

Procedure to: Minimize UP Re-Leveling condition on 4M2HX

Overview: The elevator should not re-level when a person steps into the cab.

1. Adjust valve to achieve your preferred ride quality
(i.e. UP / DN acceleration, deceleration, leveling speeds and DN full speed)
2. Place Selector magnets in their approximate vertical location(s) on the selector tape.
3. Run car in normal mode in both directions
 - a. Verify that car does not overshoot the floor. If this occurs further valve adjustment(s) is necessary
4. Move selector magnets to their final vertical position.
 - a. Scribe a line on the selector tape at the bottom of the Zone magnet (11") at all floors.
 - b. Verify that car stops at floor level at all floors in both directions.

Note: At this point there is virtually no "dead zone". The slightest rope stretch due to loading or cooling of the oil will induce a re-level condition.
5. Cut $\frac{3}{4}$ " off of the TOP of the Zone magnet (11") at every floor.

Note: The car will now stop below the floor when running UP.
6. Using the P-Tool, go to programming parameter "UP STOP DELAY"
 - a. Set this parameter to 10
 - b. Cause a re-level by opening manual lowering on valve
 - c. After relevel is complete, Increment this parameter by 10
 - d. Repeat steps "b" & "c" until selector input "DL" comes on and the car levels back down to the floor, then proceed to step 6.e.
 - e. Decrease this parameter by 5.
 - f. Cause a re-level by opening manual lowering on valve, "DL" should not activate.
 - i. If DL still activates, decrease this parameter by 5.

Trimming Position Magnets:

If the installation incorporates door locks without a fixed cam, trim 2" from the top and bottom of each position magnet.