



IMPORTANT INSTRUCTIONS

FOR SAFE USE

OF

GP600 CONVEYORS

This information should be passed to the user of the equipment!

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GP600 OPERATING INSTRUCTIONS

Daily conveyor safety checks and inspection/cleaning before operating conveyor

Isolate and lock-off supply before inspection.

- If you cannot lock off the power supply, unplug the conveyor from the starter.
- Visually inspect all external electrical connections.
- Check for materials jammed between belt and the conveyor structure.
- Check for stringy material wrapped around any of the rollers.
- Ensure area under and adjacent to the loading/drive section is clear of debris.
- Check external belt scraper for tension (if fitted).
- Inspect belt & clip joints for damage and wear, also check the tension of the belt, if you find any damage to the belt or joints inform our service department immediately so it can be dealt with ASAP to avoid unnecessary & expensive damage.
- If the conveyor is scaffolded into position, check the tightness of all scaffold clips. Rake out any rubble or build up of material from the slots in the side channels under the loading/impact area under the feed boot.
- Inspect the condition of the feed boot rubber skirts.
- Check E-stops are operating
- Check head guard is fitted
- Check all safety fencing is in place. (if applicable) Conveyor must be fenced off for its entire length or access to ramp/gantry closed, during operation.
- Visually check on all nuts & bolts on rollers and on the feed boot

Any defects should be reported immediately to our service department

Start up procedure

- Switch on electrical supply (Either by switching on isolator switch or by plugging in the power lead).
- Give audible warning and check the discharge area of the conveyor before turning on the conveyor.
- Press the green start button.
- Observe the operation and tracking of the belt.
(To adjust see Fig 1 on page 10 for instructions)
- Load conveyor steadily and commence operations.

REMEMBER, YOU ARE FEEDING A MOVING BELT, SO FEED ACCORDINGLY AND THE CONVEYOR WILL WORK VERY WELL. OVERLOAD AND YOU WILL CAUSE BREAKDOWNS WHICH IN TURN WILL COST YOU MONEY.

Loading

- Conveyor only to be loaded at the feed boot or at designated loading points
- Loading only to commence once the conveyor has been started
- Feed boots to be fed evenly and steadily.
Overloading will inevitably cause jamming and breakdowns, Therefore downtime on site.
- When loading steeper conveyors some rollback will incur. Care must be taken to ensure injury cannot be caused to the operator/loader by large lumps coming off the end of the conveyor.

Shut down procedure

- Ensure belt is emptied, except in emergency stop conditions.
- Press the stop button
- Then switch off the power at the control isolator switch on contractors power supply.

Maintenance

Keep the conveyor clean, particularly under and around the loading/drive section.

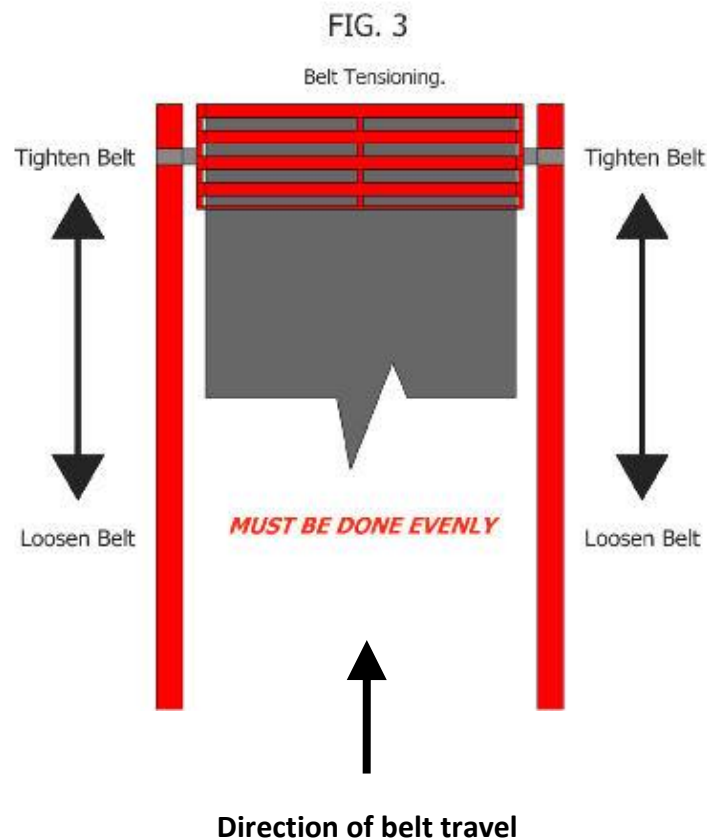
Belt

- Check belt tension and adjust if necessary by evenly tightening adjusting nuts situated either side of the conveyor head drum. (See Fig 3 - Below)
- The correct tension is the minimum required to maintain drive to the belt.

OVER TENSIONING WILL CAUSE BREAKDOWNS THEREFORE DOWNTIME!

Gearbox

- Lubricated for life; check oil seals on output shaft for leaks.
- If the gearbox starts leaking please contact our service department immediately.



Trouble shooting

Belt tracking over to one side at the discharge/head section

Stop the conveyor and **Isolate power supply**. Check that nothing has jammed between the belt and the side frame along the conveyors length and the conveyor is clear of obstacles, (particularly if scaffolded in position). If anything is jammed remove and re-start conveyor. Check tracking, if necessary apply additional tension to the adjuster on side to which the belt has tracked to, run the belt and let it settle to check results. (See Fig. 1 on page 10)

Belt tracks over at loading/drive drum

Isolate power supply. The feed boot can be removed to facilitate inspection. Check that nothing has jammed between the belt and the side frame or around the loading/drive drum.

When cleared, replace the feed boot, start the conveyor belt and adjust the return idlers at their slotted end by moving it towards the side to which the belt has tracked. (See Fig. 2 on page 10)

Loading/drive operating but the belt is stationary

Isolate power supply. Check moving parts are free from obstruction. Tension the belt by adjusting the tension bolts evenly on the head section.

(See Fig 3 on Page 6)

Restore the power and institute the start up, check belt tracking.

Motor cuts out

Isolate power supply. Check that nothing has jammed any moving parts, particularly behind loading/drive guard. Contact our service department immediately.

UNDER NO CURCUMSTANCES SHOULD YOU REPEATEDLY TRY TO START THE CONVEYOR, AS THIS WILL CAUSE SERIOUS MOTOR DAMAGE!

Motor gearbox pivots on the shaft

Isolate power supply. Check the torque arm between the gearbox and conveyor side frame. If broken contact our service department for assistance.

**UNDER NO CIRCUMSTANCES ATTEMPT TO REPAIR THE TORQUE ARM
OR RUN THE CONVEYOR.**

Starter does not work

Isolate power supply. Check that the main fuse has not tripped, check the power lead to ensure that no damage has occurred, unplug the lead from the power socket, a competent electrician could check for loose or disconnected wires within the plugs and sockets. If after this has been done and you have reconnected the power it still fails to work, contact our service department for assistance.

Starter clicks but motor does not work

Isolate power supply. Check the plug from starter to motor for any loose wires, check the wire for any damage. If damage has occurred or there is no apparent damage, contact our service department for assistance.

Material jammed in conveyor under the feed boot

Isolate power supply to the conveyor. If the item cannot be removed easily contact our service department for assistance.

Noise

If the conveyor starts to make any form of noise other than the normal operational noise, **stop and isolate** the conveyor and check for something jamming the conveyor. If you find anything, remove it, if the noise persists, contact our service department for assistance.

FIG. 1

Belt Tracking to one side at the discharge point.

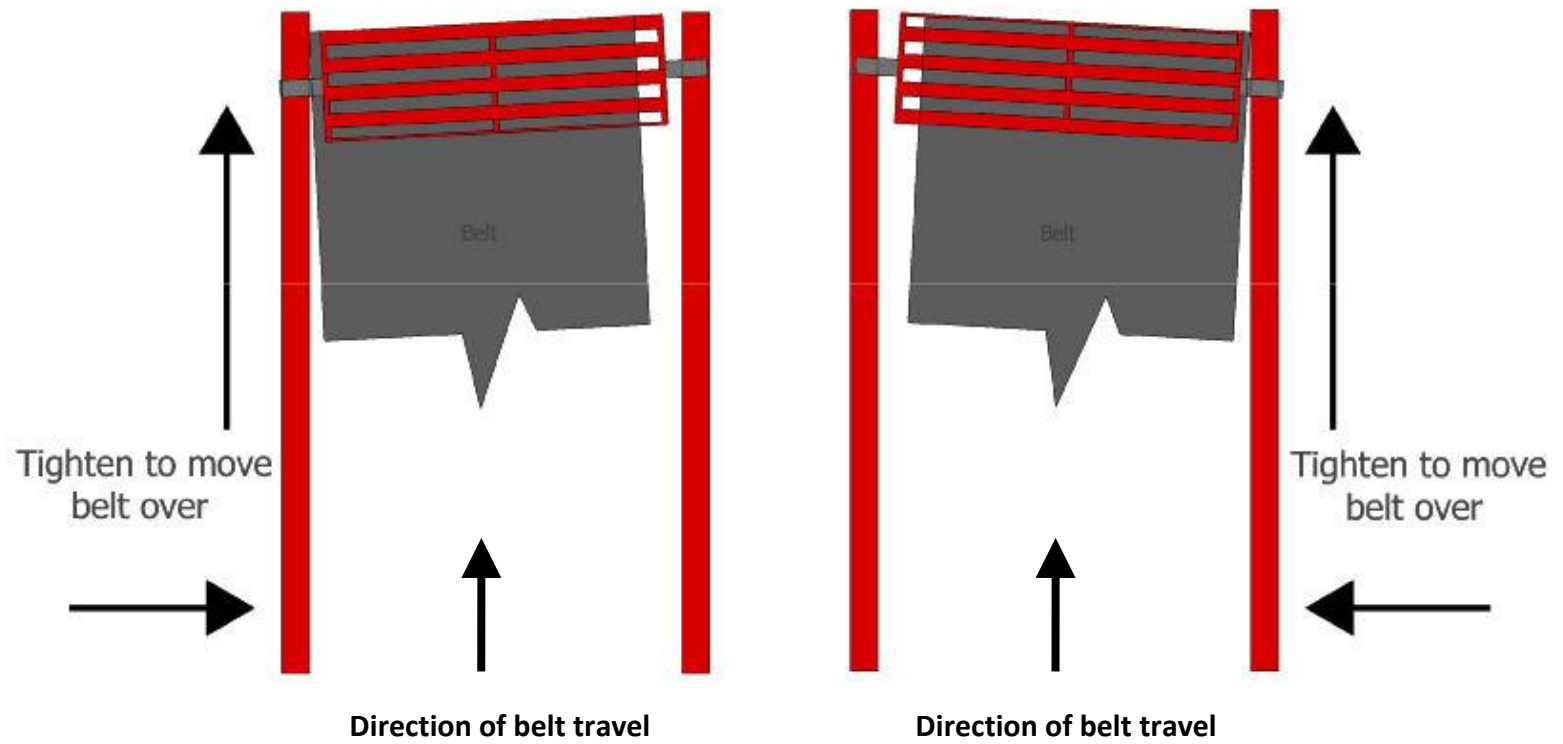
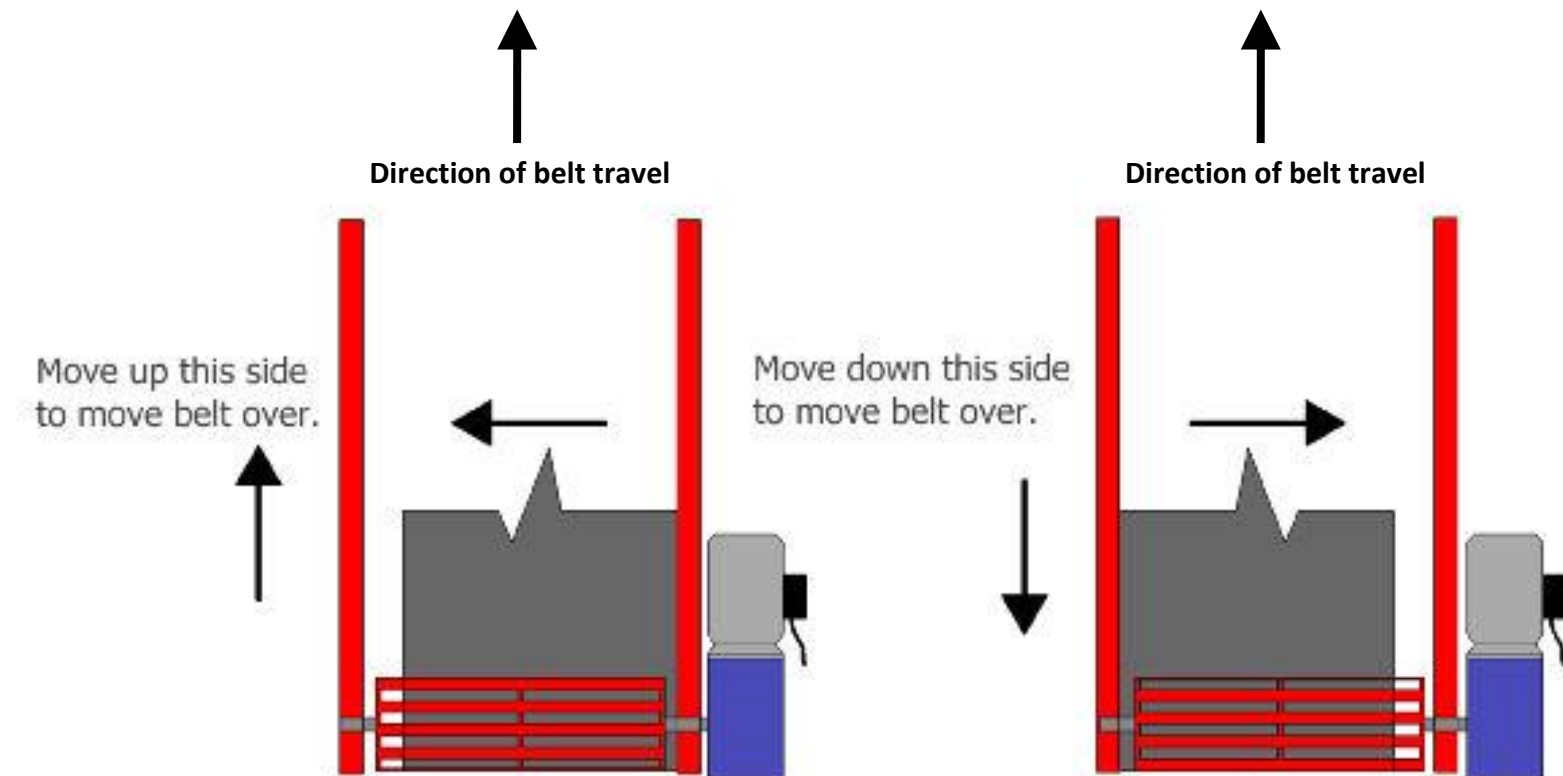


FIG. 2

Belt Tracking to one side at the loading point.



Weekly service checks

- 1) Feed boot bolts – physically check tightness.
- 2) Head guard bolts – physically check tightness.
- 3) Return roller bolts – physically check tightness.
- 4) Electric leads – physically check for damage to cable.
- 5) Electric plugs & sockets – physically check cable entry and for any damage.
- 6) Motor – check for and damage to casing & cables etc...
- 7) Gearbox – check for any damage or leaking oil.
- 8) Run conveyor and check rollers are turning.
- 9) Plus all daily checks.

Week	Date	Name	Checked item (✓/✗)									Defect reported (✓/✗)
			1	2	3	4	5	6	7	8	9	
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