

Alpine Elevator ST5000E Model 3561

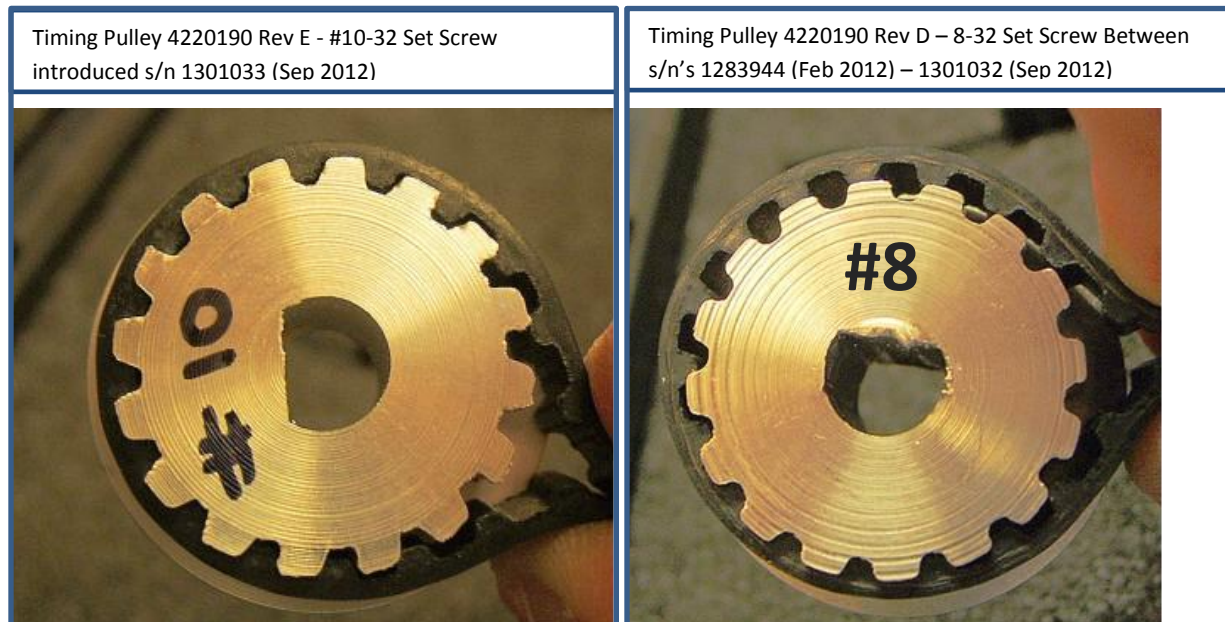
Mismatch of Tooth Profiles between Timing Belt & Pulley

Symptom of problem:

Elevator bucket is leveled and 20-30 vends later the bucket has skewed/gone off the level again to the point that the top limit switch is no longer actuated and the elevator stops at the top and remains there. The same can happen in the other direction, it will probably continue to operate but look very strange.

Cause of Problem:

Whilst the pulley & belt mating parts are classified the same e.g. the correct pitch between teeth, the trapezoidal tooth profiles do not match, this can result in the belt ratcheting on the pulley, which can & does cause the two belts to go out of sync with each other if the belt tension is not equal:



Recommended Action:

If receiving field report from machines that fall between serial numbers 1283944 - 1301032 that the elevator bucket is repeatedly skewed/gone off the horizontal then both the 4220190 Timing Pulley's should be replaced.