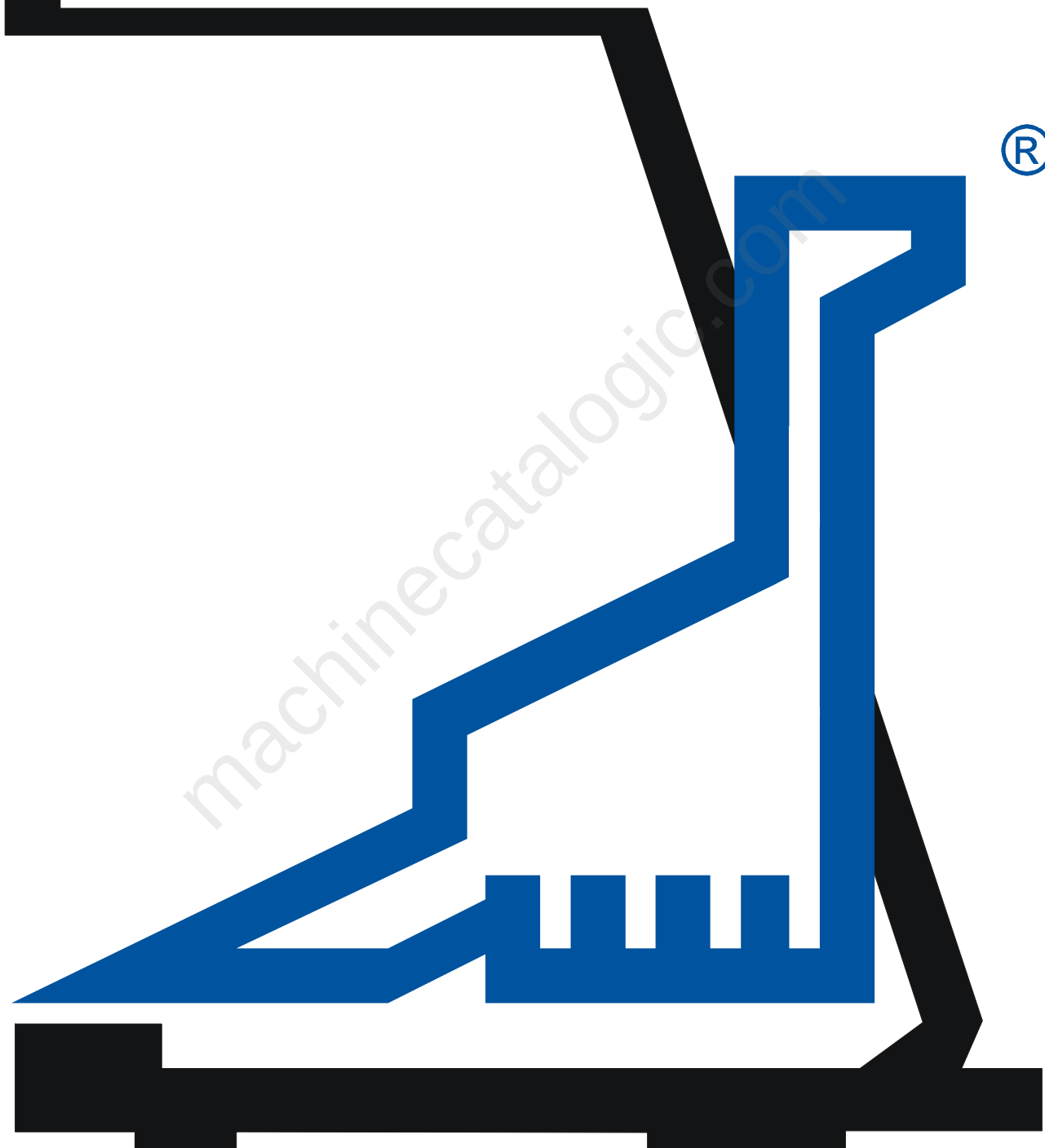


BRONTO SKYLIFT® S 70 XDT



INSTRUCTION FOR AUTOMATIC LEVELLING SYSTEM FOR OUTRIGGERS

Before beginning to use the system, please read carefully the following instructions, notes and warnings and be sure you understand the meaning.

In this document the automatic levelling system for outriggers is called Bronto Autojacking.

GENERAL NOTES AND WARNINGS

- Positioning the vehicle on a slope: the cab must always be downwards and working object rear (or side) approx. 7-15 meters away from the unit. Make sure that there are no obstacles above the booms.
- Before using Bronto Autojacking be sure there is enough room to extend all outriggers and the ground is hard enough to withstand outrigger footplate pressure.
- When using the automatic levelling be sure that there are no people around the working area of the outriggers.
- When using the automatic levelling, pay attention to what is happening around the unit and stop the process immediately if it seems to lead into a dangerous situation.
- The vertical cylinders of the outriggers are moving automatically without warning when the automatic levelling is in use. It is very dangerous to be near the outriggers!
- **IN EMERGENCY SITUATIONS YOU CAN STOP THE AUTOMATIC LEVELLING SYSTEM AND THE ENGINE OF THE CHASSIS BY PUSHING THE EMERGENCY STOP PUSH BUTTON OF THE CENTRAL UNIT.**
- **Accident damage to bodywork:** The sensors for the automatic levelling are located at the outrigger control center. If the vehicle is in an accident that may damage the rear panel area, it is important that the sensors are checked / recalibrated. It is extremely important when the unit is to be left "on the run" until it can have the bodywork repaired. The sensors will be routinely checked during the annual service.

AIR SUSPENDED TRUCKS

- The ignition current of the truck must be turned on under all circumstances, even when operating with auxiliary engine or electric motor.

- **1b = the valve facing you.**
 - Pushing this valve will **raise** the front of the working cage.
- **1 a = the valve at the opposite end, situated on the opposite side of the cage.**
 - Pushing this valve will **lower** the front of the working cage.
- **Push the middle of the valve coil with the tool (1 c), attached beside the valve.**
- 3. Control valve for **cage slewing** (Y32).
 - **Pushing** the valve will turn the cage **counterclockwise**.
 - **Pulling** the valve will turn the cage **clockwise**.
- 4. Working **cage extension** (Y326). (Optional)
 - **Pushing** the valve will **extend** the cage.
 - **Pulling** the valve will **narrow** the cage.

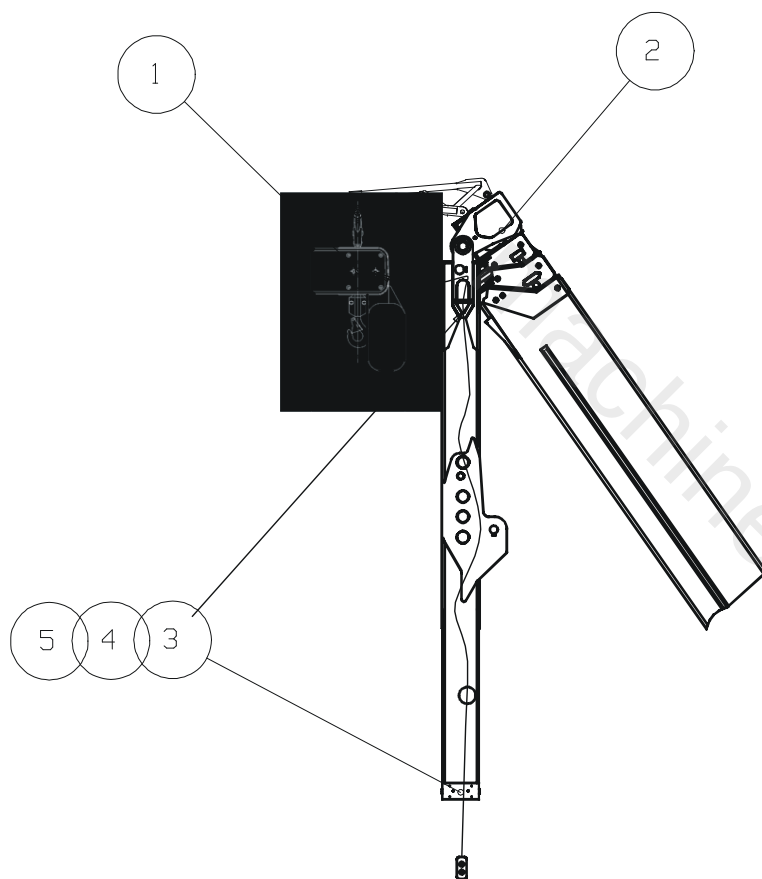
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	G0087310		VARAKÄYTTÖ	NOTBETRIEB	RESERVDRIFT	EMERGENCY DRIVE	
Viite Pos. Det. Ref.	Osa n:o Teil Nr. Del nr Part No.	Kpl St. Antal Qty	Nimitys	Benennung	Benämning	Description	Huom. Anmerku ng Anmärkn. Notes
1	00012429	1	Pumppu	Pumpe	Pump	Pump	
2	G0087340	1	Hydraulilohko	Hydraulteil	Hydrauldel	Hydraulic part	
3	81044520	1	Solenoidiventtiili	Solenoidventil	Solenoidventil	Solenoid valve	
4	00012159	1	Paineenrajoitusventtiili	Druckverminderung ventil	Trycknedringsventil	Pressure release valve	
5	81085160	1	Vastaventtiili	Rückschlagklappen- ventil	Kontrastventil	One way valve	
6	00010076	2	O-rengas	O-Ring	O-ring	O-ring	
7	00002230	4	Ruuvi	Schraube	Skruv	Screw	
8	G0087560	1	Hydraulilohko	Hydraulteil	Hydrauldel	Hydraulic part	
9	81046230	1	Kuulahana	Ballventil	Kulventil	Ball valve	
10	00000966	1	Letku	Schlauch	Slang	Hose	L=X
11	00006686	1	Letku	Schlauch	Slang	Hose	L=X

	B047816B		KORIVARREN TELESKOOPPI- SYLINTERI	KORBARM TELESKOP- ZYLINDER	KORGARMENS TELESKOP- CYLINDER	CAGE BOOM TELESCOPE CYLINDER	
Viite Pos. Det. Ref.	Osa n:o Teil Nr. Del nr Part No.	Kpl St. Antal Qty	Nimitys	Benennung	Benämning	Description	Huom. Anmerkung Anmärkn. Notes
140	00009617	2	Ohjainrengas	Führungsring	Styrring	Control ring	

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G004807B	KETJUNOSTIN	KETTEHEBER	KEDJALYFTARE	CHAIN LIFTER
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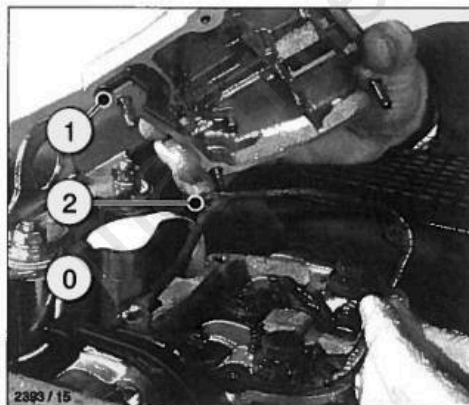
- Check condition of O-ring „1“ and renew it if necessary (Fig. 36).
- Wet the thread and the O-ring of the screw plug with lubricant „K“ (see spare parts list).
- Add engine oil up to the „MAX“ mark on the dipstick (see Chapter 4.1.1.)
- Run the engine for a short period, then check the oil level again and top up if necessary.
- Check that there is no leakage past screw plug on the oil filter housing.

5.3.3. Checking and adjusting valve clearances

- Move the decompression lever to position „0“; Fig. 16 and 17.

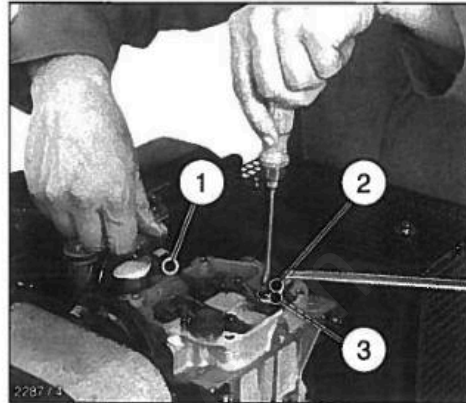
1D41 C, 1D81 C and 1D90 C engines

Take off the enclosure cover (see Chap. 2).
On engines with manual starting only, the decompression lever is also taken off when the cover is removed.



38

- Unscrew cover „1“ and take off together with gasket „2“. Never re-use this gasket.
- Turn the engine over in the normal direction of rotation until compression is felt.



39

- Check valve clearances between rocker and valve stem, using feeler gauge „1“; Fig. 39 (see Chapter 3.1.).
- If valve clearance is incorrect, slacken off hex. nut „2“.
- Turn adjusting screw „3“ with a screwdriver until feeler gauge „1“ can just be pulled through between the rocker and the valve stem with slight resistance to its movement after nut „2“ has been retightened.
- Attach the cover at the cylinder head again and tighten down uniformly.
- Depending on version mount parts of air duct.
- Run the engine briefly and check that the cover is not leaking.

Full Version Available

Bronto S 70 XDT Aerial Work Platform Parts Manual

Bronto S 70 XDT aerial work platform parts manual, PDF with parts lists, exploded views and assemblies. Instant PDF download.

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