

FASTERHOLT IRRIGATORS

FM 5500H

OPERATORS INSTRUCTIONS & SPARE PARTS CATALOG



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PLEASE READ THIS THOROUGHLY BEFORE USING THE NELSON SR 150 GUN

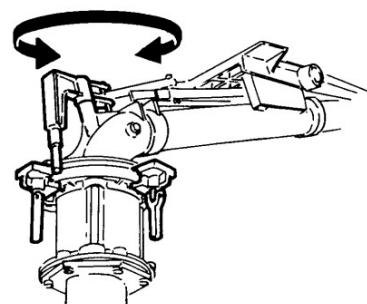
The Nelson SR 150 gun is adjusted for Danish environmental conditions from the factory and is ready to be used after taking care of the following the points:

- 1) To mount the Nelson SR 150 gun. Fit the gasket and mount the gun with the six enclosed bolts.
- 2) Choose the size of nozzle that fit your purpose and mount it. The performance of the different sizes is shown in the table below.
- 3) Adjust the stop impact on the part circle to get the wanted irrigation circle.

1 Adjusting:

The only thing you can adjust is the counterweight on the driving arm. By moving the counterweight forward, the gun irrigates slowly from side to side, and by moving the counterweight backwards, it irrigates more quickly.

If the gun doesn't irrigate quickly enough, the brake springs (no. 778474) can be dismantled in pairs. Please contact the service department.



WARNING: NEVER ADJUST WHILE THE GUN IS OPERATING!

DANGER: HIGH WATER PRESSURE – KEEP YOUR

DISTANCE!

TABEL FOR NELSON SR 150

Fasterholt Maskinfabrik A/S
Table for FM – irrigation machines

FASTERHOLT

Nelson SR 150 Conic nozzle	Nozzle pressure in bar	Water consumption m ³ /h.	Spread width in m.	Irrigated area in hectare per in pull with a hose length of:									Speed per hour: Approx. precipitation in mm.										
				450m	500m	550m	600m	700m	800m	900m	1000m	10m	15m	20m	25m	30m	35m	40m	45m	50m	55m	60m	
ø 17,80 mm (0,70")	3,5	23,0	60,8	2,9	3,2	3,5	3,8	4,4	5,0	5,6	6,2	38	25	19	15	13	11	9	8	7	6	5	
	4,0	24,6	63,7	3,0	3,3	3,6	3,9	4,6	5,2	5,9	6,5	39	26	19	15	13	11	10	9	8	7	6	
ø 20,30 mm (0,80")	5,0	27,5	68,3	3,2	3,6	3,9	4,2	4,9	5,6	6,3	7,0	40	27	20	16	13	12	10	9	8	7	6	
	6,0	30,1	71,8	3,4	3,7	4,1	4,5	5,2	5,9	6,6	7,3	42	28	21	17	14	12	10	9	8	7	6	
ø 22,90 mm (0,90")	3,5	29,8	65,6	3,1	3,4	3,7	4,1	4,7	5,4	6,1	6,7	45	30	23	18	15	13	11	10	9	8	7	
	4,0	31,9	68,5	3,2	3,6	3,9	4,2	4,9	5,6	6,3	7,0	47	31	23	19	16	13	12	11	10	9	8	
ø 25,40 mm (1,00")	5,0	35,7	73,3	3,4	3,8	4,2	4,5	5,3	6,0	6,7	7,5	49	33	24	20	16	14	12	11	10	9	8	
	6,0	39,1	77,4	3,6	4,0	4,4	4,8	5,6	6,3	7,1	7,9	51	34	25	20	17	14	13	12	11	9	8	
ø 27,90 mm (1,10")	3,5	37,8	70,4	3,3	3,7	4,0	4,4	5,1	5,8	6,5	7,2	54	36	27	22	18	15	13	12	11	9	8	
	4,0	40,4	73,3	3,4	3,8	4,2	4,5	5,3	6,0	6,7	7,5	55	37	28	22	18	16	14	13	11	9	8	
ø 30,50 mm (1,20")	5,0	45,2	78,9	3,7	4,1	4,5	4,9	5,7	6,5	7,3	8,0	57	38	29	23	19	16	14	13	11	9	8	
	6,0	49,5	83,2	3,9	4,3	4,7	5,2	6,0	6,8	7,6	8,5	59	40	30	24	20	17	15	13	11	9	8	
ø 33,00 mm (1,30")	3,5	46,9	76,0	3,6	4,0	4,3	4,7	5,5	6,2	7,0	7,8	62	41	31	25	21	18	15	13	11	9	8	
	4,0	50,1	78,2	3,7	4,1	4,5	4,8	5,6	6,4	7,2	8,0	64	43	32	26	21	18	16	14	12	10	8	
ø 25,40 mm (1,00")	5,0	56,0	84,0	3,9	4,4	4,8	5,2	6,0	6,9	7,7	8,6	67	44	33	27	22	19	17	15	13	11	9	
	6,0	61,3	88,0	4,1	4,6	5,0	5,5	6,3	7,2	8,1	9,0	70	46	35	28	23	20	17	15	13	11	9	
ø 27,90 mm (1,10")	3,5	57,1	80,8	3,8	4,2	4,6	5,0	5,8	6,6	7,4	8,2	71	47	35	28	24	20	18	16	14	12	10	
	4,0	61,0	83,2	3,9	4,3	4,7	5,2	6,0	6,8	7,6	8,5	73	49	37	29	24	21	18	16	14	12	10	
ø 30,50 mm (1,20")	5,0	68,2	88,8	4,2	4,6	5,1	5,5	6,4	7,3	8,1	9,0	77	51	38	31	26	22	19	17	15	13	11	
	6,0	74,7	93,6	4,4	4,9	5,3	5,8	6,7	7,6	8,6	9,5	80	53	40	32	27	23	20	18	16	14	12	
ø 33,00 mm (1,30")	3,5	68,3	84,0	3,9	4,4	4,8	5,2	6,0	6,9	7,7	8,6	81	54	41	33	27	23	20	18	16	14	12	
	4,0	73,0	87,2	4,1	4,5	5,0	5,4	6,3	7,1	8,0	8,9	84	56	42	34	28	24	21	19	17	15	13	
ø 33,00 mm (1,30")	5,0	81,7	93,6	4,4	4,8	5,3	5,8	6,7	7,6	8,6	9,5	87	58	44	35	29	25	22	20	18	15	13	
	6,0	89,5	98,4	4,6	5,1	5,6	6,1	7,0	8,0	9,0	10,0	91	61	45	36	30	26	23	21	18	15	13	
ø 33,00 mm (1,30")	3,5	80,1	88,0	4,1	4,6	5,0	5,5	6,3	7,2	8,1	9,0	91	61	46	36	30	26	23	21	18	15	13	
	4,0	85,7	91,2	4,3	4,7	5,2	5,7	6,5	7,4	8,4	9,3	94	63	47	38	31	27	23	21	18	15	13	
ø 33,00 mm (1,30")	5,0	95,8	96,8	4,5	5,0	5,5	6,0	6,9	7,9	8,9	9,8	99	66	49	40	33	28	25	22	19	16	13	
	6,0	105,0	102,4	4,8	5,3	5,8	6,3	7,3	8,3	9,4	10,4	103	68	51	41	34	29	26	23	20	17	14	

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Important!!!

READ THOROUGHLY BEFORE YOU START USING YOUR IRRIGATOR!

Operator instructions for Fasterholt FM48-4900H with double pump.

Having purchased a Fasterholt irrigator, you have got a Danish quality irrigator. But even the best of machines only yield top results, when it is used and operated correctly.

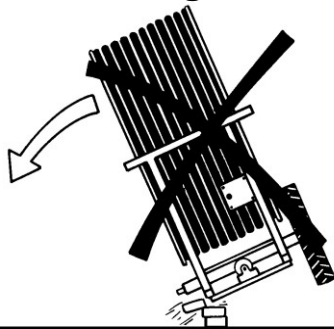
To maintain the machine directive – in accordance with EU agreement, it is necessary and important only to use original spare parts. Otherwise the agreement cannot be observed, and the safety will be entirely your own responsibility.

This irrigator is produced to use clean water from a drilling or a stream.

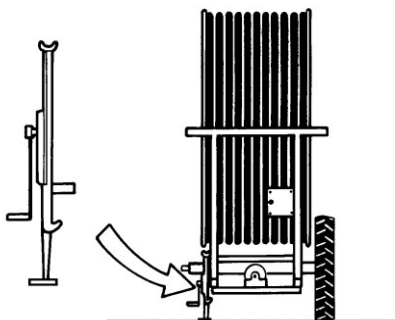
1. Safety guidelines and warnings

- Staying on the machine during irrigation and transport is prohibited! **It is dangerous!**
- The shields are mounted for your safety – do not remove them!
- Remember to re-tighten the wheel bolts.
- When starting the machine in slope terrain, be very careful NOT to disconnect the tractor from the machine until it is in gear. Otherwise the machine might run away.
- If a rear wheel is dismantled, the machine must be VERY solidly chocked up. If it tilts, it will turn over on the side.

Warning !!



When dismantling a wheel
USE A JACK!



- Emergency stop of the machine is done by pulling the wire to the clamp – or pressing STOP on Constant rain/Programme rain.
- The gun must point sideways while the machine is placed in position.
- **STEP ASIDE** when the gun is working.
- **WARNING** against any contact with electric wires from machine or jet of water. Avoid irrigation on or close to power lines.
- During transportation on rough road or field always drive very carefully minding the conditions.
- Maximum pace during transportation with water in the hose is 15 km/h.
- Always use chocks mounted by the rear wheels when parking the machine.
- **DANGER!** Avoid welding on painted areas. In case of welding all paint must first be removed from the welding area.
 - Avoid inhaling of grind dust.
 - Hydraulic oil can be damaging to your health because:
 - Contact with skin can cause allergy
 - Inhalation of oil fumes can cause lung diseases
 - If a leak is found in the hydraulic system, stop the machine and repair the leak immediately.
 - Leak of oil under high pressure is dangerous, because a jet of oil can cut into skin, eyes i.e.
 - Oil from a working machine is at least 70 degrees Celsius. This can cause risk of scalding.

IMPORTANT! Maximum recharge effect on the battery is 2 ampere. Recharging with more than 2 ampere might cause cracking the battery. The battery must be re-charged at a temperature between 0 and 40 degrees Celsius. Never place the battery in a closed container while recharging. During the winter season the battery must be dismantled and kept indoor fully recharged at a dry place.

- Avoid sparks and flames on and close to the battery.
- Avoid short-circuiting the battery.
- Never disassemble the battery.
- If contact with sulphuric acid from the battery, immediately wash with water. If the acid gets in contact with eyes, wash thoroughly with water and see a doctor immediately.
- Mind the battery cabinet. If there is any cracks, deformity or leak from electrolyte, the battery should be changed immediately.
- If the battery is dirty, it should be cleaned.

Disposal of oil waste:

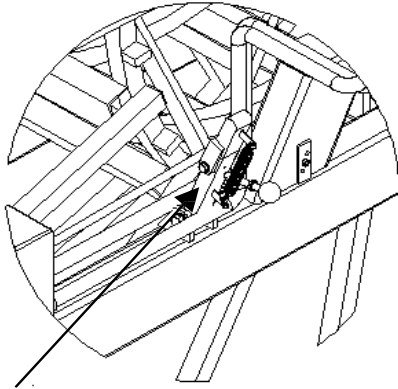
- If oil waste is observed, it must be cleansed with cloths or oil absorbing powder. Products, cloths and powder from the oil waste must be kept in closed metal containers and delivered at the local waste site.
- Batteries, tyres, hoses and other parts from the irrigator should be disposed at an approved waste site.

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2. Starting the FM5500H with double pump

Drive the machine to the field in transportation position. When the machine is at the crop that needs irrigation, disconnect the tractor from the front draw. Connect the tractor to the rear draw. The plug for electric brake is mounted in socket to get light on the tractor. Now turn into the crop and stop.

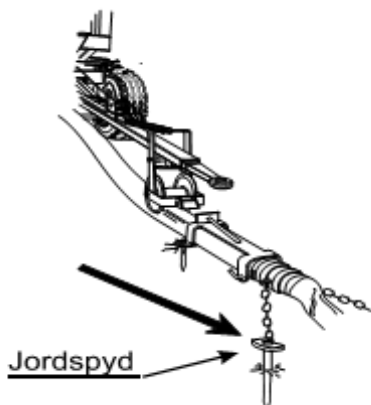
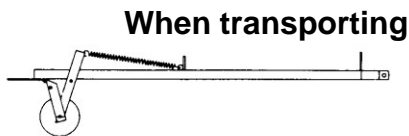
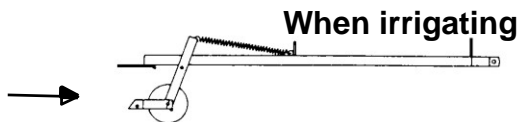
Release the stop pawl by the hose drum.



The stop pawl by the hose drum must be released, while laying out the hose.

Remember! When starting the machine in slope terrain, be very careful NOT to disconnect the tractor from the machine until it is in gear. Otherwise the machine might run away.

Safety stop

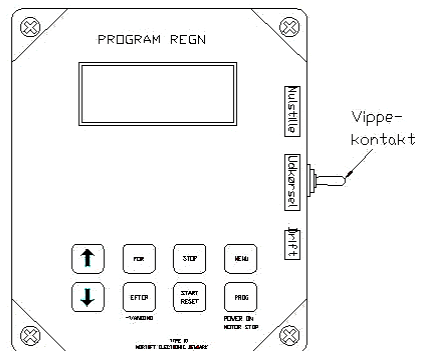


Ground spear

Secure the hose chains with the long ground spears. Lower the draw pole over the hose and release the safety stop to make the hose roll run on the hose.

Drive the machine in position at maximum **5 km/h**, to make sure that the electric brake can keep the hose tight. If the hose isn't laid straight out, **be very observant** that the hose constantly is tight on the hose drum.

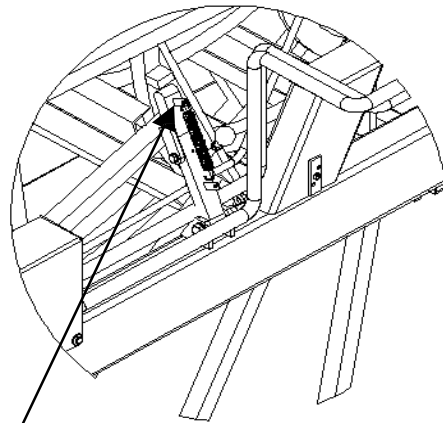
Notice that the machine should be driven all out at least every third time. Before driving the machine in position, reset the Constant rain/Programme rain to zero point. Pressing the tip switch, which is mounted on the side of the electric box, upwards, does this.



While driving the machine into position, the tip switch must be centred. This way it cannot reset. When in position, press the tip switch downwards to make the machine run.

REMEMBER! Always press the tip switch downwards when ready to irrigate, otherwise the machine cannot run.

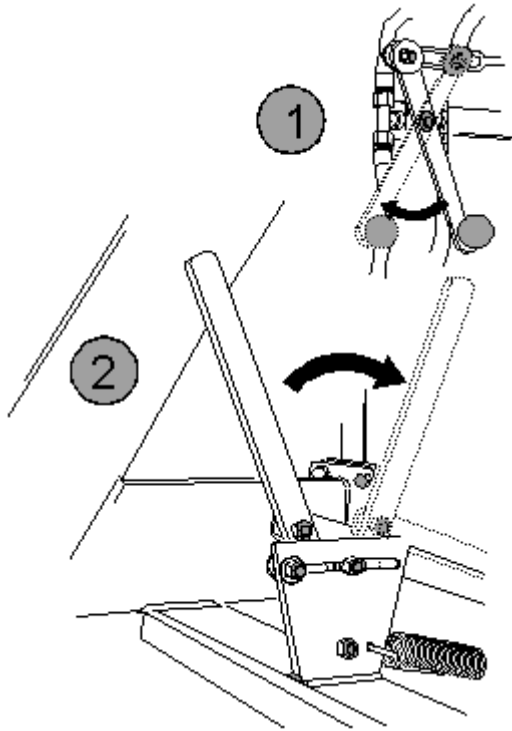
3. Preparing the machine to irrigate



The stop pawl by the drum is set on action
Remember to release the electric brake and remove
The plug from the tractor

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1. Prepare the machine after irrigation



After having finished irrigation, the cock by the circulation is pressed in (**Press handle "1" in**) to get gearbox out of gear. (Pull out handle "2"). If there are tensions in rear axle assembly, turn the entry axle with an open-ended spanner to release the coupling.

REMEMBER the coupling must always be released when the machine doesn't operate. (Pull back the cock to coupling)

4. Maintenance

Once every week:

Make sure that there is no water in the oil on the rear axle assembly or the hydraulic system. Steering gear, roller chain for hose steering, roller chain for forward pull and cross track axle for hose steering must be greased in water-repellent grease.

Control of tyre pressure:

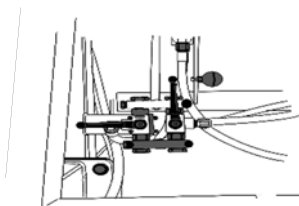
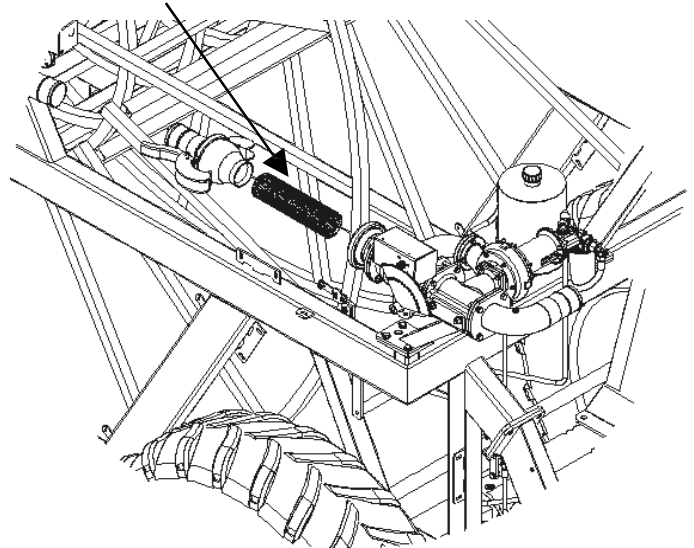
Air pressure in rear wheels: FM5500H : 2.4 bar

Air pressure in front wheels: FM5500H : 2.7 bar

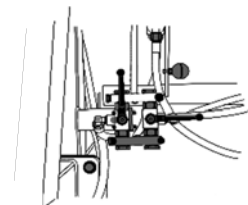
Make sure that front and rear pull are simultaneous.

Remember to close the cock to coupling (**Pull out handle "1"**) and couple with the clutch handle. (**Press handle "2"**). Mount the feed hose on the hydrant. After-wards open hydrant, start the pump and begin irrigation. To start irrigation check operator instructions on CONSTANT RAIN/PROGRAMME RAIN. Set machine in gear. (Remember to choose the right gear according to the speed you want to drive. (Check the table underneath or on the machine if electric steering.)

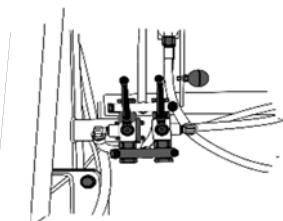
The filter by the outtake to turbine cleaned when necessary.



1.GEAR
18-30 meter
per. Hour



2.GEAR
25-40 meter
per. Hour



3.GEAR
40-70 meter
per. Hour

Make sure that the hose lies correct on the hose drum. Remember frequently to control steering bug in hose steer.

Remember to tighten the wheel bolts frequently.

Tightening of bolt in rear wheels: 450 Nm

Tightening of bolts in front wheels: 330 Nm

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NOTICE:

The battery must be recharged once a month during season to maintain full effect and extend life span.

5. Winter preparation

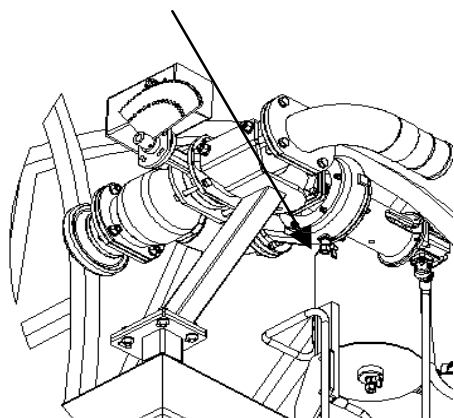
Empty the machine for water:

The machine is only emptied by the use of air. Always use a special compressor to empty the machine.

REMEMBER!!

Open filter by the coupling

Open the cock in the bottom of the turbine



On machines with stop for high-pressure press START button, to open the main valve and to let the water run out by itself. (Dismount wire to battery so that the stop valve does not close).

The battery is dismantled and not mounted again until the next time the machine is used.

Greasing of:

Front wheel hub, front wheel spindle, hose steer, bearing on hose steer and big wheel.

Oil in rear axle assembly and hydraulic tank is checked for water. The oil in rear axle assembly and flat gear should be checked every 1000 hours. Hydraulic oil and filter should be changed every two years.

Steering gear, roller chain for hose steering, roller chain for forward pull and cross track axle for hose steering must be greased in water-repellent grease.

Control of tyre pressure.

Steering bug should be changed every two years.

7. Defects on the irrigation machine

1. If the machine irrigates but does not drive:
 - a. Control that it is set in gear.
 - b. Control that the machine is pre-irrigating or pro-irrigating. (See on display under menu 3).
 - c. Control that the cock for pressure drop is closed.
 - d. Control that the end stop feeler is in place. (See on display under menu 2).

Control that the tip switch is pressed downwards to make the machine run.

e. Control that the cock to free coupling is closed (at the hydraulic motor).

f. Control that the filter by the outtake to turbine is not blocked.

h. Control that the turbine runs easily.

2. If the machine does not roll the hose correctly it might be because:
 - a. The hose steer needs adjustment. Dismounting the chain from the hose steer to the cross track axel does the adjustment. Then turn the cross track axel until the hose steer again fits with the hose. Now mount the chain again.
 - b. The steering bug is worn out and needs to be replaced.
 - c. There is not enough pressure on the drum uptake. (Require a fitter)
3. The forced steering in front and back does not follow and the forced steering spring on influence:
 - a. There is a leak at the coupling or assembling, so that the oil has run out, and there is air in the system.
 - b. The system needs to be aired. (Require a fitter).

8. Data for FM 5500H w. doublepump

Hose PEL 125 mm:

Capacity up til 100 m³ - Hose length from 650 til 1000 m
Dimensions of wheels:

Rear wheel: 600/65x28" x 16 (ply) – air pressure: 2.4 bar
Front wheel: 500/50x26,5" x 16 (ply) – air pressure: 4.1 bar

Speed at 55 m³ and more: 20 - 45 meters/h.

Weight – FM 5500H:

Weight without water and with 1000m 125mm hose:
7940 kg.

Weight with water and with 1000m 125mm hose:
16590 kg.

Gap between wheels:

Standard: 2050 mm

Gun: Nelson SR 150

Oil in rear axle assembly: 27 liters 80/90 gear oil

Oil in flat gear: 1,5 litres 80/90 gear oil

Oil in gear with oil motor: 3,5 litres 80/90 gear oil (every 2.year)

Hydraulic oil: 14 litres STATOIL Hydraway Hvxa 46

Grease for lubrication: STATOIL Moly Way EP2

Machine dimensions:

Width: 265 cm

Length without pull bar: 825 cm

Length with pull bar: 1060 cm

Height: 434 cm

Program Rain 10-12



Features:

Speed regulation
Pre- and post-irrigation
4 different speeds
Clock
Start time is adjustable
Stop time is shown in the display
Length of the pipe
Actual speed
Battery voltage

Charge regulation
Pressure sensor
Stop sensor
Speed sensor
Motor 1, regulation motor
Motor 2, stop motor
Slowly start of turbine
Slowly opening for inlet of water

Options:

GSM SMS messaging for remote control.
Analog Pressure gauge

Short hand manual



Place machine:

SPEED	30.0m/h
DOSE	22 mm
TIME	7:28 STOP 7:28
STATUS	STOP Sensor

Place machine at hydrant, Display shows the same start and stop time. Wheel out hose to the end of lane. (ex 250m)

Select Speed:

SPEED	30.0m/h
DOSE	22 mm
TIME	7:56 STOP17:16
STATUS	STOP Sensor

Display now shows stop after 9h20m. Press "+" or "-" keys for the right speed. Speed can be changed during Irrigation.

SPEED	25.0m/h
DOSE	26 mm
TIME	7:58 STOP17:58
STATUS	STOP Sensor

SPEED has decreased, **DOSE** and **STOP** has increased.

Start Irrigate, Select PRE- and POST Irrigation.

SPEED	25.0m/h
DOSE	26 mm
TIME	7:58 STOP17:58
STATUS	STOP Sensor

Press **START** For starting, For PRE- and POST Irrigation, press **PRE-** and **POST-** irrigation key's. STOP time vil increase when pressing PRE- and Post irrigation.

Starting:

SPEED	25.0m/h
DOSE	26 mm
TIME	8:00 STOP18:38
STATUS	Running

Turbine will start, as water pressure increases, after a while the regulator finds the correct speed.. Irrigation is continued until end of lane and **STOP SENSOR** is activated.

-PRE Irrigation

SPEED	25.0m/h
DOSE	26 mm
TIME	8:02 STOP18:38
STATUS	PRE Irrigate

If PRE irrigation is activated, Turbine will stop again immediately and PRE Irrigation takes place. When pre irrigation time has elapsed, turbine starts and state changes to **Running**

-POST Irrigation

SPEED	25.0m/h
DOSE	26 mm
TIME	18:20 STOP18:38
STATUS	POST Irri.

If POST irrigation is activated, Turbine will stop at end, when stop sensor is activated, and POST Irrigation will take place.

Stop:

SPEED	25.0m/h
DOSE	26 mm
TIME	18:38 STOP18:38
STATUS	STOP Sensor

Stop sensor is activated, Turbine and Irrigation is shut down. Machine is ready for disconnection and transport to a new lane.

MENU's

SPEED	30.0m/h
DOSE	22 mm
TIME 14:10 STOP 7:43	
STATUS	Running

Standard readout

ZONE	1	30.0m/h
DOSE		22 mm
TIME 14:10 STOP 7:43		
STATUS		Running

Standard readout, Zone Active

DISTANCE	123m
BATTERY	12.8V
CHARGE ON	0.231A
PRE. 0:45 POST 0:45	

Press the key **MENU** 1 time for showing menu 2

PRESS SENSOR		■
STOP SENSOR		■
SPEED SENSOR	■	■
MOT1 0.0A MOT2 1.8A		

Press the key **MENU** 2 times for showing menu 3

ACTUAL SPEED	22m/h
START	0:00
STOP	7:45
WORKING HOURS	123h

Press the key **MENU** 3 times for showing menu 4

0m	30.0m/h	0m
0m	30.0m/h	0m
0m	30.0m/h	0m
0m	30.0m/h	0m

Press the key **MENU** 4 times for showing the menu 5

SIGNAL	23
NETWORK HOME	
A: +45123456	
B: +45234567	

Press the key **MENU** 5 times for showing the menu 6
(Only when GSM is selected)

When the sign ■ is shown in the display, it means that this function is on.

Standard menu:

SPEED	30.0m/h
DOSE	22 mm
TIME	14:10 STOP 7:43
STATUS	Running

Standard readout

SPEED

Speed can be changed at any time during the irrigation, using “+” and “-“ keys.

ZONE

Actual Zone 1..4, with corresponding speed. Speed can not be changed. (Zone Active)

DOSE

Dose is calculated by means of constants, and shows the actual mm for irrigation. When **SPEED** increases, **DOSE** decreases. (Constants 11 and 12)

TIME

To set the time: first set the speed to 11.1 m/h, and then press the **PROG** key 3 times, showing <CONST 1 TIME>, the time can then be set with the “+” and “-“ keys. When the battery has been removed the time is 00:00, and is remaining zero until it is set.

STOP

Time when the irrigation is finished incl. pre- and post-irrigation.

STATUS

Status of Irrigating ei:

```
<Stop Sensor >
<Running >
<PRE Irrigate >
<POST Irrigate>
<LOW Pressure >
```

see explanation in **STATUS** chapter

If the display shows **LOW BAT** in stead of **SPEED**, the battery voltage is lower than 11.8 V and the battery need to be charged.

MENU 2

DISTANCE	123m
BATTERY	12.8V
CHARGE ON	0.231A
PRE.	0:45
POST	0:45

DISTANCE

The remaining length of the pipe. Distance can be changed immediately after pressing **PROG** key 3 times, with the “+” and “-“ keys

BATTERY

The battery voltage.

CHARGE ON

Shows if the battery is charged from the solar panel.
The battery is charged when the voltage is below 14.0 volt.

PRE.

The actual pre irrigation time.

POST

The actual post irrigation time.

Pre- and Post irrigation time can be changed immediately after pressing **PRE-** or **POST-** with the “+” and “-“ keys

MENU 3

PRESS SENSOR		■
STOP SENSOR		■
SPEED SENSOR	■	■
MOT1 0.0A	MOT2	1.8A

PRESS SENSOR

Shows if the pressure is high, the marker is on when the water pressure is high.

The machine can only work when the pressure is high.

If pressure sensor not selected (machine data 14 = 0), irrigating is performed disregarding pressure status.

Machine can be equipped with analog pressure gauge. Gauge is connected on 6 Pol connector as in diagram. The functionality is as digital, except the actual pressure is shown in display. Constant is available for gauge type. Likewise, the set point and hysteresis selectable for each machine.

PRESSURE	6.2	■
STOP SENSOR		■
SPEED SENSOR	■	■
MOT1 0.0A	MOT2	0.0A

Pressure is shown in [BAR] (00.0) or [PSI] (000). The ■ shows pressure is on.

The machine can only work when the pressure is high.

If pressure sensor not selected (machine data 14 = 0), irrigating is performed disregarding pressure status.

PRESSURE	--.-	
STOP SENSOR		■
SPEED SENSOR	■	■
MOT1 0.0A	MOT2	0.0A

If gauge is disconnected, --.- is shown in display

STOP SENSOR

Shown if the stop switch is activated, the marker is on when the stop switch is on.

The machine can only work when the stop switch is on.

The stop switch has 3 functions:

- 1: Resets the distance counter.
- 2: Post-irrigation.
- 3: Inhibits the pulses to the regulator-motor.

SPEED SENSOR

For testing the speed sensor, the markers is on when the magnets activates the speed sensors.

MOT1 , MOT2

The actual Current used by motor. The motor is stopped when the current exceeds 4.5 A. If current exceeds 4.5A, and the motor has not reached their end position, there is a blocking inside the valve.

MENU 4

ACTUAL SPEED	22m/h
START	0:00
STOP	7:43
WORKING HOURS	123h

ACTUAL SPEED

Shows the actual speed that means the speed the machine is running now. This can be used to check the maximum running speed for the machine, if the Program Rain is set to a much higher speed than the machine can run.

The actual speed can differ from the set speed, especially in the start, this is not an error because the Program Rain ensures that the mean speed over 10 m is correct.

START

The starting time, it is a time delay, so the machine will start up to 24 hours later.

To set the starting time, press the " PROG " key 3 times and the time can be set with the "+" and "-" keys.

STOP

Time when the irrigation has finished at delayed start.

WORKING HOURS

The total working hour since the electronic was started the first time.

MENU 5

0m	30.0m/h	0m
0m	30.0m/h	0m
0m	30.0m/h	0m
0m	30.0m/h	0m

This is for irrigation with 4 different speeds in the retraction.

Press the " PROG " key 3 times for programming the zones.

See later in this paper for more details.

MENU 6

SIGNAL 23
NETWORK HOME
A: +45123456
B: +45234567

SIGNAL GSM signal strength.
NETWORK GSM network type
A: First phone number on “SMS” list.
B: Second phone number on “SMS” list

Detailed explanation in chapter GSM.

START:

The turbine can only start if the magnet activates the stop sensor (or stop sensors), see menu 3 for controlling the stop sensor. When the **START** key is pressed, the main valve opens. Next the by-pass valve closes (the turbine starts). If the magnet does not activate the stop sensor, it is only the main valve that opens; this is used if the pressure should be released before disconnecting the hose at the hydrant.

DELAYED START TIME OF IRRIGATION:

First press **STOP** key for closing for inlet of water. Next press **MENU** key 3 times and **PROG** key 3 times you can set the start time. With “+ and – key“. Pres **MENU** to save. At last choice Pre- and post irrigation if wanted. Notice: The clock is only adjustable forwards.

STOP:

When the magnet is removed from the stop sensor, the turbine stops and the main valve closes (opens at low-pressure stop).

If post-irrigation is chosen, the turbine stops and after the post-irrigation time, the main valve closes. If the key **STOP** is pressed the turbine stops and the main valve closes, regardless of post-irrigation.

SUPERVISION:

The PROGRAM RAIN has a built in system for supervision. The supervision starts to work, if for some reason the machine irrigates at the same place longer than a specified time. This time is factory adjusted to 20 minutes, see programming for changing this time. If it is set to 0 there is no supervision. If supervision of speed, data # 20 = 1, is selected, irrigation is stopped when speed was below 50% of selected, in specified time.

SPEED:

The speed is adjusted with the the ”+” and “–“ keys, the speed first changes by steps of 0.1 m/h, then after 10 steps it changes by 1.0 m/h. The speed can be changed at any time, even while the machine is running. If the time is checked it shows the new time for the remaining irrigation.

PRE-IRRIGATION:

Pressing the key **PRE-** can activate pre-irrigation. The time for pre-irrigation is calculated by the Program Rain as 8 x the time for running 1 metre at the actual speed.

The constant " 8 " (constant no. 2) can be changed, see programming. If the pre-irrigation is on, the machine starts and run 1/2 metre, then it stops for the pre-irrigation time.

By pressing the key **START** the pre-irrigation is cancelled. The magnet at the stop sensor should be in place, before activating the pre-irrigation.

POST-IRRIGATION:

Post-irrigation can be activated by pressing the key **POST-** The time for post-irrigation is calculated by the Program Rain as 8 x the time for running 1 metre at the actual speed. The constant " 8 " (constant no.3) can be changed, see programming. The post-irrigation starts to count down when the magnet is removed from the stop sensor. When the magnet is removed, the motor for speed regulation stops the turbine, after the post-irrigation time the main valve closes, (opens at machines with stop for low pressure). At machines with only one motor for speed regulation, the turbine starts after the post- irrigation time. By pressing the key **START** the post-irrigation is cancelled. The magnet at the stop sensor should be in place, before activating the post-irrigation. If Early stop, constant #8, is selected, this function is activated. Shutdown will take place when distance is reached.

PROGRAMMING OF 4 DIFFERENT SPEEDS:

The display should be set to the 5'th menu.

The pipe should be pulled out before programming, so the computer knows the distance of the field to be irrigated.

In the following it is assumed that the field length is 400 m.

Press the **PROG** key 3 times and the display will show:

400m	30.0m/h	0m
0m	30.0m/h	0m
0m	30.0m/h	0m
0m	30.0m/h	0m

The desired speed can now be set, here 25.0 m/h, then press the **PROG** key once, and the display will show:

400m	25.0m/h	0m
0m	30.0m/h	0m
0m	30.0m/h	0m
0m	30.0m/h	0m

The desired distance can now be set, here 300 m, then press the **PROG** keys once, and the display will show:

400m	25.0m/h	300m
300m	30.0m/h	0m
0m	30.0m/h	0m
0m	30.0m/h	0m

Now the first zone is programmed, and the procedure is continued for all 4 zones.

Zone 4 automatic ends at 000m.

When zone 4 is programmed press again the **PROG** key and the display will show:

DELETE	PRESS	MENU
SAVE	PRESS	PROG

If the **PROG** key is pressed the program is saved and the watering is carried out according to the program.

If the **MENU** key is pressed the program is deleted and the speed is the same for the whole field.

STATUS	Status messages in display
RUNNING:	Machine is irrigating, everything is working properly
LOW PRESSURE:	Water pressure is below pressure switch treshold. Machine acts depending on Machine data.
STARTING:	Operator has pressed START key, and start sequens is in process.
START REMOTE:	Machine is starting due to an SMS
START DELAY:	Machine is waiting for start delay to elapse. (Se menu 4).
START PRESSURE:	Machine has started due to pressure rise. Machine is using pressure level, to start 2'nd machine on string.
START DENIED:	Operator is holding STOP key to prevent PRESSURE and REMOTE start.
STOP USER:	Machine has stopped due to operator STOP .
STOP REMOTE:	Machine has stopped due to an SMS .
STOP SENSOR:	Machine has reached end and is stopped by STOP SENSOR .
STOP DISTANCE:	Machine has reached distance for stop. (Se constant for early stop)
STOP DELAY:	Machine has reached stop but waits nn Seconds to proceed stop sequence.
STOP DENIED:	Operator is pressing START key, preventing REMOTE stop.
SUPERVISION TIME:	Machine has stopped due to supervision time is elapsed. Machine has not moved in nn minutes. (Se constant for supervision time).
DumpValveOpen:	Machine opens valve, to force pressure drop, to stop main pumpe. After 2 minutes, valve closes to prevent draining of pipes.
PRE IRRIGATION:	Machine is performing pre irrigation
POST IRRIGATION:	Machine is performing post irrigation

There are different constants that can be set by the user.

These constant will be saved for years even if the battery is disconnected.

Programming procedure:

The speed should be adjusted to **11.1 m/h** to reach the constants.

Press rapidly the **PROG** key 3 times to gain access to change the constants.

By subsequent pressing on the **PROG** key the constant no. will step forward. With the “+” and “-“ keys the constant value can be changed.

The PROGRAM RAIN goes back to normal and saves the constant by pressing the key **MENU**.

If the key **MENU** is not pressed the Program Rain switches back to normal after 1 minute, and the changes of the constants are not saved.

CONSTANTS

Const no.	Note	Fact. Adj.	Min. Value	Max. Value	Description
0		100	-	-	Enter 111 to reach machine data
1		00:00	00:00	23:59	Time in line 2 is set
2		8	1	15	Pre irrigation
3		8	1	15	Post irrigation
4		20	0	99	Supervision time [minutes]
5		1	1	15	1 English, 2 Danish, 3 German, 4 French, 5 Dutch, 6 Swedish, 7 Spanish, 8 Italian, 9 Polish, 10 Japanese 11 Hungarian
6		0	0	2	0 = Stop for high pressure slow shutdown 1 = Stop for low pressure, valve opens and close again after 3 minutes 2 = Motor for stop disconnected
7		-	0	1000	Actual distance, can be set by the keyboard [m]
8		0	0	1000	Early stop [m] (* Is only performed when Post Irrigation is selected *)
9		0	0	1000	Post irrigation before stop [m]
10		0	0	1000	Distance for alarm [m]
11		40	5	120	Water flow [m3/h]
12		60	5	100	Spacing between irrigation lanes [m]

The constant no. 0 (the code) should be 111 to reach the machine data.

Then press " PROG " and the machine data is shown.

MACHINE DATA

M.Data no.	Note	Fact. Adj	Min. Value	Max. Value	Description
0		400	0	1000	Pipe length [m]
1		110	40	200	Pipe diameter [mm]
2		1850	500	3000	Reel drum diameter [mm]
3		12.00	5.00	30.00	Windings pr. layer
4		200	50	1000	Large drive sprocket
5		10	5	40	Small drive sprocket
6		4	1	20	Number of magnets
7		0.89	0.70	1.00	Ovality
8		3	0	45	First pulse to main valve [sec]
9		160	0	300	Short pulses to main valve [msec]
10		2	1	5	Time between short pulses [sec]
11		100	0	250	Number of short pulses
12		1	0	1	Shut-down system, 0 = Only regulator motor 1 = 2 Motors
13		25	1	25	Preset of pulse to regulation motor at start [sec]
14		1	0	2	Pressure switch 0 = no pressure switch mounted 1 = pressure switch mounted 2 = pressure switch mounted (only start)
15		0	0	160.0	Distance between pulses 40.0-160.0 [mm] Fm 4300 x 4300H = 73,5 mm (2 magnets) Fm 4300 x 4300H = 38,8 mm (4 magnets) Fm 4400 x 4400H = 45,1 mm (4 magnets) Fm 4500 x 4500H = 85,0 mm (2 magnets) Fm 4800H = 43,3 mm (4 magnets) Fm 4900H = 103 mm (2 magnets) Fm 5500H & Bording = 62,5 mm (w. roller ø 80 mm) 0 = running by the formula (M. data number 0 to 7)
16		1	0	1	Speed sensor 0 = round sensor for roller 1 = double sensor
17		0	0	1	Opening of main valve 0 = fast opening 1 = slow opening
18		1	0	1	Pressure switch 0 = Main valve stay open at low pressure 1 = Main valve closes at low pressure
19		0	0	200	Delay from stopsensor to the regulator motor stops the turbine [sec].
20		0	0	1	Supervision of the right speed 0 = Supervision off. 1 = Supervision on (50 % of selected speed)
21		0	0	1	Meter or foot readings in the display 0 = Meter. 1 = Foot
30		0	0	2	0 = GSM Modem not active 1 = GSM Modem 2 = GSM Modem, only numbers on SMS list
31		-	-	-	First phone to call " A "
32		-	-	-	Second phone to call " B "

MACHINE DATA

40		0	0	2	Analog Pressure gauge 0 = Digital switch 1 = Analog pressure gauge – Display units [BAR] 2 = Analog pressure gauge – Display units [PSI]
41		0.50	0	5.00	Voltage Offset [V]
42		0.20	0	5.00	Voltage gain [V]
43		3.5	0	25.0	Pressure setpoint 0.0 –25.0 [BAR] Pressure level for Off – On
44		0.2	0.2	25.0	Pressure hysteresis 0.2 – 25.0 [BAR] * Setpoint - 0.5* hysteresis for Off Setpoint + 0.5* hysteresis for On Default settings 0.2 <ul style="list-style-type: none"> • 3.4 BAR = Off • 3.6 BAR = On

The Program Rain can be adjusted to 2 different types of sensors.

See, Machine Data #16 Sensor

One is a round sensor 60 mm in diameter and 4 sensors inside; this is only for rollers with one magnet. When the battery is connected the display for 2 sec. shows **VERSION n.n0**.

The other is a square sensor, or 2 separate sensors, this is used for rollers with more than one magnet and for disk's with 1 to 20 magnets.

When the battery is connected the display for 2 sec. showed **VERSION n.n1**.

Double sensor.

Round sensor

Program Rain 10 18 Pol Connector			Program Rain 10		
Cable connection	Version n.n1	Double sensor	Cable connection	Version n.n0	Round sensor
1 + Battery	Brown	12 V	1 + Battery	Brown	12 V
2 - Battery	Blue		2 - Battery	Blue	
3 + Solar Panel	Brown		3 + Solar Panel	Brown	
4 - Solar Panel	Blue		4 - Solar Panel	Blue	
5 Motor 1	Speed Regulation		5 Motor 1	Speed Regulation	
6 Motor 1	Speed regulation		6 Motor 1	Speed regulation	
7 Speed Sensor 1 *	Blue		7 Speed Sensor	Blue	
8 Speed Sensor 1 *	Black		8 Speed Sensor *	Black	
9 Speed Sensor 2 *	Yellow/green		9 Speed Sensor *	Yellow/green (Red)	
10 Speed Sensor 2 *	Brown		10 Speed Sensor	Brown	
11 Stop Sensor	Blue or Brown		11 Stop Sensor	Blue or Brown	
12 Stop Sensor	Blue or Brown		12 Stop Sensor	Blue or Brown	
13 Motor 2		Stop Motor	13 Motor 2		Stop Motor
14 Motor 2		Stop Motor	14 Motor 2		Stop Motor
15 Pressure	Blue or Brown		15 Pressure	Blue or Brown	
16 Pressure	Blue or Brown		16 Pressure	Blue or Brown	
17 - BIP			17 BIP -		
18 + BIP			18 BIP +		

* If the distance counter count the wrong way, the speed sensor should be turned.

* If the distance counter count the wrong way, the cable on terminal 8 and 9 must be interchange.

Program Rain 10 6 Pol Connector		
19 + GSM	Brown	+12 V
20 - GSM (-Pressure)	Blue (Green)	
21		
22		
23 + Pressure	Brown	+12 V
24 Pressure Signal	White	0-5V

Technical data

Size (h*w*d)	170*140*100
Voltage	10-15V dc
Current	6 mA (Idle) 30 mA (with GSM) 80 mA (Light)
Fuse	5A motor max current 5A Fast

Fault localisation.

? The turbine can not start by pressing START. Pre-and post-irrigation can not take place.

Answer:

Magnet for stop-sensor is not on its place, or cable or sensor is damaged.

Stop sensor: The mark ■ must be on when the magnet is on place, and it disappears when the magnet is removed. See menu 3.

A damaged cable can be repaired but absolutely watertight. At least encapsulated in epoxy.

But a new sensor and cable is recommend.

If pressure sensor is used there must be pressure on the water. The mark ■ for pressure must be on.

? None figure in the display.

Answer:

Battery interrupts. Fuse inside the box is blown. The fuse is for wrong connection of + and - .

From the factory there are an extra fuse on a single fuse-holder on the printed circuit.

Fuse 5 A. Battery electric voltage 12 V. See menu 2.

? The clock shows 00:00.

Answer:

If the power has been interrupted the clock will go to zero. Therefore in stead of showing the finish time it is the number of hours and minutes to the irrigator is finish that is showed. Set the clock and the time to the irrigator is finish will be showed. See setting the clock.

? Distance meter is not correct and the speeds not correct.

Answer:

See after damaged cable or sensor. The 2 marks ■ ■ must during pulling out the tube appear in order from the left as following: The first appear the second appear the first disappear the second disappear. During retraction it must go in opposite order. See menu 3 speed sensor.

It is the same if a roller running on the tube measures the speed.

? Only maybe the half or 2/3 of the real length is counted up.

Answer:

The stop mechanism can be activated a short time by hopping of the tube or if the windings around the drum are losing. It can cause the magnet removed from the stop sensor a short moment. It will set the counter to zero.

In spite of the meter of the tube is not correct the irrigator will run to the end and stop normal. But incorrect speed depends of the incorrect registration of the actual layer.

If wanted the correct number of metre can be set in. See CONSTANT no 7.

The most used combination of different constants:

With constants factory adjusted the machine always will run. But there are different conditions from farm to farm and there are also different wishes from the farmer. Therefore some constants can be adjusted for local wishes.

1. Slowly start of turbine. Machine data no. 13. Adjust the to value to 4 sec to start.

Now the valve for control of speed will close about half and continue stepwise until the adjusted speed are reached. Correct adjustment is: Continuously closing of the valve until the turbine is start running and stepwise until adjusted speed are reached.

2. Slowly opening for inlet of water. Machine data no. 17. Set the value to 1. =

Opening for the water stepwise.

3. Only 1 motor for speed regulation. Machine data no. 12. Value 0.

Post irrigation must take place as following: When the stop sensor is activated only the retraction stop. After the time for post irrigation the machine start again and run to the mechanic stop.

4. Start up of no. 2 machine when no. 1 machine reaches the stop.

Machine data no. 14. Value 2.

The machine must be equipped with adjustable pressure switch. Adjust the pressure switch to a point between the normal pressure and the pressure when the pump will stop.

For instance: Normal pressure 7 bar and pressure for pump stop is 9 bar. Adjust the pressure switch to 8 bar on both the machines. Start no. 1 machine as normal by pressing start. Set up no. 2 machine but press stop. When no. 1 machine comes to slowly close down no. 2 machine will start up when the pressure reach 8 bar. Be attend on that 10 m different on the field level is 1 bar.

5. Stop with low pressure and pressure switch mounted. Constant no. 6. Value 1.

Machine data no. 12 must be value 2. = Stop motor turns in opposite direction. It means that with the same cable connection to the motor the valve will open for stop. After 2 minute the valve close again
Stop-sensor, stop-button and supervision can open the valve. But the pressure switch can not open the valve

6. Pre-irrigation before the gun reaches the stop.

Constant no 9 can be set to the number of metre where it is wanted that the post irrigation should take place.

GSM

PR10-12 can handle external BGS2T ,GSM Modem from, Cinterion.



Irrigator, can be Started, Stopped, or requested for status, only by sending an SMS.

Commands

Start Starts machine.
Stop Stops Machine
Speed ### Set the **Speed** whitin 3..400 m/h. eg.: **Speed 24**
Status Gets the current status of machine.

SMS can be typed in both upper- or lower case or mix.

If you call the modem, from a GSM telephone, you will recieve an SMS containing **Status**
If machine is operated by keyboard (light in display), SMS is inactive to prevent multiple SMS
and remote operating. Upon reception of SMS, **User Active** is sent return.

Status

SPEED	30.0m/h
DOSE	22 mm
TIME 14:10 STOP18:16	
STATUS	Running
DISTANCE	123m
BATTERY	12.8V
CHARGE ON	0.231A

SMS, Sent by PR10, contains information about Irrigation

SMS is sent on:

LOW PRESSURE:	Start the pump, so you get pressure on the machine.
STOP SENSOR:	The machine is ready to be moved to a new field.
STOP REMOTE:	The machine is stopped using SMS
STOP DISTANCE:	The machine has reached stop point. (Constant 8)
SUPERVISION TIME:	The machine has not moved, for nn minutes (Constant 4), due to a malfunction. Check the machine before continuing.

How to get started:

Disconnect Electronic from Battery.

Put in the SIM card into an ordinary mobile phone and change the pin code to 1111.
Try to send at receive an SMS, on phone, to verify the SIM card and account is working properly.

Insert the SIM card into the modem.

Operate the eject mechanism to open the card holder by pressing it down with a pen, for example.

Insert the SIM card in the SIM card holder and push it back into the housing.



Connect communication- , power- and Antenna cable



Modem, Antenna, communication- and power cable, is items from Nortoft Electronics.

Connect the power and setup machine data #30

0 = GSM Disabled

1 = GSM Enabled, all telephone number is allowed.

2 = GSM Enabled, only telephone number on SMS list.

SPEED	11.1m/h
DOSE	22 mm
TIME 14:10 STOP 7:43	
M.DATA 30	1

See manual for changing machine data.

If selected numbers are used, number could be found in display on PR10 when receiving SMS from actual phone. Number should always be entered in the same format eg. +44213.. 0044213.. 213..

SPEED	11.1m/h
DOSE	22 mm
TIME 14:10 STOP 7:43	
A: +45123456	

See manual for changing machine data.

After Approx. 30-45 seconds moden should be connected to network.

SIGNAL 23
NETWORK HOME
A: +45123456
B: +45234567

Signal strength, 0 – 31, and network should show up in display menu #6

A Signal strength at 10 og higher to work properly.

A Signal strength at 99 indicates signal error.

Modem has two LED showing status



GREEN

Ready

LED

On

YELLOW

POWER DOWN

- Network search or
- no SIM card is inserted
- no PIN is entered
- no GSM network is available

LED

Off

Flashes rapidly

STANDBY

(registered in the network)

Flashes slowly

Connection (TALK)

On

When an SMS is Received, following is showed on Display:

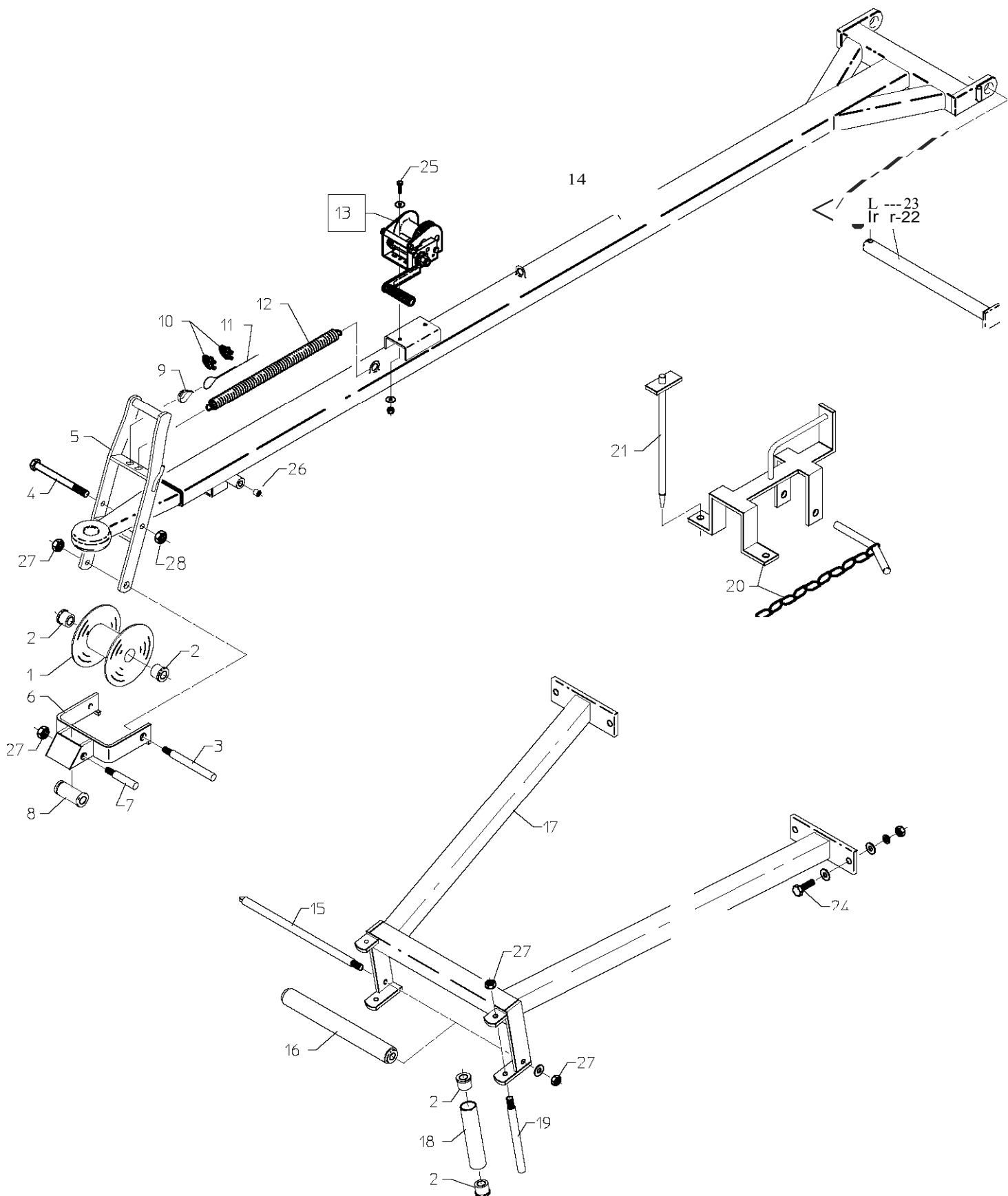
Receiving SMS
#: +45123456
Status

Receiving SMS, Incomming phone number and 40 character of message, Any SMS can be received, but only known commands are accepted.

When an SMS is Sent, following is showed on Display:

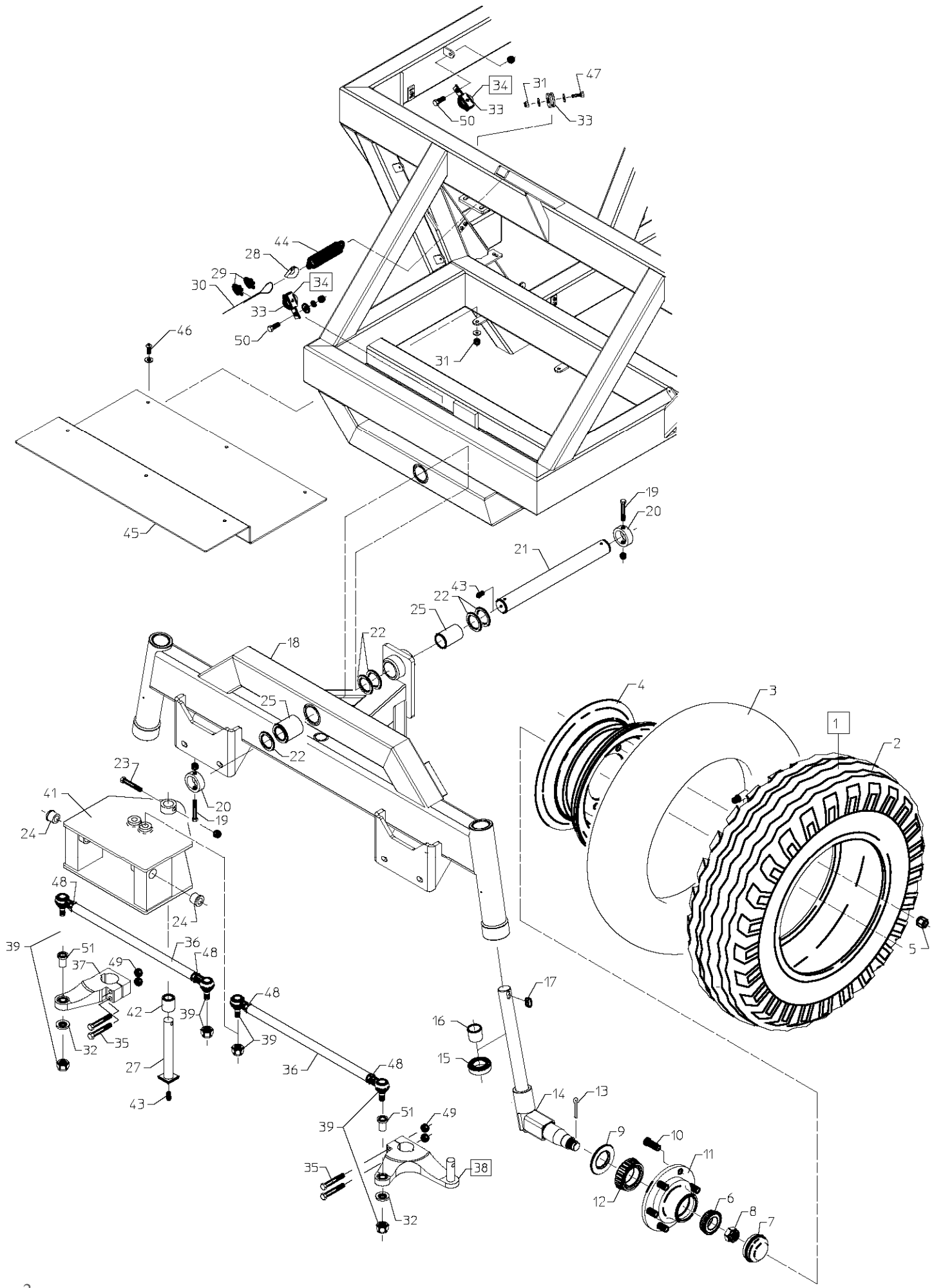
Sending SMS
#: +45123456
Status Running

Sending SMS, Outgoing phone number and current machine status.



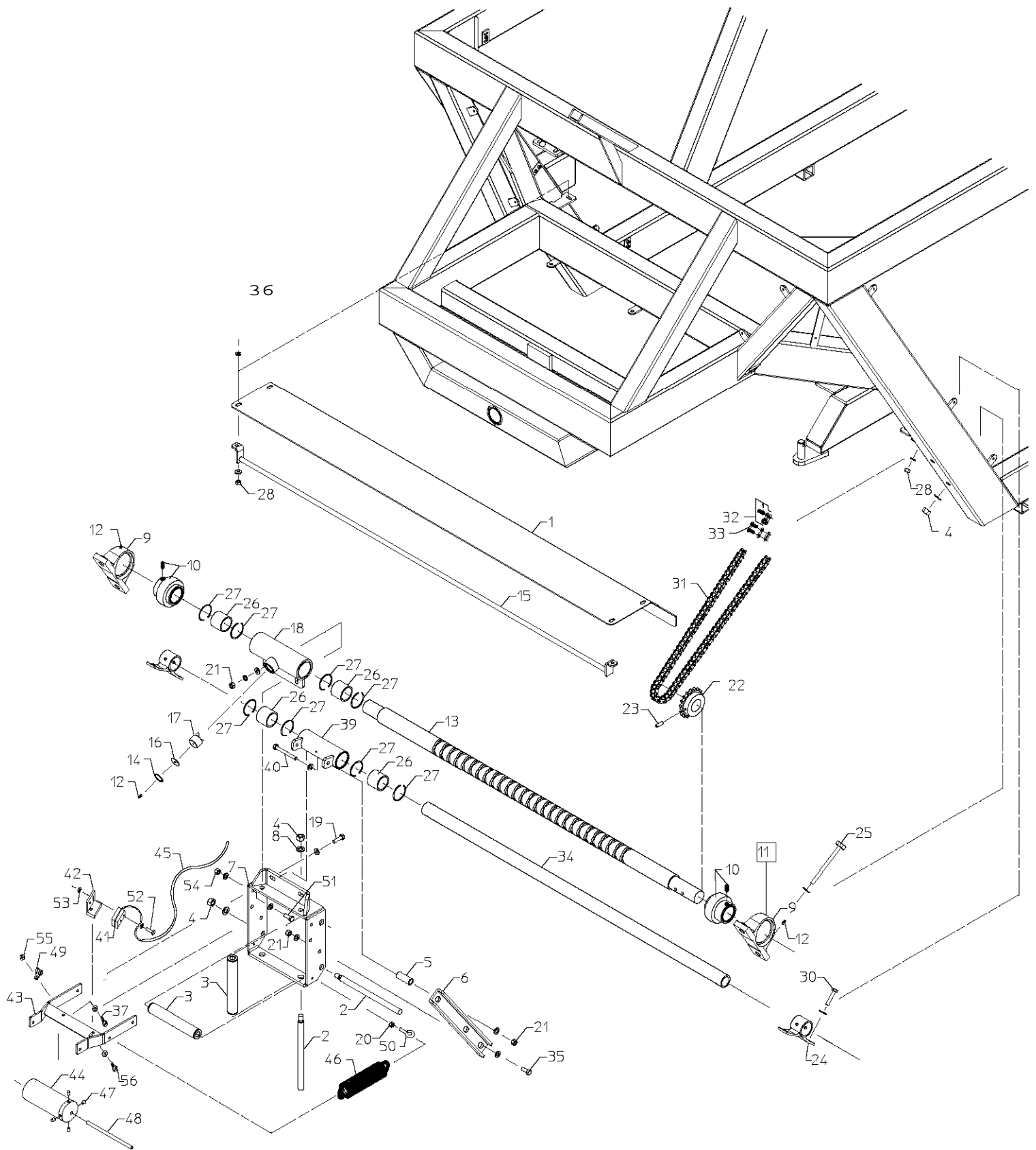
**FM 5500H fra maskin nr. 7744 / FM 5500H from machine no. 7744
FM 5500H à compter de la Machine Nr. 7744**

Pos. Nr.	Best.Nr.	Benævnelse	Description	Nomenclature	Bemærkninger
Pos. No.	Part No.				Remark
Pos. No.	Piece No.				Remarque
1	1010100	Slangehjul	Hose Reel	Galet de guidage	Ø PEL 125 mm
2	761271	Nylonleje	Nylon bearing	Bague nylon	Ø22 mm.
3	1010103	Aksel	Axle	Axe	Ø20 x 290 mm. Ø125 mm
4	1010112	Bolt	Bolt	Boulon	M16 x 250 mm. Ø125
5	1010110	Bøjle	Clamp	Levier	Ø125
6	1010105	Sikkerhedsstop	Safety Stop	Butée d'arrêt	Ø125
7	761273	Aksel	Axle	Axe	Ø20 x 115 mm.
8	761272	Bærerulle	Supporting Rolle	Rouleau	5/4" x 60 mm.
9	761012-1	Kouse	Thimbles	Oeillet	Ø5.0
10	761013-1	Wirelås	Wire Locks	Serre-câbles	Ø5.0
11	1013113	Wire	Steel Wire	Câble	Ø5,0 x 9450 mm.
12	1001011	Fjeder	Spring	Ressort	Ø 4,0 x 330 mm.
13	505500	Spil	Windlass	Treuil	8 AFL
14	2003348	Trækstang	Drawbar	Bras de guidage	
15	1761026	Aksel	Axel	Axe	Ø20 x 550 mm.
16	1761024	Bærerulle	Supporting Roller	Rouleau	5/4" x 500 mm.
17	1010107	Slangestyr	Hose Guide	Guide polyéthylène	FM Ø110/Ø125
18	761023	Bærerulle	Supporting Roller	Rouleau	5/4" x 185 mm.
19	1013094	Aksel	Axle	Axe	Ø20 x 240 mm.
20	1010118	Stopklods	Stop Block	Bu t é e d' a r r ê t	Ø125
21	1010115	Jordspyd	Earth Rod	Piquet d'ancrage	L=730 mm
22	1008222	Aksel	Axel	Axe	Ø30 x 465 mm.
23	763585	Split	Split	Goupille	Ø6,3 x 50 mm.
24	763626	Bolt	Bolt	Boulon	M16 x 45 mm.
25	763727	Bolt	Bolt	Boulon	M10 x 25 Rundh. Indv.6-kant
26	1761001	Bøsning	Bushing	Bague	Ø30/17 X 9,5 FM4900
27	-	Møtrik	Nut	Ecrou	M20
28	763750	Låsemøtrik	Nut	Ecrou	M16



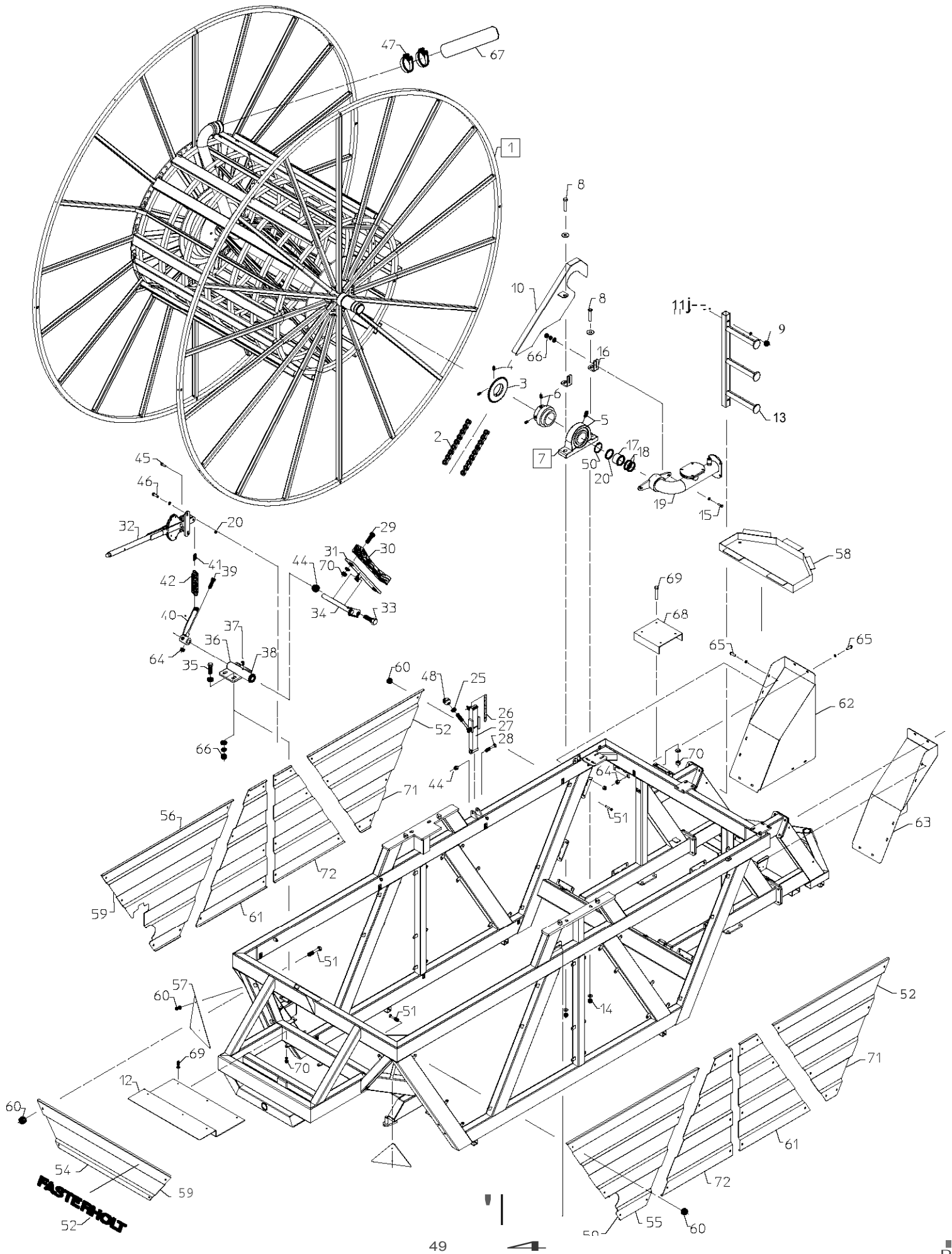
FM 5500H fra maskin nr. 7744 / FM 5500H from machine no. 7744
FM 5500H à compter de la Machine Nr. 7744

Pos. Nr. Pos. No. Pos. No.	Best.Nr. Part No. Piece No.	Benævnelse	Description	Nomenclature	Bemærkninger Remark Remarque
1	1014105	Forhjul ,kpl.	Wheel, complete	Roue, complète	16,0/70x20 FM5500H
2	1014106	Dæk	Tyre	Pneu	16,0/70x20 x 14 laq
3	1014108	Slange	Tube	Chambre à air	16,0/70x20
4	1014107	Fælg	Rim	Jante	6-161-205mm
5	1009181-4	Navmøtrik	Wheel Nut	Boulons	M18 x 1.5 mm
5	1009462	Konisk skive	Washer	Rondelles coniques	Ø18 mm
6	1009181-1	Leje	Bearing	Roulement	
7	1009181-6	Navkapsel	Hub Cap	Bouchon de moyeu	
8	1009181-5	Møtrik	Nut	Ecrou	
9	1009181-7	Tætningskive	Tension Disk	Rondelle	
10	1009181-3	Navbolt	Hub Bolt	Boulon de moyeu	M18 x 1.5 mm
11	1009180	Nav	Hub	Moyeu	6-161-205mm
12	1009181-2	Leje	Bearing	Roulement	
13	1009181-8	Split	Split	Goupille	
14	2000178	Spindel	Spindle	Fusée	
15	1013086	Trykleje	Bearing	Roulement	
16	2002081	Bøsning	Bushing	Bague	
17	641930	Pasfeder	Tongue	Clavette	14 x 9 x 30 mm.
18	2000193	Forbro	Axel Centre	Support de direction	FM5500H
19	761239	Bolt	Bolt	Boulon	M10 x 80 mm.
20	1008195	Stopring	Stopring	Bague d'arrêt	
21	2000113	Aksel	Axle	Axe	Ø50 x 538 mm.
22	1008198	Afstandsskive	Collar	Entretoise	Ø70/50 x 2,0 mm.
23	763715	Bolt	Bolt	Boulon	M10 x 65 mm.
24	1008226	Bøsning	Bushing	Bague	Ø30/35 x 32 mm. Kravebøs.
25	1008101	Bøsning	Bushing	Bague	Ø50/55 x 40 mm.
26	-	-			
27	2000612	Aksel	Axle	Axe	Ø30 x 260 mm.
28	761012-1	Kouse	Thimbles	Oeillets	Ø5 mm
29	761013-1	Wirelås	Wire Locks	Serre-câble	Ø5 mm
30	1007803	Wire	Steel Wire	Câble	Ø5 mm x 3000 mm.
31	763863	Låsemøtrik	Nut	Ecrou	M8
32	2003883	Skive	Washer	Rondelle	
33	761015-15	Wirerulle	Wire Roller	Poulie	
34	761015-10	Wirerulle Kpl.	Wire Roller Cpl.	Poulie Cpl.	
35	763595	Bolt	Bolt	Boulon	M12 x 1,5 x 90 mm.
36	1009194	Styream	Track Rod	Barre de liaison	Længde 630 mm.
37	2003352	Spindelarm, højre	Arm Spindle, right	Biellette droite	
38	2001887	Spindelarm, venstre	Arm Spindle, left	Biellette gauche	
39	1013090	Styrekugle h.	Ball Joint h.	Rotule d'accouplement	M30 x 1,5 mm.
40	763600	Låsemøtrik	Nut	Ecrou	M20
41	1009170	Træk	Drawbar	Chape bras de guidage	
42	1008102	Bøsning	Bushing	Bague	Ø30/35 x 40 mm.
43	761286	Smørenippel	Grease Nipple	Graisser	M6
44	1008203	Trækfjeder	Spring	Ressort	Ø9,0 x 250 mm.
45	1009342	Værktøjskasse	Tool box	Boîte à outils	FM5500H
46	-	Bræddbolt	Bolt	Boulon	M8 x 20 mm.
47	763735	Bolt	Bolt	Boulon	M8 x 40 mm.
48	1013092/93	Kontramøtrik h/v	Nut h/v	Ecrou h/v	M30 x 1,5 mm.
49	763866	Låsemøtrik	Nut	Ecrou	M12 x 1,5 mm
50	761114	Bolt	Bolt	Boulon	M10 x 25 mm
51	1009193	Bøsning	Bushing	Bague	
52	1013091	Styrekugle v.	Ball joint v	Rotule d'accouplement	



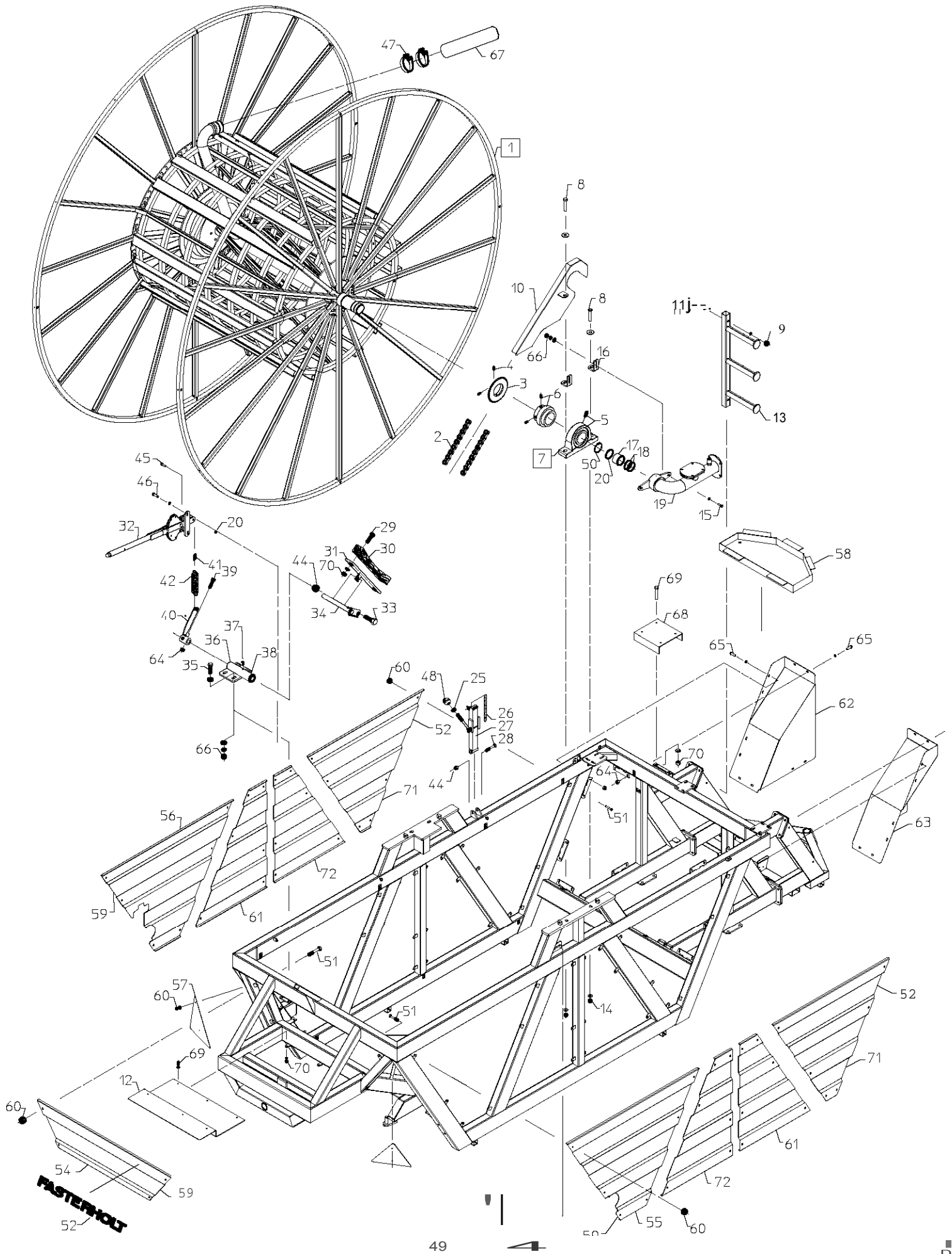
**FM 5500H fra maskin nr. 7744 / FM 5500H from machine no. 7744
FM 5500H à compter de la Machine Nr. 7744**

Pos. Nr. Pos. No. Pos. No.	Best.Nr. Part No. Piece No.	Benævnelse	Description	Nomenclature	Bemærkninger Remark Remarque
1	1010850	Skærm	Shield	Carter	FM5500H
2	1010094	Aksel	Axle	Axe	Ø20 x 240 mm.
3	1010096	Bærerulle	Supporting Roller	Galet	5/4" x 255 mm + bøsn.
4	761125	Møtrik	Nut	Ecrou	M16
5	1010092	Afstandsrør	Pipe	Entretoise	Ø25/16 x 62 mm.
6	1008490	Stiver	Fittings	Patte de fixation	
7	1010090	Slangestyr	Hose Guide	Guide polyéthylène	
8	761032	Fjederskive	Spring Coller	Rondelle	Ø16 mm.
9	761287	Lejehus	Bearing Cap	Cage roulement	P 210 Ø 50 mm.
10	761288	Leje	Bearing	Roulement	UC 210 Ø50 mm.
11	761289	Leje, komplet	Ball Bearing, Complete	Palier, complet	UCP 210 Ø 50 mm.
12	761286	Smørenippel	Grease Nipple	Graisser	M 6
13	1013080	Aksel	Axle	Arbre de trancannage	Ø 60 x 2090 Ø125
14	761285	Låsering	Snap Ring	Circlip	Ø 40 Indv.
15	1013071	Holder f. rullefølerkabel	Cable holder	Support pour câble	Ø16 x 1830 mm
16	761284	Skive	Tension Disk	Rondelle	SKIVE Ø8,4 / 38 X 1,6 MM. EL.
17	761283	Føringsaksel	Axle	Pion de trancannage	
18	1009875	Føringsmuffe	Guide sleeve	Guide de trancannage	
19	761115	Bolt	Bolt	Vis	M12 x 35 mm.
20	-	Møtrik	Nut	Ecrou	M8
21	761061	Møtrik	Nut	Ecrou	M12
22	1001290	Kædehjul	Sprocket Wheel	Pignon 16 dts	3/4" x 18 T.
23	761070	Pinolskrue	Allen Screw	Vis Allen	M10 x 12 mm.
24	1008485	Holder	Fittings	Fixations	
25	-	Bolt	Bolt	Vis	M16 x 220 mm.
26	34000009	Bronzebøsning	Bronze Bushing	Bague bronze	
27	761329	Låsering	Snap Ring	Circlip	
28	-	Møtrik	Nut	Ecrou	M10
29	761248	Skive	Tension Disk	Rondelle	Ø10 mm.
30	-	Bolt	Bolt	Vis	M10 x 30 sæt.
31	1013077	Kæde	Roller Chain	Chaîne	3/4" X7/16" X 256 LED FM5500H
32	761058	Samleled, fork.	Assembly Link	Attache rapide	3/4" x 7/16"
33	761056	Kædesamler	Assembly Link	Attache rapide, maillon	3/4" x 7/16"
34	1013075	Støtterør	Pipe	Axe	Ø48 x 1920 mm
35	763730	Bolt	Bolt	Boulon	M12 x 30 Indv. 6-kant. Rundh.
36	-	Bræddebolt	Carriage Bolt	Boulon	M10 x 30 mm.
37	761090	Bolt	Bolt	Boulon	M6 x 20
38	-	-	-	-	
39	1008475	Føringsmuffe (Støtterør)	Guide sleeve	Guide maintien trancannage	
40	763725	Bolt	Bolt	Boulon	M12 x 55
41	1007561-1	Hastighedsføler	Sensor	Capteur	10 m kabel
42	14000056	Beslag f. føler	Fitting	Patte de fixation	
43	1013070	Beslag f. målerulle	Fitting	Patte de fixation	
44	1013065	Målerulle	Measuring Roller	Galet de mesure	Ø80 x 215 mm
45	521807	Spiralkabel	Hose for sensor	Tuyau pour capteur	1 m
46	661215	Fjeder			Ø2.0 x 18 x 150 mm
47	1007570	Magnet	Magnet	Aimant	Ø10 x 10 mm
48	1013065-2	Målerullebøsning	Bushing f. measuring Roller	Bague pour galet de mesure	
49	1013824	Slangeholder	Hoseholder	Fixation flexible	11.1 mm
50	1013822	Øjeskrue	Eye Screw	Vis à oeil	M8 x 20
51	763430	Bolt	Bolt	Boulon	M8 x 30
52	02100503	Bolt	Bolt	Boulon	M5 x 35
53	763860	Låsemøtrik	Nut	Ecrou	M5
54	763863	Låsemøtrik	Nut	Ecrou	M8
55	761091	Låsemøtrik	Nut	Ecrou	M6
56	-	Bolt	Bolt	Boulon	M10 x 20



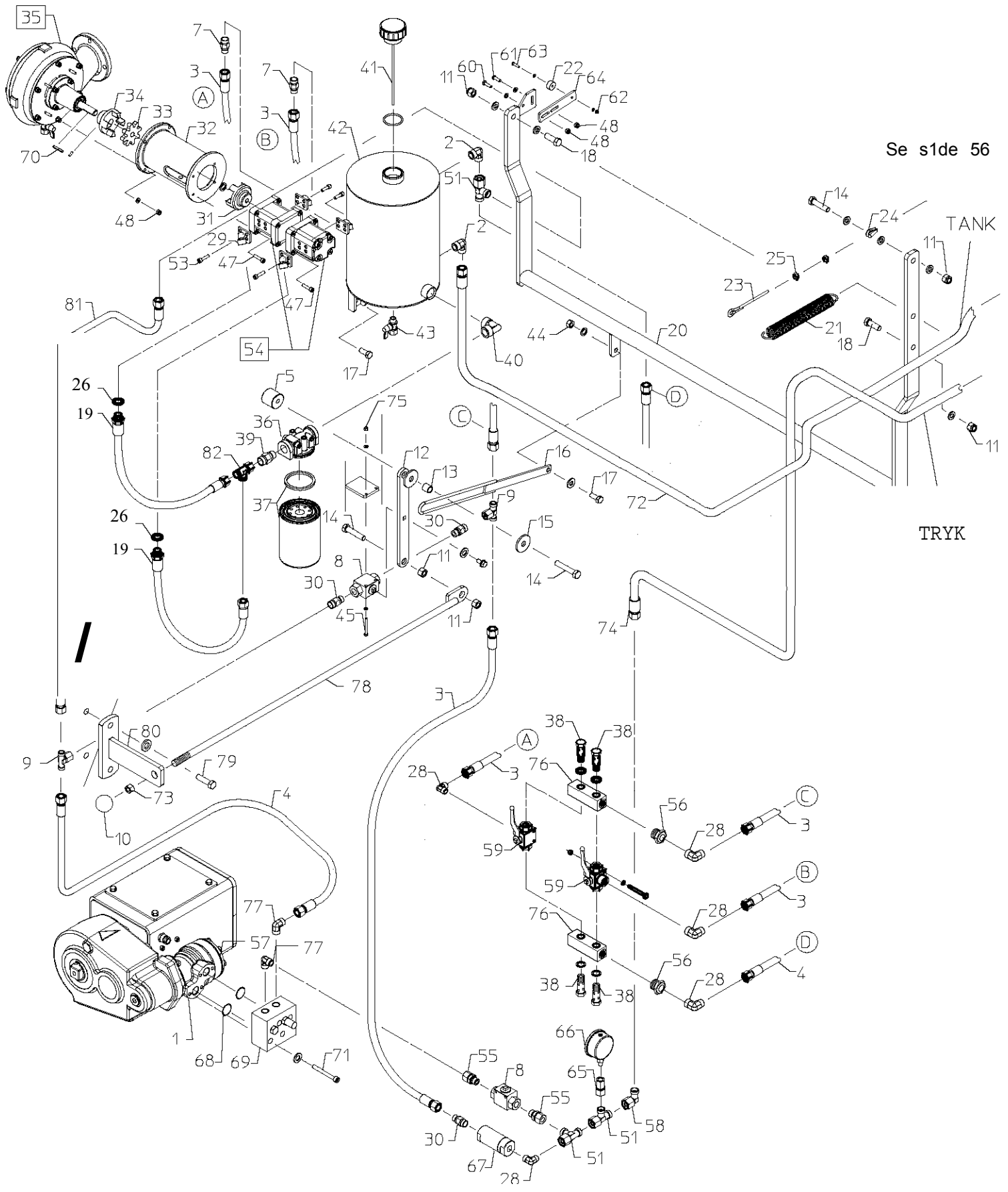
**FM 5500H fra maskin nr. 7744 / FM 5500H from machine no. 7744
FM 5500H à compter de la Machine Nr. 7744**

Pos. Nr.	Best.Nr.	Benævnelse	Description	Nomenclature	Bemærkninger
Pos. No.	Part No.				Remark
Pos. No.	Piece No.				Remarque
1	1013015	Pariserhjul	Hose Reel	Bobine	FM 5500H Ø3900
2	1013077	Kæde	Roller Chain	Chaîne	3/4" X7/16" X 256 LED FM5500H
3	1010027	Kædehjul	Sprocket Wheel	Pignon	3/4" x 38Z
4	761070	Pinolskrue	Allen Screw	Vis Allen	M10 x 12 mm
5	1010492	Lejehus	Bearing Cap	Cage roulement	P 220
6	1010491	Leje	Bearing	Roulement	UC 220
7	1010490	Leje, Komplet	Ball Bearing, Complete	Palier complet	UCP 220
8	-	Bolt	Bolt	Boulon	M20 x 110 mm
9	763750	Låsemøtrik	Nut	Ecrou	M16
10	1010558	Kædeskærm	Shield	Carter chaîne	FM 4900H
11	-	Bolt	Bolt	Boulon	M16 x 115 mm.
12	1009342	Værktøjskasse	Tool box	Boîte à outils	FM5500H
13	1010530	Stige	Ladder	Échelle	3 stk. trin
14	763600	Låsemøtrik	Nut	Ecrou	M20
15	-	-	-	-	-
16	1001087	Beslag	Fittings	Patte de fixation	
17	36000151	Rør, Rustfri	Tube	Frête	
18	630100	Tætningsring	Nut Ring	Joint (Souple)	Ø100/120 x 10 mm. Blød
18	630101	Tætningsring	Nut Ring	Joint (Rigide)	Ø100/120 x 10 mm. Hård
19	1013030	Bøjning	Bend	Coude	
20	624101	O-ring	Cap	Joint torique	3.0 x 88.0 O-RING V. Ø90 RUSTF.BØSNING
21	-	-	-	-	-
22	2351278	Kædehjul, komplet	Sprocket Wheel, Cpl.	Pignon, Cpl.	
23	761276	Leje	Bearing	Roulement	
24	761275	Aksel	Axel	Axe	Ø20 X 80 MM Rustfri
25	761061	Møtrik	Nut	Ecrou	M12
26	570114	Fjeder	Spring	Ressort	Ø1.75 x 110 mm
27	1008260	Låsepæl	Non-return (Hose Reel)	Anti-retour de bobine	
28	761103	Bolt	Bolt	Boulon	M16 x 90 mm
29	763620	Bræddebolt	Carriage Bolt	Boulon	M8 x 40 mm
30	902120-1	Bremseklo	Brake Lining	Patin frein	
31	902119	Bremsesko	Fittings	Support patin	
32	761113	Bremsehåndtag	Brake Lever	Levier frein	Højre
33	-	Bolt	Bolt	Boulon	M16 x 35 mm
34	1008355	Aksel	Axel	Axe	
35	761115	Bolt	Bolt	Boulon	M12 x 35 mm
36	1009335	Rør for bremse	Tube, brake	Tube, frein	
37	761286	Smørenippel	Grease Nipple	Graisseur	M6
38	1009337	Pomleje	Coller Linings	Bague nylon	Ø25 mm.
39	763630	Bolt	Bolt	Boulon	M10 x 55 mm.
40	1009275	Bremsearm	Brake Lining	Levier frein	
41	761338	Kædeled	Chain Link	Maillon de chaîne	Ø6,0
42	761110	Fjeder	Spring	Ressort	Ø32 x ø6,0 x 180 mm
43	-	-	-	-	-
44	763750	Låsemøtrik	Nut	Ecrou	M16
45	763605	Bolt	Bolt	Boulon	M10 x 35 mm
46	-	Bolt	Bolt	Boulon	M10 x 20 mm
47	16200735	Spændebånd	Hose Clip	Collier	Ø122-130 mm. Ø125
48	763300	Kuglehåndtag	Lever	Ecrou	M12 x 40 mm
49	2351277	Kædehjul	Sprocket Wheel	Pignon	3/4" x 15 T
50	1010495	Låsering	Snap Ring	Circlip	Ø 100 mm
51	-	Bolt	Bolt	Boulon	M8 x 20 mm Rustfri
52	1013060	Label	Label	Autocollant	FASTERHOLT
53	1013052	Skærm, venstre	Shield, left	Carter, gauche	
54	1013056	Navneplade	Name Plate	Plaque constructeur	
55	1013053	Skærm, venstre	Shield, left	Carter, gauche	m. udskæring
56	1013054	Skærm, højre	Shield, right	Carter, droit	m. udskæring
57	1013057	Skærm	Shield	Carter	
58	2001754	Bundplade	Bottom Plate	Plaque du bas	Aluminium
59	1013061	Label	Label	Autocollant	FM 5500H



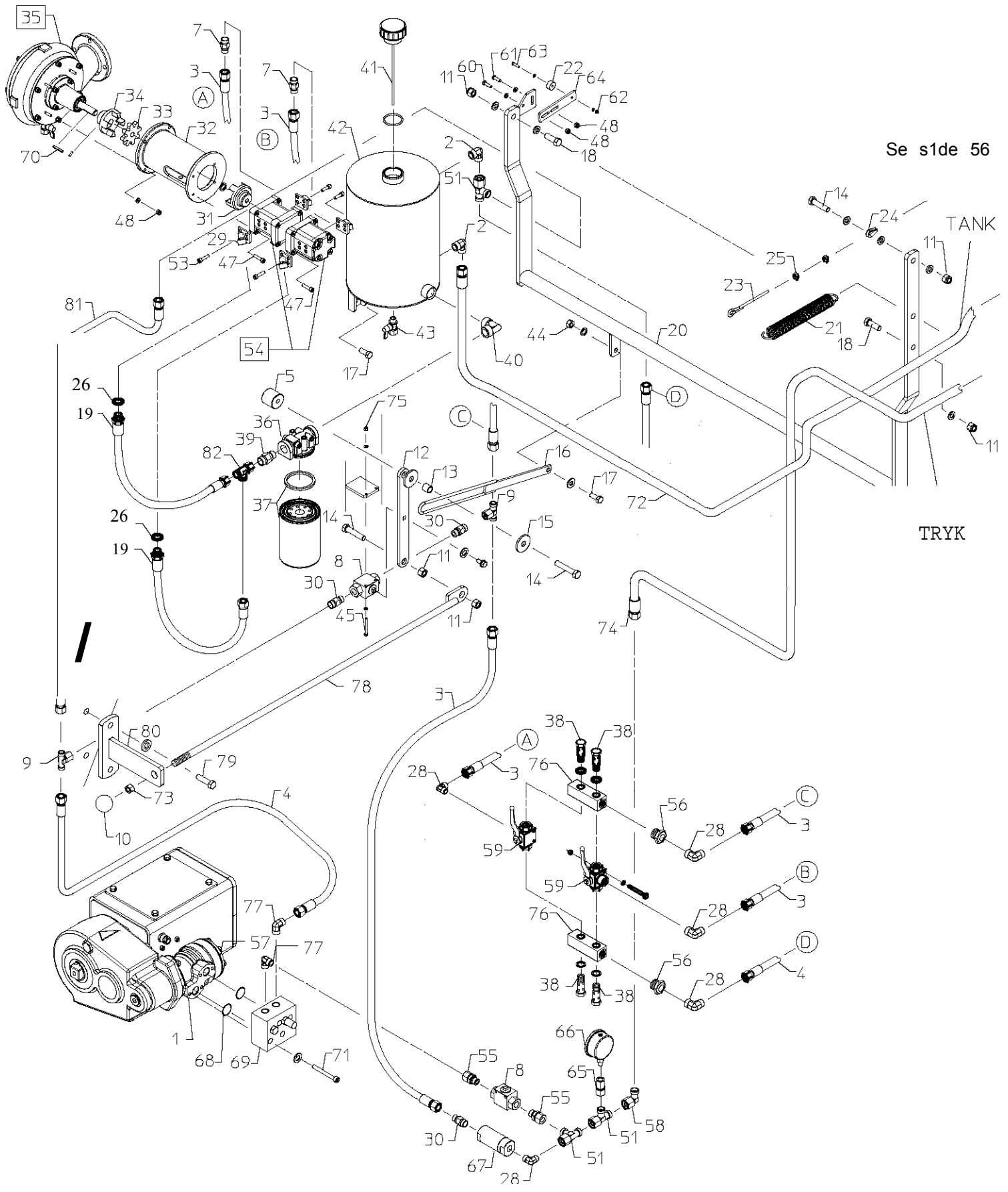
**FM 5500H fra maskin nr. 7190 / FM 5500H from machine no. 7190
FM 5500H à compter de la Machine Nr. 7190**

Pos. Nr.	Best.Nr.	Benævnelse	Description	Nomenclature	Bemærkninger
Pos. No.	Part No.				Remark
Pos. No.	Piece No.				Remarque
60	763930	Hættemøtrik	Nut	Ecrou	M8
61	1013051	Lille sideskærm,højre	Shield,right	Carter, droit	
62	1013058	Inderskærm, højre	Shield, right	Carter, droit	
63	1013059	Inderskærm, venstre	Shield, left	Carter, gauche	
64	763864	Låsemøtrik	Nut	Ecrou	M10
65	763727	Bolt	Bolt	Boulon	M10 x 25 Rundh. Indv.6-kant
66	763865	Låsemøtrik	Nut	Ecrou	M12
67	43125xxx	Slange	Hose	Polyéthylène	Ø125
68	1010525	Topplade	Top Plate	Plaque du haut	Aluminium
69	-	Bræddebolt	Bolt	Boulon	M8 x 20 mm
70	763863	Låsemøtrik	Nut	Ecrou	M8
71	1013050	Skærm	Shield	Carter	
72	1013052	Lille sideskærm,venstre	Shield,left	Carter, gauche	



FM 5500H fra maskin nr. 7190 / FM 5500H from machine no. 7190
FM 5500H à compter de la Machine Nr. 7190

Pos. Nr. Pos. No. Pos. No.	Best.Nr. Part No. Piece No.	Benævnelse	Description	Nomenclature	Bemærkninger Remark Remarque
DOBBELTPUMPE/DOUBLE POMPE					
1	1007443	Oliemotor	Oil-engine	Moteur hydraulique	
2	1007536	Vinkel	Angle	Raccord coude	1/2" x Ø12 mm.
3	1008601	Slange	Hose	Tuyau	3/8" x 1600 mm. TRYK 2xØ12 Oml.
4	1008601	Slange	Hose	Tuyau	3/8" x 1600 mm. RETUR 2xØ12 Oml.
5	1007511	Stopklods for kuglehane	Stop block	Butoir	Ø40 / M12 X 35 MM.
6	1008620	Vinkel	Angle	Raccord coude	Ø15 x Ø15 Fast oml.
7	1007726	Nippel	Nipple	Réducteur	1/2" x Ø12 Skærring
8	1007510	Kuglehane	Valve	Vannel	3/8" x 2 vejs
9	1007518	Tee	Tees	Raccords T	Ø12 x Ø12 Fast oml. x Ø12
10	763300	Kuglehåndtag	Lever	Levier	M12 x 40 mm.
11	761252	Låsemøtrik	Nut	Ecrou	M 12
12	1008335	Håndtag	Lever	Brais levier	
13	1009262	Afstandsør	Pipe	Entretoise	3/8" x 13 mm.
14	761116	Bolt	Bolt	Boulon	M12 x 40 mm.
15	763330	Skive	Washer	Rondelle	Ø50/13 mm.
16	1009260	Stopstang	Stoplever	Biellette	
17	761114	Bolt	Bolt	Boulon	M10 x 25 mm.
18	761115	Bolt	Bolt	Boulon	M12 x 35 mm.
19	1007525	Slange	Hose	Tuyau	1/2" x 650mm 1xØ15 Oml. 1x1/2"Udv. SUG
20	1013120	Bøjle	Clamp	Barre de dégagement	
21	761274	Fjeder	Spring	Ressort	Ø3,5 x 250 mm.
22	1005530	Magnet	Magnet	Aimant	Ø20 x 10 mm.
23		Wire	Steel Wire	Câble	Ø5 x 8580 mm
24	761012-1	Kouse	Thimbles	Oeillet	Ø5 Rustfri
25	761013-1	Wirelås	Wire Locks	Serre câbels	Ø5 Rustfri
26	801709	Skive	Washer	Rondelle	1/2"
27		-			
28	1007544	Vinkel	Angle	Raccord coude	3/8" x Ø12 mm.
29	1007420	Vinkelflange	Angle	Raccord coude	1/2"
30	1007724	Nippel	Nipple	Réducteur	3/8" x Ø12 Skærring
31	1007450	Kobling	Coupling	Accouplement pompe	
32	1007110	Pumpeflange	Pump-flange	Carter	
33	1007470	Gummiring	Rubbering	Rondelle accoupl	
34	1007460	Kobling	Coupling	Accouplement turbine	Udb. Ø15 mm.
35	195000V-1	Turbine	Turbine	Turbine	20/50 Venstre
36	1007484	Filterhus	Filter Cap	Cage filtre	
37	1007482	Løs filter	Filter	Filtre	
38	1009395	Banjobolt	Banjo Bolt	Boulon banjo	3/8"
39	1007526	Nippel	Nipple	Réducteur	3/4" x Ø15 mm
40	1007540	Vinkel	Angle	Raccord coude	3/4" x 3/4"
41	1007500	Dæksel	Cap	Bouchon - jauge	5/4"
42	1007490	Tank	Oiltank	Réservoir	
43	195010	Kuglehane	Valve	Vanne	1/4"
44	763864	Låsemøtrik	Nut	Ecrou	M10
45	763450	Bolt	Bolt	Boulon	M5 x 45 mm
46	1007529	Nippel	Nipple	Réducteur	1/2" x Ø12 Fast oml.
47	763460	Bolt	Bolt	Boulon	M6 x 25 mm. indiv. 6-kant
48	761091	Låsemøtrik	Nut	Ecrou	M6
49		-			
50	1007544	Vinkel	Angle	Raccords coude	3/8" x Ø12 mm.
51	1007531	Tee	Tees	Raccords T	Ø12 x Ø12 x Ø12 Fast oml.
52		-			
53	763460	Bolt	Bolt	Boulon	M6 x 25 mm Indv. 6-kant
54	1010944	Hydraulikpumpe Kpl.	Oil-pump	Pompe hydarulique	1,7 cm ³ + 2,2 cm ³
55	890414	Nippel	Nipple	Réducteur	3/8" x Ø12 Fast oml.
56	1007528	Nippel	Nipple	Réducteur	¾" x 3/8"
57	1007440-1	Pakningssæt	Gasket set	Jeu de joints	For Danfoss Motor
58	1008622	Vinkel	Angle	Raccord coude	Ø12 x Ø12 Fast oml.
59	1007508	Kuglehane	Ball Valve	Robinet à tournant	3/8 x 3 vejs
60	761090	Bolt	Bolt	Boulon	M6 x 20 mm
61	763820	Bræddebolt	Bolt	Boulon	M6 x 20 mm
62		Låsemøtrik	Nut	Ecrou	M4
63	763518	Bolt	Bolt	Boulon	M4 x 25 mm
64	1009347	Beslag, magnet	Fitting, Magnet	Patte de fixation, Aiment	Ø20/10 mm Magnet
65	1010979	Nippel	Nipple	Réducteur	Ø12 Fast oml. x ¼" Indv. gev.



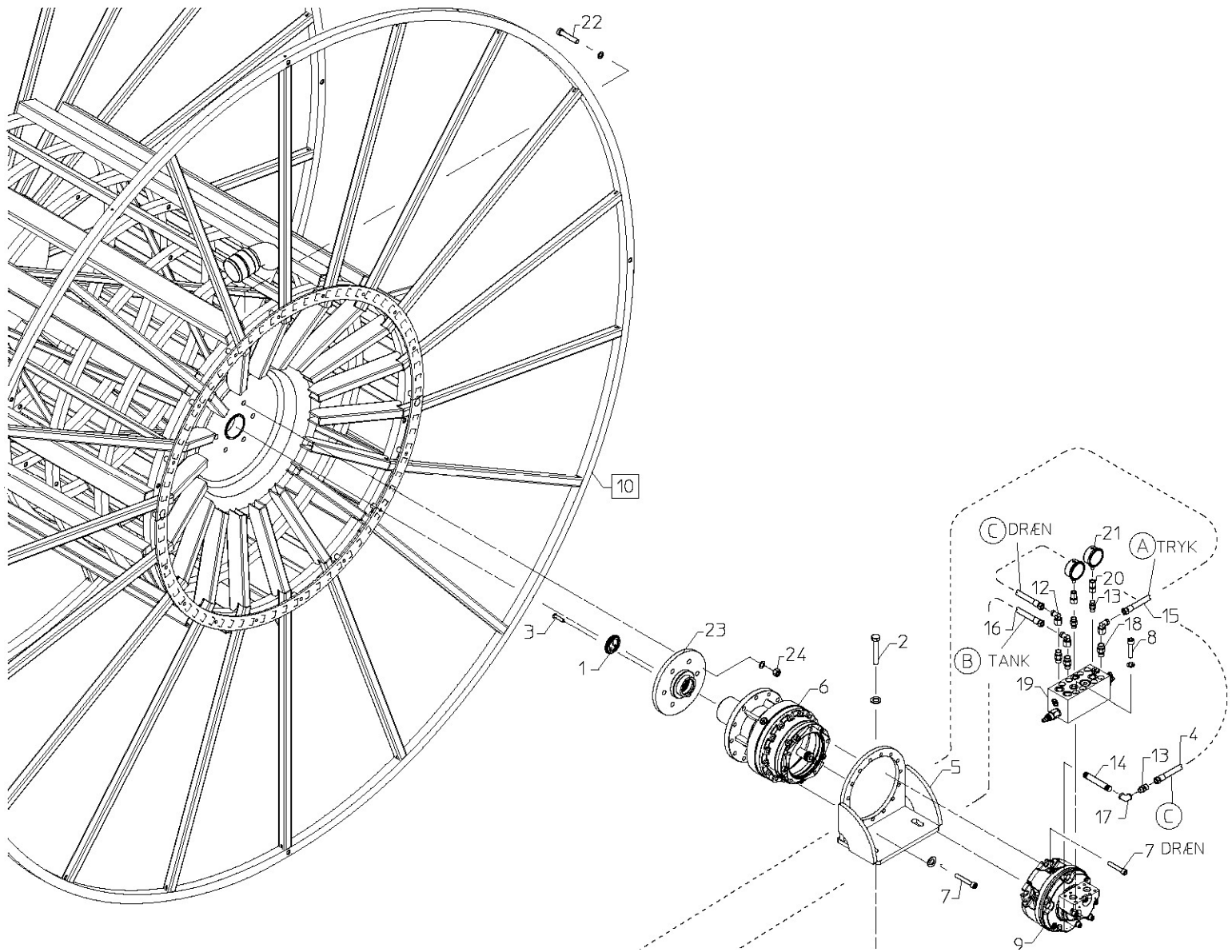
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TANK

TRYK

**FM 5500H fra maskin nr. 7190 / FM 5500H from machine no. 7190
FM 5500H à compter de la Machine Nr. 7190**

Pos. Nr.	Best.Nr.	Benævnelse	Description	Nomenclature	Bemærkninger
Pos. No.	Part No.				Remark
Pos. No.	Piece No.				Remarque
DOBBELTPUMPE/DOUBLE POMPE					
66	761163-4	Manometer	Manometer	Manomètre	1/4 " – 100 bar
67	1010970	Filter	Filter	Filtre	Højtryk
68	-	O-ring	Cap	Joint torique	
69	1013950	Ventil for oliemotor	Valve Oil-engine	Valve Moteur hydraulique	
70	195255	Pasfeder	Tongue	Clavette	4 X 4 X 28 MM. "A"
71	-	Bolt	Bolt	Boulon	M8 x 70 mm Indv. 6-kant
72	1010988	Slange	Hose	Tuyau	3/8" x3600MM m.2xØ12 oml..TANK
73	-	Møtrik	Nut	Ecrou	M12
74	1008614	Slange	Hose	Tuyau	3/8" x4900MM m.2xØ12oml. TRYK
75	763860	Låsemøtrik	Nut	Ecrou	M5
76	1009390	Banjoblok	Banjo Block	Bloc hydraulique	
77	1007544	Vinkel	Angle	Raccord coude	3/8" x Ø12 mm
78	1013125	Håndtag for stopstang	Lever	Levier	
79	-	Bolt	Bolt	Boulon	M8 x 30 mm
80	1013126	Beslag for håndtag	Fitting	Patte de fixation	
81	1008600	Slange	Hose	Tuyau	3/8" x 1050 mm.
82	1007516	Tee	Tees	Raccords T	Ø15 x Ø15 x Ø15 Fast oml.

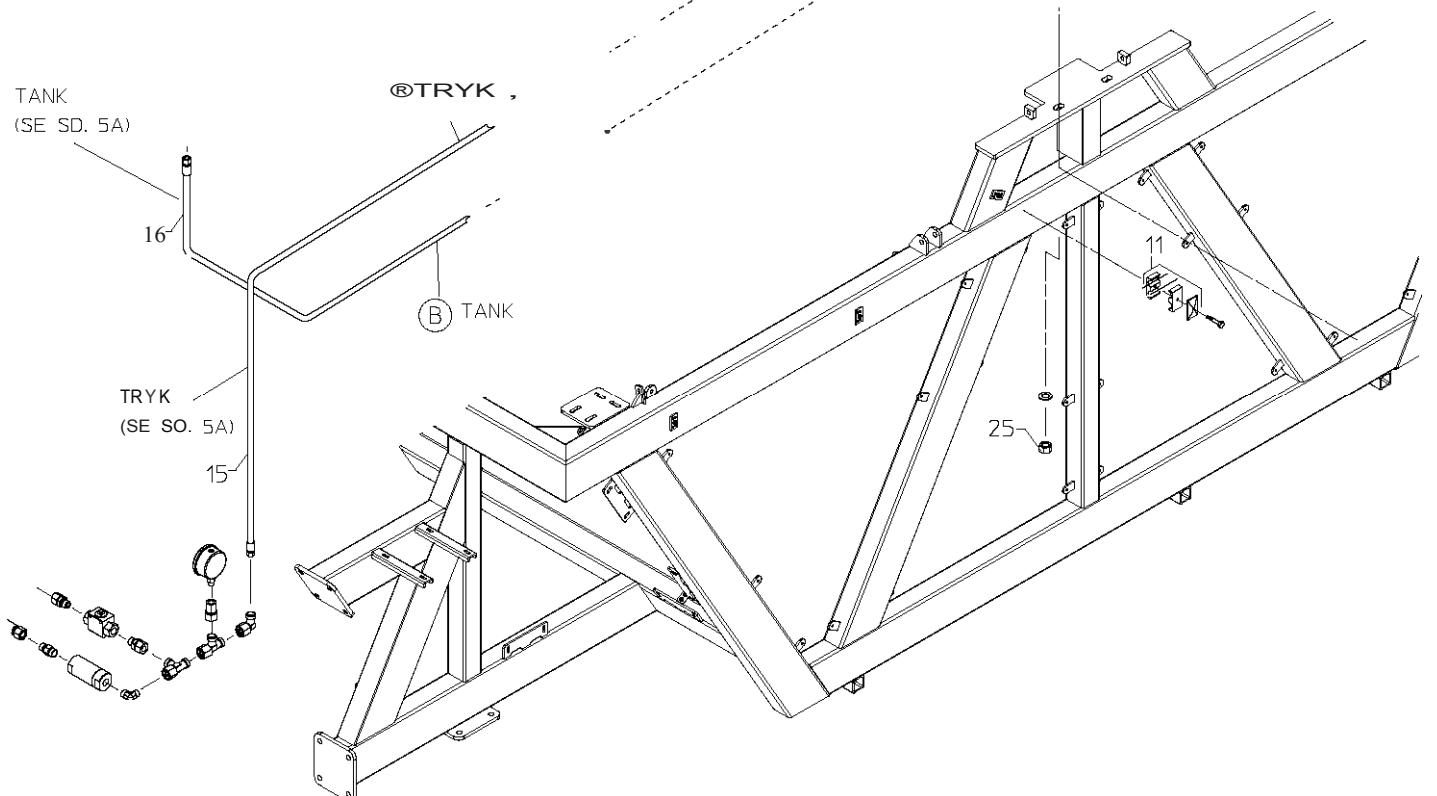


TANK
(SE SD. 5A)

®TRYK

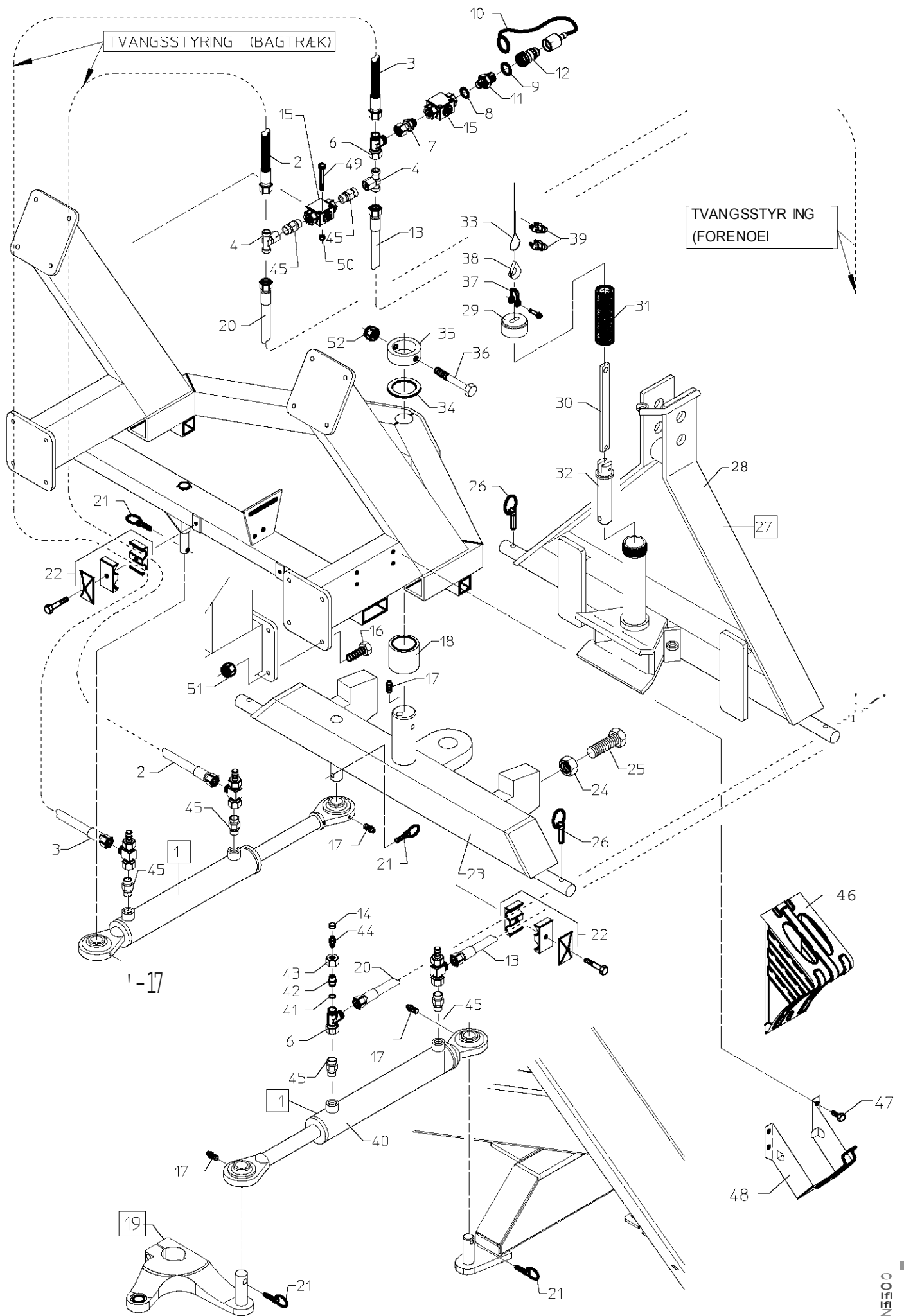
(B) TANK

TRYK
(SE SO. 5A)



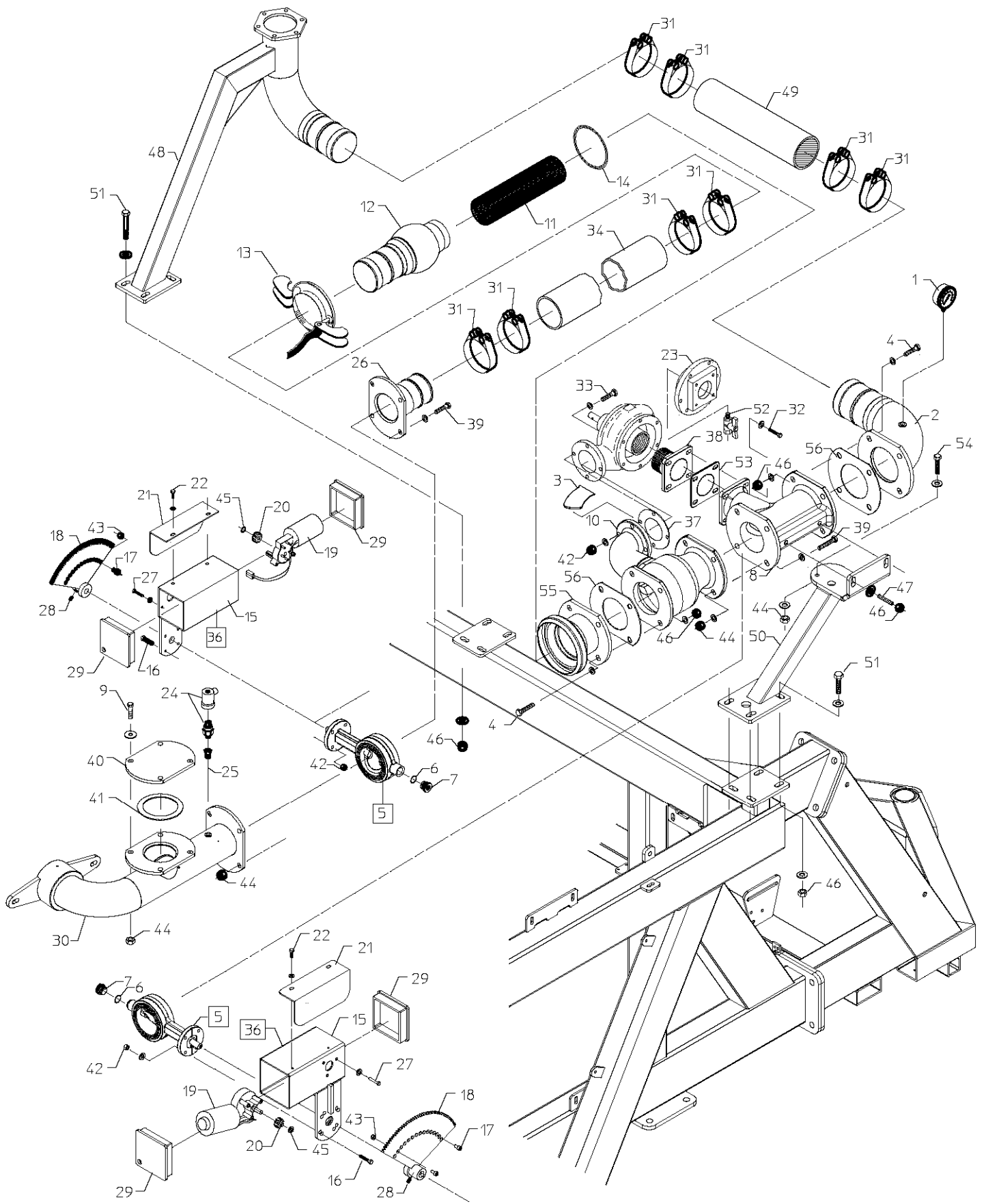
**FM 5500H fra maskin nr. 7744 / FM 5500H from machine no. 7744
FM 5500H à compter de la Machine Nr. 7744**

Pos. Nr.	Best.Nr.	Benævnelse	Description	Nomenclature	Bemærkninger
Pos. No.	Part No.				Remark
Pos. No.	Piece No.				Remarque
GEAR FOR SLANGEOPTRÆK / ENGRENAGE POUR RÉTRACTION DU TUYAU					
1	-	Låseskive for aksel	Lock Washer	Rondelle	
2	-	Bolt	Bolt	Boulon	M20 x 60 mm
3	-	Bolt	Bolt	Boulon	Unders.konisk Indv. 6-kant M8 x 20 mm
4	1008612	Slange	Hose	Tuyau	3/8" x 600 MM m. 2xØ12 oml. DRÆN
5	1013040	Gearkonsol	Gear console	Console	
6	1013920	Gear	Gear	Transmission	
7	-	Bolt	Bolt	Boulon	M12 x 80 mm Rundh. m. indv. 6-kant
8	-	Bolt	Bolt	Boulon	M10 x 80 mm Rundh. m. indv. 6-kant
9	1013930	Oliemotor	Oil-motor	Moteur hydraulique	-
10	1013015	Slangetromle	Hose Reel	Bobine	Ø3900
11	1007514	Slangeholder	Hoseholder	Fixation flexible	Ø16 x 16 mm
12	1008622	Vinkel	Angle	Raccord coude	Ø12 x Ø12 fast oml.
13	1010978	Nippel	Nipple	Réducteur	1/4" x Ø12 mm
14	1013830	Nippelrør	Pipe Fitting	Raccord	1/4" x 120 mm
15	1008614	Slange	Hose	Tuyau	3/8" x 4900 MM m. 2xØ12 oml. A TRYK
16	1010988	Slange	Hose	Tuyau	3/8" x 3600 MM m. 2xØ12 oml. B TANK
17	1013831	Vinkel	Angle	Raccord coude	1/4" muffe - muffe
18	1007724	Nippel	Nipple	Réducteur	3/8" x Ø12 MM
19	1013940	Ventilblok	Valve block	Valve block	-
20	1010979	Nippel	Nipple	Réducteur	Ø12 FAST OML. x 1/4" INDV. G
21	761163-4	Manometer	Manometer	Manomètre	1/4"
22	-	Bolt	Bolt	Boulon	M20 x 1.5 x 60 mm Fingevind
23	1013045	Mangenotflange	Flange	Bride	Ø250
24	-	Låsemøtrik	Nut	Ecrou	M20 x 1.5 Fingevind
25	763600	Låsemøtrik	Nut	Ecrou	M20



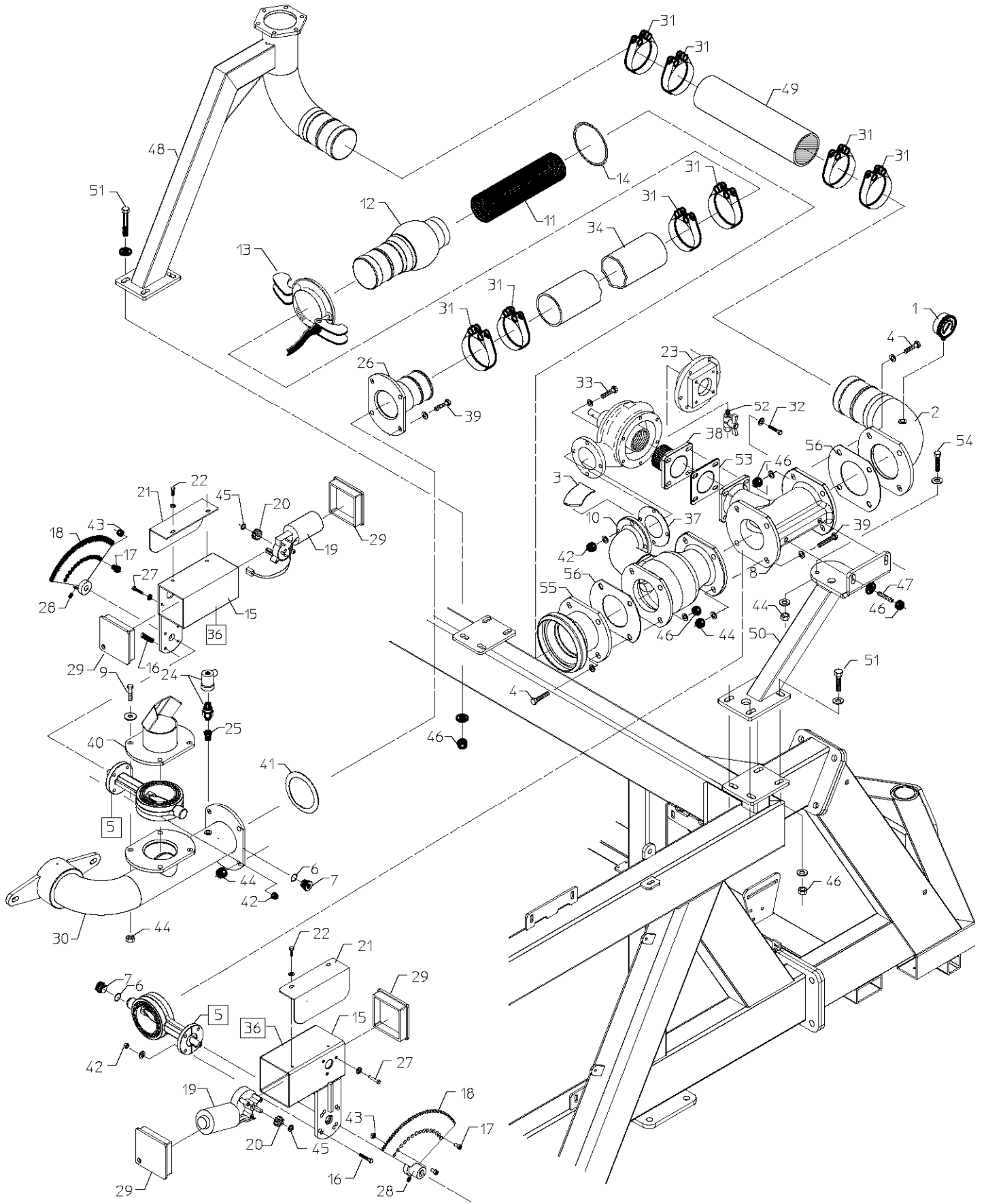
FM 5500H fra maskin nr. 7744 / FM 5500H from machine no. 7744
FM 5500H à compter de la Machine Nr. 7744

Pos. Nr. Pos. No. Pos. No.	Best.Nr. Part No. Piece No.	Benævnelse	Description	Nomenclature	Bemærkninger Remark Remarque
1	1013100	Cylinder, Komplet	Cylinder, Complete	Vérin	Ø70/40 x 280 mm.
2	1008601	Slange	Hose	Tuyau	3/8" x 1600 mm. (Bagtræk)
3	1008600	Slange	Hose	Tuyau	3/8" x 1050 mm. (Bagtræk)
4	1007518	Tee	Tees	Raccords T	Ø12 x Ø12 Fast oml. x Ø12
5	-	-	-	-	-
6	1007531	Tee	Tees	Raccords T	Ø12 x Ø12 x Ø12 Fast oml.
7	890414	Nippel	Nipple	Réducteur	3/8" x Ø12 Fast oml.
8	BS18	Skive	Washer	Rondelle	3/8"
9	801709	Skive	Washer	Rondelle	1/2"
10	801711	Plastprop	Plastic plug	Plastique Bouchon	1/2"
11	1007538	Nippel	Nipple	Réducteur	3/8" x 1/2" lige
12	801710	Han kobling	Quick Coupling	Raccord rapide mâle	1/2"
13	1013829	Slange	Hose	Tuyau	3/8" x 8900 mm. (Forende)
14	1007502	Hætte	Cap	Bouchon	
15	1007510	Kuglehane	Valve	Vanne	3/8"
16	763625	Bolt	Bolt	Boulon	M16 x 40 mm.
17	761286	Smørenippel	Grease Nipple	Graisser	M6
18	2002024	Bøsning	Bushing	Bague	Ø70/75 x 50 mm.
19	2001887	Spindelarm venstre, cpl.	Arm Spindle, left cpl.	Biellette gauche, cpl.	
20	1013828	Slange	Hose	Tuyau	3/8" x 9400 mm. (Forende)
21	763640	Split	Split	Goupille de sécurité	Ø6,0 mm.
22	1007514	Slangeholder	Hoseholder	Fixation flexible	Ø18,0 mm.
23	2000568-1	Bagtræk	Drawbar	Barre de attelage	
24	763755	Møtrik	Nut	Ecrou	M24
25	763645	Bolt	Bolt	Boulon	M24 x 80 mm. Sæt
26	763642	Split	Split	Goupille de sécurité	Ø8,0 mm.
27	1008280	Trækramme, komplet	Frame, Complete	Attelage complet	
27	1008280-1	Trækramme Hydr., kpl	Frame Hydraulic, Cpl.	Attelage cpl.	
28	1008281	Trækramme	Frame	Châssis	
28	1008281-1	Trækramme Hydraulisk	Frame Hydraulic	Châssis Hydraulique	
29	1008286	Dæksel	Cap	Bouchon	
30	1008284	Arm	Shaft	Patte de liaison	
31	1008290	Trykfjeder	Spring	Ressort	Ø32 x 210 mm.
32	1008282	Træktap	Drawpin	Axe	
33	1008292	Wire	Steel Wire	Câble	2700 mm.
34	658491	Skive	Washer	Rondelle	Ø50/70 x 2,0 mm.
35	2006521	Stopring	Stopring	Baque de arrêt	
36	761239	Bolt	Bolt	Boulon	M10 x 80 mm.
37	761187	Sjækel	Thimbles	Manille	1/4" Galv.
38	761012-1	Kouse	Thimbles	Oeillet	Ø5,0
39	761013-1	Wirelås	Wire Locks	Sere câble	Ø5,0
40	1008585-1	Pakningssæt	Gasket set	Jeu de joints	50/30 mm. Cylinder
41	1007498	O-ring	Cap	Joint torique	
42	1007499	Nippel	Nipple	Réducteur	Rustfri
43	1007505	Omløber	Nut	Ecrou	M18 x 1,5 mm.
44	1007501	Udluftningsnippel	Nipple	Réducteur	
45	1007724	Nippel	Nipple	Réducteur	3/8" x Ø12 Skærring
46	1005800	Stopklods	Stop Block	Butoir	
47	763520	Bolt	Bolt	Boulon	M8 x 16 mm
48	1005805	Holder for stopklods	Holder Stop Block	Support de butoir	
49	763450	Bolt	Bolt	Boulon	M5 x 45 mm
50	763860	Låsemøtrik	Nut	Ecrou	M5
51	763750	Låsemøtrik	Nut	Ecrou	M16
52	763864	Låsemøtrik	Nut	Ecrou	M10



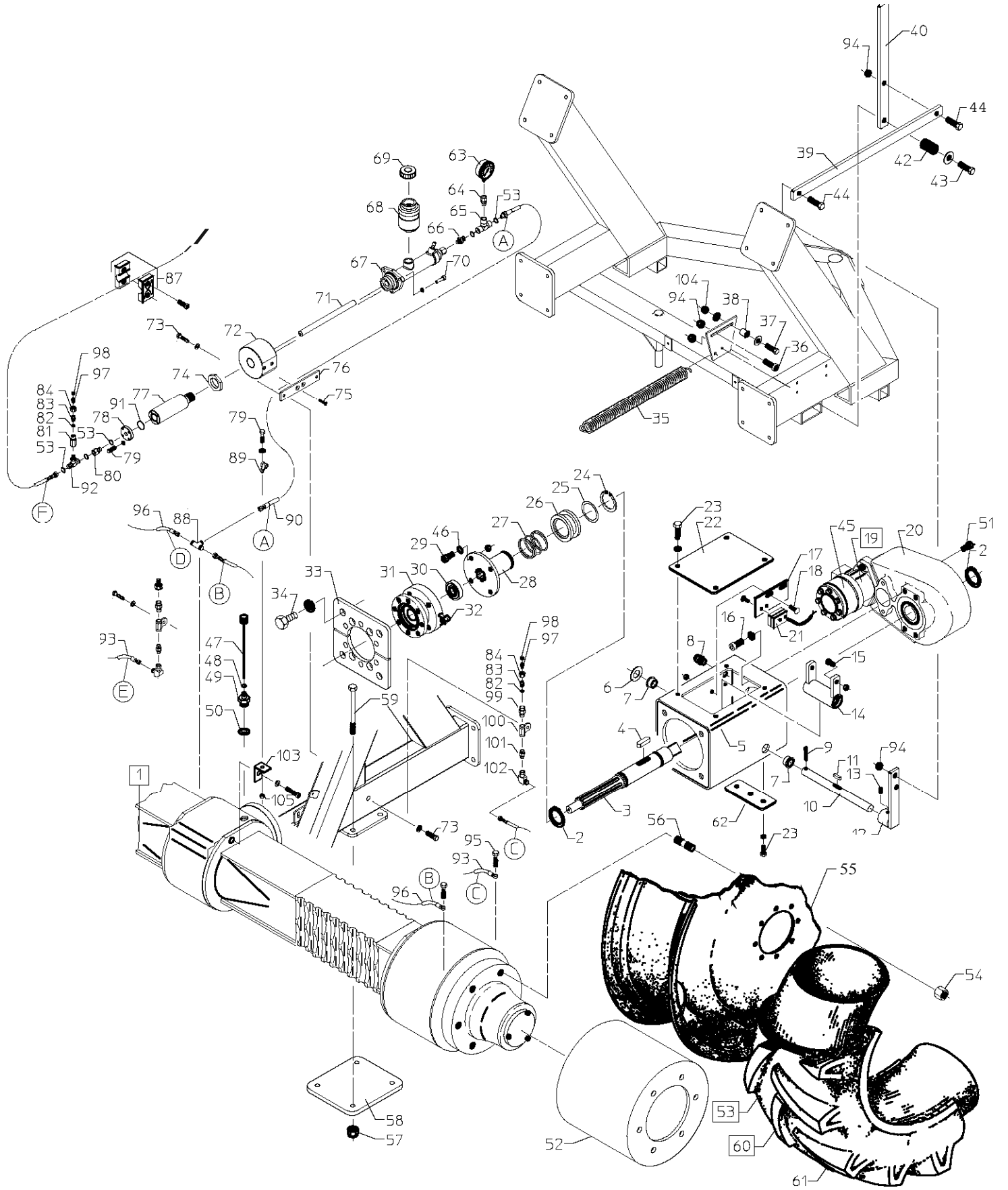
**FM 5500H fra maskin nr. 7744 / FM 5500H from machine no. 7744
FM 5500H à compter de la Machine Nr. 7744**

Pos. Nr.	Best.Nr.	Benævnelse	Description	Nomenclature	Bemærkninger
Pos. No.	Part No.				Remark
Pos. No.	Piece No.				Remarque
STOP FOR OVERTRYK/ ARRÊT SURPRESSION					
1	1001163	Manometer	Manometer	Manomètre	1/4" 0 - 10 bar.
2	1013035	Flange m. slangestuds	Flange	Bride	4"
3	13000085	Strålesamler for bundrør	Waterjet collector	Collecteur	
4	761116	Bolt	Bolt	Boulon	M12 x 40 mm.
5	544112	Ventil	Valve	Vanne papillon	Ø100
6	-	O-ring	O-ring	Joint-Torique	
7	-	Dæksel	Cap	Bouchon	
8	33000227	Udgangssrør turbine	Pipe	Tube turbine	
9	761083	Bolt	Bolt	Boulon	M10 x 40 mm.
10	33000226	Bundrør turbine	Pipe	Tube turbine	
11	1005753	Filter	Filter	Filtre	Ø90 indiv. x 200 mm.
12	1013034	Kugle m. slangestuds	Hose Nozzle	Raccord "Bauer"	HK-108
13	14050013	Greb	Lever	Bride	HK-108
14	14050043	O-ring	O-ring	Joint Torique	HK-108
15	1007170	Motorhus	Enginehousing	Logement moteur	
16	763430	Bolt	Bolt	Boulon	M8 x 30 mm.
17	763680	Bolt	Bolt	Boulon	M8 x 16 mm. indiv. 6-kant
18	1007195	Tandhjul	Cogwheel-Big	Crémaillère	Udb. Ø15,8 mm.
19	1007180	Motor	Engine	Moteur	12v.
20	1007190	Tandhjul	Cogwheel-Small	Pignon	10 T.
21	1007185	Skærm	Shield	Carter	
22	763525	Bolt	Bolt	Boulon	M6 x 10 mm.
23	13000086	Turbinedæksel	Turbine bearing cap	Couvercle de turbine	Aluminium
24	2002894	Pressostat	Pressostat	Pressostat	6,1 m.
25	763530	Nippel	Nipple	Réducteur	1/4" x 1/8"
26	1013033	Flange	Flange	Tube entrée régulation	4" x 150 mm.
27	763535	Bolt	Bolt	Boulon	M6 x 16 mm.
28	763540	Unbracoskrue	Allen Screw	Vis Allen	M6 x 6 mm.
29	1007175	Lukkeprop	Plug	Couvercle	
30	1013030	Bøjning	Bend	Coude	
31	1001340	Spændebånd	Hose clip	Collier	Ø98 -103 mm.
32	763519	Bolt	Bolt	Collier	M8 x 20 mm.
33	763735	Bolt	Bolt	Collier	M8 x 40 mm.
34	-	Slange	Hose	Souple	4" x 1480 mm
35	-	-	-	-	-
36	1007230	Motorventil, Komplet	Valve	Vanne motorisée compl.	3"
37	522085	Flangepakning	Paper Gasket	Joint papier	
38	13000063	Flange	Flange	Bride	2"
39	761239	Bolt	Bolt	Boulon	M10 x 80 mm.
40	1013031	Blændflange	Flange	Bride	
41	631100	Flangepakning	Paper Gasket	Joint papier	Ø130/100 x 2.0 mm
42	763863	Låsemøtrik	Nut	Ecrou	M8
43	763752	Møtrik	Nut	Ecrou	M8
44	763864	Låsemøtrik	Nut	Ecrou	M10
45	1007184	Klemring	Tightening Ring	Bague	U-7.0
46	-	Møtrik	Nut	Ecrou	M12
47	763764	Pinolskrue	Bolt	Boulon	M12 x 60 mm
48	1013025	Kanonrør	Pipe	Support canon	4"
49	-	Slange	Hose	Souple	4" x 740 mm
50	1009120	Ophæng for turbine	Turbine Mounting	Support de Turbine	
51	761229	Bolt	Bolt	Boulon	M12 x 35 mm.
52	195010	Kuglehane	Valve	Vanne de purge	1/4"
53	631955	Flangepakning	Paper Gasket	Joint papier	2RG
54	763575	Bolt	Bolt	Boulon	M10 x 70 mm
55	1009328	Flange	Flange	Bride	HK108 Bæger
56	631109	Flangepakning	Paper Gasket	Joint papier	Ø185/95 X 2.0 MM



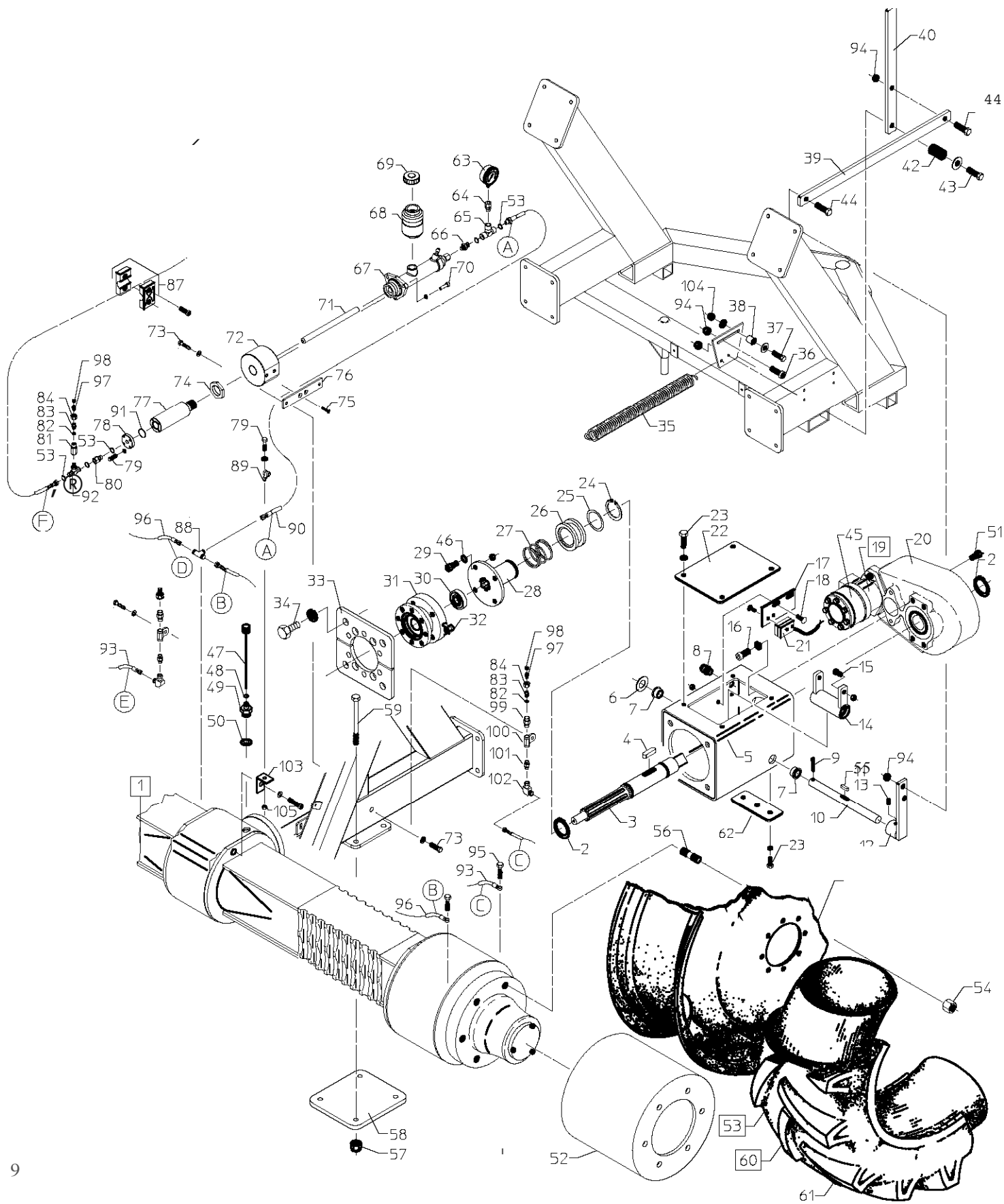
**FM 5500H fra maskin nr. 7190 / FM 5500H from machine no. 7190
FM 5500H à compter de la Machine Nr. 7190**

Pos. Nr.	Best.Nr.	Benævnelse	Description	Nomenclature	Bemærkninger
Pos. No.	Part No.				Remark
Pos. No.	Piece No.				Remarque
STOP FOR LAVTRYK/ARRÊT VANNE DE DÉCHARGE					
1	1001163	Manometer	Manometer	Manomètre	1/4" 0-10 bar.
2	1013035	Flange m. slangestuds	Flange	Bride	4"
3	13000085	Strålesamler for bundrør			
4	761116	Bolt	Bolt	Boulon	M12 x 40 mm.
5	544112	Ventil	Valve	Vanne papillon	Ø100
6	-	O-ring	O-ring	Joint-Torique	
7	-	Dæksel	Cap	Bouchon	
8	33000227	Udgangssrør turbine	Pipe	Tube turbine	
9	-	Bolt	Bolt	Boulon	M10 x 85 mm.
10	33000226	Bundrør turbine	Pipe	Tube turbine	
11	1005753	Filter	Filter	Filtre	Ø90 indiv. x 200 mm.
12	1013034	Kugle m. slangestuds	Hose Nozzle	Raccord "Bauer"	HK-108
13	14050013	Greb	Lever	Bride	HK-108
14	14050043	O-ring	O-ring	Joint Torique	HK-108
15	1007170	Motorhus	Enginehousing	Logement moteur	
16	763430	Bolt	Bolt	Boulon	M8 x 30 mm.
17	763680	Bolt	Bolt	Boulon	M8 x 16 mm. indiv. 6-kant
18	1007195	Tandhjul	Cogwheel-Big	Crémaillère	Udb. Ø15,8 mm.
19	1007180	Motor	Engine	Moteur	12v.
20	1007190	Tandhjul	Cogwheel-Small	Pignon	10 T.
21	1007185	Skærm	Shield	Carter	
22	763525	Bolt	Bolt	Boulon	M6 x 10 mm.
23	13000086	Turbinedæksel	Turbine bearing cap	Couvercle de turbine	Aluminium
24	1007545	Pressostat	Pressostat	Pressostat	5 m.
25	763530	Nippel	Nipple	Réducteur	1/4" x 1/8"
26	1009312	Flange	Flange	Tube entrée régulation	L = 150 mm.
27	763535	Bolt	Bolt	Boulon	M6 x 16 mm.
28	763540	Unbracoskrue	Allen Screw	Vis Allen	M6 x 6 mm.
29	1007175	Lukkeprop	Plug	Couvercle	
30	1010070	Bøjning	Bend	Coude	
31	1001340	Spændebånd	Hose clip	Collier	Ø98 -103 mm.
32	763519	Bolt	Bolt	Boulon	M8 x 20 mm.
33	763735	Bolt	Bolt	Boulon	M8 x 40 mm.
34	-	Slange	Hose	Souple	4" x 1480 mm
35	-	-	-	-	-
36	1007230	Motorventil, Komplet	Valve	Vanne motorisée compl. 3"	
37	522085	Flangepakning	Paper Gasket	Joint papier	
38	13000063	Flange	Flange	Bride	2"
39	761239	Bolt	Bolt	Boulon	M10 x 80 mm.
40	1013032	Spreader, lavtryk	Spreader, low pressure	Epandeur	
41	631100	Flangepakning	Paper Gasket	Joint papier	Ø130/100 x 2.0 mm
42	763863	Låsemøtrik	Nut	Ecrou	M8
43	763752	Møtrik	Nut	Ecrou	M8
44	763864	Låsemøtrik	Nut	Ecrou	M10
45	1007184	Klemring	Tightening Ring	Bague	U-7.0
46	-	Møtrik	Nut	Ecrou	M12
47	763764	Pinolskrue	Bolt	Boulon	M12 x 60 mm
48	1013025	Kanonrør	Pipe	Support canon	4"
49	-	Slange	Hose	Souple	4" x 740 mm
50	1009120	Ophæng for turbine	Turbine Mounting	Support de Turbine	
51	761229	Bolt	Bolt	Boulon	M12 x 35 mm.
52	195010	Kuglehane	Valve	Vanne de purge	1/4"
53	631955	Flangepakning	Paper Gasket	Joint papier	2RG
54	763575	Bolt	Bolt	Boulon	M10 x 70 mm
55	1009328	Flange	Flange	Bride	HK108 Bæger
56	631109	Flangepakning	Paper Gasket	Joint papier	Ø185/95 X 2.0 MM



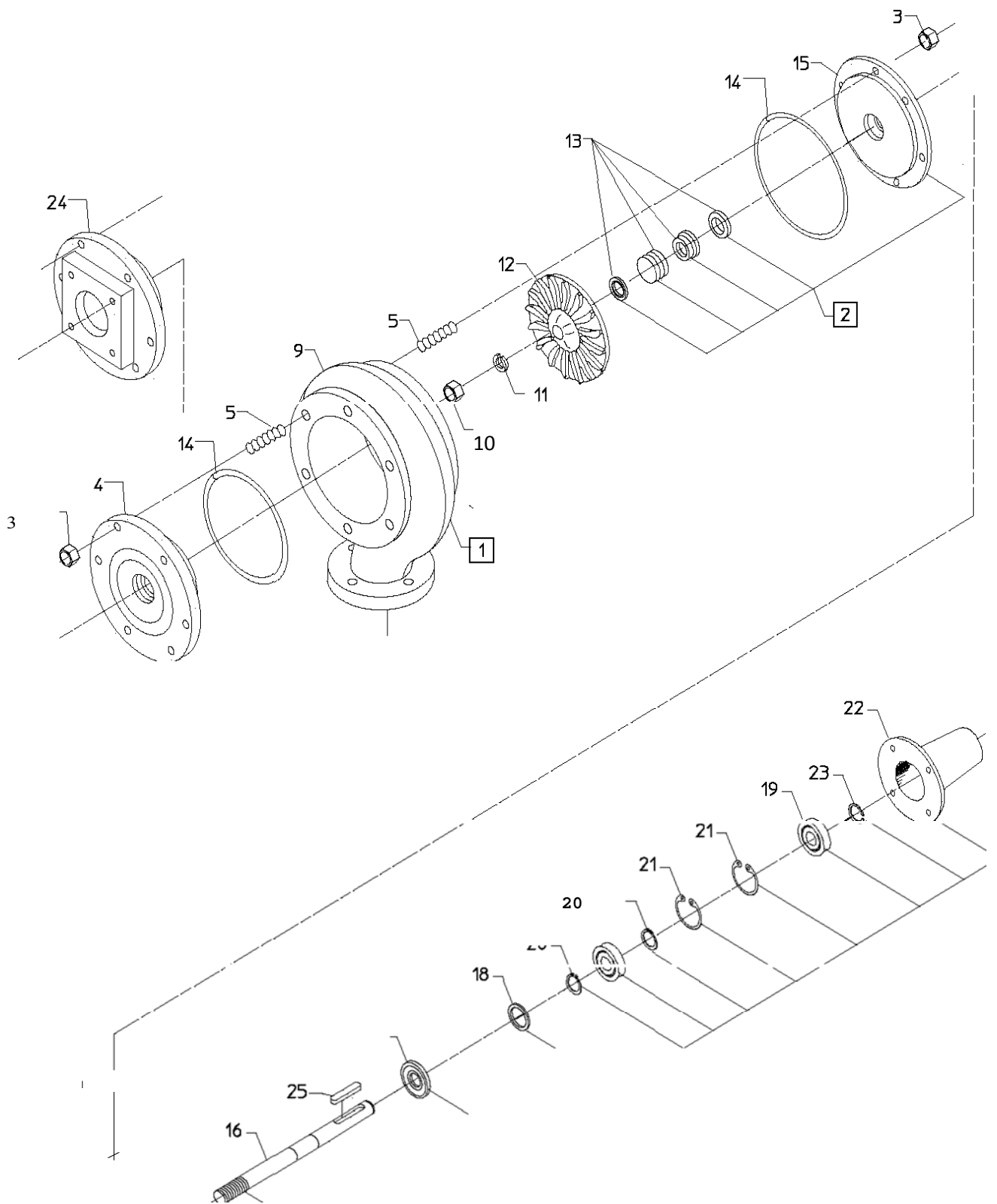
**FM 5500H fra maskin nr. 7744 / FM 5500H from machine no. 7744
FM 5500H à compter de la Machine Nr. 7744**

Pos. Nr.	Best.Nr.	Benævnelse	Description	Nomenclature	Bemærkninger
Pos. No.	Part No.				Remark
Pos. No.	Piece No.				Remarque
1	1009498	Bagtøj, Komplet	Differential axle	Pont différentiel	Sporvidde 2050 mm.
2	1009232	Låsering	Snap Ring	Circlip	Udv. 40 mm.
3	1009230	Mangenotaksel	Axle	Arbre cannelé	
4	1009231	Feder	Tongue	Clavette	12x8 x 50 mm.
5	2002057	Koblingshus		Carter crabotage	
6	761064	Skive	Washer	Rondelle	Ø 20 mm.
7	1009203	Bøsning	Bushing	Coussinet	Ø 20/25 mm.
8	1005535	Kabelforskruning	Cabelscrew	Presse-étoupe	PG.9
9	761010	Split	Split	Goupille	Ø5 x 40 mm.
10	1009235	Aksel	Axle	Axe	Ø20 mm.
11	1009236	Feder	Tongue	Clavette	6 x 6 x 25 mm.
12	1009245	Koblingsarm	Fittings	Biellette	
13	763760	Unbracoskrue	Allen Screw	Vis Allen	M6 x 10 mm.
14	1009240	Skiftegeffel	Forks	Fourchette	
15	763765	Bolt m/indv. 6-kant	Bolt	Boulon	M10 x 20 mm. st. 12.9
16	763570	Bolt m/indv. 6-kant	Bolt	Boulon	M12 x 25 mm. st. 12.9
17	1009255	Beslag for føler	Fittings	Support capteur	
18	763820	Brædebolt	Bolt	Boulon	M 6 x 20 mm.
19	1007443	Oliemotor	Oilmotor	Moteur Hydraulique	
20	1009500	Gear kpl.	Gear, Complete	Réducteur	
21	1007561	Føler dobbelt	Feeler	Capteur magnétique	3,6 meter.
22	1009205	Dæksel	Cap	Couvercle	
23	763520	Bolt	Bolt	Boulon	M8 x 16 mm.
24	1009221	Låsering	Snap Ring	Circlip	Udv. 48 mm.
25	1009222	Støtteskive	Collar	Rondelle	Ø48/60 x 0.5 mm.
26	1009225	Skiftemuffe	Ring	Bague fourchette	
27	1009227	Trykfjeder	Spring	Ressort	
28	1009220	Koblingsnav	Hub	Disque de crabotage	
29	763770	Bolt m/indv. 6-kant	Bolt	Boulon	M10 x 22 mm. st. 12.9
30	1009216	Leje	Bearing	Roulement	
31	1009215	Nav for magneter	Hub	Disque	
32	1007571	Magnet	Magnet	Aimant	PG 7
33	1009210	Flange	Flange	Fixation	2 stk. (et sæt)
34	763775	Bolt	Bolt	Boulon	M16 x 30 mm.
35	1001011	Trækfjeder	Spring	Ressort	Ø4.0 x330 mm.
36	763770	Bolt m/indv. 6-kant	Bolt	Boulon	M10 x 22 mm. st. 12.9
37	763780	Bolt	Bolt	Boulon	M8 x 45 mm.
38	109101	Afstandsør	Pipe	Entretoise	3/8" x 18 mm.
39	1009265	Arm for kobling	Fittings	Barre de liaison	L=540 mm.
40	1009250	Koblingshåndtag	Lever	Levier	
41	571201	Håndtag	Lever	Manchette	
42	1009252	Trykfjeder	Spring	Ressort	
43	763715	Bolt	Bolt	Boulon	M10 x 65 mm.
44	761097	Bolt	Bolt	Boulon	M10 x 30 mm.
45	1007440-1	Pakningssæt	Gasket set	Jeu de joints	
46	-	Skive	Washer	Rondelle	Ø10 mm. Riplock
47	2002813	Oliepind	Cap	Bouchon	
48	1009484	O-Ring	O-Ring	Joint torique	Ø9,25 mm.
49	2003423	Nippel for oliepinde	Nipple	Réducteur	¼" BSP
50	801709	Skive	Washer	Rondelle	
51	1007728	Prop	Plug	Bouchon	1/2 BSP, Indv. 6-kant
52		Rørpotte	Tube	Tube	
53	1013832	Pakningsring	Seal Ring	Joint bague	13 mm
54	1009456	Navmøtrik	Wheel Nut	Ecrou de roues	M18 x 1.5 mm
54	1009462	Konisk skive	Washer	Rondelles coniques	Ø18 mm
55	1014120	Fælg	Rim	Jante	600/65 x 28"8-221-275
56	1009455	Navbolt	Hub Bolt	Boulon de moyeu	M18 x 1.5 mm
57	763750	Låsemøtrik	Nut	Ecrou	M16
58	1009100-86	Spændplade	Sheet	Patte de fixation	
59	1761245	Bolt	Bolt	Boulon	M16 x 200 mm
60	1014125	Baghjul, kpl.	Wheel, complete	Roue, complète	600/65 x 28" Traktormønster
61	1014116	Dæk	Tyre	Pneu	600/65 x 28" Traktormønster
62	1009207	Dæksel	Cap	Couvercle	



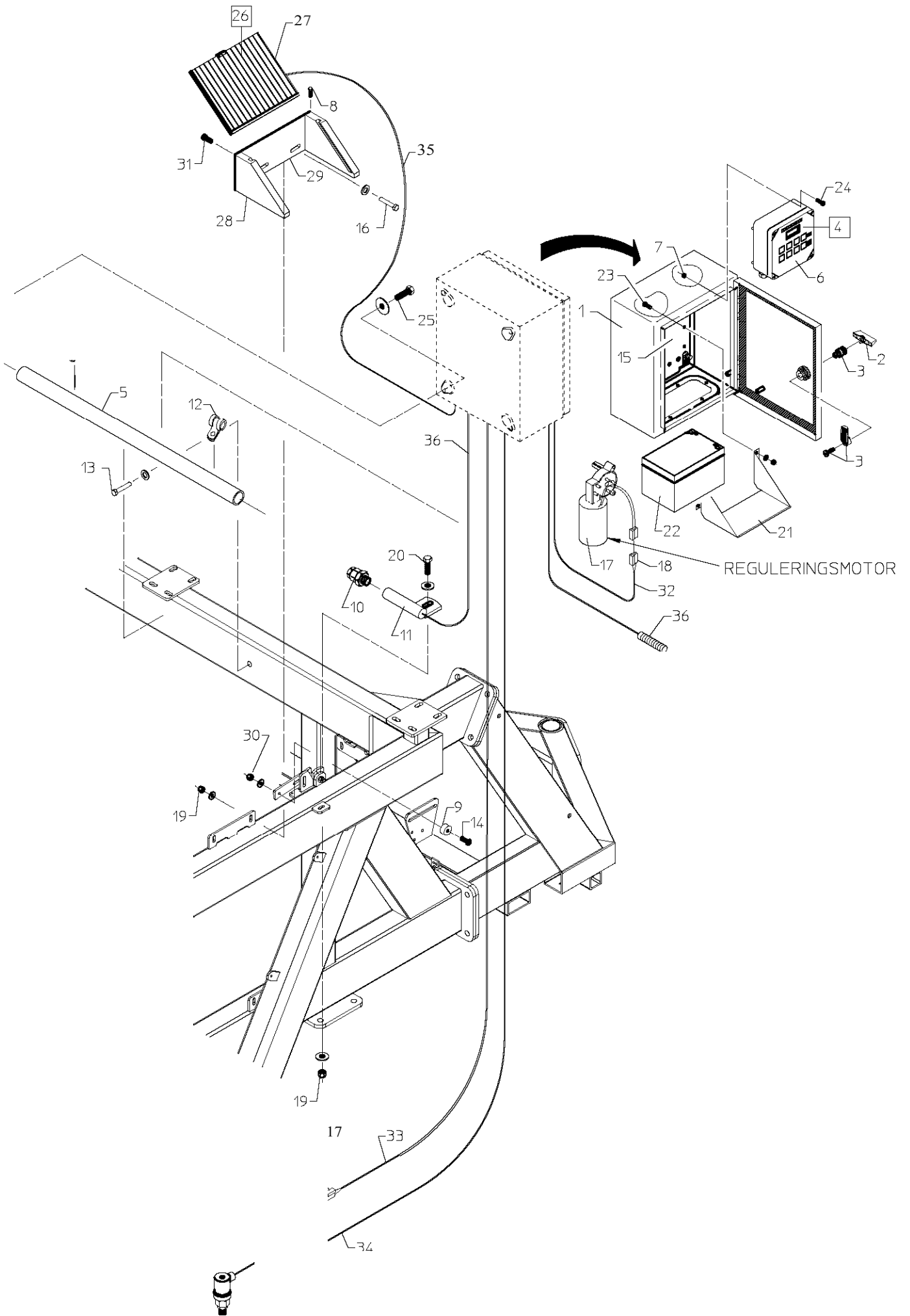
**FM 5500H fra maskin nr. 7190 / FM 5500H from machine no. 7190
FM 5500H à compter de la Machine Nr. 7190**

Pos. Nr.	Best.Nr.	Benævnelse	Description	Nomenclature	Bemærkninger
Pos. No.	Part No.				Remark
Pos. No.	Piece No.				Remarque
63	761163-5	Manometer	Manometer	Manomètre	1-60 bar.
64	1013815	Nippel	Nipple	Réducteur	1/4" x 1/4" Indv./udv.
65	1013814	Tee	Tee	Raccord T	1/4" x 1/4" x 1/4" Indv.
66	1013818	Nippel	Nipple	Réducteur	1/4" x 1/4"
67	1013800	Hovedbremsecylinder	Brake Master Cylinder	Cylindre de frein principal	m. oliebeholder
68	1013803	Bremsevæskebeholder	Brake Fluid Reservoir	Réservoir de liquide de frein	
69	1013804	Dæksel	Cap	Couverture	
70	-	Bolt	Bolt	Boulon	M10 x 30 mm Indv. 6-kant
71	1013806	Aksel	Shaft	Arbre	Ø16 x 258 mm
72	1013809	Mellemflange bremse	Flange	Bride	Ø100 x 60 mm
73	-	Bolt	Bolt	Boulon	M8 x 20 mm
74	1013799	Møtrik	Nut	Ecrou	M30 x 2.0 Aluminium
75	-	Bolt	Bolt	Boulon	M8x15 Unders. Indv. 6-kant
76	1013797	Hulplade	Plate	Plaque	2 stk. Ø8.5 og 2 stk. M8
77	1013801	Bremsecylinder	Brake Cylinder	Cylindre de frein	Aluminium
78	1013798	Hulplade	Plate	Plaque	4 stk. Ø6.5 og 1 stk. M12
79	-	Bolt	Bolt	Boulon	M 6 x 20 mm.
80	1013819	Nippel	Nipple	Réducteur	1/4" x 1/4" m. oml.
81	1013821	Nippel	Nipple	Réducteur	Ø12 x 1/4"
82	1007498	O-ring	O-ring	Joint circulaire	Ø1,5 x 10 mm
83	1007499	Nippel	Nipple	Réducteur	Rustfri
84	1007505	Omløber	Nut	Écrou	M18 x 1.5
85	1013816	Slange	Hose	Tuyau	1/4" x 12600 mm. (Bremse)
86	1013817	Hunkobling	Quick Coupling	Raccord rapide female	1/2" Indv. gevind
87	1013808	Slangeholder	Hoseholder	Fixation flexible	1/4"
88	1007503	Tee	Tee	Raccord T	Ø12 x Ø12 x Ø12
89	1013824	Slangeholder	Hoseholder	Fixation flexible	11.1 mm
90	1013811	Slange	Hose	Souple	Hovedcylinder
91	-	O-Ring	O-Ring	Joint torique	1.78 x 26.7
92	1013820	Tee	Tee	Raccord T	1/4" m. kontramøtrik
93	1013812	Slange	Hose	Souple	Udluftning
94	763864	Låsemøtrik	Nut	Ecrou	M10
95	1013813	Banjobolt	Bolt	Boulon	M10
96	1013810	Slange	Hose	Souple	Yderst
97	1007501	Udluftningsnippel	Nipple	Réducteur	
98	1007502	Hætte	Cap	Bouchon	
99	1010978	Nippel	Nipple	Réducteur	1/4" X Ø12 mm
100	1013823	Beslag	Fitting	Patte de fixation	m. 1/4" Muffe
101	1013825	Nippel	Nipple	Réducteur	1/4"
102	1013826	Vinkel	Angle	Raccord coude	1/4" udv. m . 1/4" om l øbe r
103	1007072	Beslag	Fitting	Patte de fixation	Rustfri (f. bremseslange)
104	763863	Låsemøtrik	Nut	Ecrou	M8
105	761091	Låsemøtrik	Nut	Ecrou	M6



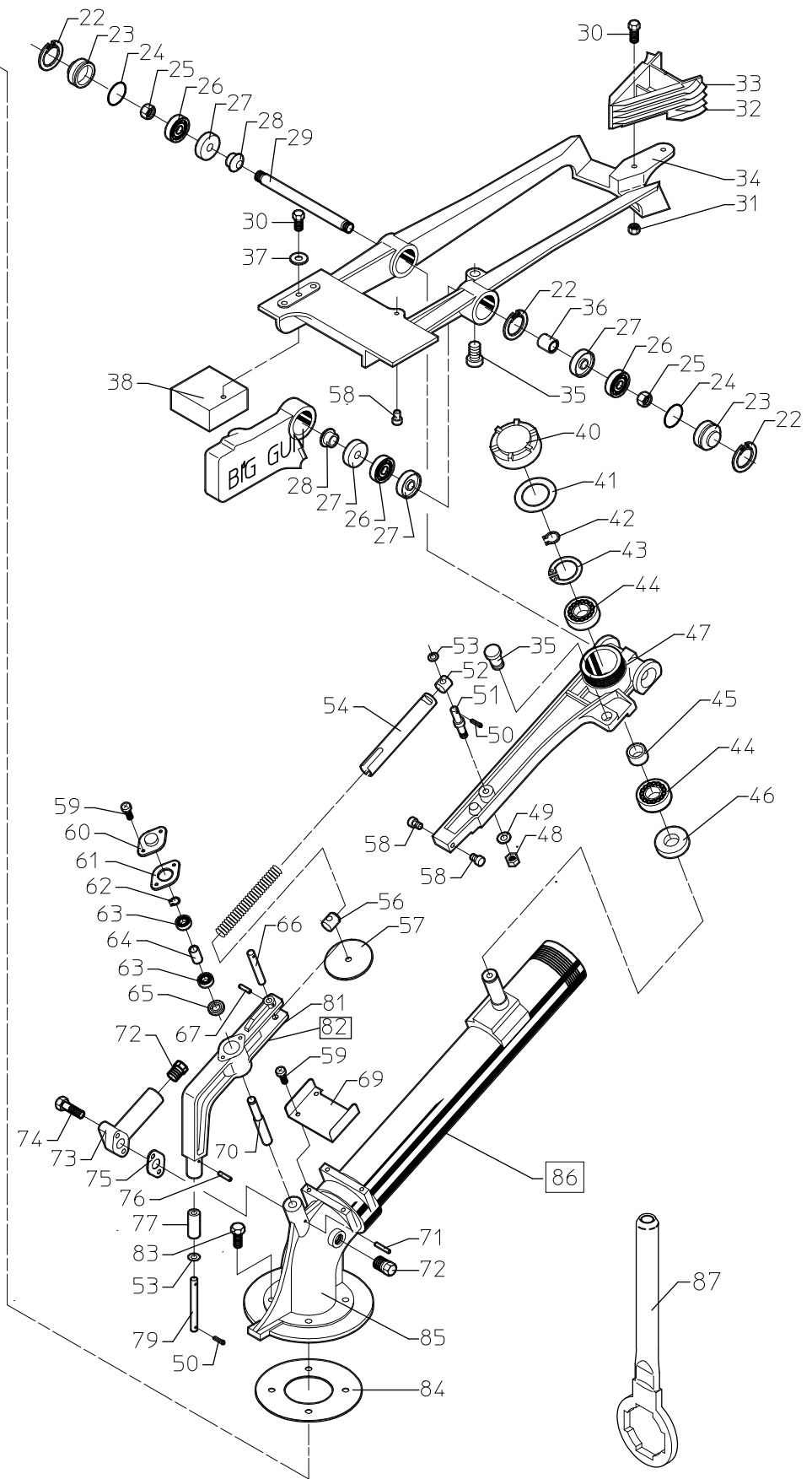
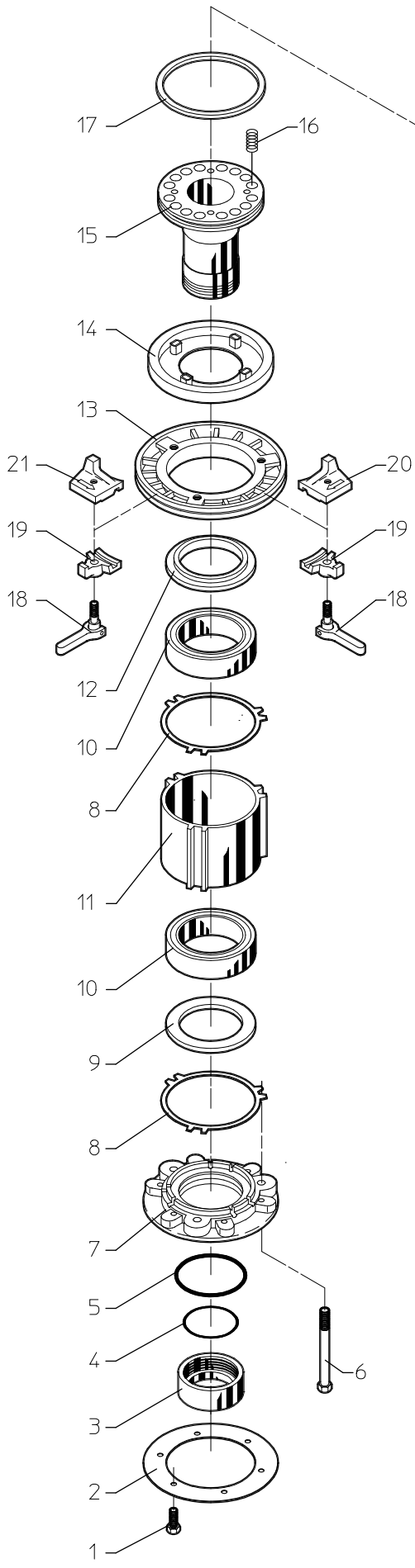
**FM 5500H fra maskin nr. 7190 / FM 5500H from machine no. 7190
FM 5500H à compter de la Machine Nr. 7190**

Pos. Nr.	Best.Nr.	Benævnelse	Description	Nomenclature	Bemærkninger
Pos. No.	Part No.				Remark
Pos. No.	Piece No.				Remarque
1	195000V	Turbine, komplet	Turbine, Complete	Turbine complète	20/50 V
2	195500	Omb. turbinedæksel	Rechangeble turbine bearing cap	Kit Turbine	
3	763545	Låsemøtrik	Nut	Ecrou	M6 Rustfri
4	195023	Afgangsdæksel	Cap	Flasque turbine	
5	096506029	Støttebolt	Bolt	Boulon	M6 x 29 mm.
6	522085	Pakning	Gasket	Joint	
7	195010	Kuglehane	Valve	Vanne de purge	1/4"
8	195009	Vinkel	Ancle	Raccord coude	1/4" ind/ud gevind
9	195001	Turbinehus	Turbine House	Corps de turbine	20/50
10	096012	Møtrik	Nut	Ecrou	M12 Rustfri
11	096112	Fjederskive	Spring Coller	Rondelle grower	ø12 Rustfri
12	195031	Skovlhjul	Turbine Whecl.	Aube turbine	Venstre
13	P195201	Akseltætning	Shaftschild	Kit étanchéité	Ø14 mm.
14	195211	O-ring	O-ring	Joint Torique	Ø129,9 x 3,53 mm.
15	195018	Pakdåsedæksel	Turbinecap	Flasque turbine	
16	195036	Aksel	Axle	Axe	
17	195050	Tætningsring	Packning Ring	Rondelle	ø15/35 x 6,0 mm.
18	195055	Skive	Washer	Joint	Ø34/28,0 x 1,5 mm
19	195220	Leje	Bearing	Roulement	3202-2RS
20	195060	Låsering	Snap Ring	Circlip	Udv. Ø15 mm.
21	195065	Låsering	Snap Ring	Circlip	Indv. Ø35 mm.
22	195013	Lejehus	Bearing Housing	Support roulement	
23	517715	Klemring	Snap Ring	Circlip	Udv. ø15 mm.
24	13000086	Turbinedæksel	Turbine bearing cap	Couvercle de turbine	Aluminium
25	195255	Feder	Parallel key	Clavette parallèle	4 x 4 x 28 mm



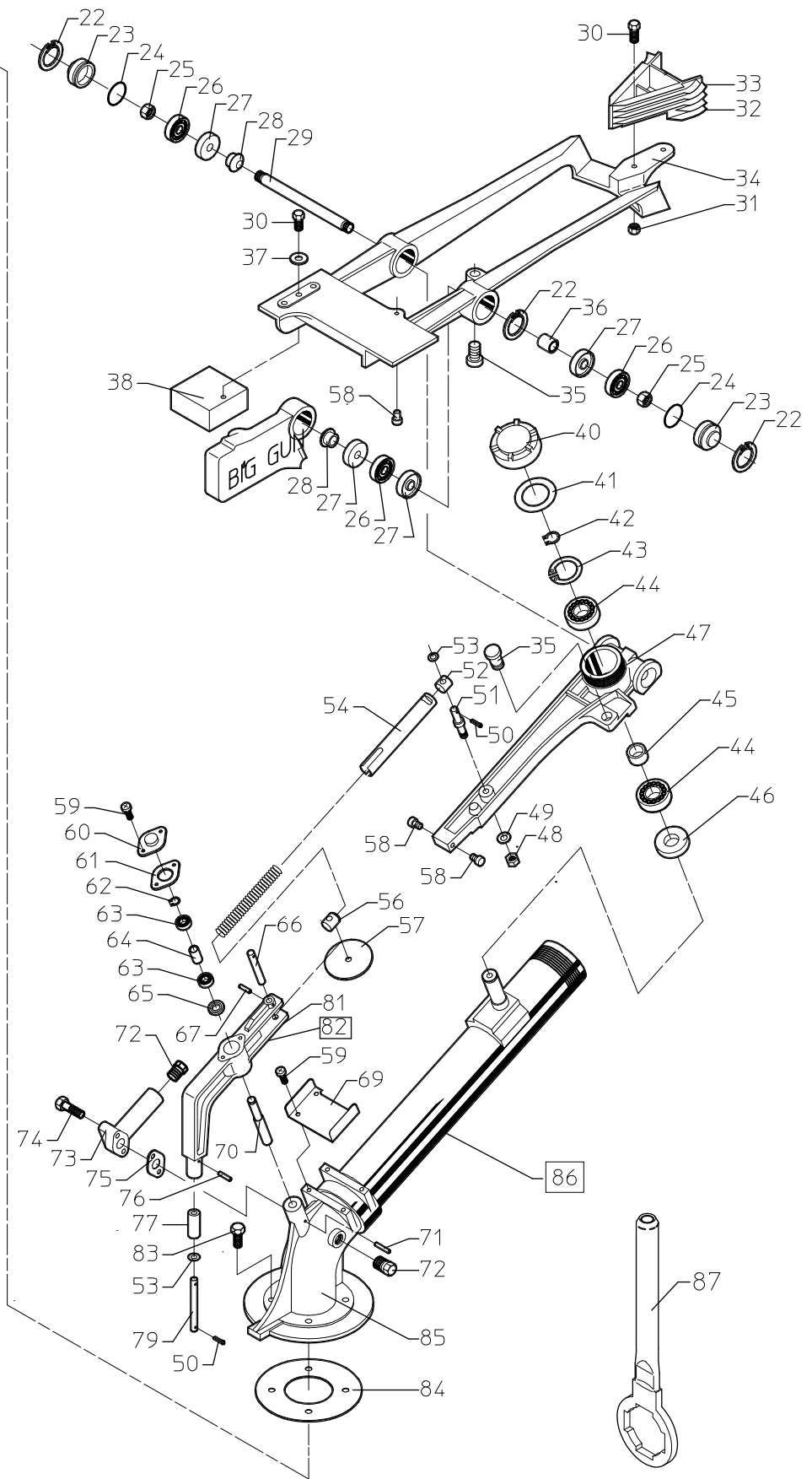
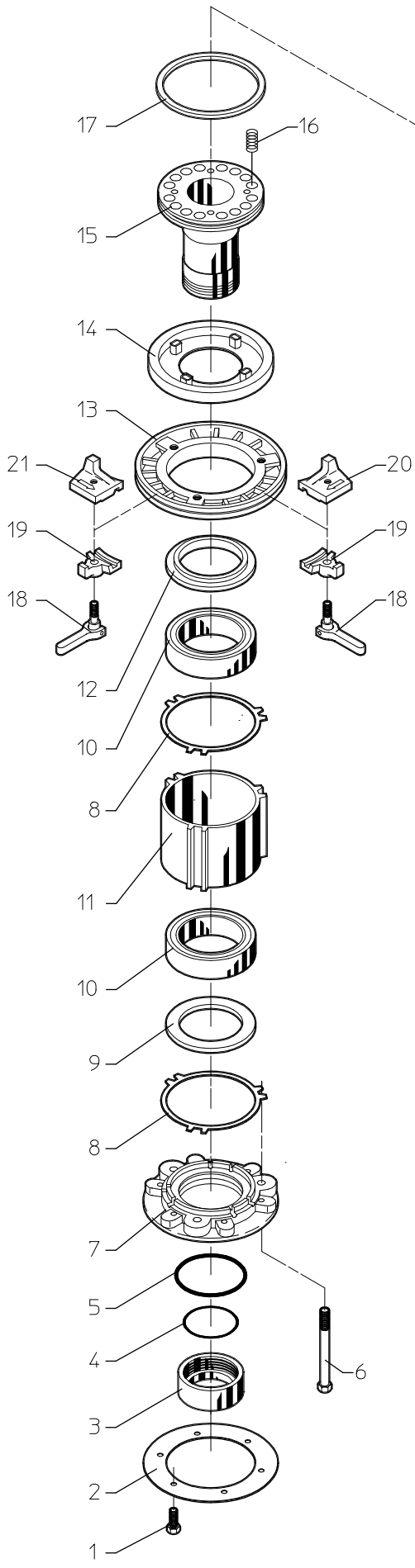
**FM 5500H fra maskin nr. 7190 / FM 5500H from machine no. 7190
FM 5500H à compter de la Machine Nr. 7190**

Pos. Nr.	Best.Nr.	Benævnelse	Description	Nomenclature	Bemærkninger
Pos. No.	Part No.				Remark
Pos. No.	Piece No.				Remarque
1	1007578	Kasse	Box	Armoire	400 x 300 mm.
2	1007582-1	Nøgle	Key	Clé	
3	1007585-1	Lås	Lock	Serrure	For 400 x 300 kasse
4	1007549-8	Programregn.omb.	Program Rain	Program Rain	Type 10-12
5	1009660	Ledningsrør	Wire pipe	Tube de câble	Ø32 x 900 mm
6	1007554	Sikring	Fuse	Fusible	
7	1007558	O-ring	O-Ring	Joint Torique	ø3,5 x 2,0 mm.
8	-	Bolt	Bolt	Boulon	M6 x 20 mm selvsk.
9	1005530	Magnet	Magnet	Aimant	Ø20 x 10 mm.
10	1005535	Kabelforskruing	Cabelscrew	Presse étoupe	PG. 9
11	1008265	Beslag	Fittings	Capteur	
12	1013827	Slangeholder	Hoseholder	Fixation flexible	33.3 mm
13	-	Bolt	Bolt	Boulon	M6 x 25 mm
14	-	Skrue	Screw	Vis	M4 x 20 mm
15	1007588	Montageplade	Fittings	Platine de montage	
16	763655	Bolt	Bolt	Boulon	M8 x 25 mm.
17	1007180	Motor	Engine	Moteur Electrique	12 v.
18	1007183	Stik	Plug	Connecteur	
19	763863	Låsemøtrik	Nut	Ecrou	M8
20	-	Bolt	Bolt	Boulon	M8 x 30 mm
21	1007590	Beslag	Fittings	Support batterie	
22	1005521	Batteri	Batterie	Batterie	12 volt 12 amp.
23	763795	Bolt	Bolt	Boulon	M4 x 10 mm.
24	763510	Bolt	Bolt	Boulon	M4 X 20 mm.
25	763430	Bolt	Bolt	Boulon	M8 x 30 mm.
26	762080	Solpanel sæt	Solar panel set	Kit Panneau solaire	
27	1005523	Solpanel	Solar panel	Panneau solaire	
28	1005523-3	Plader for solpanel	Fittings	Rails panneau solaire	
29	1005523-11	Holder for solpanel	Fittings	Support panneau solaire	
30	-	Låsemøtrik	Nut	Ecrou	M4
31	-	Bolt	Bolt	Boulon	M6 x 30 mm selvsk.
32	1007567	Ledning Grå	Cabel	Câble	Regulering 4,0 M.
33	1007565	Ledning Hvid	Cabel	Câble	Overtryk/Understop 6,5 M.
34	1007545	Pressostat	Pressostat	Pressostat	7,0 meter 2 bar
35	1005523-5	Ledning sort	Cabel	Câble	5,0 meter m. stik
36	1007560	Føler	Feeler	Capteur	5,0 meter
37	1005522	Ladeapparat	Battery Charger	Chargeur de batterie	4 Amp 12V Batteri



**FM 5500H fra maskin nr. 7190 / FM 5500H from machine no. 7190
FM 5500H à compter de la Machine Nr. 7190**

Pos. Nr.	Best.Nr.	Benævnelse	Description	Nomenclature	Bemærkninger
Pos. No.	Part No.				Remark
Pos. No.	Piece No.				Remarque
1	776000	Bolt	Bolt	Boulon	M8 x 25 mm.
2	761614	Pakning	Gasket	Joint	
3	778402	Låsemøtrik	Nut	Ecrou	
4	776548	O-ring	O-ring Seal	Joint Torique	
5	778475	O-ring	O-ring Seal	Joint Torique	
6	778462	Bolt	Bolt	Boulon	3/8" x 115 UNC
7	778401	Bundstykke	Flange	Flasque	
8	778461	Pakning	Gasket	Joint	
9	778373	Tætningsring	Nut Ring	Ecrou	
10	776253	Kugleleje	Bearing	Roulement	
11	778405	Lejehus	Bearing Housnig	Logement Roulement	
12	778372	Tætningsring	Nut Ring	Ecrou	
13	778400	Bremeskive	Disk Brake	Disque frein	
14	778371	Bremsebelægning	Brake Lining	Frein	
15	778459	Lejerør	Bearing pipe	Tube	
16	778474	Fjeder	Spring	Ressort	
17	778473	Tætningsring	Nut Ring	Rondelle élastique	
18	776849	Tee-bolt	Bolt	Molette	
19	776371	Beslag	Fittings	Attache	
20	778432	Stopklods	Stop Counterclockwise	Butée (Anti-Horaire)	
21	778431	Stopklods	Stop Clockwise	Butée (Horaire)	
22	776565	Låsering	Snap Ring	Circlip	Indv. Ø32 mm.
23	776602	Endedæksel	Cap	Bouchon	
24	776563	O-ring	O-ring Seal	Joint-Torique	Ø2,0 x 28,0 mm.
25	776603	Møtrik	Nut	Ecrou	7 / 1 6 " UNF
26	776598	Kugleleje	Bearing	Roulement	
27	776600	Tætningsring	Nut Ring	Ecrou	Ø15 x 32 x 7,0 mm.
28	776607	Afstandsør	Pipe	Coussinets	
29	778465	Aksel	Axle	Axe	
30	776818	Bolt	Bolt	Boulon	1/4" x 20 UNC
31	776060	Møtrik	Nut	Ecrou	1/4" UNC
32	778354	Drivkniv	Vane/Spoon Bracket	Brise jet	
33	779229	Tospeed drivkniv	Vane/Spoon Bracket	Brise jet	
34	778364	Drivarm	Drive Arm	Support	
35	778139	Gummistop dæmper	Bumber	Pion	
37	776070	Fladskive	Tension Disk	Rondelle	1/4"
38	778433	Vægtklods	Counter Weight	Contre-Poids	
39	778125	Kontravægt	Counter Weight	Contre-Poids	
40	778233	Dæksel	Cap	Bouchon	
41	778272	Pakning	Gasket	Joint	
42	778323-017	Låsering	Snap Ring	Circlip	
43	776045	Låsering	Snap Ring	Circlip	Indv. Ø40 mm.
44	776054	Kugleleje	Bearing	Roulement	
45	778326	Afstandsør	Pipe	Entretoise	
46	776048	Tætningsring	Nut Ring	Rondelle	Ø21 x 40 x 7 mm.
47	778394	Omskifter arm	Return Lever	Levier de retour	
48	776064	Møtrik	Nut	Ecrou	5/16" UNC
49	777029	Fladskive	Tension Disk	Rondelle	5/16"
50	776714	Split	Split Pin	Goupille	Ø2,0 x 15 mm.
51	778197	Bolt	Bolt	Boulon	



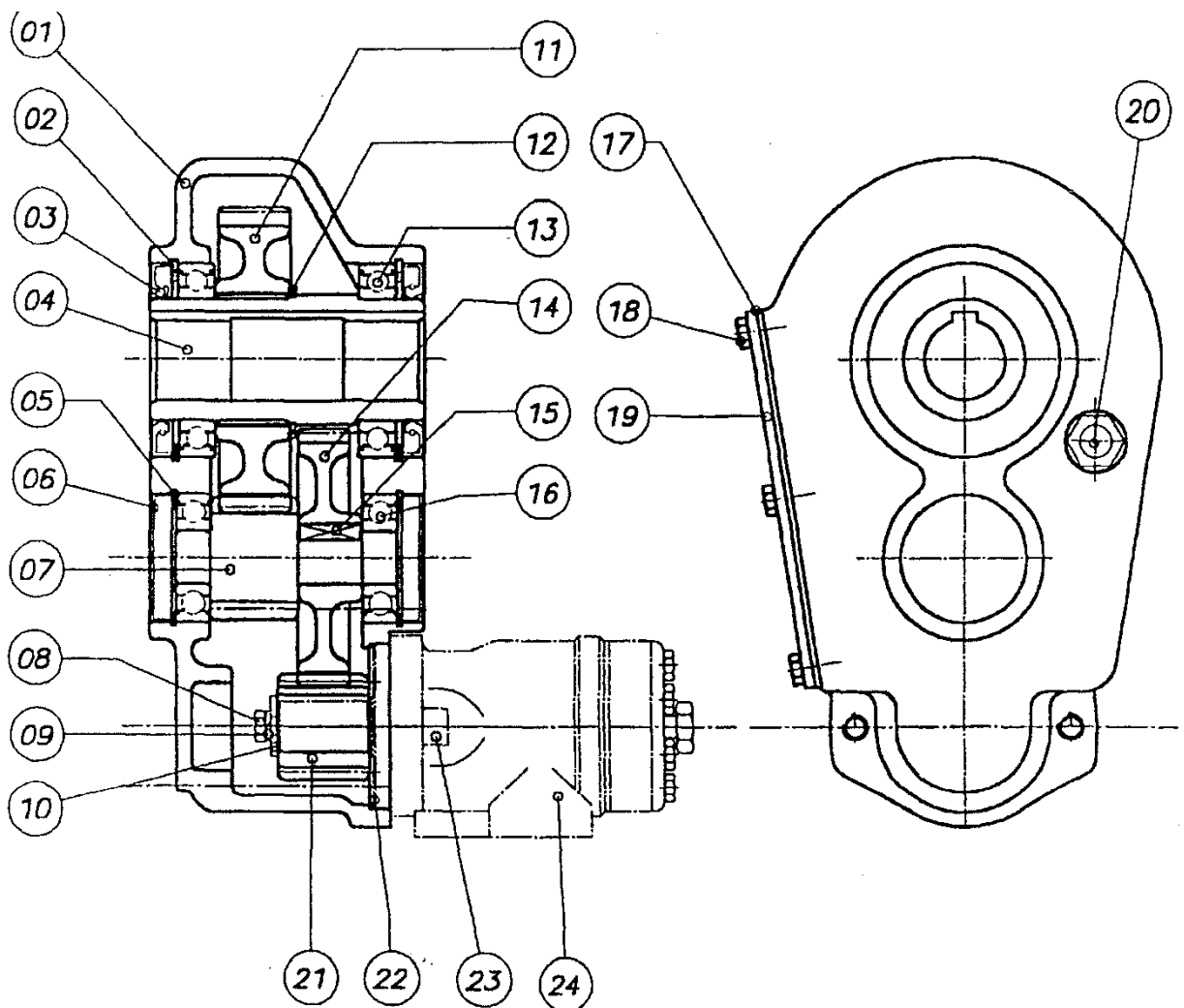
**FM 5500H fra maskin nr. 7190 / FM 5500H from machine no. 7190
FM 5500H à compter de la Machine Nr. 7190**

Pos. Nr.	Best.Nr.	Benævnelse	Description	Nomenclature	Bemærkninger
Pos. No.	Part No.				Remark
Pos. No.	Piece No.				Remarque
52	778282	Aksel	Axle	Axe	
53	778409	Fladskive, kobberskive	Tension Disk	Rondelle	Ø6,0 mm.
54	778446	Rør	Pipe	Biellette	
55	778470	Fjeder	Spring	Ressort	
56	778417	Aksel	Axle	Axe	
57	778336	Skive	Tension Disk	Rondelle	
58	776580	Anslagsstift	Restpadinsert	Butoir	
59	778311	Bolt	Bolt	Vis	
60	778263	Dæksel	Cap	Bouchon	
61	778265	Pakning	Gasket	Joint	
62	778323-004	Låsering	Snap Ring	Circlip	
63	778321	Leje	Bearing	Roulement	
64	778281	Afstandsrør	Pipe	Entretoise	
65	778317	Pakning	Gasket	Joint	Ø9,0 x 22 x 5,0 mm.
66	778193	Stift	Split Pin	Goupille	
67	778320	Split	Split Pin	Goupille	
69	778448	Plade	Sheet	Patte	
70	778274	Aksel	Axle	Axe	
71	776931	Låsestift	Split Pin	Goupille	Ø3,2 x 20 mm.
72	776089	Prop	Plug	Bouchon	
73	778497	Dyserør	Elbowsecon	Sortie buse	
74	776059	Bolt	Bolt	Boulon	1/4" x 32 mm. UNC
75	778511	Pakning	Gasket	Joint	
76	778322	Split	Split Pin	Goupille	
77	778277	Rulle	Roller	Roulette	
79	778276	Aksel	Axle	Axe	
81	778410	Arm	Revwrse Rod	Bras de retour	
82	778451	Kpl. Omskifter	Trip Lever Assy.	Système retour complet	
83	778408	Bolt	Bolt	Boulon	5/16" x 25 UNC
84	778460	Pakning	Gasket	Joint	
85	778587	Strålerør	Elbow/Range Tube	Embase canon	
86	770145	Kanon, kpl.	Sprinkler, complete	Sprinkler,compléte	Nelson SR-150 m. 1 stk. dyse
87	761295	Dysenøgle	Nozzle Wrench	Clé pour buses	SR 150

Dyser - Nozzles - Buse (Nelson SR 150)

770148	0.60
770150	0.70
770152	0.75
770155	0.80
770157	0.85
770160	0.90
770162	0.95
770165	1.00
770170	1.10
770175	1.20
770180	1.30

FLADGEAR



**FM 5500H fra maskin nr. 7190 / FM 5500H from machine no. 7190
FM 5500H à compter de la Machine Nr. 7190**

Pos. Nr.	Best.Nr.	Benævnelse	Description	Nomenclature	Bemærkninger
Pos. No.	Part No.				Remark
Pos. No.	Piece No.				Remarque
<u>FLADGEAR / ENGRENAGE PLAT</u>					
1	1009501	Gearhus	Gear	Réducteur	
1	1009500	Gear kpl.	Gear, Complete	Moto-réducteur complet	
2	1009504	Låsering	Seeger	Circlip	I - 95
3	1009505	Tætningsring	Oil Seal	Joint à lèvres	Ø60/95 x 10 mm.
4	1009506	Hulaksel	Axel	Sortie réducteur	Ø 40 mm.
5	1009507	Låsering	Seeger	Circlip	I - 62
6	1009508	Dæksel	Cap	Bouchon	Ø62
7	1009509	Aksel/tandhjul	Axle	Arbre primaire/Pignon	
8	1009510	Bolt m/indv. 6-kant	Screw	Vis	M8 x 20 st.8.8
9	1009511	Skive	Washer	Rondelle	Ø8,0 mm.
10	1009512	Fjederskive	Spring Coller	Rondelle	
11	1009513	Tandhjul	Gear whell	Pignon secondaire	
12	1009514	Låsering	Seeger	Circlip	E - 65
13	1009515	Leje	Bearing	Roulement	
14	1009516	Tandhjul	Gear whell	Gd. pignon primaire	
15	1009517	Feder	Key	Clavette	8x7 x 30
16	1009518	Leje	Bearing	Roulement	6305
17	1009519	Flangepakning	Paper gasket	Joint	
18	1009520	Bolt	Screw	Ecrou	M8 x 16 mm.
19	1009521	Dæksel	Cap	Couvercle	
20	1009522	Niveauglas	Gauge	Niveau	1/2"
21	1009523	Tandhjul	Gear whell	Pignon moteur Hydraulique	
22	1009524	Pakning	Paper gasket	Joint cartonné	
23	1009529	Bolt m/indv. 6-kant	Screw	Vis	M12 x 35 st .8.8
24	1007440	Oliemotor	Oil-engine	Moteur	

**FM 5500H fra maskin nr. 7190 / FM 5500H from machine no. 7190
FM 5500H à compter de la Machine Nr. 7190**

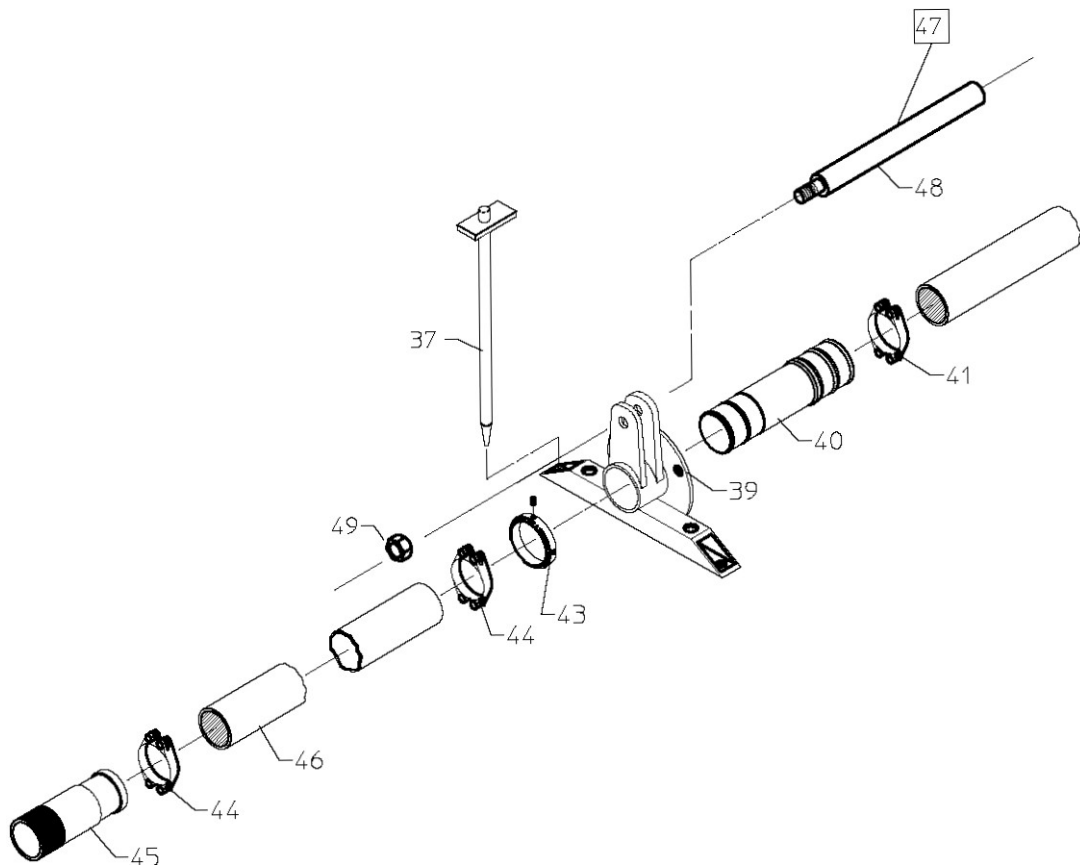
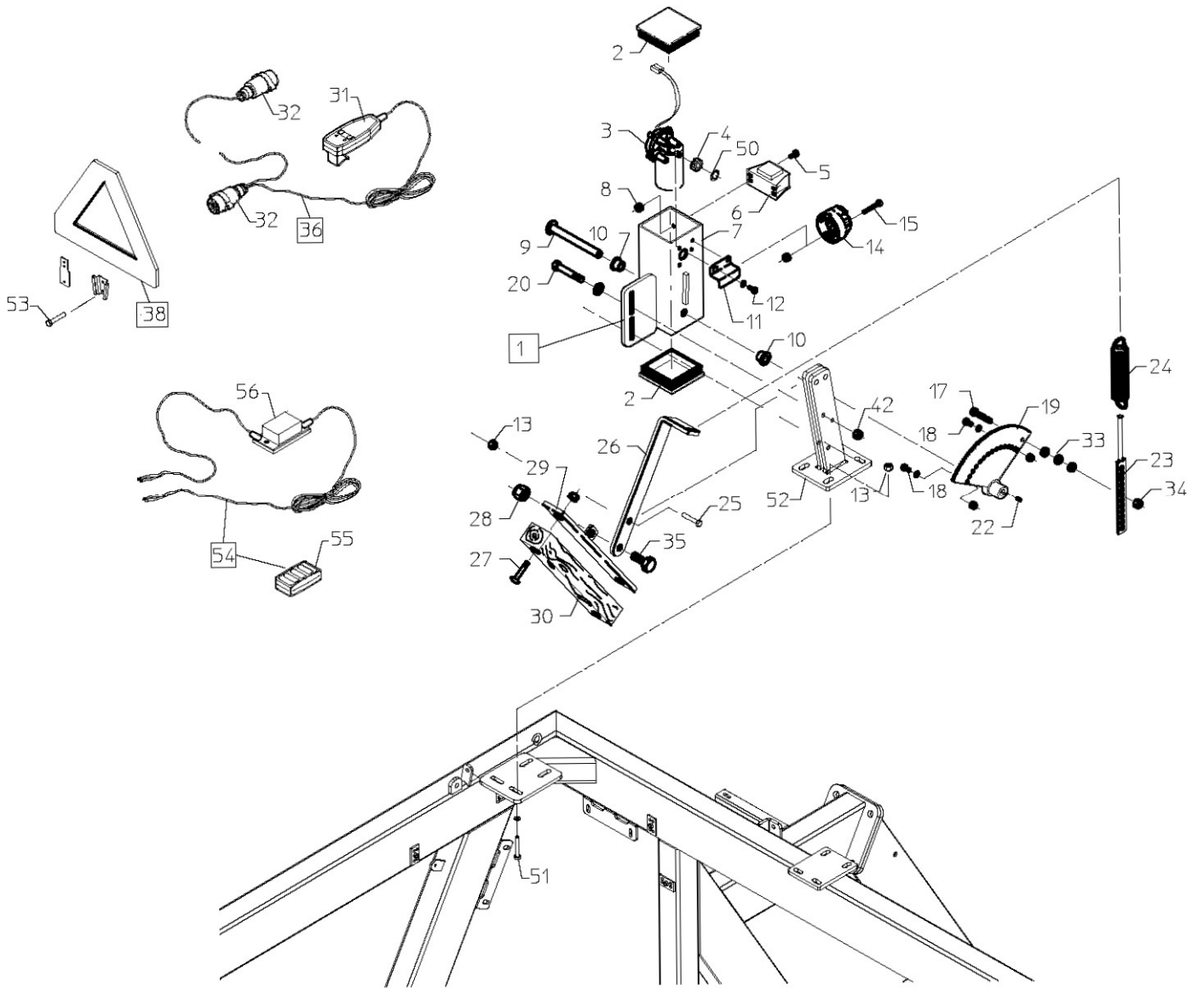
Pos. Nr. Best.Nr.

Bemærkninger

**FM 5500H fra maskin nr. 7190 / FM 5500H from machine no. 7190
FM 5500H à compter de la Machine Nr. 7190**

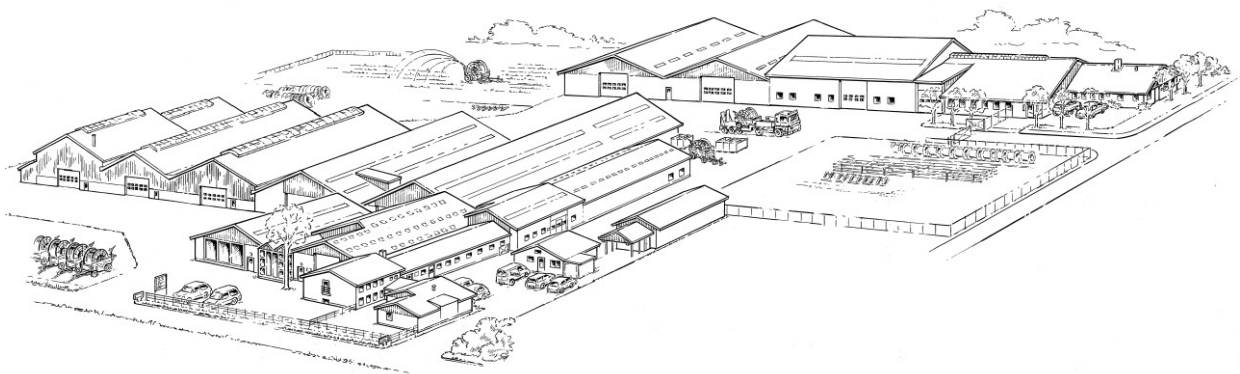
Pos. Nr. Best.Nr.

Bemærkninger



FM 5500H fra maskin nr. 7190 / FM 5500H from machine no. 7190
FM 5500H à compter de la Machine Nr. 7190

Pos. Nr.	Best.Nr.	Benævnelse	Description	Nomenclature	Bemærkninger
Pos. No.	Part No.				Remark
Pos. No.	Piece No.				Remarque
1	E1060	Elbremse m/træklods	Electric brake w/wood.	Électrique frein avec arbre	
2	1007175	Endeprop	Plug	Couvercle	
3	1007180	Motor	Engine	Moteur Electrique	12 v.
4	1007190	Tandhjul	Cogwheel - Small	Pignon	10 T.
5	763670	Bolt	Bolt	Boulon	M5 x 10 mm.
6	1008955	Relæ	Relay	Relais Elec.	
7	1008905	Motorhus	Enginehousing	Logement moteur	
8	763860	Låsemøtrik	Nut	Ecrou	M5
9	1008920	Aksel	Axle	Axe	
10	1008921	Bøsning	Bushing	Coussinet	ø16/24 x 15 mm.
11	1008945	Skærm	Shield	Carter	
12	872138	Bolt	Bolt	Boulon	ø4,2 x 9,5 mm
13	763865	Låsemøtrik	Nut	Ecrou	M12
14	1008960	Stik (hun)	Plug	Prise femelle	
15	763675	Bolt	Bolt	Boulon	M5 x 30
16	-	-			
17	763435	Bolt	Bolt	Boulon	M8 x 35 mm.
18	763680	Bolt	Bolt	Boulon	M8 x 16 indiv. 6-kant
19	1007195	Tandhjul	Cogwheel - Small	Crémaillère	1/3 del udb. ø16
20	763575	Bolt	Bolt	Boulon	M10 x 70 mm.
21	-	-			
22	763760	Pinolskrue	Allen Screw	Vis Allen	M6 x 10 mm.
23	1008925	Hulplade	Fittings	Capteur	
24	761119	Fjeder	Spring	Ressort	ø5,0 x 32 x 175 mm.
25	763700	Bolt	Bolt	Boulon	M12 x 45 mm.
26	1008915	Arm	Shaft	Patte de liaison	
27	763620	Bræddebolt	Carriage Bolt	Boulon	M8 x 40 mm.
28	763750	Låsemøtrik	Nut	Ecrou	M16
29	902119	Bremseko	Fittings	Support patin	
30	902120-1	Bremseklods	Brake Lining	Patin frein	
31	1008970	Håndtag m. kabel	Handle	Poigné	
32	1008965	Stik (han)	Plug	Prise tracteur (Mâle)	
33	-	Møtrik	Nut	Ecrou	M8
34	763863	Låsemøtrik	Nut	Ecrou	M8
35	733625	Bolt	Bolt	Boulon	M16 x 40 mm.
36	1008971	Håndtag m. kabel	Handle cpl.	Poigné cpl.	
37	1001255	Jordspyd	Earth Rod	Piquet d'ancrage	
38	1008966	Advarselstrekant	Warning Triangle	Triangle de signalisation	Med beslag
39	1007624	Beslag stopbøjle	Fittings	Capteur	
40	1007623-5	Rør slangestuds	Tube	Raccord	For Ø125 mm. Slange
41	1001339	Spændebånd	Hose Clip	Collier	Ø92-97 mm.
42	-	Låsemøtrik	Nut	Ecrou	M10
43	1007621	Stopring	Stopring	Bague d'arrêt	
44	1001340	Spændebånd	Hose Clip	Collier	Ø98-103 mm.
45	1001018	Rør	Tube	Raccord hydrant	3"
46	1007900	Slange	Hose	Souple	Ø90 x 3500 mm.
47	762089	Stop med aksel kpl.	Stop with axle	Arret avec arbre	For Ø125 mm. Slange
48	1007624-16	Løfteaksel	Lift axle	Levier arbre	Ø22 x 450 mm
49	763750	Låsemøtrik	Nut	Ecrou	M16
50	1007184	Klemring	Tightening Ring	Bague	U-7.0
51	761229	Bolt	Bolt	Boulon	M12 x 35 mm
52	1008942	Holder for bremse	Brake mounting	Support	
53	763520	Bolt	Bolt	Boulon	M8 x 16 mm
54	762031	Fjernbetj. El-bremse Kpl..	Remote Control electr.brake cpl.	Télécommande pour frein électrique cpl.	
55	762032	Håndsender El-bremse	Transmitter electr.brake.	Émetteur pour frein électrique	
56	762033	Modtager El-bremse	Receiver Remote control brake	Récepteur pour frein électrique .	



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