SERVICE MANUAL

LM5020 / LM5030 / Tier 3

Telescopic Handler

Part number 47787942

English

October 2014

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Assemble the arm and tighten provisionally with a torque wrench setting of **128 N·m** (**94 lb ft**) at least 6 screws equally distributed



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Apply torque meter TM to pinion nut and check that torque will increase by **40 - 60 N·m** (**29 - 44 lb ft**) as a result of differential bearing preload.
Example: pinion torque: **80 - 120 N·m** (**59 - 88 lb ft**). Pinion + differential torque: **120 - 180 N·m** (**88 - 133 lb ft**)



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Position comparator on the centre of one of the crown teeth, preset it to **1 mm** (**0.04 in**) and reset it to zero. Manually move the crown in both directions to check the existing clearance between pinion and crown. Gap= **0.13 - 0.20 mm** (**0.005 - 0.008 in**). In order to increase the gap while keeping the load on the bearing unchanged, take off shims from the crown wheel side and insert them on the opposite side. In order to decrease the gap, act the other way round. Introduce a comparator with rotary key through the rear cap hole.



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Assemble rubber cap and snap ring.



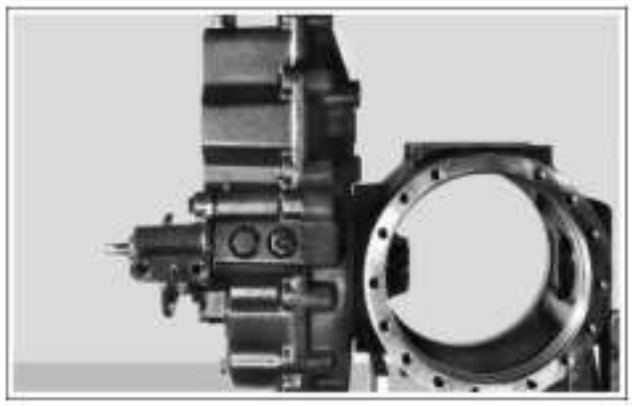
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Hydrostatic transmission - Disassemble

LM5030

Full reduction unit.



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Remove the gear control rod.



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Extract the gear control rod.



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Remove gear control cylinder screws.

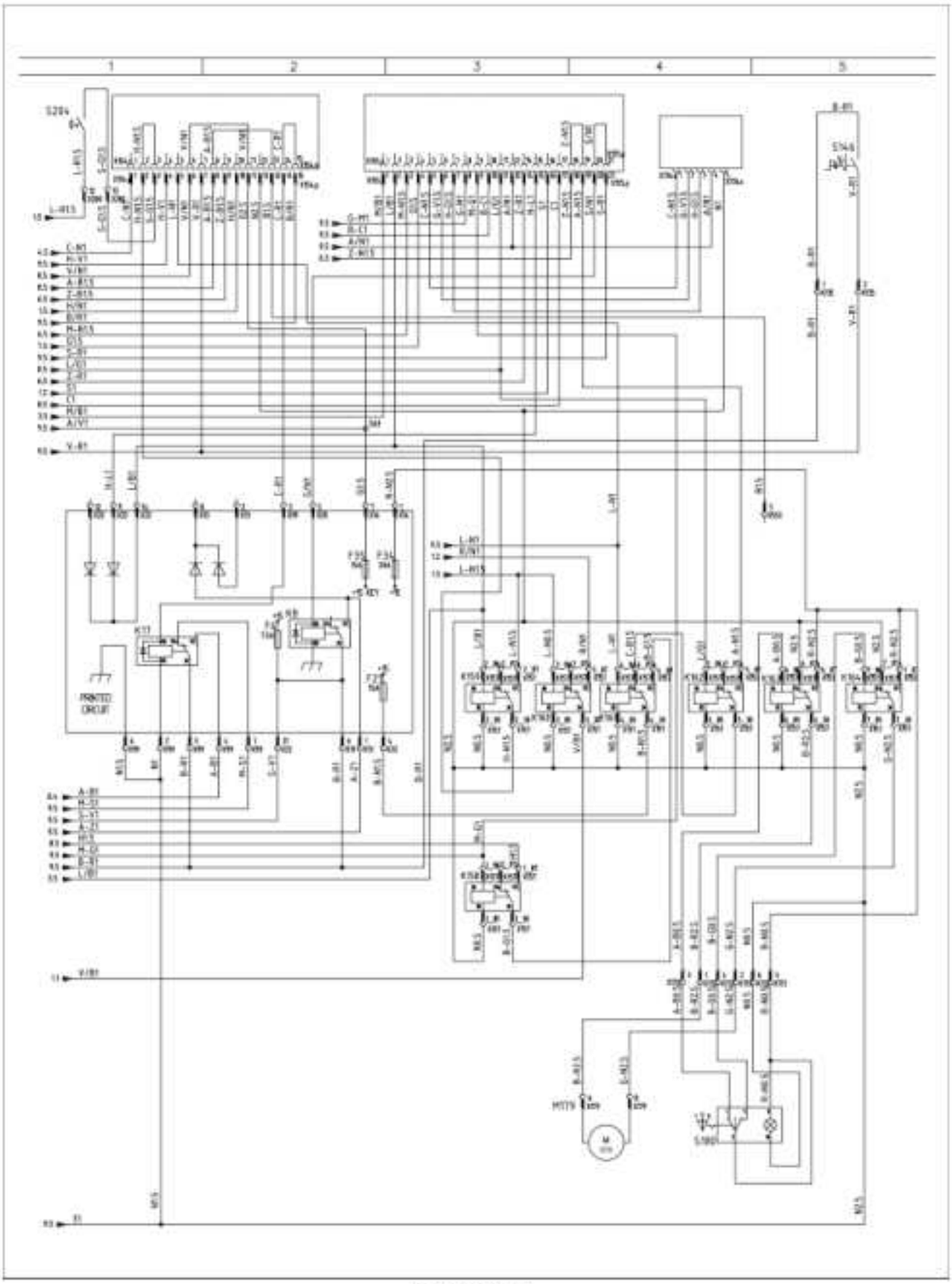


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