526 82	ALTERNATOR ASS'Y					
		Item of list on page 32					
• 50	1089 9378 24	SELECTOR SWITCH	1				
• 60	0162 4170 00	SLOTTED SCREW	4				
• 70	0266 2106 00	HEXAGON NUT	4				
• 80	1088 0524 02	PLUG	1				
• 90	0697 9809 01	LOCK NUT	1				
• 100	1082 3052 23	ALTERNATOR	1				
• 140	1615 8250 00	WIRE ASSY	6				
• 210	1619 2766 00	HEX. HEAD SREW	1				

CONTROL PANEL



REF	PART NUMBER	DESIGNATION	QTY	REF	PART NUMBER	DESIGNATION	QTY
-	1900 1012 83	CONTROL PANEL					
		Item of list on page 37					
• 800	1615 9331 01	CONTROL PANEL	1				
• 810	1089 9381 17	AMPEREMETER	3				
• 815	1089 9383 01	VOLTMETER	1				
• 820	1089 9382 12	FREQUENCY METER	1				
• 830	1089 9354 01	PANELLIGHT	1				
• 835	1619 1609 00	BULB	1				
• 840	1089 9455 73	MODULE	1				
• 845	1089 9423 01	CIRCUIT BREAKER	1				
• 850	1089 0630 21	TEMPERATURE GAUGE	1				
• 855	1089 0565 23	PRESSURE GAUGE	1				
• 860	1089 0631 01	FUEL GAUGE	1				
• 870	1089 9420 01	HOURLMETER	1				
• 880	1089 9082 22	VOLTAGE SWITCH	1				
• 890	1088 0029 45	MALE INSERT	1				
• 892	1088 0029 56	MALE CONTACT	9				
• 895	1088 0029 55	MALE CONTACT	2				



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Parts List for AC Generators

QAS38 YdS TNV

