Service Manual

WLS 430ZX PLUS

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Section 2 - Operator's Manual

Section B - Body and Framework

Section C - Electrics

Section E - Hydraulics

Section F - Transmission

Section G - Brakes

Section H - Steering

Section K - Engine



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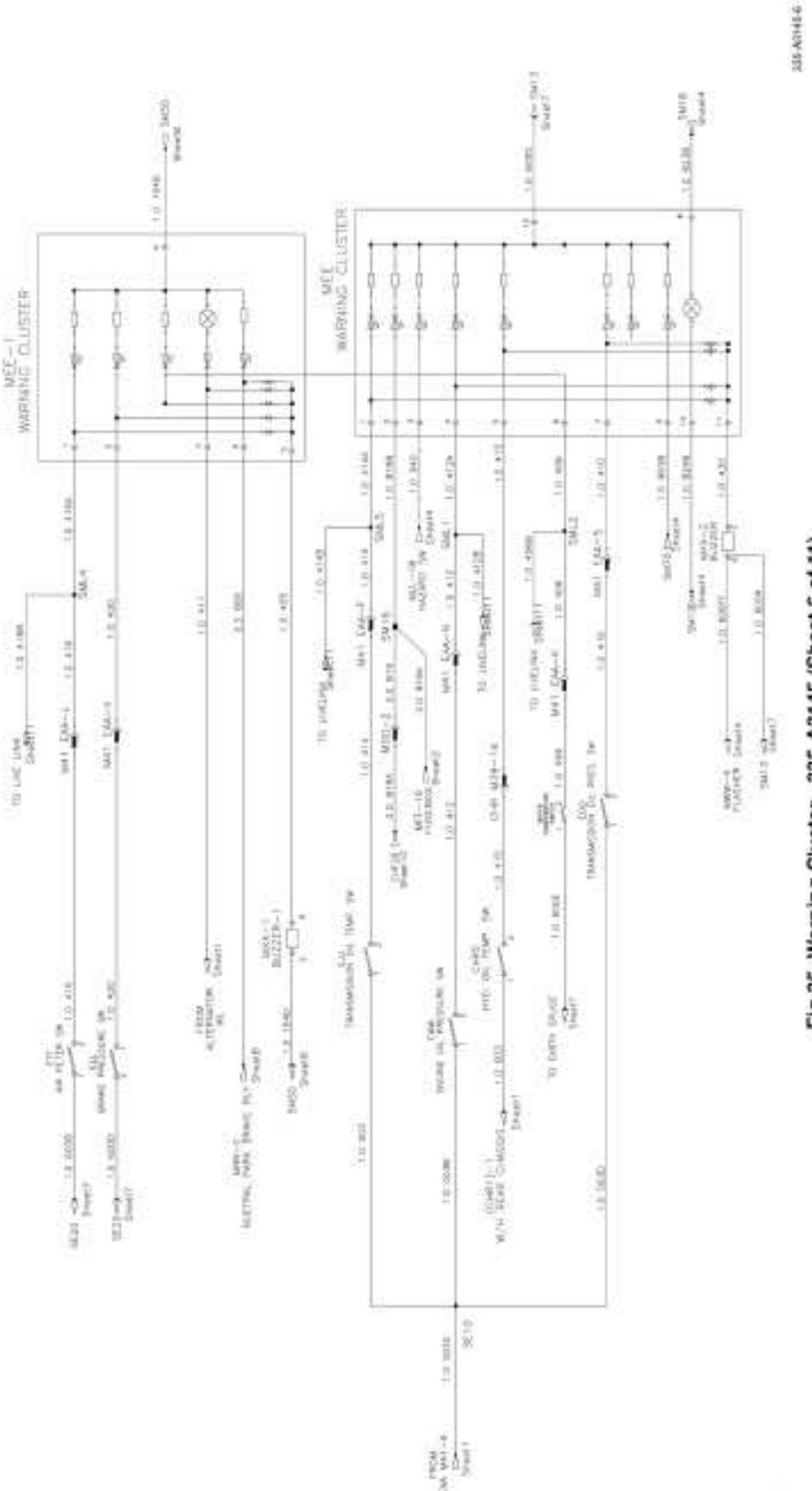


Fig 35. Warning Cluster - 335-A3145 (Sheet 6 of 11)

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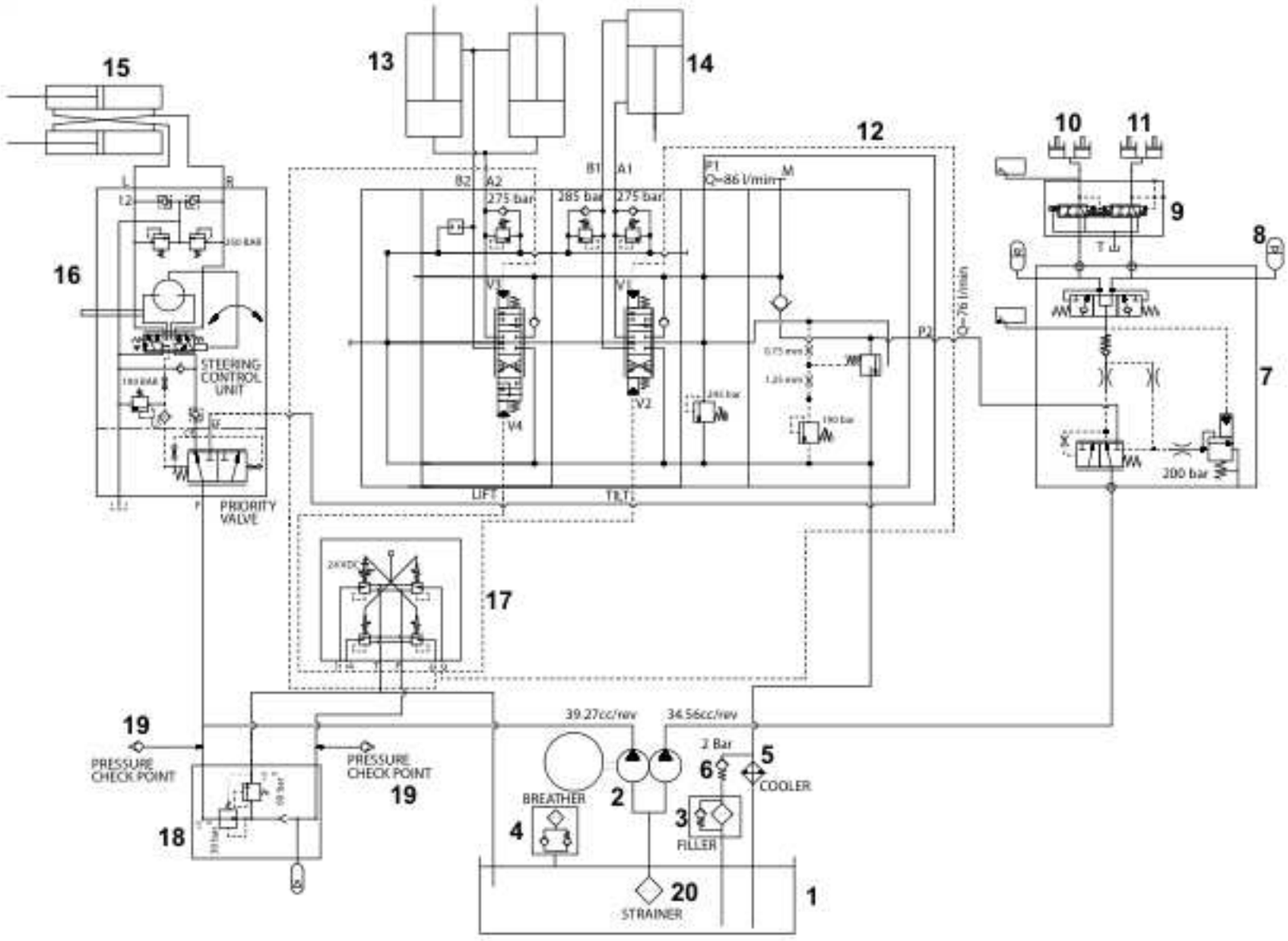


Fig 8.

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Table 11.

S. No.	Malfunction	Cause	Remedy
1	External leakage from lever box or control kit side	Spool seal (O-ring) worn out due to mechanical actuation or high back pressure	– Replace the seal – Check the back pressure level
2	Excessive internal leakage from working ports	Increased clearance between spool and body due to high bore	– Replace the working section – Check the oil contamination level
3	Dropping load during transition while raising	High leakage on the load check valve	Remove the load check valve and clean the seat, verify that if there is any dent at seating area
4	Inability to build pressure on working ports	– Pressure relief valve block or setting lowered Lower – pump pressure and flow	– Remove and clean or replace the relief valve – Check the pump and circuit

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6 Insert the plug assembly in the inlet port. ⇒ *Fig 98. (E-71).*

7 Torque the plug to 42 Nm.



Fig 99.

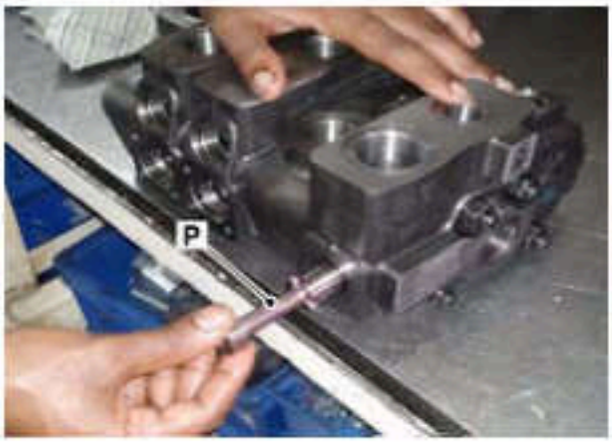
Priority Inlet Spool Assembly

1 Insert orifice **N** (0.75 mm Dia) in the spool.



2 Lubricate the spool cavity with hyspin VG46.

3 Insert the spool **P** into the spool cavity.



4 Make sure that the orifice face should go inside.

5 Install the plug **Q** into the spool cavity.



Fig 100.

6 Torque the plug to 24 Nm.



Fig 101.

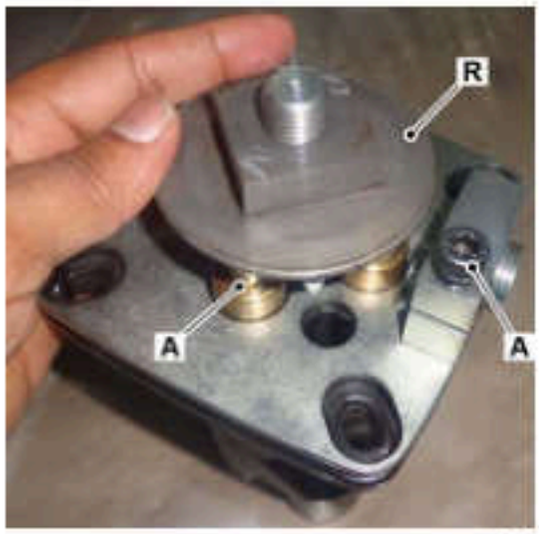
Main Relief Valve (MRV) Assembly

1 Assemble the main relief valve **R** into the main relief valve cavity.



Fig 102.

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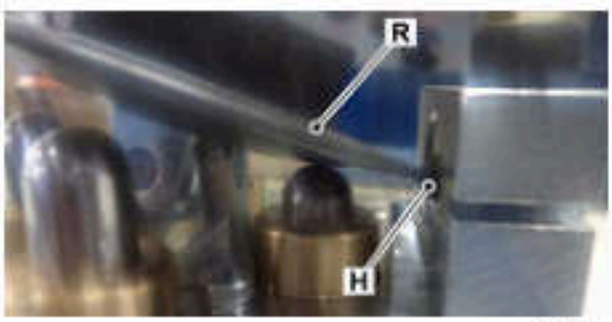


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Fig 17.

15 Tighten the locking screw **Q**, so that the lock unit has no play in the thread. ⇨ *Fig 17. (E-22)*.

16 Adjust the lock unit **M** so that the selector ring **R** just touches linkage pin **H**.



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Fig 18.

17 Turn the lock unit from 90 degree to 120 degree in the clockwise direction.

18 Torque the lock screw **Q** to 9.8 Nm.

19 Measure the pressure in the detent to push the handle, the pressure must be between 40 Nm to 45 Nm.

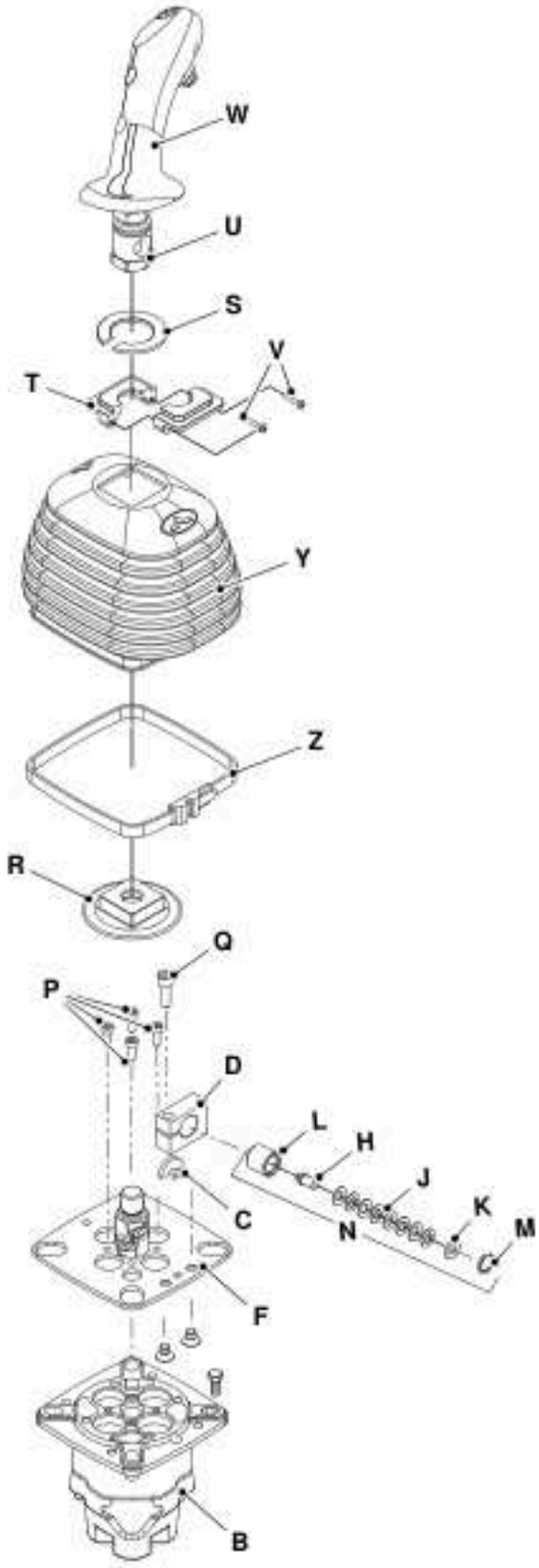
20 If the desired force is not achieved adjust the position of the lock unit and the locking screw.

21 Assemble the C-ring **S** and the rubber flange **T** on the knob body **U**. ⇨ *Fig 19. (E-22)*.

22 Install the two screws **V** in the rubber flange. ⇨ *Fig 19. (E-22)*.

23 Assemble the handle **W** in the sector ring **R** and torque the handle to 42 Nm. ⇨ *Fig 19. (E-22)*.

24 Put the rubber bellow **Y** in the valve body and use the tie **Z** to secure the rubber bellow **Y**.



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Fig 19.

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