

To: Teresa Jensen Director of Library & IT Services
From: Ryan Kiefer, City Mechanic
Regarding: Booker repairs
Date: October 12, 2016

Items of concern on Booker are starting to out weight the value of the machine. As in any vehicle I cannot predict the exact date and time of these noted issues. Booker is a 1987 vintage, and has already posed a problem as far as getting parts for it any more. I cannot give an exact dollar figure on every item, these are ball park figures.

Issues of concern are-

- 1) Springs have negative camber on them, meaning they could snap at any time. Cost to replace \$4000.00
- 2) Bad oil leak front cover of motor. Remove front cover and reseal . Very common to have a cracked front cover. Cost to repair \$2500.00
- 3) Engine smoke from exhaust. Causes are leaking injectors , worn fuel pump or low compression. Cost to Repair fuel pump and/or injectors \$2000.00 Fuel repairs and over \$10000.00, if overhaul needed for low compression.
- 4) Speedometer not working. No parts available, would need to be converted to electronic speedometer. Cost to update \$1000.00
- 5) Generator smoking badly . Same situation as motor. Very high hours in need of overhaul. \$8000.00 to \$10000.00 to replace.
- 6) Horn is inoperative, parts no longer available. Cost to update \$300.00.
- 7) Entry steps are rusting out and unsafe. Cost to replace \$400.00 a piece x 2 steps plus labor
- 8) Steering system leaking oil. Cost to repair \$200.00
- 9) Air compressor leaking pumping oil. Cost to repair \$600.00
- 10) Radiator core is rusted out. Cost to replace \$1000.00
- 11) Body rust is coming through from inside. Cost \$4000.00 to \$8000.00
- 12) Tires are dry rotting/weather checking. Cost \$1500.00
- 13) Driver's seat is worn out and unsafe. Cost \$1300.00
- 14) Fuel tank is rusting through. Cost \$800.00

These are the things I've observed. Considering the vintage of the vehicle and value of the repairs, you still have an old machine with new parts if you were to refurbish it. In my opinion it would not be money well spent. Because of the design of the vehicle and its use it isn't very attractive to the market with or without these repairs.

Thanks, Ryan Kiefer