

# INSTRUCTIONS

## DECO COIL SPRING RATER

300-1000  
300-2000  
300-3000  
300-5000

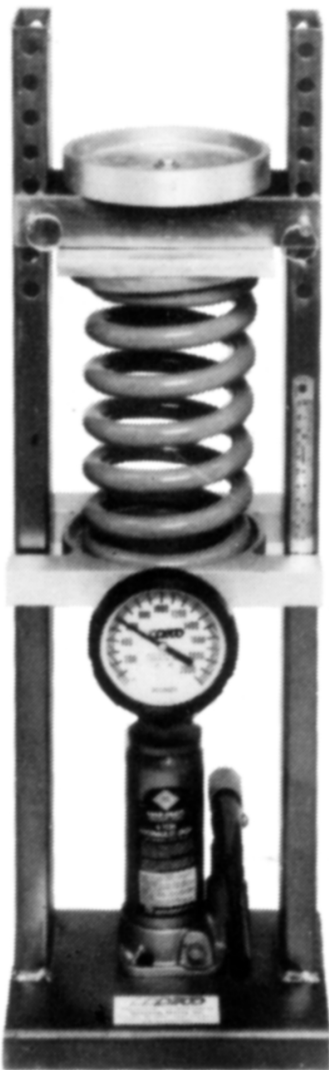
### IMPORTANT!!

#### Always....

- Use a sturdy table or bench
- Wear safety goggles
- Recheck spring rate frequently
- Take weight off springs when car isn't in use
- Let car's weight set on springs for 2-24 hours before setting chassis for racing.

#### Never...

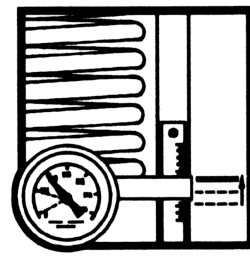
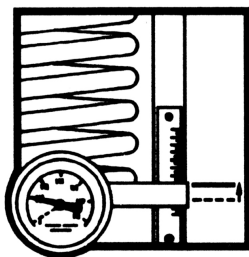
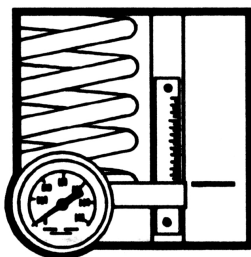
- "Peg" the gauge — overloading decreases accuracy
- Use as a bearing press
- Test a cracked spring — check each spring before testing



1. Select the proper plates for the top and bottom of the spring to be checked.
2. Place spring into spring rate, flat end down. If spring doesn't have a flat end, then it must fit the ramped top plate evenly or you cannot check the spring.
3. Center spring in lower and upper plates.
4. Install pins securely in top plate at the lowest free position above the spring.
5. Jack the spring up until it touches the top plate.
6. Record lower plate height from the scale. Pressure gauge should read zero.
7. Jack the lower plate up 1 inch from free height location.
8. Record pressure reading from the gauge.
9. Jack lower plate 1 inch higher, (2 inch total compression from free height).
10. Record pressure reading.

11. Gradually release pressure from the jack, and remove spring.
12. Record free length and rate of spring.
13. Subtract pressure reading obtained in step #8 (1 inch compression), from the reading obtained in step #10 (2 inch compression).
14. The end result is the spring rate.

NOTE: For the precise accuracy that professionals depend on, you must take accurate readings. A sixteenth of an inch can change spring rate significantly.



# IMPORTANT

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