Service Manual

JZ140 ZTS

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Dacromet Fasteners (mottled silver finish)

Use only where no torque setting is specified in the text.

plating process: do not lubricate.

Metric Grade 8.8 Bolts

Bolt Size	Torque Settings		
Dia	Nm	kgf m	lbf ft
M6 x 1.0	9	0.9	7
M8 x 1.25	22.5	2.3	17
M10 x 1.5	47.5	4.8	35
M12 x 1.75	80	8.2	59
M14 x 2	133	13.6	98
M16 x 2	200	20.4	148
M18 x 2.5	278	28.4	205
M20 x 2.5	392	40	289
M24 x 3	675	69	498
M30 x 3.5	1348	138	994

Metric Grade 10.9 Bolts

Bolt Size	Torque Settings		
Dia	Nm	kgf m	lbf ft
M6 x 1.0	13.5	1.4	10
M8 x 1.25	35	3.6	26
M10 x 1.5	62.5	6.4	46
M12 x 1.75	115	11.7	85
M14 x 2	175	17.9	129
M16 x 2	300	30.6	221
M18 x 2.5	395	40	291
M20 x 2.5	559	57	412
M24 x 3	962	98	710
M30 x 3.5	1920	196	1416

Metric Grade 12.9 Bolts

Bolt Size	Torque Settings		
Dia	Nm	kgf m	lbf ft
M6 x 1.0	15	1.5	11
M8 x 1.25	40	4.1	29
M10 x 1.5	80	8.2	59
M12 x 1.75	133	13.6	98
M14 x 2	225	23	166
M16 x 2	350	35.7	258
M18 x 2.5	463	47	342
M20 x 2.5	654	67	482
M24 x 3	1125	115	830
M30 x 3.5	2247	229	1657

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Shipping Weight

Approximate weight when equipped with monoboom, medium length dipper, bucket, operator and full fuel tank except where indicated otherwise.

Model	Track shoe width	Weight
JZ140	500mm	14350 kg
JZ140	600mm	14570 kg
JZ140	700mm	14780 kg
JZ140	850mm	15100 kg

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Cab Harness E

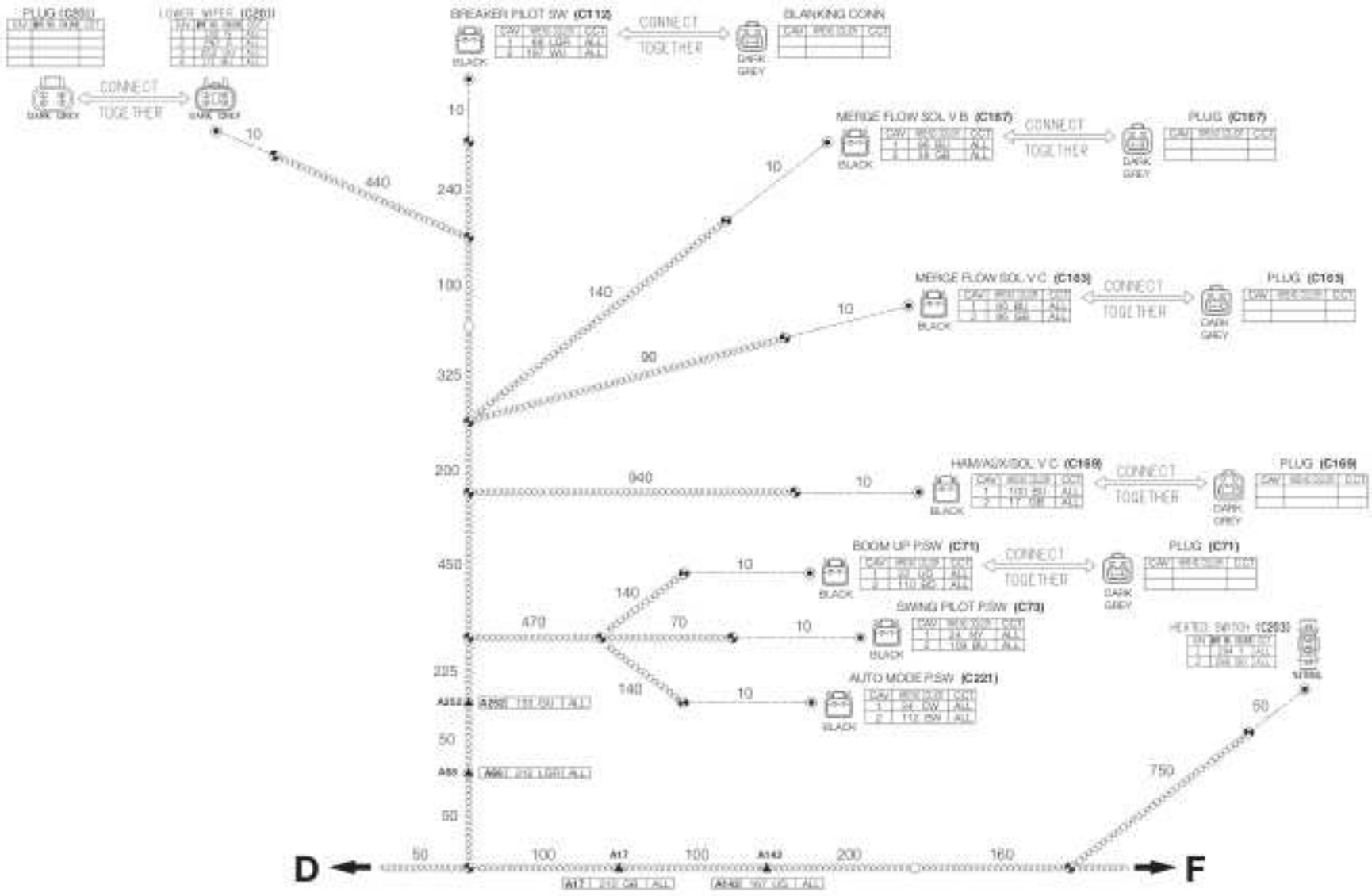


Fig 15.

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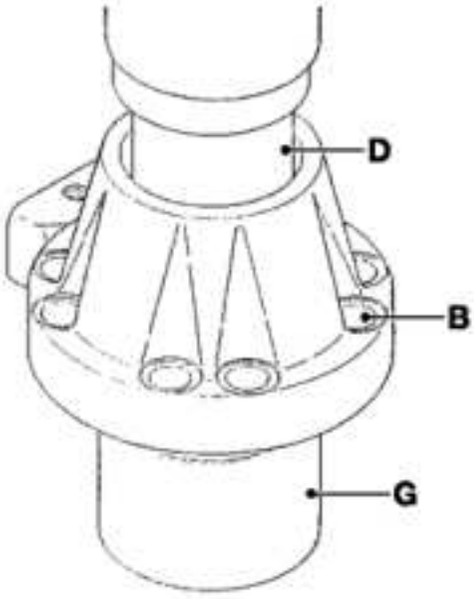


Fig 92.

9 Removing chuck assembly with bushing attached

a After removing the cylinder head assembly **93B** from under the press, remove retainer **93D** from cylinder head **93B** and, grasping both sides of the cylinder head **93B**, set aside.

b Remove chuck assembly **93A** with bushing **93H** attached and move to the work bench.

Note: *Keep the work bench clean so that no dust or foreign matter adheres to, or damages the bottom surface of the chuck or the outer periphery. Also ensure that the work bench is level.*

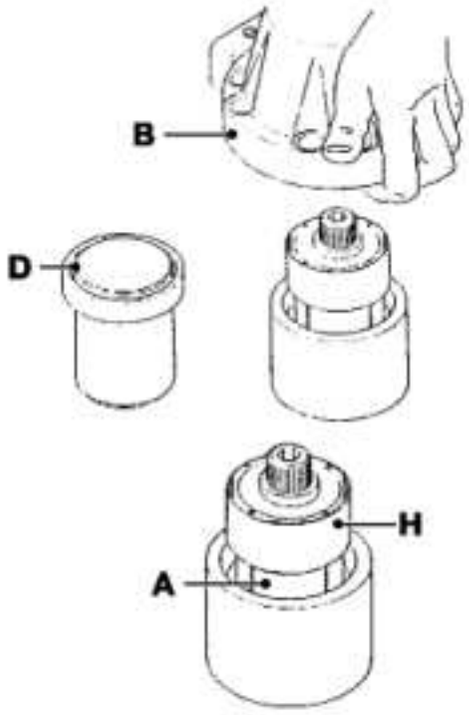


Fig 93.

10 Removing bush

a Place chuck assembly **A** with bushing **H** on the work bench horizontally and insert the Allen wrench into chuck assembly **A** adjuster head section. At the same time insert a lever into the round hole of chuck assembly **A** rear section.

b Use the lever and Allen wrench to loosen the adjuster as shown.

c Place the chuck assembly **A** vertically and turn the adjuster with your finger until the wedge rises about 5 mm.

d After confirming that bushing **H** is not touching the chuck blade section, gently remove bushing **H** from chuck assembly **A**.

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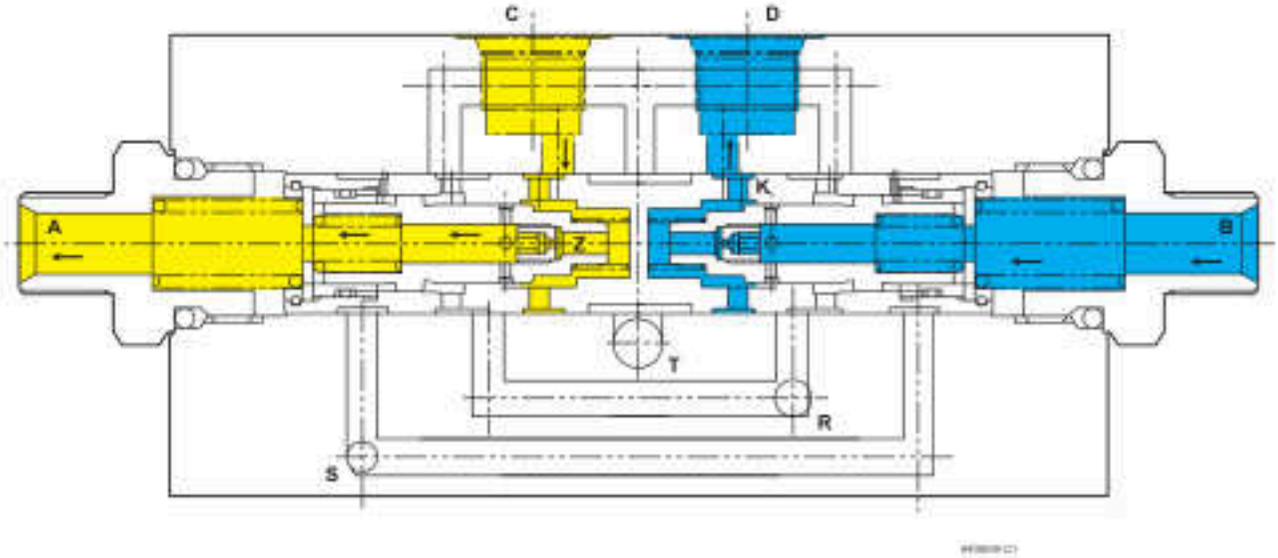


Fig 4. Cushion valve - Pressure applied to S port (Piloted Open)

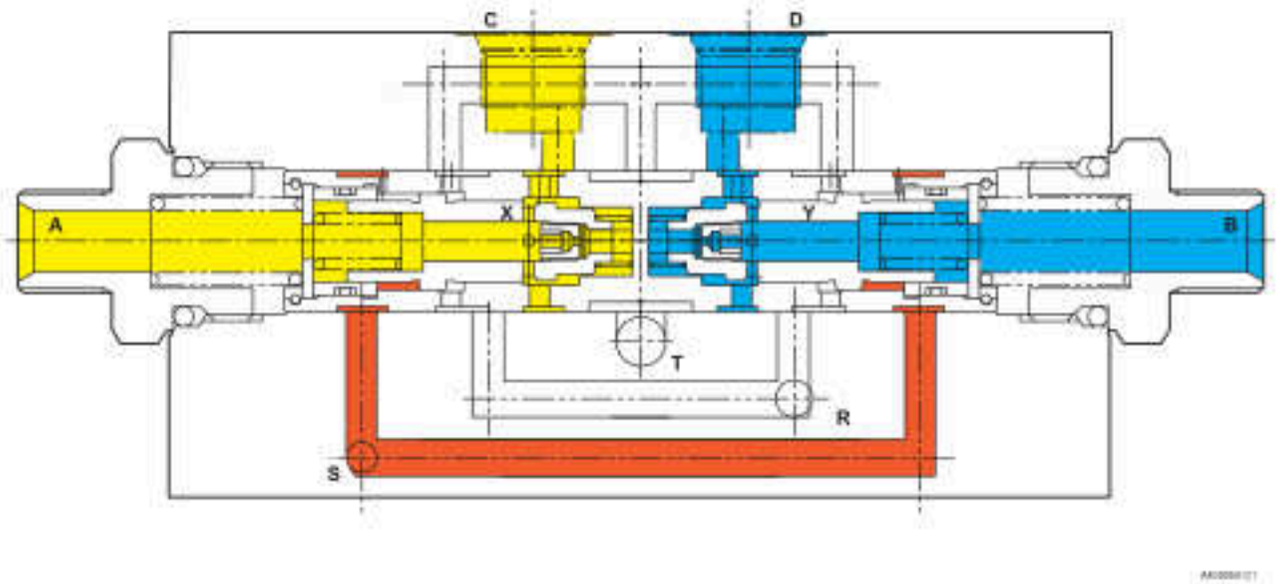


Fig 5. Cushion valve - No Pressure applied

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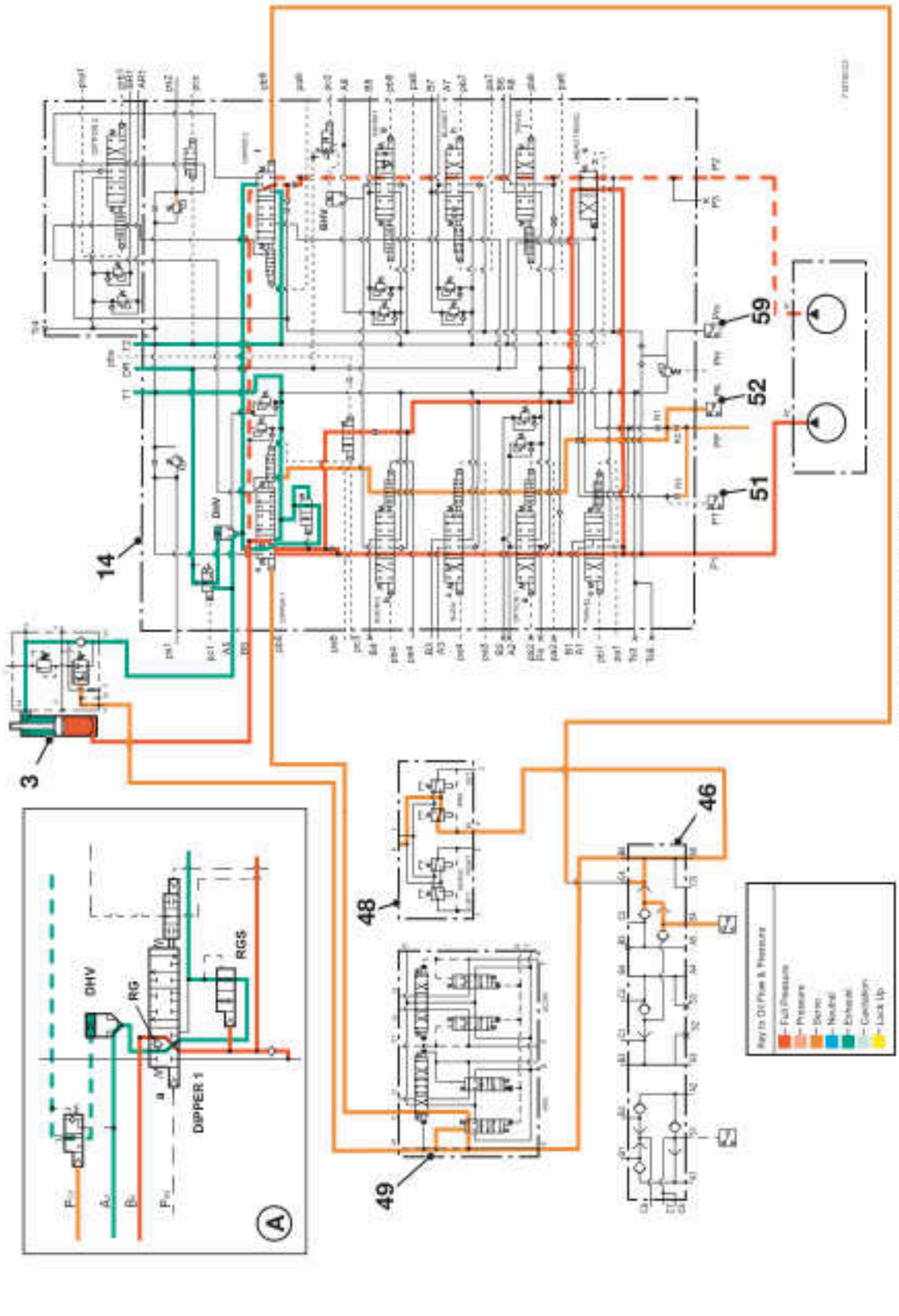


Fig 20. Dipper In Schematic

For Description, See Dipper In (E-51)

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