SERVICE MANUAL

E75CSR

Midi Excavator

Part number 47488366A
English
March 2013

NEW HOLLAND CONSTRUCTION

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Error code		B044	
Trouble		Arm-in pressure sensor's power source is shortcut	
Judging condition		The input voltage from arm-in pressure sensor is **4.7 V** or more	
Symptom		Swing parking brake cannot be released during arm-in.	
Control in the event of failure		The arm-in pressure is controlled to **0 MPa**	
Returned in normal condition		It returns automatically in normal condition	
Service diagnosis checking screen		Screen No.	5 B-4 ARM IN
		Screen No.	
		Screen No.	
Checking object			Checking contents and remedy
1.	Arm-in pressure sensor **SE-7**		When **B044** is cancelled and other error occurs by turning starter switch On after exchanging the connector with other sensor. Check sensor unit for possible failure. If failure found, replace it
2.	Wiring between arm-in pressure sensor and controller **CN-130F** **CN-101F**		When **B044** is displayed after turning the starter switch On after the connector is exchanged with other sensor. Check wiring for possible failure according to the wiring checking procedure and repair it if necessary
3.	Mechatro controller		Check that the error is corrected after replacement of controller

Table 19

Error code		B072	
Trouble		Swing pressure sensor outputs error	
Judging condition		After starter switch ON and engine does not start yet. And the input voltage from the swing pressure sensor after starter switch ON is in the range of **1.4 V** or more to less than **4.7 V**	
Symptom		Swing parking brake does not work.	
Control in the event of failure		Swing parking solenoid valve is changed to non-excitation.	
Returned in normal condition		Not returned automatically under normal condition. Switch the power OFF once and turns on it again	
Service diagnosis checking screen		Screen No.	6 **B-7** SWING (Higher Pressure is selected between swing left and right, and the higher one is indicated.)
		Screen No.	
		Screen No.	
Checking object			Checking contents and remedy
1.	Swing right pressure sensor **SE-40**		When **B072** is cancelled and other error occurs by turning starter switch On after exchanging the connector with other sensor. Check sensor unit for possible failure. If failure found, replace it
2.	Wiring between swing right pressure sensor and controller **CN-315F** **CN-103F**		When **B072** is displayed after turning the starter switch On after the connector is exchanged with other sensor. Check wiring for possible failure according to the wiring checking procedure and repair it if necessary
3.	Mechatro controller		Check that the error is corrected after replacement of controller

Table 20

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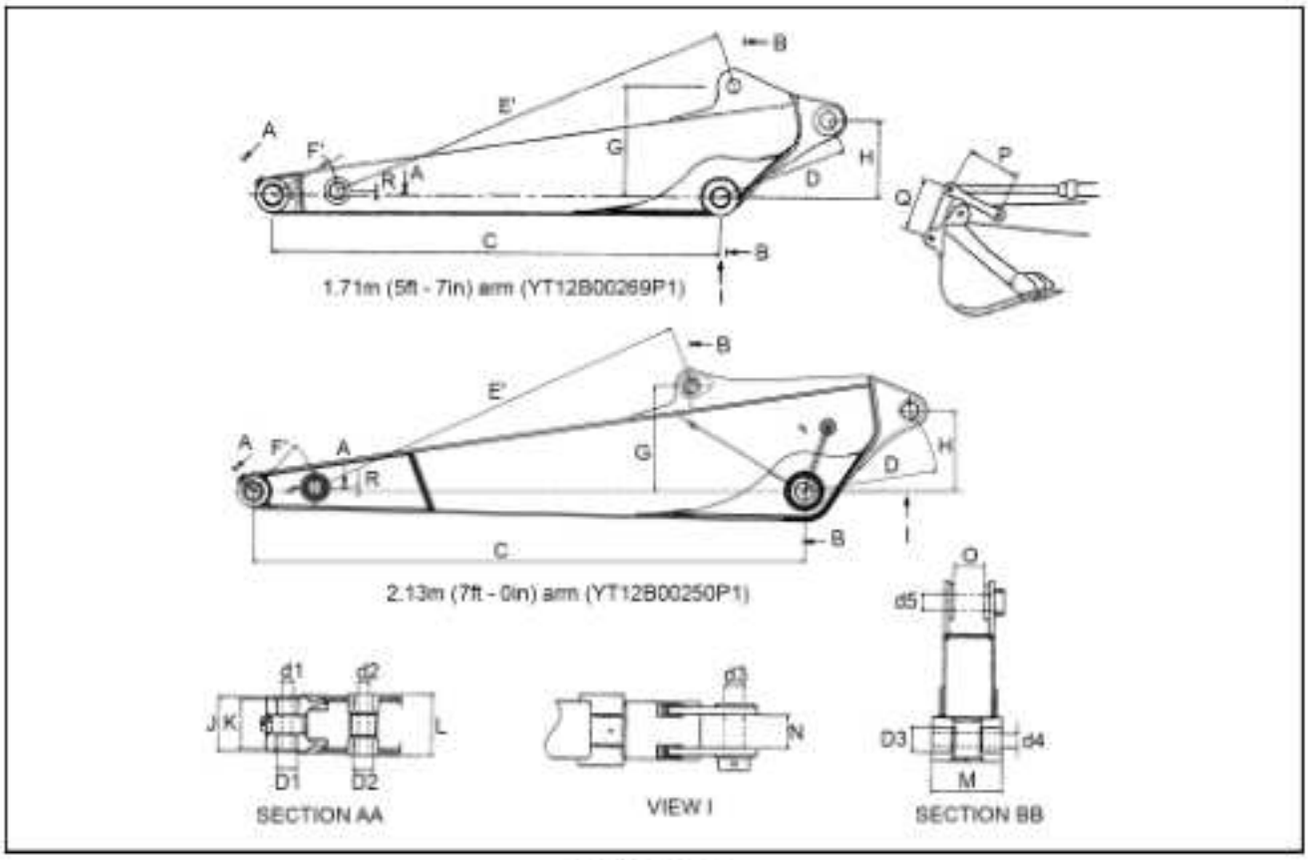
Upper harness assy. (over load alarm) (1/2)

Upper harness assy. (over load alarm)		YT13E00114F1	(01)	
Item	Part name	Part No.	Qty.	Remarks
1	Harness	YT13E01243P1	1	

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Dipper - Dimension

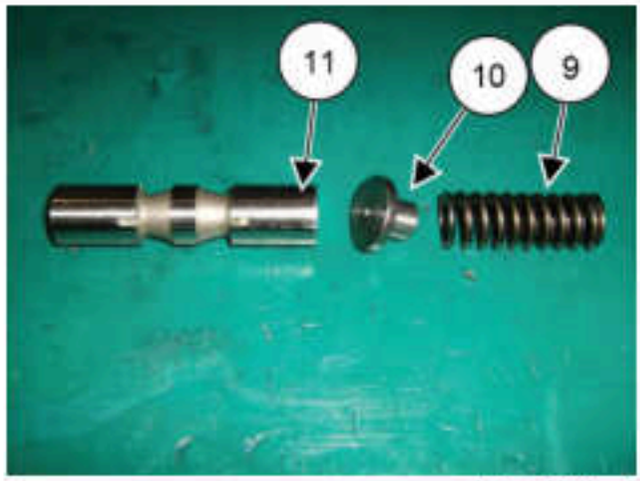
Arm dimensional drawing



Code	Item	Dimension		Code	Item	Dimension	
		1710 mm (67.3 in) Arm	2130 mm (83.9 in) Arm			1710 mm (67.3 in) Arm	2130 mm (83.9 in) Arm
C	Arm length	1710 mm (67.3 in) Arm	2130 mm (83.9 in)	M	Boss width	210 mm (8.27 in)	<--
D	Distance between pins of boss and bracket	R 497 mm (19.6 in)	R 515.5 mm (20.3 in)	N	Bracket inner width	100 mm (3.94 in)	<--
D1	I.D of boss	Ø 65 mm (2.56 in)	<--	O	Bracket inner width	90 mm (3.54 in)	<--
D2	I.D of boss	Ø 60 mm (2.36 in)	<--	P	Link dimension	436 mm (17.2 in)	<--
D3	I.D of boss	Ø 75 mm (2.95 in)	<--	Q	Link dimension	379.5 - 380.5 mm (14.9 - 15.0 in)	<--
E'	Distance between pins of boss and bracket	R 1504 mm (59.2 in)	R 1534 mm (60.4 in)	R	Height between pins of boss and center	15 mm (0.59 in)	<--
F'	Distance between of boss and boss	R 240 mm (9.45 in)	<--	d1	Pin dia.	Ø 50 mm (1.97 in)	<--

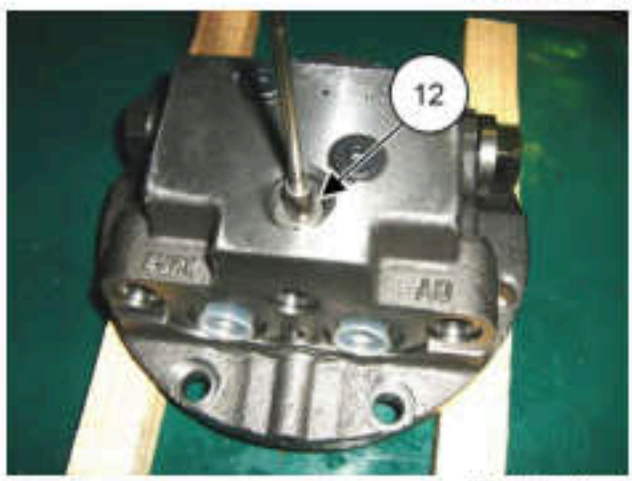
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8. Remove the spring **(9)**, pusher **(10)**, and spool **(11)** from the motor cover. These parts are located under the cover **(8)**.



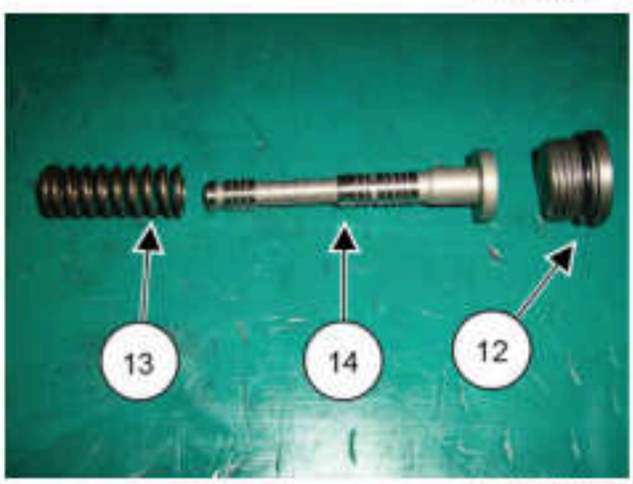
SMIL13CEX2297AA 7

9. Remove the plug **(12)** from top of the motor cover.



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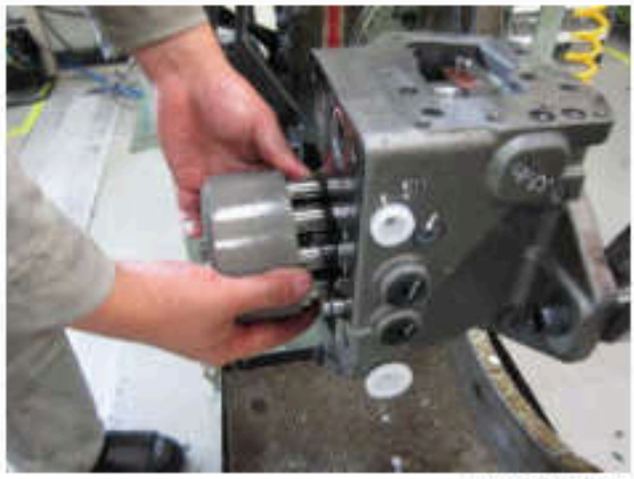
10. Remove the spring **(13)** and spool **(14)** from the motor cover. These parts are located under the plug **(12)**.



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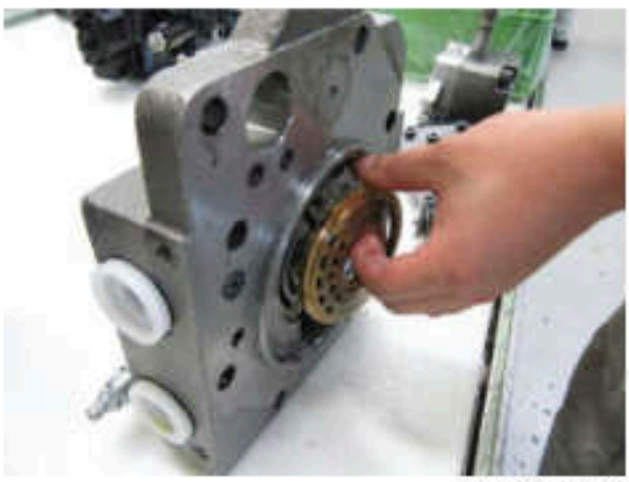
5. Assemble the cylinder block **(141)**, piston sub **(151)** and **(152)** , retainer plate **(153)**, spherical bushing **(156)** and cylinder spring **(157)** and align the spherical bushing with the cylinder block spline and then insert them into the drive shaft **(111)**.



9ML13CEX0185AA 5

ATTENTION: *pay attention not to score the sliding surfaces of the cylinder block, spherical bushing, shoe and swash plate.*

6. Install the valve plate **(313)** to the pump casing **(F)** **(271)** side of the valve cover **(312)** by aligning the valve plate with the spring pin **(885)**.



9ML13CEX0186AA 6

ATTENTION: *apply grease to the installation surfaces of the valve cover and valve plate to avoid dropping. Pay attention not to mistake the suction and delivery sides of the valve plate.*

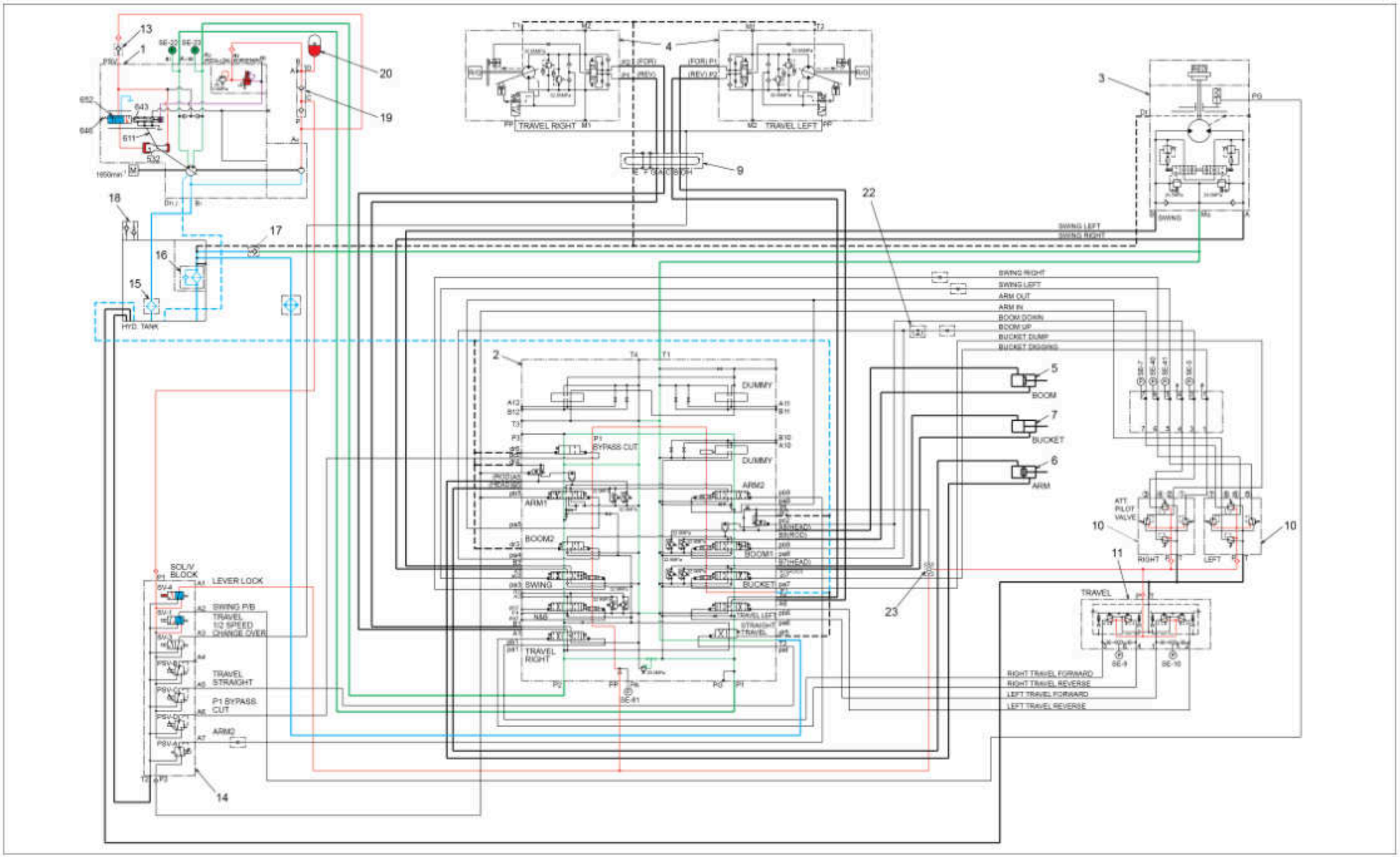
7. Install the spool assy **(650)** to the pump casing **(F)** **(271)**.



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ATTENTION: *install the spool assy with its oval hole for the pin **(653)** facing upward.*

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