

Terminal Tractor Service Bulletin



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| Subject: T2 Wiper Arm Installation Instructions | | | |
| Product: Medium Terminal Tractor | Bulletin # SB16TI0061 | Date: 30-September-2016 | Pages: Page 1 of 2 |
| To: All Kalmar Sales Companies | | From: Medium Terminal Tractor Product Support | |

Units Affected: Kalmar Ottawa T2 Terminal Tractors

Possible Situation: Improper installation of the wiper arm may result in contact between the wiper blade and the windshield seal causing damage to the wiper arm and motor. Contact between the wiper blade and the windshield seal is more likely to occur during operation of the wiper on the high-speed setting.

Solution: The following steps must be followed when installing the wiper arm:

1. Insure the wiper motor is in the park position. With the wiper arm removed operate the wiper switch to "ON" and then "OFF" to allow the drive to set at park.
2. Install the wiper blade onto the wiper arm.

Note: The attaching point on the blade IS NOT in the middle of the blade. Install the blade so that the short end of the blade is down.

3. Install the idler arm onto the idler (street side) shaft.
4. Install hardware and tighten to 10-13 ft-lbs).
5. Install the driven arm onto the driven (curb side) shaft with the blade between 1.4" to 1.5" from its lowest point to the windshield bottom seal. Insure that all of the over travel is taken up in the wiper system and recheck the blade clearance to windshield rubber.

Note: Both arms are spring loaded and the splines of the shafts and the arms must be aligned before tightening.

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6. Install hardware on drive shaft only enough to engage splines and prevent the arm from slipping on the shaft.
7. With light downward pressure on the arm assembly insure that all of the over travel is taken up in the wiper system and recheck the blade clearance to windshield rubber. Adjust as needed to insure 1.4" to 1.5" clearance between the tip of the blade and the lower windshield seal. Tighten the hardware to 10-13 ft-lbs.
8. **Keep the windshield wet at all times for this step.** Set the wiper speed to high and observe the blade pattern. It should not contact any part of the windshield seal. If there is contact between the blade and seal re-adjust the arm starting from step #4.
9. Retighten both drive and idler blade hardware to 10-13 ft-lbs.

Warranty: If it is necessary to reposition the wiper arm the basic vehicle warranty term applies. Time allowed to reposition the arm is 0.3 hour.