

Product Group: RIDE-ON TROWELS Model: STXDF

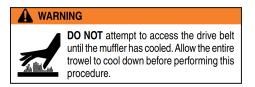
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## FAN BELT INSPECTION & ADJUSTMENT

This documentation outlines the inspection procedure and adjustment for the MSG-425 Ford industrial engine fan belt. Drive belt system should be inspected every 200 hours.

## INSPECTION



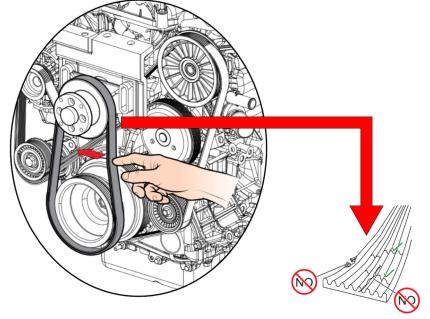


Drive belt squeal that is short and intermittent is expected and considered normal. Constant or reoccurring drive belt squeal can occur with a damaged pulley bearing, fluid contamination, or a loose belt. Running condition for engine coolant temperature may increase with loose belt.

Also check for belt misalignment which can cause a chirping noise. If misalignment is found, check the tensioner for damage, especially the mounting pad surface. Check for a damaged pulley that wobbles. Check mounting brackets for tightness and for any interference.

With belt off, check that all pulleys rotate freely without binding.

Note: The fan belt should have some deflection in it when pressure is applied from the side. Using a belt tensioner gauge a reading of 95 - 100 lbs. is recommended.





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## ADJUSTMENT

- 1. Remove negative battery cable.
- 2. Loosen M8x1.5 fan bearing bracket bolts so the bracket can slide down.
- 3. Place ratchet strap around fan pulley shaft and then secure it to a hoist or overhead beam.
- 4. Slowly ratchet allowing the bearing bracket to slide up evenly to tension the fan belt.
- 5. With the belt tensioned tighten the bearing bracket bolts 21 lb-ft (28Nm)
- 6. Install negative battery cable

Note: The fan belt should have some deflection in it when pressure is applied from the side. Using a belt tensoner gauge a reading of 95 -100 lbs. is recommended.

CAUTION: Incorrect fan belt installation will cause excessive drive belt wear and can cause the belt to come off the pulleys.

