

HOWARD MARSHALL ENGINEERING LTD.
JD 2036R 3rd SERV. KIT FITTING GUIDE



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JD 2036R 3rd Hydr. Service Kit with Joystick Control

Introduction:

This HME 3rd hydr. service kit has been developed specifically for the John Deere 2036R compact Utility tractors fitted with a 220R front loader and is currently only approved for use with these models.

Some components have been pre-assembled and tested prior to dispatch to ensure the kit is in working order and ready to fit, some parts therefore need to be disconnected before installation. Take note of the connections in order to re-connect them correctly. It is advisable that only trained technicians carry out the installation.

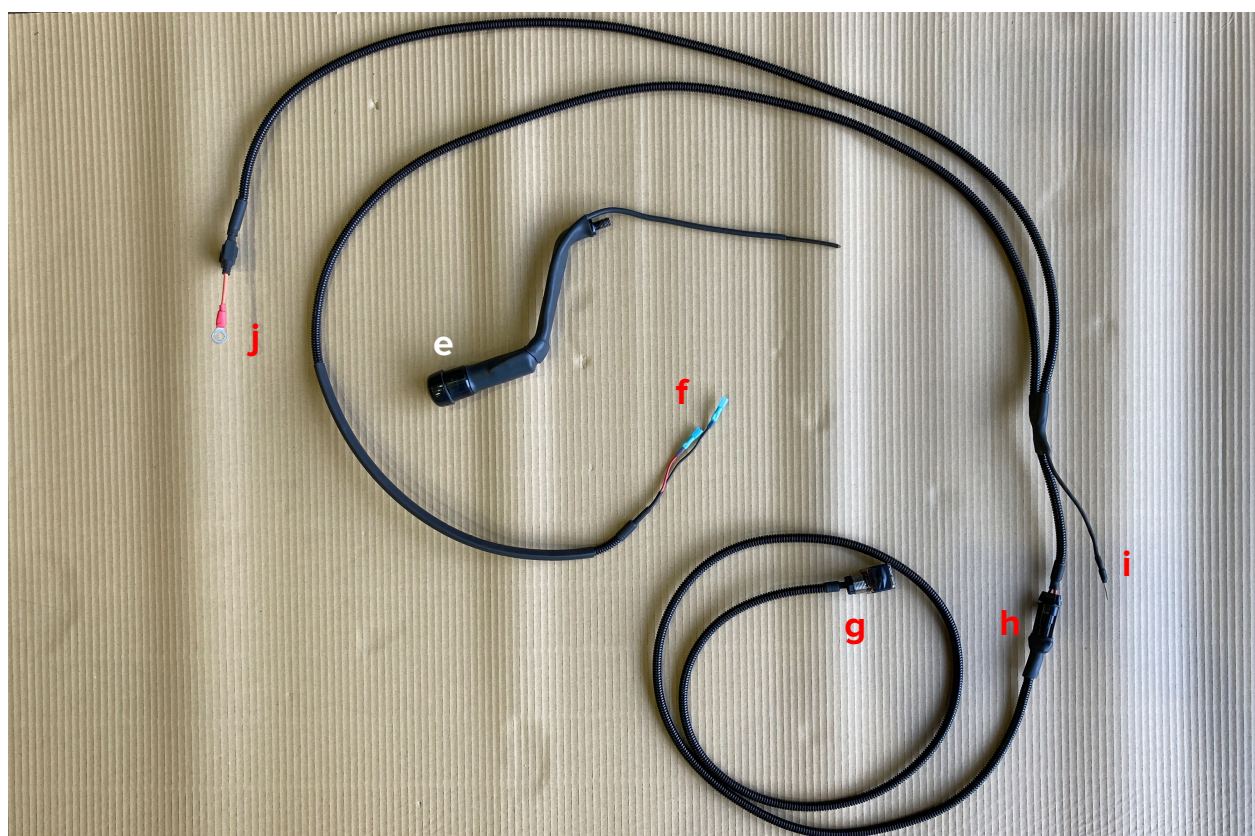
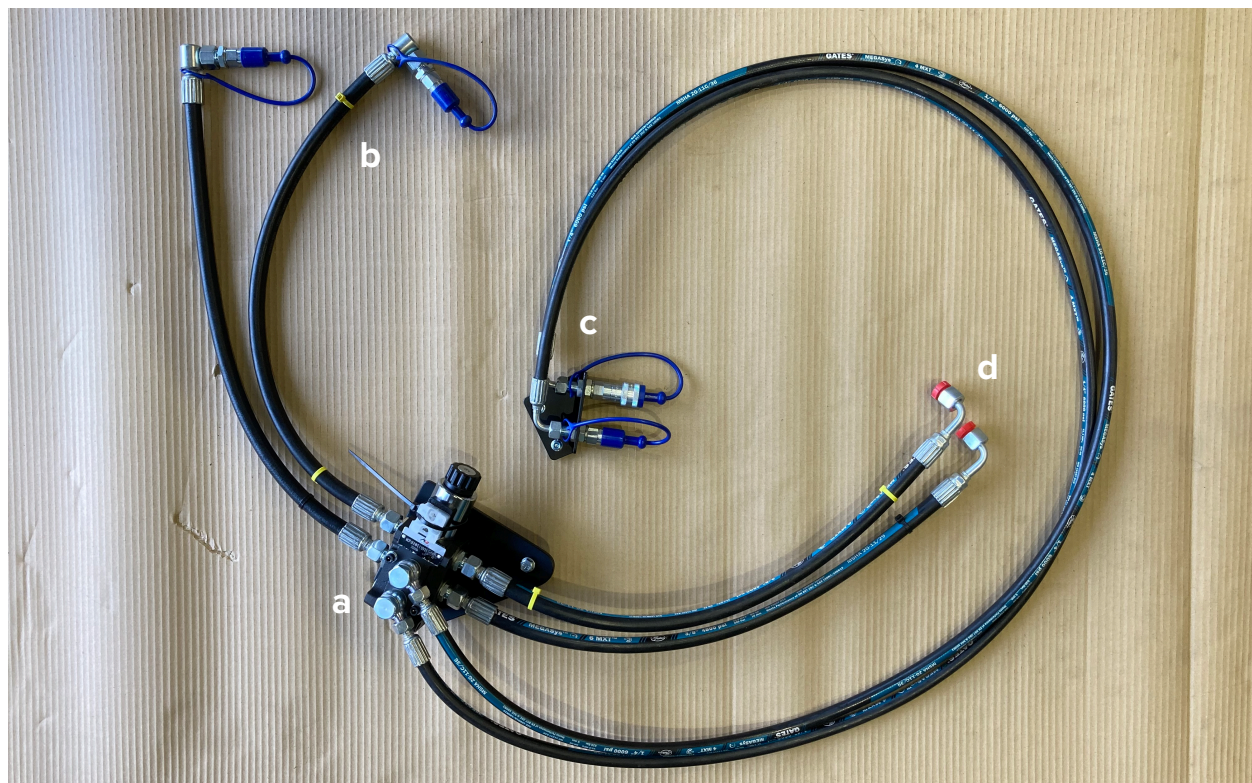
Safety

During the installation process the park brake will need to be released to actuate the brake pedal, ensure the machine is parked on level ground and secured with wheel chocks to prevent it from rolling. Always follow appropriate safety protocol when working on the machine and adhere to all applicable health and safety regulations in the workshop.

It is advisable to read through and understand this entire fitting guide prior to commencing the installation.

KIT CONTENTS

- a) Diverter valve block and mounting bracket
- b) Hydraulic hoses to spool block (Power unit)
- c) Hydraulic hoses to couplings on loader
- d) Hydraulic hoses on loader block
- e) Joystick Control
- f) Joystick Connection
- g) Hirschmann Connector
- h) Connector Plug
- i) Ground Wire
- j) Alternator Power Supply Wire



Hydr. Line Installation

Figure 1



Figure 2



Step 1: Mount the diverter block on the right side of the loader bracket using the existing holes and the nuts and bolts provided. Run hydr. hoses C along the right side to the front of the loader.

Figure 3

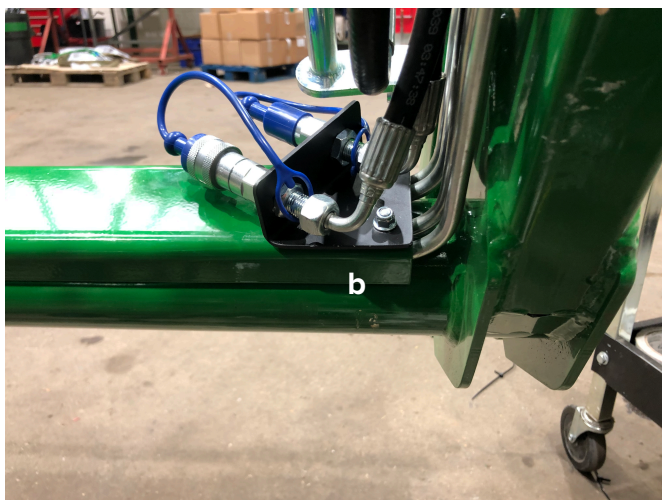


Figure 4



Step 2: Remove the cover on the loader strut bar and bolt on the outlet mount plate to the existing holes on the bar. Re-attached cover.

Figure 5

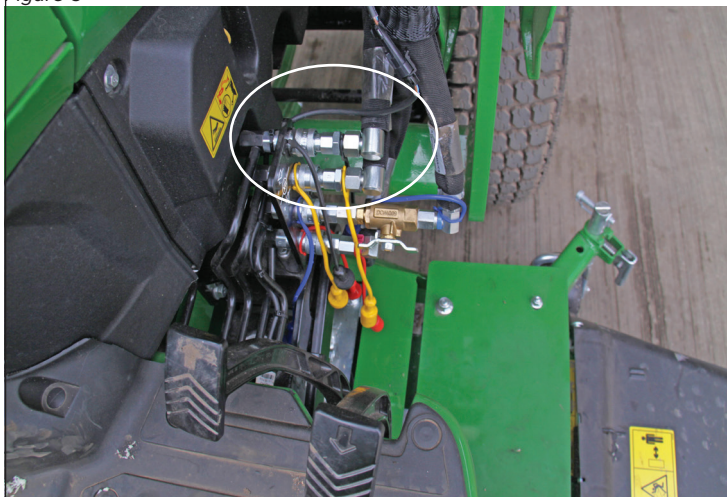


Figure 6



Step 3: Connect the hydr. hoses B from diverter to the spool block on the tractor using the Black and Yellow lines B/Y. Identify the crowd pipes (black and yellow). Remove the flex pipes from the steel line pipes (this hose is no longer required). Connect hoses D to the crowd pipe. Connect all couplings loosely at first to ensure correct fitting and then tighten the connections.

Joystick Control Installation

Figure 7

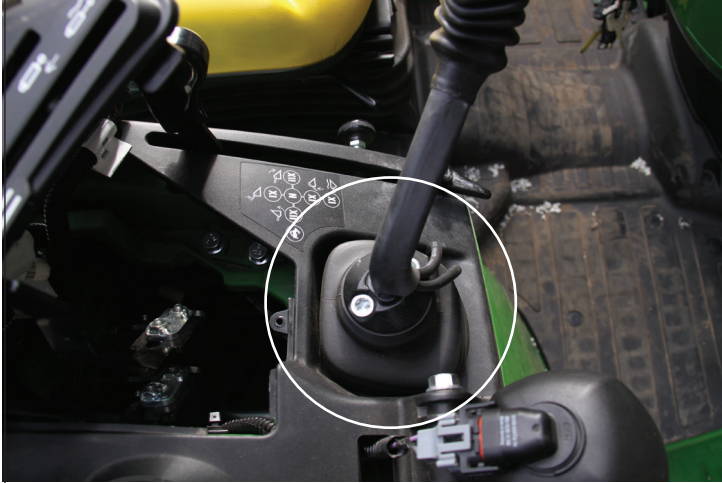


Figure 8



Step 4: Remove the engine cover on the tractor, remove the existing control lever and replace with the supplied joystick control. Connect the joystick wire and wire F below the rubber gator. Secure wires with the heat shrink provided. Pass the joystick connector cable beneath the mud guard and footwell and secure at the tractor's spool block. Connect ground wire behind the spool block to the tractor's ground connection.

Figure 9



Figure 10



Step 5: Feed supply wire up and around the rear of the engine to connect to the alternator post. Connect the Herschmann wire to the joystick wire at the spool block and feed the wire up to the diverter block to power. When powered, the Herschmann will illuminate. Cable tie all wires.



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