



## DONALDSON SERVICE GUIDE

# Servicing FCM Spark Arrestors

The Donaldson Spark Arrestor is made of high quality materials and requires minimum inspection and servicing. However, as with all exhaust system components, the Spark Arrestor will eventually deteriorate. The service life depends on the exhaust gas temperature, engine type, and the percentage of time the engine is operated at high loads and speed. A normal service life of 2,500 hours or one season of operation is expected.

- Can be installed vertically or horizontally (If possible, the clean out should face away from all fuel tanks, the vehicle operator's position and the air cleaner inlet.)
- Not designed to support tail or stack pipes without additional support.

The Spark Arrestor should be inspected every 1,000 operating hours or three times per season.

Examine the outside of the Spark Arrestor visually for holes, cracks, and metal corrosion.

With the engine stopped, look inside the Spark Arrestor outlet tube with a flashlight or other light source. Visually examine the stainless steel vanes and the outlet tube for metal or weld failure. The vanes must be firmly attached to inlet tubes and the outlet tubes must be completely intact.

Replace the Spark Arrestor if inspection reveals any of the above unsafe conditions. *Because the condition of the vanes and outlet tube affects the spark arresting efficiency, this check is an important factor in maintaining the highest degree of safety.*

Check the mounting clamp with a wrench to make sure the Spark Arrestor is securely mounted.

## Servicing the Carbon Trap

*NOTE: Service in an area where there is no danger from flying sparks or hot carbon particles.*

1. Stop the engine and allow exhaust system to cool.
2. Remove cleanout plug with a wrench. If a crust has formed over the hole, break it loose with a screwdriver or similar tool.
3. Start the engine and run it at a high idle to blow collected particles out the cleanout hole. If particles are slow to discharge, momentarily cover the end of the exhaust stack.
4. Stop the engine and replace cleanout plug securely.



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