



FITTING INSTRUCTIONS FOR PART No. BEL-27357

The above part can be used in place of all previous Vari speed belts (BEL-25357 and BEL-26361), but depending on the year of the machine some parts may have to be changed or removed. (SEE DRAWING BELOW)

This belt must only be used with the Flat idler and not the Vee idler.

If the front pulleys have bolt in spacers between the sheaves these will need removing.

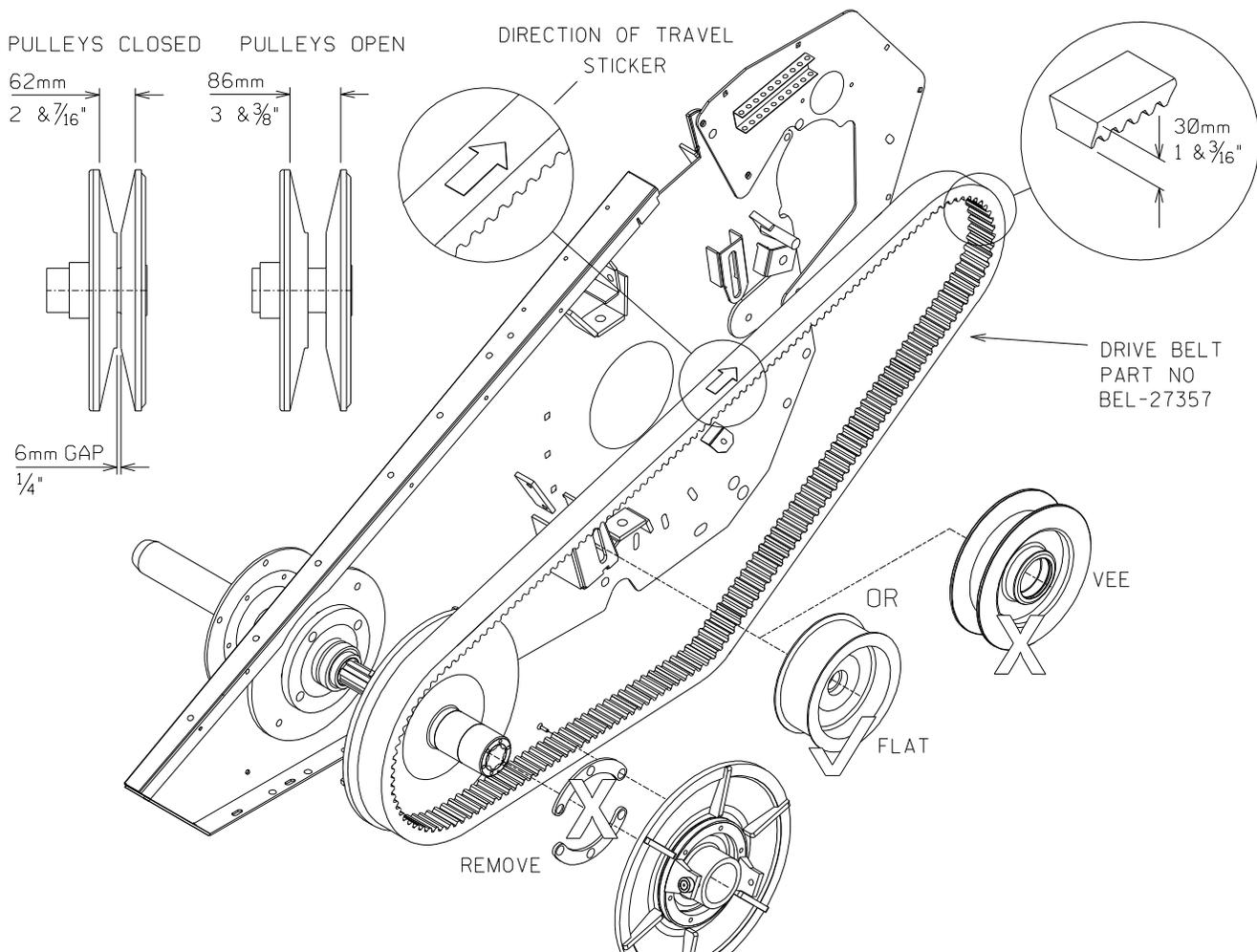
Note BEL-27357 is the only belt with an increased depth of 30mm (1 & 3/16") all the others are less.

It may also be possible to up grade the rotor pulley compression spring to one that has a higher force which is more suitable for this deeper section belt.

Depending upon the drive set up the latest springs are now colour coded, "White" (part no. SPGC00042) for non rotor gearbox headers and "Yellow" (part no. SPGC00038) if it has a rotor gearbox.

The Yellow spring is easily swapped for the original but the White needs a different cam carriage kit (part no. KIT-01374).

Other drive enhancements available are pulley spacer (part no. KIT-01349) and a heavy duty tie rod (part no's. 197530 01 & 197529 01) These parts are available in a kit KIT-01353 which also includes a belt.



IMPORTANT ! - When fitting new belt check that the front and rear pulley sheaves hubs and bores are not worn or wallowed out, as this will reduce belt life.

Ensure the pulleys are free to slide and not seized. It may also be necessary to fit new o-rings to the front and rear pulleys, Front ORA300750 x 2 Rear ORA390075 x 1

It is very important to grease the Pulleys at 10 hour intervals.

Grease the front and rear pulleys then run the stripping rotor up to its maximum and then down to its minimum speed and then set machine back to the required operating speed, after that re grease pulleys again.

Installation Procedure of belt –

ALSO REFER TO OPERATORS MANUAL SECTION 7.7 / 7.8.

1. Remove all L.H. side guards.
2. (a) If header is on combine and can still run, run the header at idle and operate the speed adjuster to maximum so that the top pulleys are fully closed (i.e. maximum rotor speed).
Stop the machine.
Between the two flat surfaces on the inside of the rotor pulley sheaves place a small wedge, steel or a wooden block 25 -30mm (1 1/8") thick.
Slacken the idler pulley and remove from its mounting bracket.
Turn on the power to the speed adjuster switch (**Do not run the header!**) and fully open the top pulley sheaves i.e. set to minimum rotor speed. The belt will now be slack.
Or (b) If the existing belt has broken or header cannot run, then operate the speed adjuster switch to minimum speed so top pulleys are fully open.
Using a pry bar, force open the rotor pulleys and "carefully" wedge apart using a small wedge, small enough so it doesn't touch belt profile when rolling belt off and on. The more open the pulleys are wedged the easier it will be, approx. 20mm (3/4") will be OK.
Slacken the idler pulley and remove from its mounting bracket, the belt will now be slack.
3. Remove the belt from the front rotor pulleys, prying the belt over the outer pulley edge and rotating the rotor if necessary and then from the rear pulleys.
4. Fit the new drive belt to the rear pulleys first, ensure it is fitted with the direction of travel sticker pointing the correct way, **SEE PREVIOUS DRAWING**, and then roll on and in to the front rotor pulleys.
5. Re fit idler pulley and set at the top of its adjustment range.
6. **Carefully remove the wedge / block in the front rotor pulleys.**
7. Replace all guards. **IMPORTANT** -on pre 2007 headers a section of the strengthening rib inside the LH guard needs removing to stop it catching on the cogged back of the belt.
8. To set the idler in the correct position, the header needs to be able to run. The idler position ensures correct minimum and maximum speed range by ensuring when the rear pulleys are fully closed the rotor pulleys are fully open.
When the pulleys are fully open the dimension from inside corner to inside corner of pulley sheaves is **86mm (3 3/8")** and when fully closed is **62mm (2 7/16")** Note when set in closed position there is a **6mm (1/4")** gap on faces **SEE PREVIOUS DRAWING.**
9. Run the machine at idle ensure the rotor speed is running at its slowest speed, the rear pulley sheaves are fully open.
10. Stop the header and measure the front rotor pulleys inside corner to corner dimension to see if the front rotor pulleys are closed. If the dimension is less, then the idler needs adjusting down the slot. After adjusting always run up the header again and re check.
NOTE – IF THE DIMENSION IS SLIGHTLY MORE THEN LEAVE AS IS.
11. Check that the belt clears the LH guards, lower front edge that laps into the fixed front