



MODEL TSK-5400LT

TS™
Seiki
TOYOSEIKI

OPERATING INSTRUCTIONS

▲WARNING

READ ALL DIRECTIONS IN MANUAL CAREFULLY BEFORE OPERATING EQUIPMENT

▲WARNING

DO NOT RAISE TOWER IN THE VICINITY OF OVERHEAD POWERLINES!

OPERATING INSTRUCTIONS

I. MOVE LIGHT TOWER TO DESIRED LOCATION KEEPING THE FOLLOWING IN MIND:

- A. The light tower should not be placed where those working under the light are either:
 - 1) Forced to look into the light regularly.
 - 2) Forced to work with their backs to the light (shadows will block the light from the work area).
- B. The area where the tower is positioned should be relatively level.
- C. The light tower should be located on the same level or on ground higher than the area being lighted (higher light mounting heights reduce the shadow length).
- D. Unit should be level to ensure smooth trouble-free tower telescoping. Tower may not telescope down properly when unit is not level.

II. LEVEL THE LIGHTING TOWER, USING THE JACKS AS FOLLOWS:

- A. Start at the highest jack position. Rotate the jack handle until the jack foot touches the ground.
- B. Raise the jacks to ground level ... **▲WARNING** ...insure that the front jacks are down to prevent the tower from tipping over backwards when raised.

III. RAISING THE TOWER

- A. Aim the fixture, both horizontally and vertically, to the estimated angles that will light the work area.
- B. Using the winch, raise the tower to the vertical position. The tower-locking pin at the base of the pivot post will lock automatically and you will hear it “snap” into place. Insert manual pin into locking device.
- C. Release the tension on the cable by backing the winch off slightly and pull the telescoping locking pin on the galvanized tower section. Hold this out while turning the winch to raise the tower. After the tower has telescoped slightly, the locking pin can be released. Raise the tower to the desired height.

▲CAUTION **DO NOT ATTEMPT TO LEAN THE TOWER DOWN BELOW 45° WHEN IT IS EXTENDED-SERIOUS DAMAGE MAY OCCUR!**

IV. START THE ENGINE / GENERATOR SET

- A. **CAUTION** Ensure the circuit breakers are turned “OFF”. This prevents the engine from starting under load and prevents electrical equipment from being subjected to improper voltage and frequency.
- B. Check the oil, fuel, and coolant (if liquid cooled) levels. If the fuel tank is empty, it may be necessary to bleed the fuel line after filling the tank (see engine instruction book for procedure).
- C. Turn the ignition switch to the “ACC” position (see diagram below). Press the preheat push-button for a **maximum of 20 SECONDS**. Do not engage the preheat button longer than the time specified or damage may occur.



- D. Turn the ignition switch to the “START” position to engage the engine. After the engine starts, release the switch so that it returns to the “RUN” position. Let the engine come up to speed and stabilize (review the engine operating procedures in the manufacturers handbook). Note: If engine will not start, leave switch in run position for additional 10-20 seconds to completely prime the fuel system. Then repeat step “C” and start engine.

- E. Turn on the main circuit breaker.

V. TURN ON THE FLOODLIGHTS

- A. Turn the circuit breakers “ON” and check to ensure that all lamps come on. Allow a minimum of two (2) minutes for lamps to reach full luminance.
- B. If required, rotate the tower to aim the lights as desired. Tighten the tower rotating locking bolt.
- C. Adjust the tower vertically and adjust lighting direction of individual fixtures if required.

VI. TURN OFF THE FLOODLIGHTS

- A. If operating, turn light circuit breakers off.
- B. Turn engine switch to “OFF” to shut down the engine.
CAUTION Do not shut down engine prior to turning lights off
- C. **CAUTION** Allow lamps to cool at least ten (10) minutes before moving the tower to avoid breaking lamp.

VII. RELOCATING LIGHT TOWER TO NEW LOCATION

- A. Insure that tower has been properly lowered and locking pins are engaged.
- B. Insure all fixtures are pointed toward the ground, or mounted on the fixture storage brackets on the lower tower section.
- C. **CAUTION** All jacks must be raised and all outriggers locked into travel position.