TOYOTA

REPAIR MANUAL

OPS SUPPLEMENT

7FGU35-80 / 7FDU35-80
7FGCU35-70

Pub. No. CU041

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OPS

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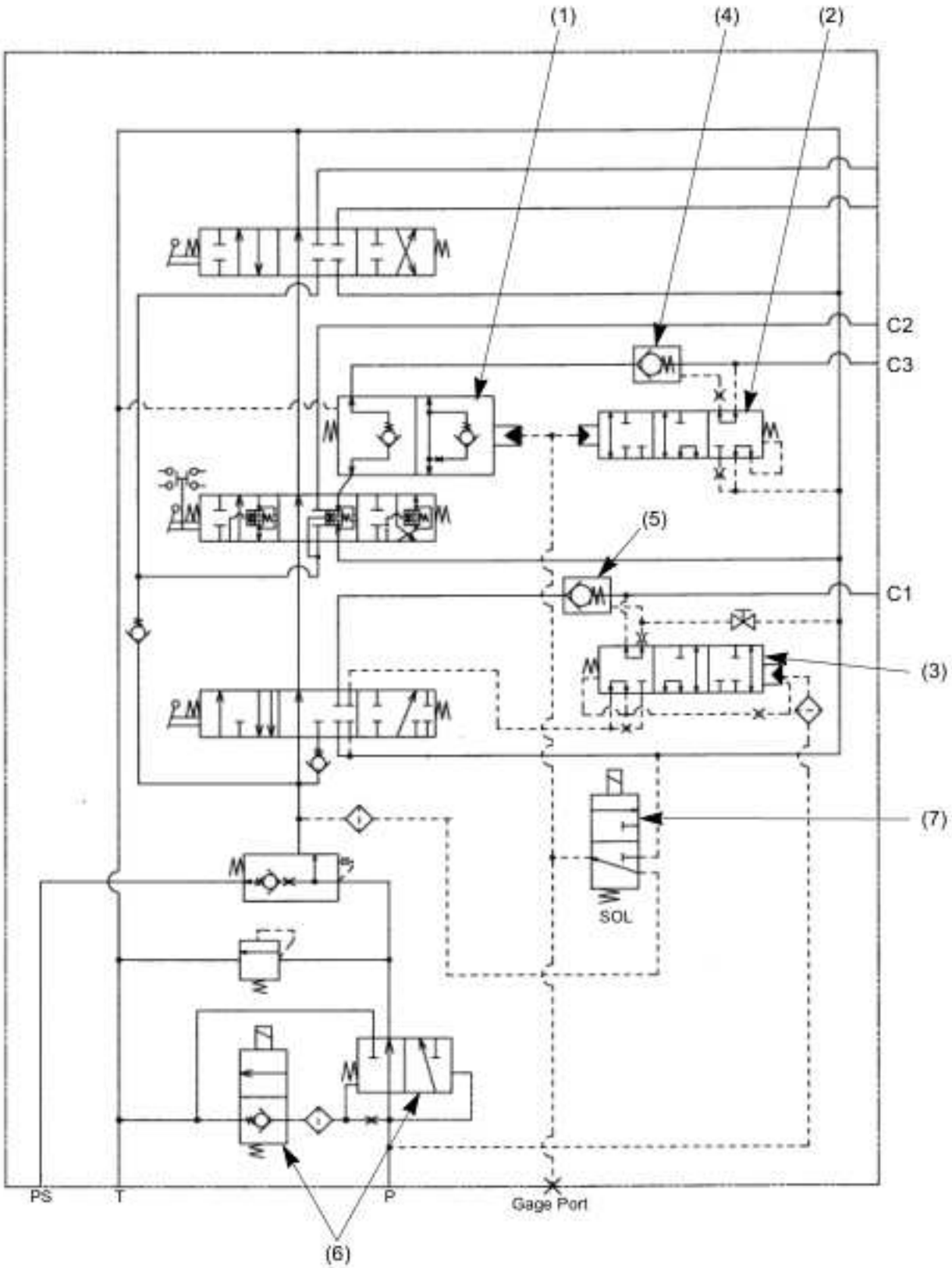
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Note:
See Section 4 (SAS) for the connector layout, controller sequence and connector diagram.

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Hydraulic Circuit Diagram



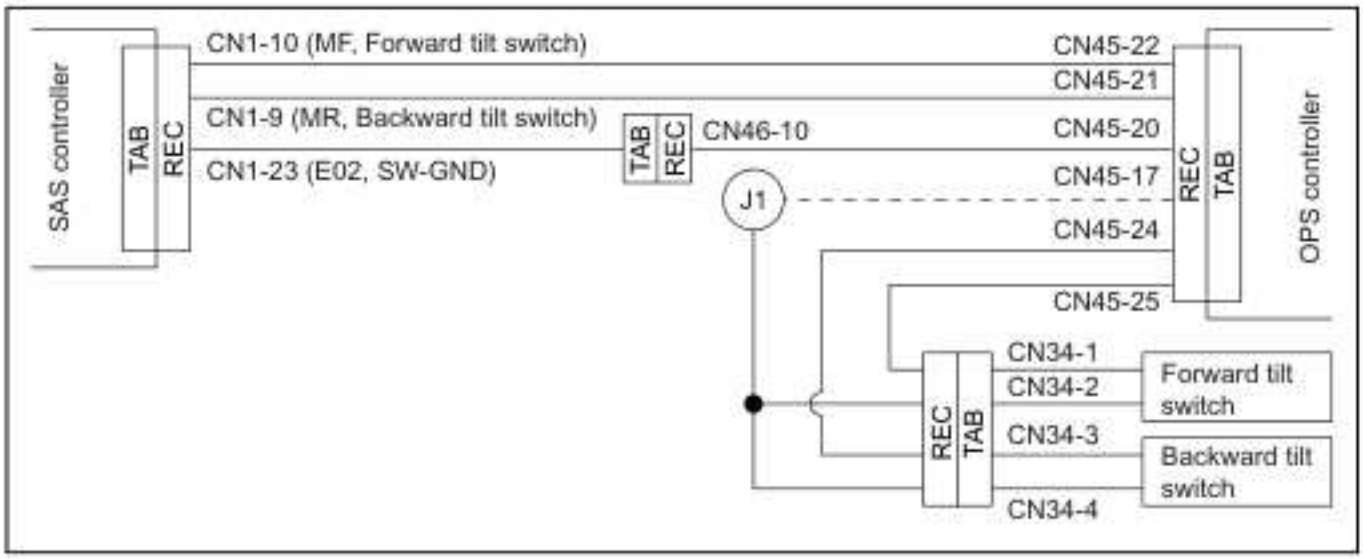
(1) Flow control valve
(2) Tilt select valve
(3) Lift select valve
(4) Tilt lock check valve (Leak lock valve)
(5) Lift lock check valve (Leak lock valve)
(6) Unloading valve & solenoid
(7) Tilt control valve & solenoid

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TROUBLESHOOTING BY ERROR CODE

- **Error code 63 (Tilt lever switch abnormality)**
- **Error code 63-1 (Both tilt lever switches ON at the same time)**
- **Error code 63-2 (Forward tilt switch 2-minute short circuit)**
- **Error code 63-3 (Backward tilt switch 2-minute short circuit)**

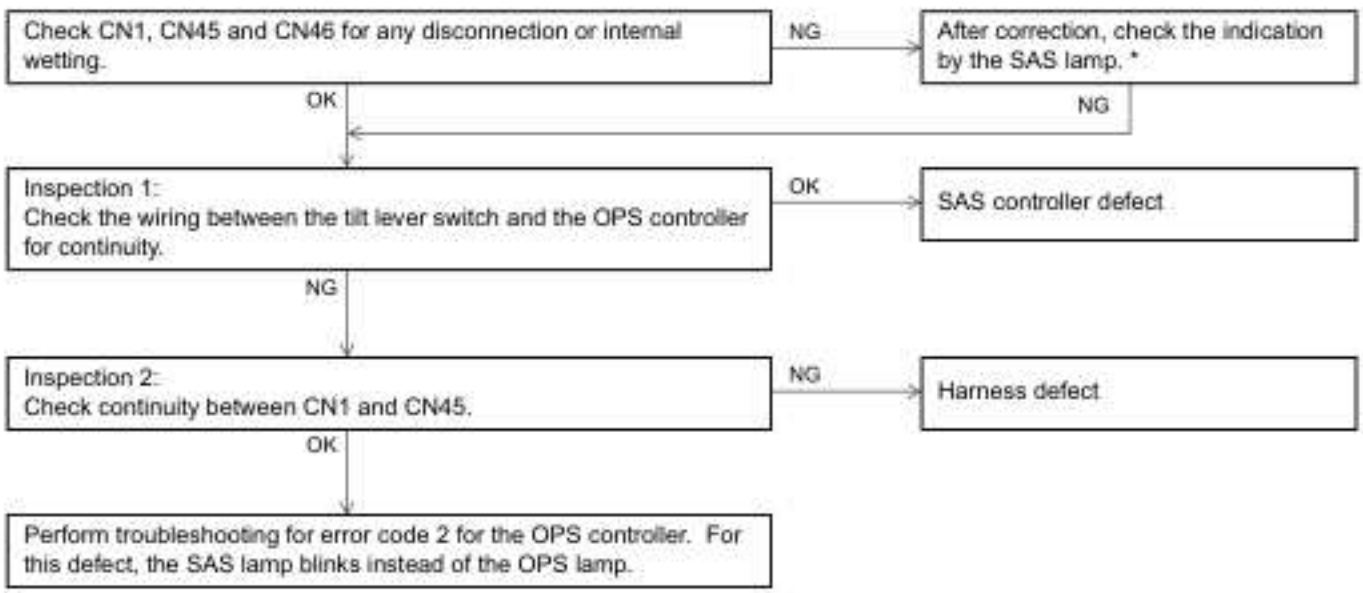
Related Portion



Estimated Causes:

① Connector contact defect
② Harness defect
③ Forward tilt switch defect
④ Backward tilt switch defect
⑤ Tilt switch installation defect
⑥ Controller defect

Error code 63



* After the key switch is turned ON, make sure that the SAS lamp is lit upon tilting forward and backward. Make sure that the 2-minute waiting OPS lamp blinks when the tilt lever is on the neutral position.

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CN47



TAB

No.	C	J
1	W	-
2	W	-



REC

No.	C	J
1	GR-G	CN45-14
2	W-B	W/ SPLICE-Z (E)

CN50



TAB

No.	C	J
1	G-W	CN60-1
2	BR	CN60-2



REC

No.	C	J
1	G-W	CN4-6
2	BR	CN65-14

CN51



TAB

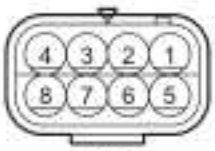
No.	C	J
1	-	-
2	-	-



REC

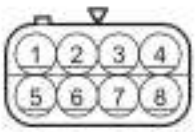
No.	C	J
1	B-R	W/SPLICE-Y (IG)
2	W-G	CN45-9

CN52



TAB

No.	C	J
1	Y-R	*
2	G	*
3	L-B	*
4	L	*
5	L-W	CN54-1
6	-	-
7	L-R	CN54-2
8	W-B	W/SPLICE-F (E)

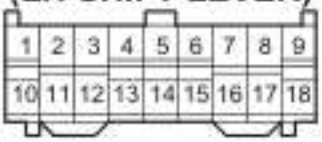


REC

No.	C	J
1	Y-R	*
2	G	*
3	R-Y	*
4	G-W	*
5	L-W	T/C FR RLY (L)
6	-	-
7	L-R	T/C RR RLY (L)
8	W-B	BODY EARTH02

CN53

(LH SHIFT LEVER)



(RH SHIFT LEVER)



REC

No.	C	J
1	R	T/C RR RLY (B)
2	R-Y	*
3	B/B-Y	*
4	-	-
5	G-R	T/C FR RLY (B)
6	L	CN6-8
7	B-W	*
8	R-G	*
9	-	-
10	-	-
11	-	-
12	-	-
13	-	-
14	-	-
15	-	-
16	-	-
17	-	-
18	-	-

CN54



TAB

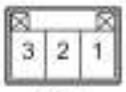
No.	C	J
1	-	FB
2	-	RB



REC

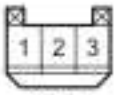
No.	C	J
1	L-W	CN52-5
2	L-R	CN52-7

CN55



TAB

No.	C	J
1	-	+
2	-	-
3	-	+

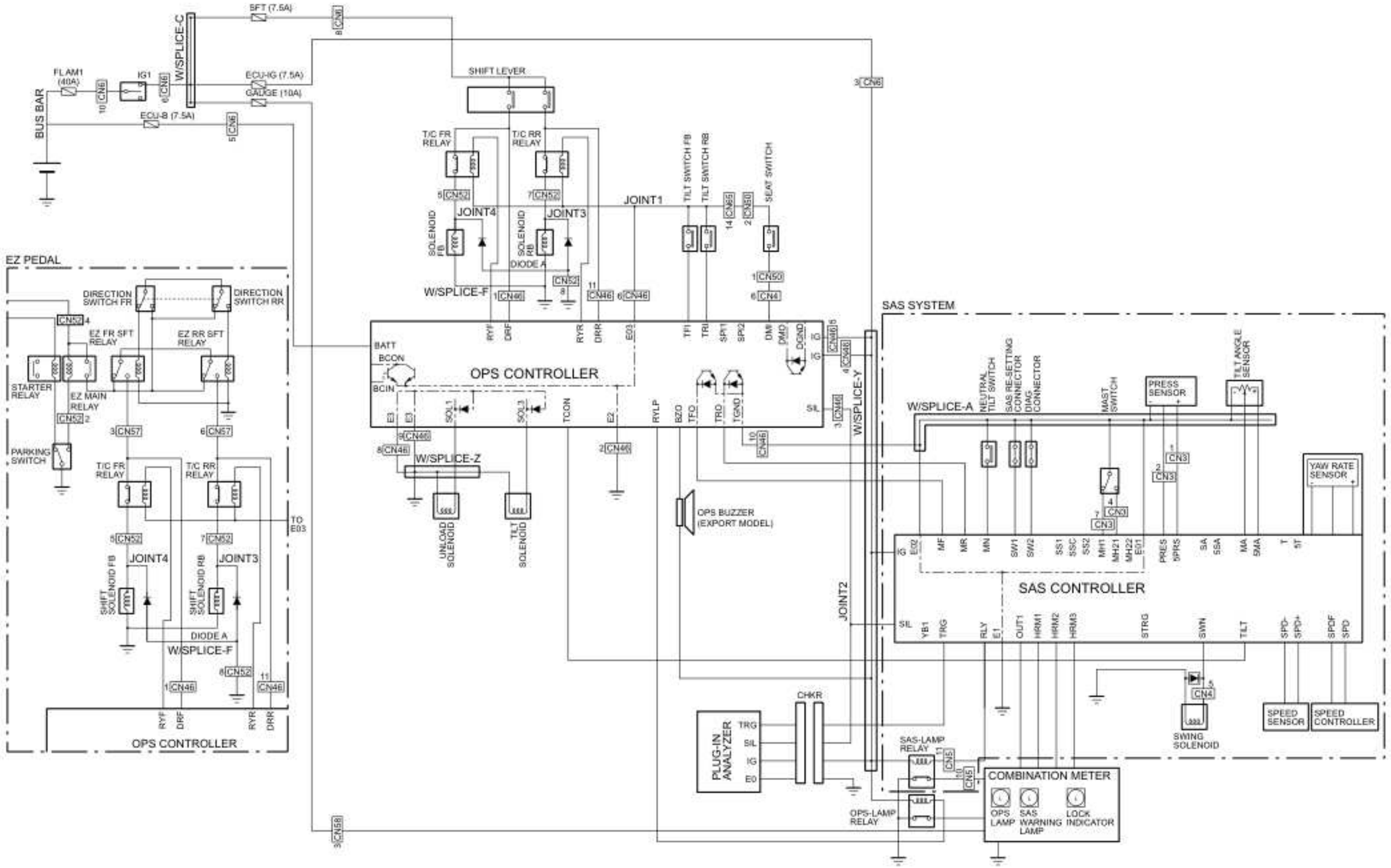


REC

No.	C	J
1	L-W	JOINT4
2	W-B	W/SPLICE-F (E)
3	L-R	JOINT3

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CONTROLLER SEQUENCE (SAS, OPS)



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