



Technical Service Bulletin

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| MODEL(S) AFFECTED: | 5680, 5700, 7200 |
| SUBJECT: | Instructions which explain how to check and / or change the new battery charger setting to match the machines batteries. |
| PURPOSE: | A new battery charger has been introduced and sent with many 5680, 5700, and 7200 machines that may not have been set properly for the machines batteries. |
| NOTES: | |

This new charger has nine settings for various types of batteries. **Always make sure the charger is at the proper setting BEFORE charging batteries.**

The green indicator light flashes (when the charger is first plugged into an AC outlet) to show the charger setting. DO NOT plug the charger into a battery at this point. Count the number of flashes separated by a pause to determine the charger setting (i.e., three flashes, pause, three flashes, pause, etc. means the charger is in the third setting).



Tennant uses only two of the charger settings;

1. Setting 3 (3 flashes) is for 36 VDC systems with battery ratings between 200-250Ah at a 20 hour rate.
2. Setting 7 (7 flashes) is for 36 VDC systems with battery ratings more than 250Ah at a 20 hour rate.

NOTE: If charging batteries not supplied by Tennant, use the charger manufacturer's instructions to determine which setting to use.

3. Read the instructions provided by the charger manufacturer and the instructions and safety messages (Refer to photo) mounted on the charger for installation/operation instructions and safety information.

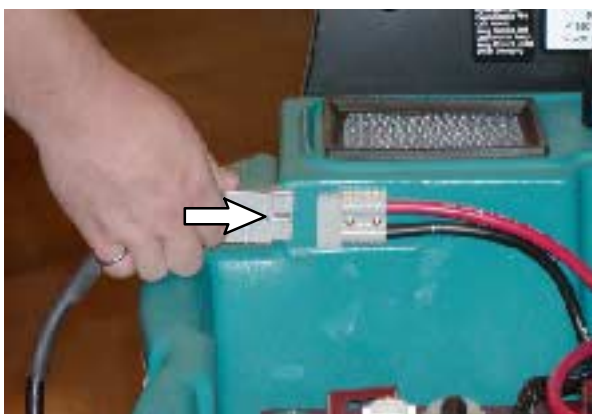


TO CHANGE CHARGER SETTING:

1. Plug the charger into the an AC outlet. The charger will run through a self test for about 2 seconds. Then the green indicator light will flash for 11 seconds to show the charger's current setting. (See previous page). The charger setting must be changed during this 11 second time span.

NOTE: If you waited more than 11 seconds to change the setting, the red indicator light will turn on. When this happens, unplug the charger from the AC outlet, wait a few seconds, then replug it into the outlet to start the cycle over.

2. During the 11 second time span, connect the charger to the battery connector for 3 seconds, and then unplug the charger from the battery (Refer to photo). The charger will advance to the next setting. (Count the number of flashes separated by a pause to determine the charger setting).



3. Repeat previous step until the desired setting is displayed.
4. After the desired setting is reached, plug the charger connector into the battery connector until the output relay clicks (this happens 10 seconds after it is plugged in). The indicator light will flash red and the setting is saved in the charger memory.



NOTE: To change to a setting for another size battery, unplug the charger from the AC outlet, wait a few seconds, then replug the charger back into the AC outlet. Follow Steps 2 through 4 to change the setting.

5. Verify that the charger is at the proper setting. The charger can now be used to charge batteries. (See Machine Operation manuals for charging instructions).