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Technical Service Bulletin 180

ECH440 Pulse Pump Line Replacement

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Estimated time of completion:

Vacuum Line Replacement 30 minutes

Models Affected:

KOHLER POWERED LANDSTAR 455, TRAILWAGON 450

Description of Problem:

Unit stall (fuel starvation) when ran at continuous full throttle.

Solution:

Replace pulse pump 1/4" vacuum line with 3/16" vacuum line.

Tools Required:

Pliers

Side cutters / Tube cutters

Parts Required for Tank Replacement:

3/16" x 8" rubber fuel line (ALM PN 17395) 3/16" x 22" rubber fuel line (ALM PN 17395)

7/16" Hose Clamp (ALM PN 2-50853)

Safety Warning:

- Always wear safety glasses

Procedure:

Hose Removal:

- 1- Access the fuel system Gain access to the fuel system by removing the seat bottom and underseat storage tray.
- 2- Locate the pulse pump and connecting lines. (Ref Fig 1)
- 3- Loosen and slide clamps away from connection at the pulse pump and at the engine crankcase connection. (Ref Figs 2 and 3)
- 4- Remove hose assembly from vehicle.





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- 5- Remove old hose and clamps from the filter and replace with supplied 3/16" hose and clamps. (Ref Fig 4)
- 6- Re-install new hose assembly by reversing steps 1-4.

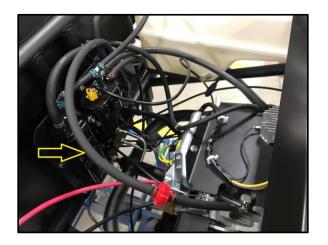


Fig 1 – Pulse Pump Hose Assembly



Fig 3 – Crank Case Connection

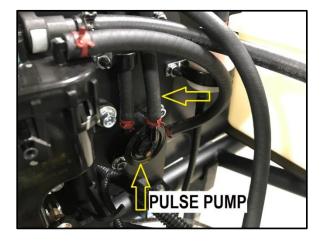


Fig 2 - Pulse Pump Detail



Fig 4 - 3/16" Hose assembly with clamps

If you do not understand the TSB or if you cannot perform the tasks outlined in the TSB, please contact American LandMaster at 800-643-7332 or email at feedback@AmericanLandmaster.com.

