NEW HOLLAND

E385 Tier 3

NEW HOLLAND KOBELCO

Workshop
Manual

NEW HOLLAND
CONSTRUCTION
BUILT AROUND YOU

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ENGINE

Troubleshooting

Refer to the manual:

"TROUBLESHOOTING MANUAL 4HK1-6HK1 ISUZU ENGINE"

Print No. 604.13.654

Workshop

Refer to the manual:

"WORKSHOP MANUAL 4HK1-6HK1 ISUZU ENGINE"

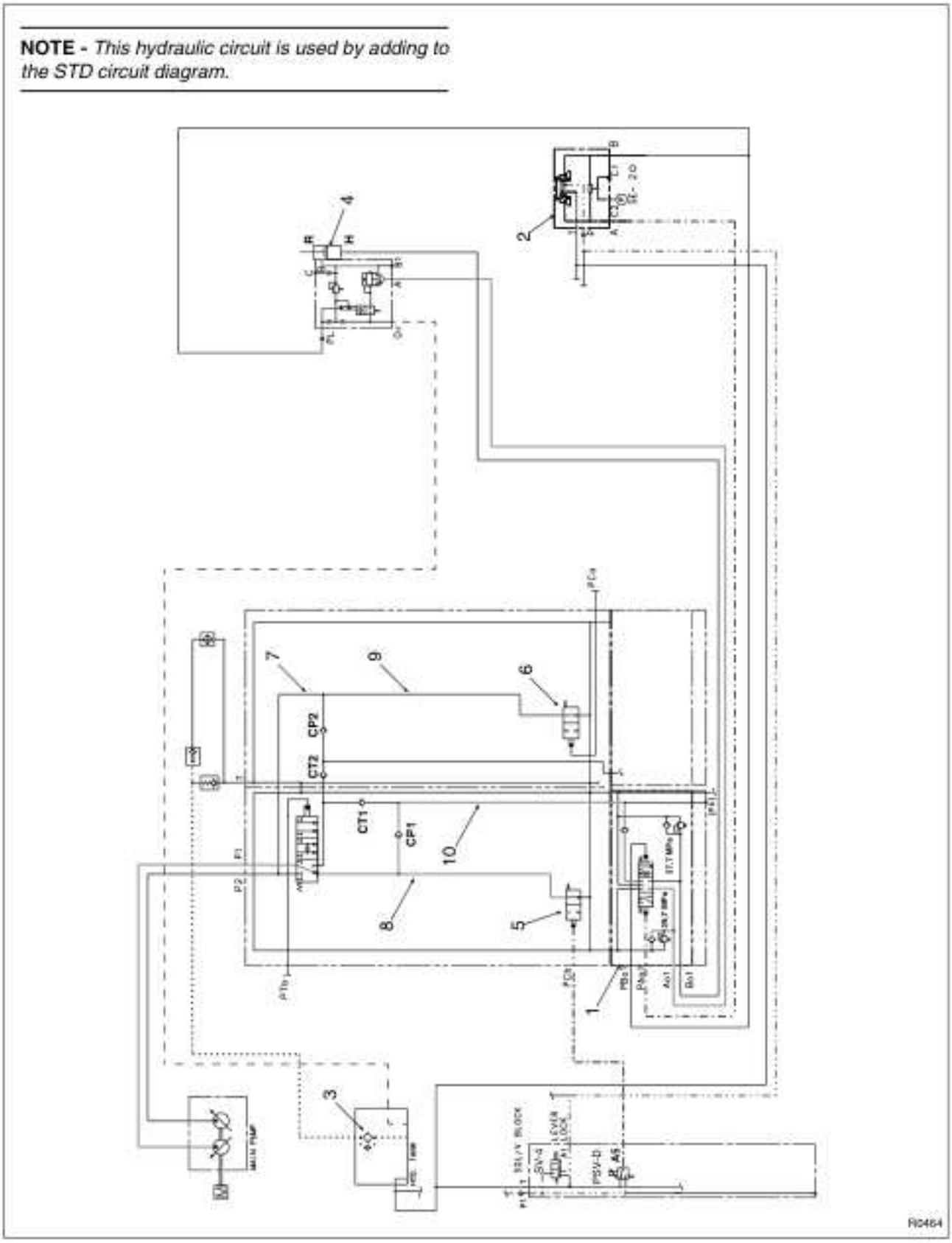
Print No. 604.13.649

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HYDRAULIC CIRCUIT

POSITIONING CIRCUIT (triple articulation version): positioning out operation

NOTE - *This hydraulic circuit is used by adding to the STD circuit diagram.*



1 - P1 opt. Control valve
2 - Pilot valve
3 - Return filter
4 - Positioner cylinder
5 - P1 bypass cut valve
6 - P2 bypass cut valve
7 - P2 main circuit
8 - P1 bypass circuit
9 - P2 bypass circuit
10 - P1 parallel circuit

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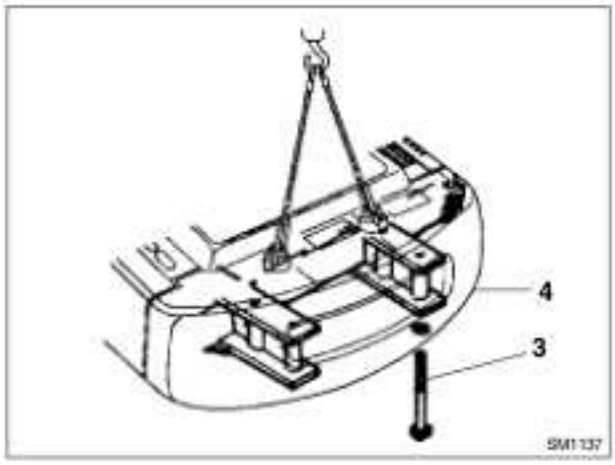
COUNTERWEIGHT

Installation of counterweight

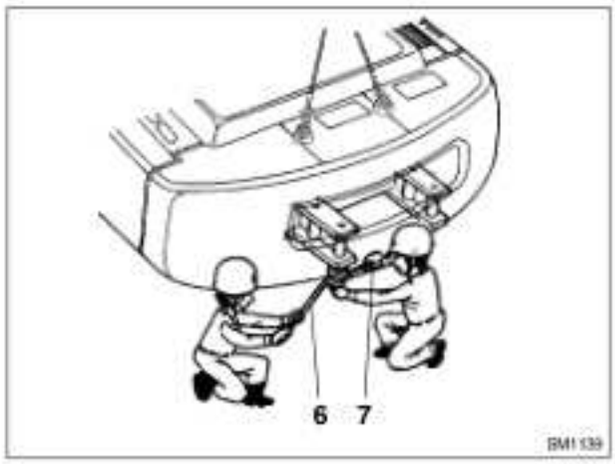
WARNING

Approx. weight of counterweight: 8350 kg

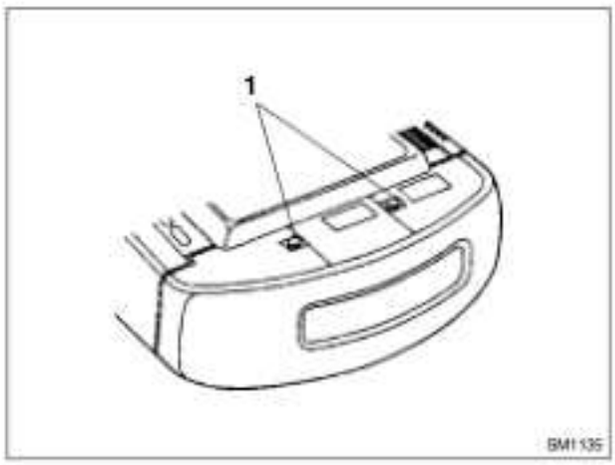
1. Attach lifting tools to counterweight.
   Lift counterweight (**4**) and install it onto the frame.
   Install bolts (**3**) and washers to counterweight and tighten temporarily.
   : 55 mm



2. Remove wire rope.
   Tighten the bolts with a power wrench (**6**) and torque wrench (**7**).
   : 55 mm
   : 2940 Nm

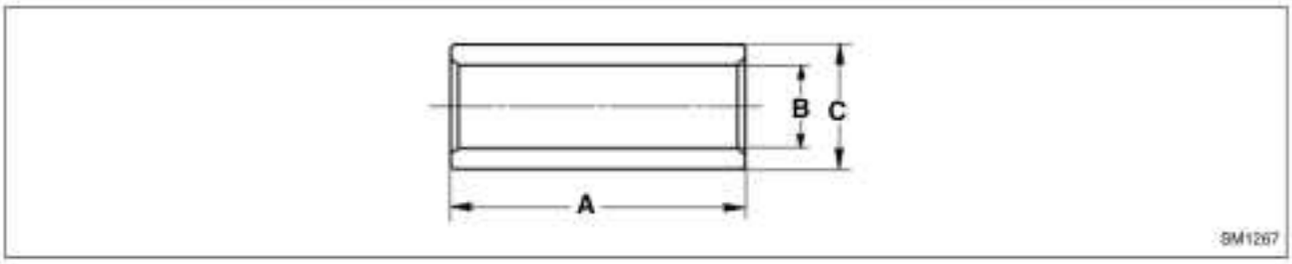


3. Remove the eye-bolts.
   Install caps (**1**) to counterweight.



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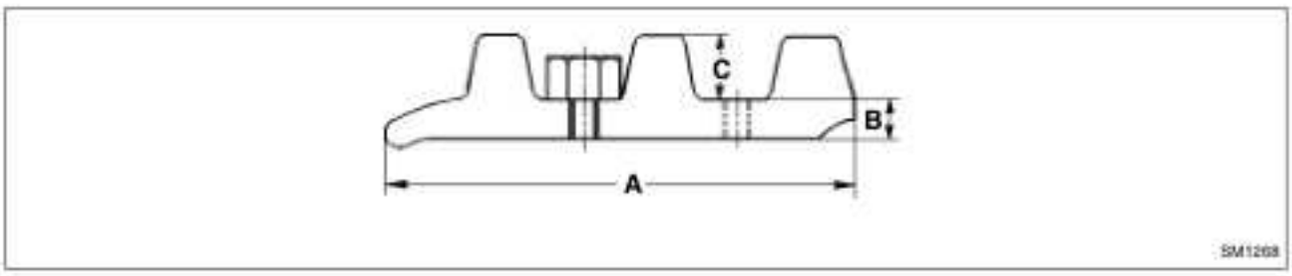
Master Bushing



Unit: mm

	Standard	Allowable Limit	Remedy
A	148.3	-	Replace
B	44.6	47.5	
C	66.5	63	

Grouser Shoe



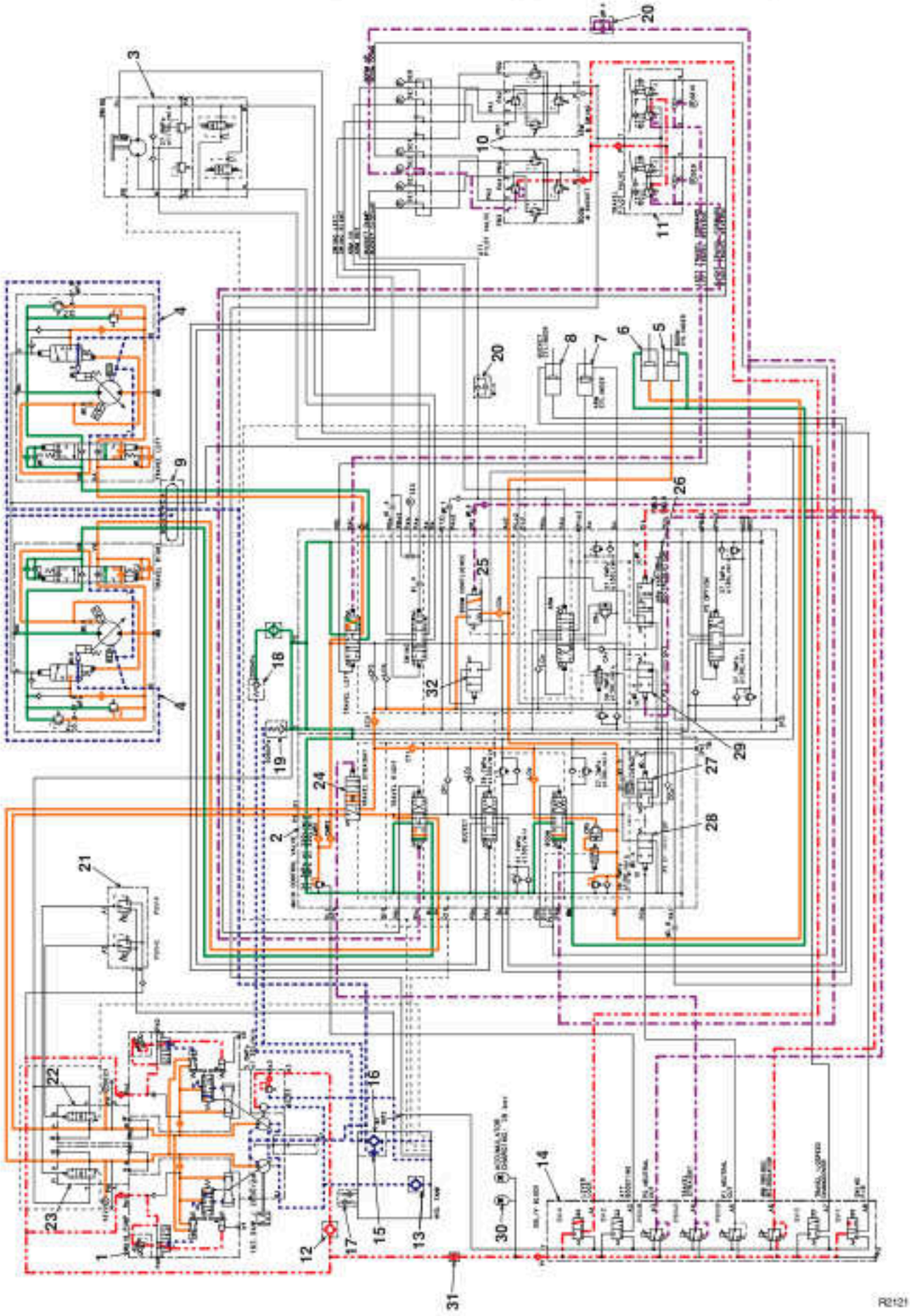
Unit: mm

	Standard	Allowable Limit	Remedy
A	247	-	Replace
B	11	-	
C	36	30	

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HYDRAULIC CIRCUIT

COMBINED OPERATION: Boom up/Travel forward 1st speed operation, travel straight function



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