



# ***Titan 6***

## AIR COMPRESSOR INSTRUCTION MANUAL



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# TITAN 6 AIR COMPRESSOR

## INSTRUCTIONS AND GUARANTEE

### FOREWORD

This manual has been prepared to facilitate the use and servicing of your compressor. If followed carefully, these instructions will ensure efficient operation and low maintenance costs. Sections marked by the word **IMPORTANT** contain special directions which, if not properly carried out, can cause damage to persons and property. Only the use of original spare parts will ensure the efficiency and working life of your compressor.

### UNPACKING

The packaging may include metal staples, always wear safety gloves and use pliers when removing them.

- Make sure compressor is in perfect condition and that the following items are present: user and maintenance manual, wheels and/or vibration dampers, air intake filter.
- If necessary, fit the wheels and/or vibration dampers (Fig 1).

### INSTALLATION

Install compressor only in well-ventilated rooms as free as possible of dust and excess moisture. Always position the compressor at least 50cm from any obstacles that could obstruct the passage of air and hence affect the cooling system.

### ELECTRIC POWER

Compressor should be located AS CLOSE AS POSSIBLE to 240 volt 50 cycle mains power – extension power cords should be capable of carrying 15 AMP and should not exceed 4 metres in length.

### INITIAL START UP – (Fig 2)

- Insert the mains plug and switch on using the switch **A**.
- The first time the compressor is switched on, leave it to run for about ten minutes with the air output valves (**B**) open. Open the condensation valve **E** completely. Close the valve and check that the compressor pressurises the air tank, stopping when it reaches 116 PSI (as indicated by the tank pressure gauge **D**).
- The compressor operates in automatic mode, stopping when the pressure reaches 116PSI and restarting when the pressure falls to the calibrated minimum value.

**IMPORTANT** When the compressor is operating correctly it releases a puff of compressed air each time it is switched off and a prolonged puff of air each time it is switched on.

**IMPORTANT:** Never use the wall switch to stop the compressor. To start or stop compressor always use the pressure switch on/off control (Fig 2). This allows the air in the head to be released and facilitates subsequent restarting.

**IMPORTANT:** Pressure cannot be regulated by the pressure switch

### REGULATING WORKING PRESSURE

You can regulate the output pressure which is indicated by the gauge **F**, by adjusting the regulator **C**. When using pneumatic tools always check the optimum working pressure of the tool.

**IMPORTANT:** If pressure is kept at maximum setting for a prolonged period of time, it can cause the regulator's diaphragm to become worn. After use, reset regulator at zero by turning knob **C**.

### CHANGING THE TOOL (Fig 3)

Tools are connected via the quick release coupler. Whenever it is necessary to connect a tool or change one when the air tank is pressurised.

- Release the quick release coupler fitting by pushing the flange inwards, the air flow is interrupted immediately.

### OVERLOAD CUTOUT – (Fig 4)

Compressor is fitted with a motor-protector, which automatically interrupts the electrical power supply if an overload occurs. In this case, disconnect the power supply and wait a few minutes before resetting the motor-protector manually (fig 4), then restart the compressor. If the motor-protector trips again, disconnect the power supply and contact a SIFCO service centre.

# TITAN 6

FIG 1

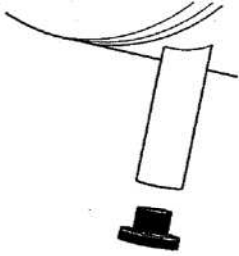


FIG 2

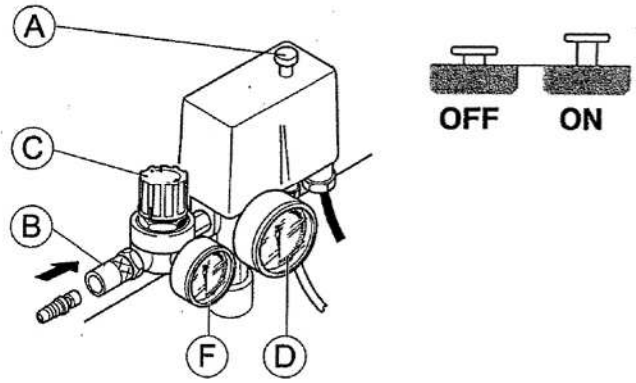


FIG 3

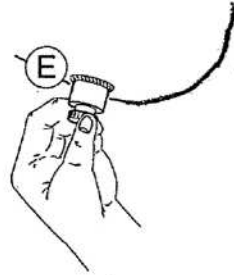
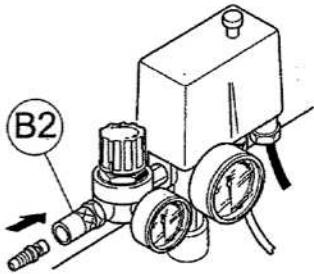


FIG 4

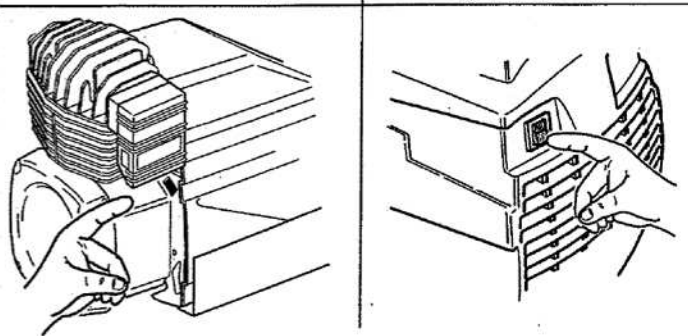
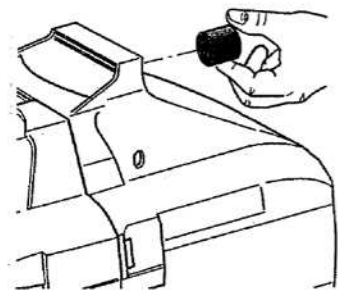


FIG 5





**PERIODIC SERVICING:** Turn the compressor off and let all the air out of the tank before carrying out any maintenance work.

**Weekly:**

- Drain condensation by opening the valve **E**, positioning the tank so that the valve opening points downwards, close the valve as soon as it begins to vent air only.

**Monthly (or more frequently if used in a dusty environment)**

- Remove intake filter F and clean (fig 5). Change filter element yearly.
- Wash with detergent, rinse and dry thoroughly.

**IMPORTANT** – Do not operate the compressor without the intake filter.

**TROUBLE SHOOTING**

**The tank pressure decreases**

- (a) Check that all the connectors are closed correctly. If the problem persists contact a SIFCO Service Centre.

**Air Leaks from the pressure switch when the compressor is not running.**

- (a) Clean the valve seal seat thoroughly
- (b) Substitute the sealing element if necessary

**Air Leak from the pressure switch when the compressor has been running for more than 1 minute**

- (a) Idle start valve faulty.
- (b) Switch off power and call SIFCO Service Centre.

**Compressor stops and does not start again:**

- (a) Disconnect the power supply, wait a few minutes and then press the motor-protection button.
- (b) If the motor-protector trips again when the compressor is restarted switch off power and call SIFCO Service Centre.

**Compressor does not stop when it reaches 116PSI causing the safety valve to open.**

- (a) The pressure switch may be faulty.
- (b) Switch off power and call SIFCO Service Centre.

**The compressor fails to pressurise the tank and overheats.**

- (a) Blown head gasket or faulty valve.
- (b) Switch off power immediately and call SIFCO Service Centre.

**Compressor is very noisy with rhythmic, metallic hitting**

- (c) The bushing or ferrule may have become seized.
- (d) Switch off power immediately and call SIFCO Service Centre.

**IMPORTANT:**

- Never unscrew any connection when tank is pressurised. Always make sure it is empty.
- Never remove pressure switch cover with power on
- If compressor is off but power on, it can start again suddenly. Before doing anything, make sure that power is off and all the air released from tank
- Turn power off every evening so that compressor does not start running overnight – at pressure switch and at wall

**GUARANTEE**

SIFCO will, free of charge, repair or, at its option, replace any part thereof which proves to be commercially defective as to materials or workmanship, provided that compressor is returned freight paid to a SIFCO Service Centre within 90 days of the date of delivery

This guarantee is annulled if the buyer does not observe the terms and conditions of the contract, if the machine has not been installed properly or is submitted to an abnormal workload, more than 8 hours a day

The buyer is also liable for all expenses if a Serviceman is asked to look at unit and can find no fault in the manufacture of the compressor

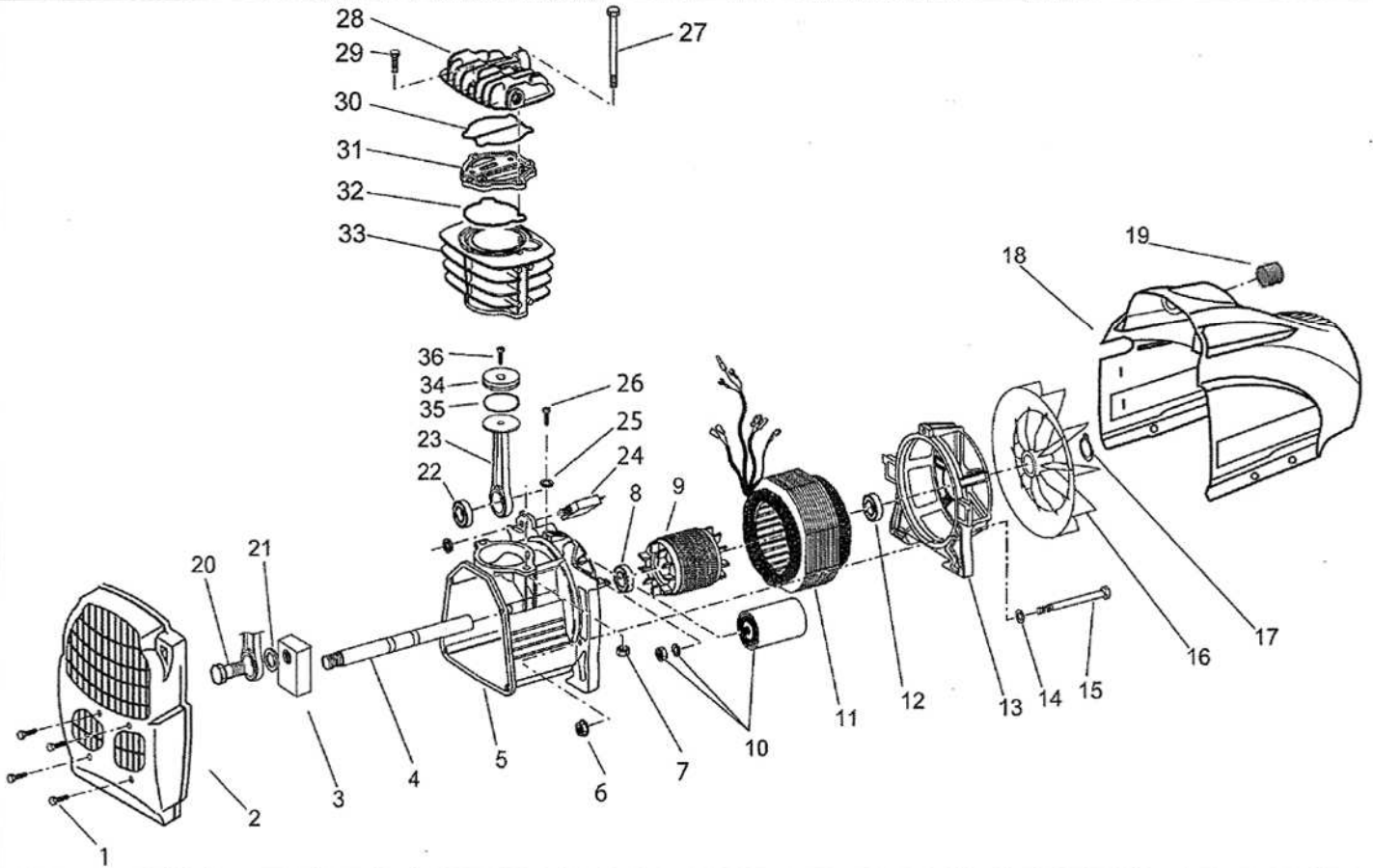
The guarantee is also voided by tampering, misuse or operation above the maximum pressure

If these provisions are not observed, SIFCO declines all responsibility

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April 2012

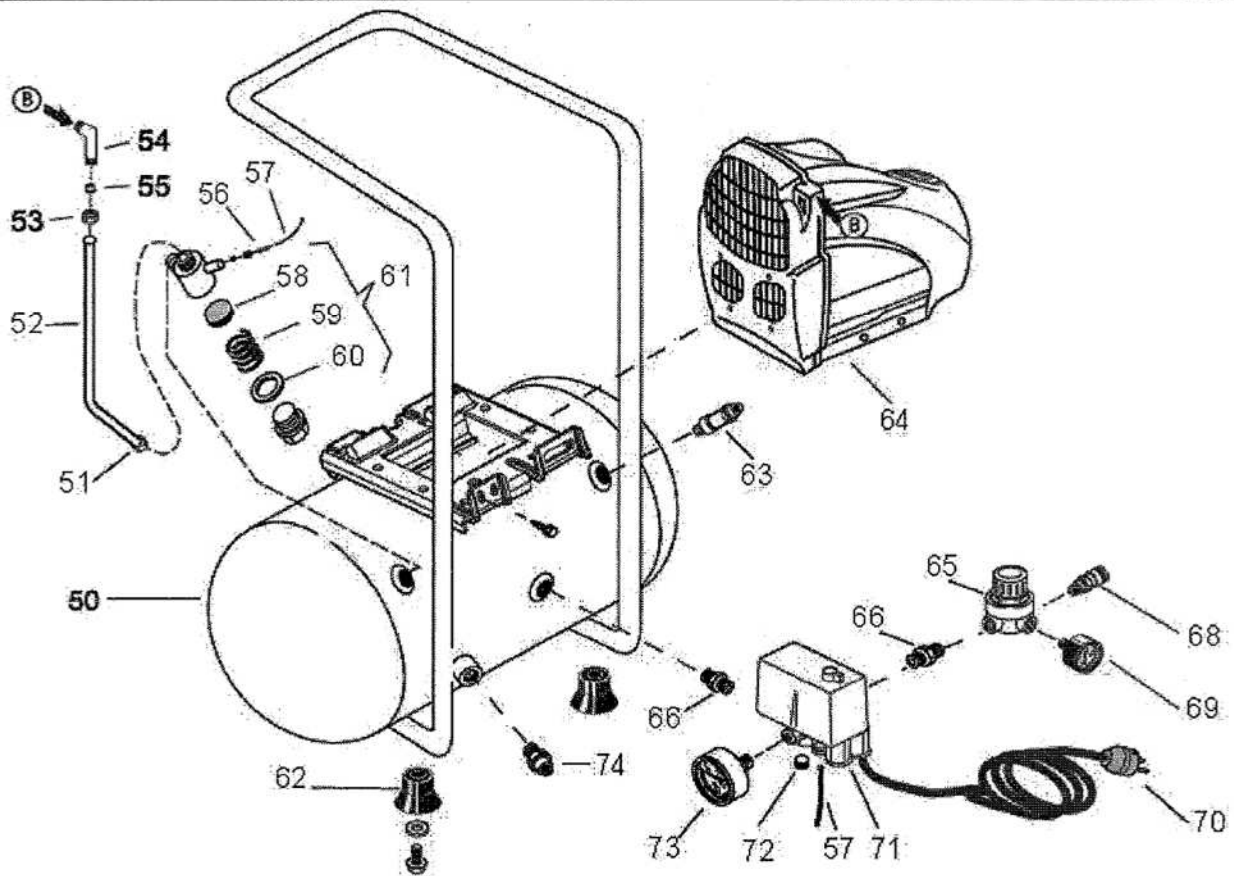
Type: **Coaxial**Model: **OL1850 230V/50Hz**Code: **516ZQ01604**Date: **NOV 2009**Version: **06**

Ref.	Q.ty	Code	*	Denomination
1	4	014006024		SCREW
2	1	116ZQ0002	1	FRONT SHROUD
3	1	116ZQ0005		CRANKSHAFT LINKER
4	1	116ZQ0004		CRANKSHAFT
5	1	116120006		CRANKCASE
6	3	161190010		NUT
7	2	014003018		NUT
8	1	033143000		BEARING
9	1	134139000		ROTOR
10	1	009200004	2	CAPACITOR
11	1	155412506	1	STATOR
12	1	033118000		BEARING
13	1	116120007		REAR COVER
14	3	014008020		LOCKWASHER
15	3	014002122		SCREW
16	1	116120008	2	FAN
17	1	015083000		CIRCLIP
18	1	116ZQ0001	1	BACK SHROUD
19	1	116120017	10	FILTERING ELEMENT
20	1	116HP0005		SCREW
21	1	130203225		WASHER
22	1	033055000	2	BEARING
23	1	161565002	2	CONROD
24	1	008277000		OVERLOAD CUTOUT
25	1	014008006		LOCKWASHER

\* Suggested parts in percentage



Ref.	Q.ty	Code	*	Denomination
26	1	014013001		TAPPING SCREW
27	2	014001076		SCREW
28	1	116120015		HEAD
29	2	014013031		SCREW
30	1	116120014	2	HEAD GASKET
31	1	116120100		VALVE PLATE
32	1	116120013		CYLINDER GASKET
33	1	116ZQ0003	2	CYLINDER
34	1	161565003	2	PISTON END
35	1	161655570	2	PISTON RING
36	1	130203128	2	SCREW

Type: **Coaxial**Model: **TITAN 6**Code: **626HOK460401**Date: **APR 2011**Version: **00**

Ref.	Q.ty	Code	*	Denomination
50	1	126HQ0010V01		TANK
51	1	199437000		LOCKNUT
52	1	188HQ0012	2	DELIVERY PIPE
53	1	011117002		LOCKNUT
54	1	011117001		LJOINT
55	1	011117000		COMPRESSION RING
56	1	011304000		COMPASS
57	1	046001000	2	RILSAN TUBE
58	1	047113001	8	SEAL
59	1	047113002		TAPERED SPRING
60	1	010041000		O-RING
61	1	347043000	1	CHECK VALVE
62	4	199968000	8	CUSHION
63	1	047209000		SAFETY VALVE
64	1	516ZQ01604		PUMP
65	1	R162	1	REGULATOR
66	2	10483	1	DOUBLE MALE NIPPLE
68	1	94210		QUICK COUPLER
69	1	1681		SMALL GAUGE
70	1	184A04600		POWER CABLE
71	1	321028000	1	PRESSURE SWITCH (SUB WITH 321028000)
72	1	011018000		PLUG
73	1	1481		BIG GAUGE
74	1	022029000	2	DRAIN VALVE

\* Suggested parts in percentage