CRAWLER EXCAVATOR

SERVICE MANUAL

HX25AZ, HX30AZ

HYUNDAI

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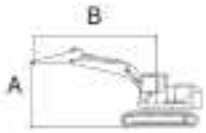
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2) HX30AZ

(1) Rubber track 300 mm, cab type

Model	Type	Boom	Arm	Counterweight	Rubber shoe	Wheel	Dozer		Outtriger	
		Length [mm]	Length [mm]	weight [kg]	width [mm]	width [mm]	Front	Rear	Front	Rear
HX30AZ	Cab	2030	1120	130	300	-	Up	-	-	-

· : Rating over-front · : Rating over-side or 360 degree



Load point height (A)		Load radius (B)												At max. reach		
		1.0 m (3.3 ft)		1.5 m (4.9 ft)		2.0 m (6.6 ft)		2.5 m (8.2 ft)		3.0 m (9.8 ft)		3.5 m (11.5 ft)		Capacity		Reach
																m (ft)
3.5 m (11.5 ft)	kg													*740	570	2.57
	lb													*1630	1260	(8.4)
3.0 m (9.8 ft)	kg									570	450			530	410	3.13
	lb									1260	990			1170	900	(10.3)
2.5 m (8.2 ft)	kg									570	450			440	340	3.49
	lb									1260	990			970	750	(11.4)
2.0m (6.6 ft)	kg							760	590	560	440	430	340	390	300	3.72
	lb							1680	1300	1230	970	950	750	860	660	(12.2)
1.5m (4.9 ft)	kg							730	560	540	420	430	330	360	280	3.85
	lb							1610	1230	1190	930	950	730	790	620	(12.6)
1.0m (3.3 ft)	kg							700	530	530	410	420	320	350	270	3.89
	lb							1540	1170	1170	900	930	710	770	600	(12.8)
0.5m (1.6 ft)	kg							680	510	510	390	410	320	350	270	3.85
	lb							1500	1120	1120	860	900	710	770	600	(12.6)
0.0m (0.0 ft)	kg					960	700	670	500	510	390	400	310	370	280	3.72
	lb					2120	1540	1480	1100	1120	860	880	680	820	620	(12.2)
-0.5m (-1.6 ft)	kg	*1190	*1190	*1420	1170	960	700	660	500	500	380			400	310	3.50
	lb	*2620	*2620	*3130	2580	2120	1540	1460	1100	1100	840			880	680	(11.5)
-1.0m (-3.3 ft)	kg	*1750	*1750	1720	1180	970	710	670	500	510	390			480	360	3.14
	lb	*3860	*3860	3790	2600	2140	1570	1480	1100	1120	860			1060	790	(10.3)
-1.5m (-4.9 ft)	kg			1750	1210	990	730	680	520					650	490	2.59
	lb			3860	2670	2180	1610	1500	1150					1430	1080	(8.5)

Note 1. Lifting capacity are based on ISO 10567.
2. Lifting capacity of the HX series does not exceed 75% of tipping load with the machine on firm, level ground or 87% of full hydraulic capacity.
3. The lift-point is bucket pivot mounting pin on the arm (without bucket mass).
4. *Indicates load limited by hydraulic capacity.

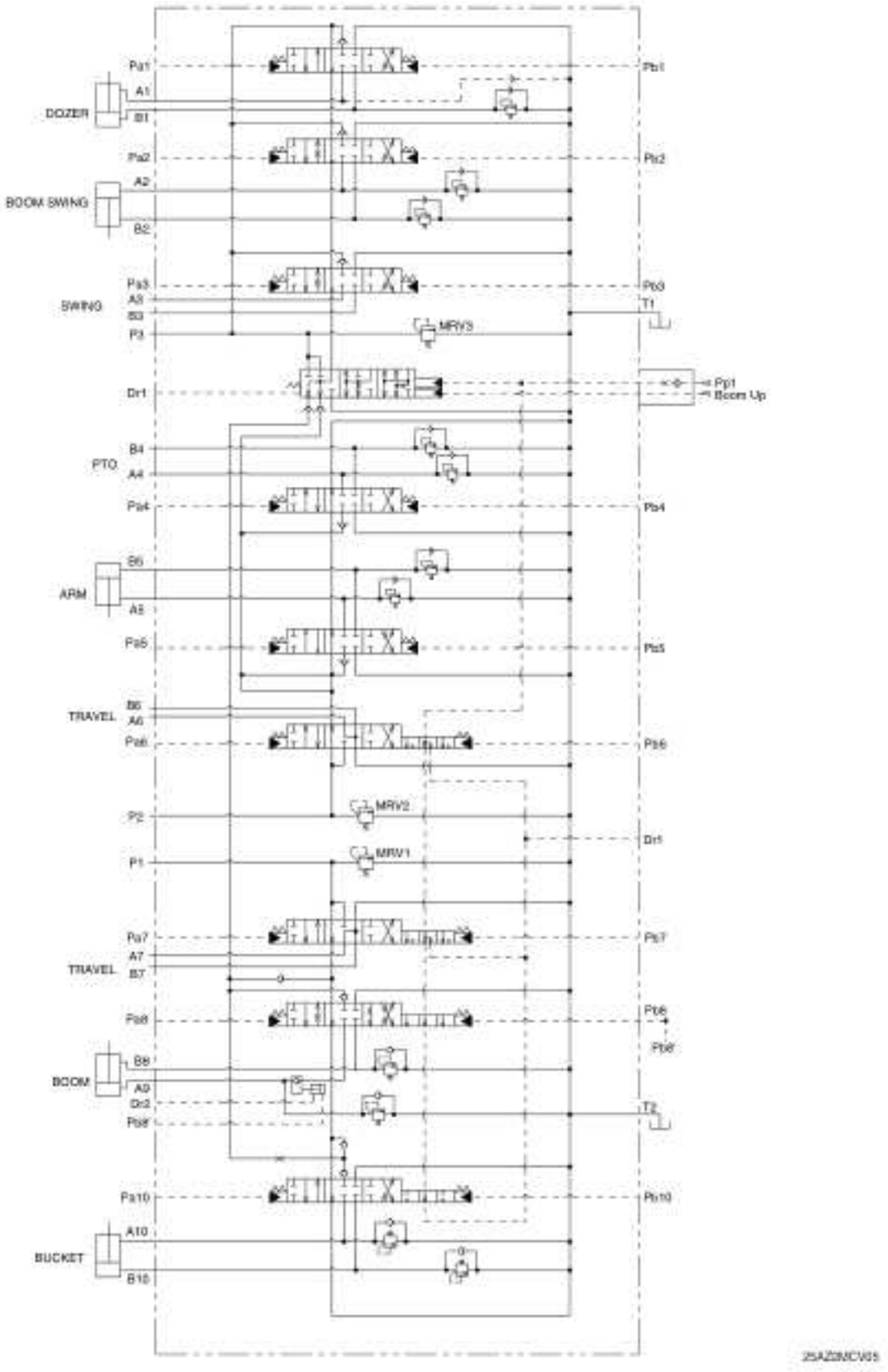
※ Lifting capacities are based upon a standard machine conditions.
Lifting capacities will vary with different work tools, ground conditions and attachments.
The difference between the weight of a work tool attachment must be subtracted.
Consult with your local HD Hyundai Construction Equipment dealer regarding the lifting capacities for specific work tools and attachments.

※ Please be aware of the local regulations and instructions for lifting operations.

⚠ Failure to comply to the rated load can cause serious injury, death, or property damage. Make adjustments to the rated load as necessary for non-standard configurations.

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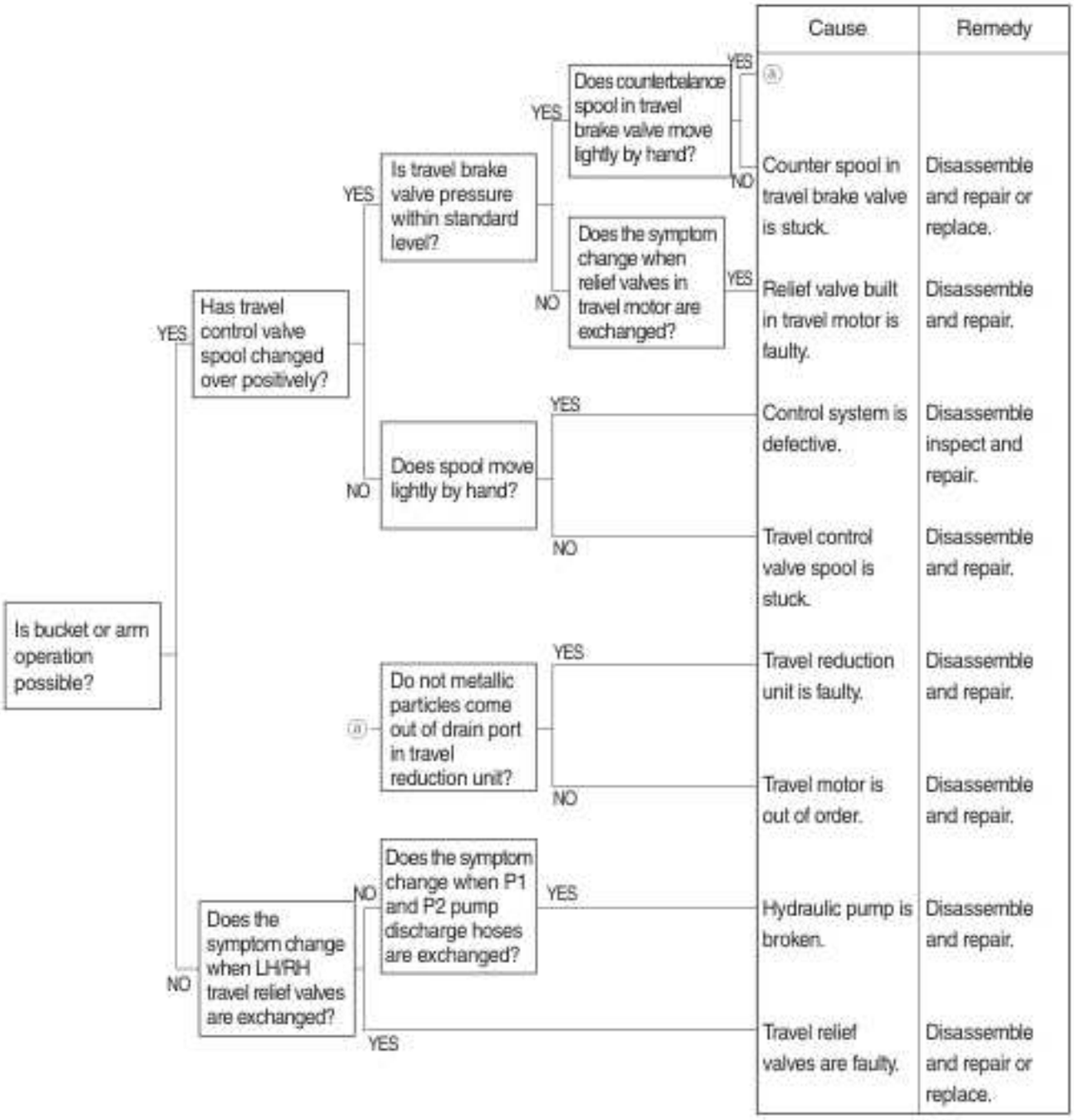
3. HYDRAULIC CIRCUIT



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5. TRAVEL SYSTEM

1) TRAVEL DOES NOT FUNCTION AT ALL ON ONE SIDE



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(13) Assemble the swash plate.

※ Assemble the swash plate and push rod along the contact surface, and make sure that the push rod is not pressed.

※ Direction of assembly: clockwise.



(14) Assemble the hex nut.

※ Direction of assembly: clockwise.



(15) Assemble the hex nut with the torque wrench.

- Tightening torque : 8kgf·m (57.9 lbf·ft)

※ Direction of assembly of upper torque wrench: clockwise.



(16) Assemble the inner boots.

※ Insert the boots between the plate and body.



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(16) Place the ring (128) over the pre-load collars.



(17) Place the carrier 1 assembly into the body (101) align spline of carrier to the pinion shaft (104).



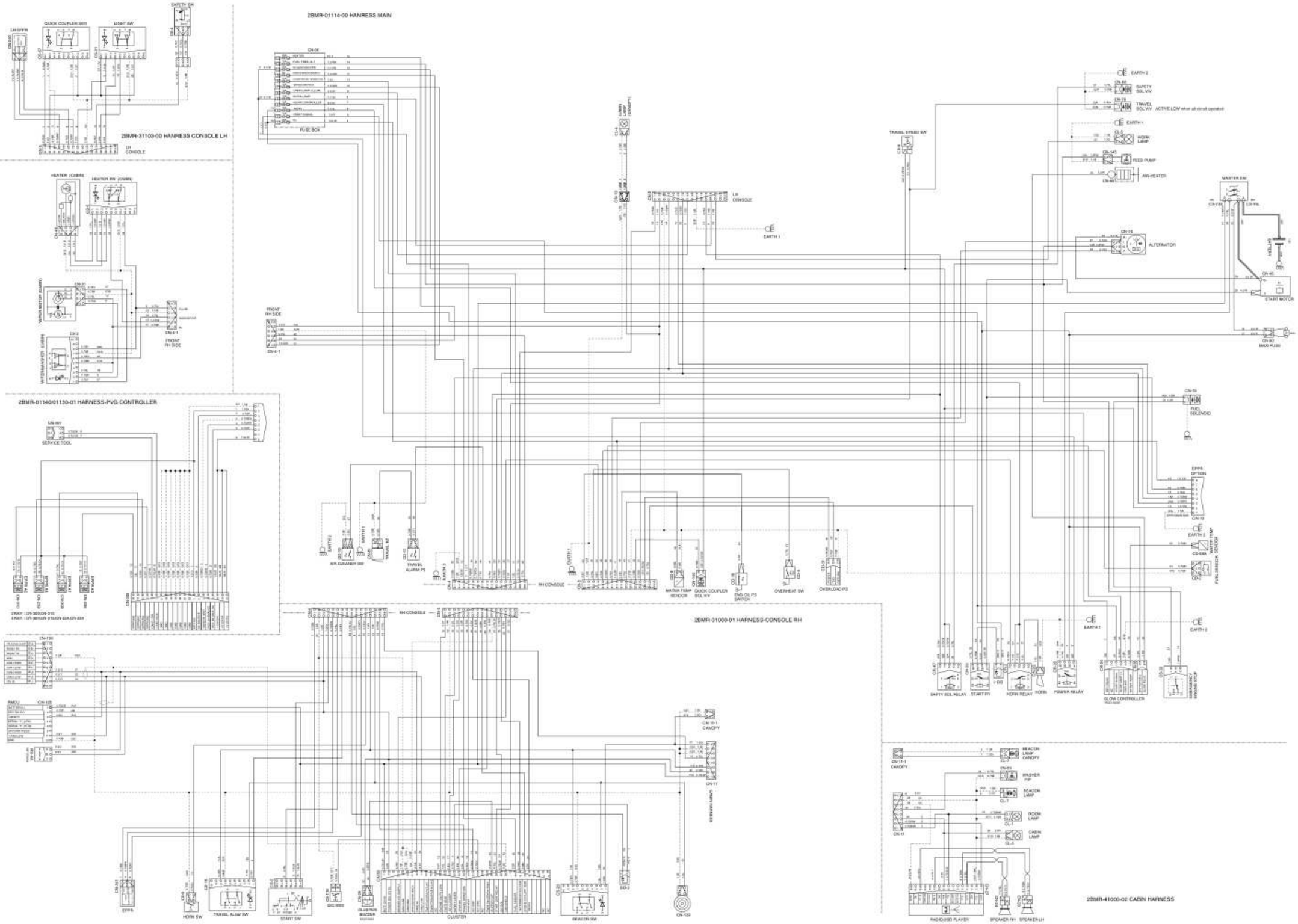
(18) Place the carrier 2 assembly into the body (101) align spline of S1 gear to the b1 gear.



(19) Place the S2 gear (109) into the carrier 2 assembly.



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