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# SL50W系列轮式装载机
# 零部件图册

SHANTUI

山推工程机械股份有限公司

SHANTUI CONSTRUCTION MACHINERY CO.,LTD

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# 前　言

本零件图册对SL50W 、SL50W-2、SL50W-3三种型号轮式装载机的零件进行了综合编制。

发动机所属零件，详见发动机零件目录。

因产品改进所增减的零件，恕不另行通知，以后再版时修订，请用户谅解。

# FOREWORD

This atlas includes the general parts and special parts of three models of loader SL50W, SL50W-2 and SL50W-3.

With regard to parts of engine see ″ Parts Book of Engine.″

Due to continuous research and improvement. Some parts may be changed without notice. Please consult your SHANTUI distributor for items you may require.

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# 目录

传动系统 ..... 1
DRIVE SYSTEM ..... 1
第1图 传动系统 ..... 2
FIG.1 DRIVE SYSTEM ..... 2
第2图 SL50W-3传动系统 ..... 4
FIG.2 DRIVE SYSTEM ..... 4
第3图 变矩器联接 ..... 8
FIG.3 TORQUE CONVERTER CONNECTION ..... 8
第4图 变矩器联接(配康明斯6CTA8.3-C215发动机) ..... 10
FIG.4 TORQUE CONVERTER CONNECTION(FOR CUMMINS ENGINE) ..... 10
第5图 SL50W-3变矩器联接(配潍柴WD10G220E21发动机) ..... 12
FIG.5 TORQUE CONVERTER CONNECTION(FOR WEICHAI ENGINE) ..... 12
第6图 SL50W-3变矩器联接(配上柴SC11CB220G2B1发动机) ..... 14
FIG.6 TORQUE CONVERTER CONNECTION(FOR SHANGCHAI ENGINE) ..... 14
第7图 SL50W-3变矩器联接(配康明斯6CTA8.3-C215发动机) ..... 16
FIG.7 TORQUE CONVERTER CONNECTION(FOR CUMMINS ENGINE) ..... 16
第8图 液力变矩器(370801) ..... 18
FIG.8 HYDRAULIC TORQUE CONVERTER ..... 18
第9图 YJSW315-6液力变矩器 ..... 20
FIG.9 HYDRAULIC TORQUE CONVERTER ..... 20
第10图 4WY315A液力变矩器 ..... 24
FIG.10 HYDRAULIC TORQUE CONVERTER ..... 24
第11图 变速箱箱体部件(杭州前进) ..... 28
FIG.11 GEARBOX CASE PART(HANGZHOU ADVANCE) ..... 28
第12图 变速箱一轴总成(杭州前进) ..... 30
FIG.12 GEARBOX ONE SHAFT ASSY.(HANGZHOU ADVANCE) ..... 30
第13图 变速箱二轴及行星排部件(杭州前进) ..... 32
FIG.13 GEARBOX TWO SHAFT AND PLANET LINE PART(HANGZHOU ADVANCE) ..... 32
第14图 变速箱二轴总成(杭州前进) ..... 36
FIG.14 GEARBOX TWO SHAFT ASSY.(HANGZHOU ADVANCE) ..... 36
第15图 变速箱三轴总成(杭州前进) ..... 38
FIG.15 GEARBOX THREE SHAFT ASSY.(HANGZHOU ADVANCE) ..... 38
第16图 变速箱四轴总成(杭州前进) ..... 40
FIG.16 GEARBOX FOUR SHAFT ASSY.(HANGZHOU ADVANCE) ..... 40
第17图 变速箱齿轮泵(杭州前进) ..... 42
FIG.17 GEARBOX GEAR PUMP(HANGZHOU ADVANCE) ..... 42

https://truckmanualshub.com/



第18图 变速箱油底壳(杭州前进)..... 44
FIG.18 GEARBOX OIL SUMP TANK(HANGZHOU ADVANCE)..... 44
第19图 变速箱总成1(370801)..... 46
FIG.19 GEARBOX ASSEMBLY 1..... 46
第20图 变速箱总成2(370801)..... 48
FIG.20 GEARBOX ASSEMBLY 2..... 48
第21图 变速箱总成3（370801）..... 52
FIG.21 GEARBOX ASSEMBLY 3..... 52
第22图 4WG180变速箱箱体部件..... 56
FIG.22 FIG.5 GEARBOX CASE PART..... 56
第23图 4WG180变速箱输出部件..... 58
FIG.23 GEARBOX OUTPUT PART..... 58
第24图 4WG180变速箱操纵部件..... 60
FIG.24 GEARBOX CONTROL PART..... 60
第25图 4WG180变速箱惰轮部件..... 62
FIG.25 GEARBOX IDLER PART..... 62
第26图 4WG180变速箱停车制动部件..... 64
FIG.26 GEARBOX PARK BRAKE PART..... 64
第27图 4WG180变速箱压力阀部件..... 66
FIG.27 GEARBOX PRESSURE VALVE PART..... 66
第28图 4WG180变速箱吸油管部件..... 68
FIG.28 GEARBOX OIL SUCTION PIPE PART..... 68
第29图 4WG180变速箱传感器部件..... 70
FIG.29 GEARBOX SENSOR PART..... 70
第30图 4WG180变速箱发动机连接部件..... 72
FIG.30 GEARBOX ENGINE CONNECT PART..... 72
第31图 4WG180变速箱加油管部件..... 74
FIG.31 GEARBOX OIL FILLING PIPE PART..... 74
第32图 4WG180变速箱滤油器部件..... 76
FIG.32 FIG.15 Gearbox Oil-filter Part..... 76
第33图 4WG180变速箱KV+K1离合器部件一..... 78
FIG.33 KV+K1 CLUTCH PART1..... 78
第34图 4WG180变速箱KR+K2离合器部件..... 82
FIG.34 KR+K2 CLUTCH PART2..... 82
第35图 4WG180变速箱K3+K4离合器部件三..... 86
FIG.35 K3+K4 CLUTCH PART3..... 86
第36图 4WG180变速箱取力器部件一..... 90
FIG.36 GEARBOX PTO PART 1..... 90

https://truckmanualshub.com/



第37图 4WG180变速箱取力器部件二 ..... 92
FIG.37 GEARBOX PTO PART 2 ..... 92
第38图 4WG180变速箱操纵阀部件 ..... 94
FIG.38 Gearbox Control Valve Part ..... 94
第39图 4WG180变速箱输入部件 ..... 98
FIG.39 Gearbox Input Part ..... 98
第40图 变速操纵系统 ..... 100
FIG.40 GEARSHIFT CONTROL SYSTEM ..... 100
第41图 ZL50M 驱动桥总成 ..... 102
FIG.41 DRIVE AXLE ASSEMBLY ..... 102
第42图 ZL50M主传动总成 ..... 104
FIG.42 MAIN TRANSMISSION ASSEMBLY ..... 104
第43图 ZL50M轮边总成 ..... 108
FIG.43 PLANETARY ASSEMBLY ..... 108
第44图 ZL50M制动钳总成 ..... 112
FIG.44 BRAKE ASSEMBLY ..... 112
第45图 驱动桥总成(370801) ..... 114
FIG.45 DRIVE AXLE ASSEMBLY ..... 114
第46图 主传动总成(370801) ..... 116
FIG.46 MAIN TRANSMISSION ASSEMBLY ..... 116
第47图 轮边总成(370801) ..... 120
FIG.47 PLANETARY ASSEMBLY ..... 120
第48图 制动钳总成(370801) ..... 124
FIG.48 BRAKE ASSEMBLY ..... 124
第49图 C216BRA前桥总成 ..... 126
FIG.49 FRONT AXLE ASSEMBLY ..... 126
第50图 C216BSA 后桥总成 ..... 128
FIG.50 REAR AXLE ASSEMBLY ..... 128
第51图 桥壳总成 ..... 130
FIG.51 HOUSING ASSEMBLY ..... 130
第52图 主减速器总成 ..... 132
FIG.52 CARRIER ASSEMBLY ..... 132
第53图 差速器总成 ..... 134
FIG.53 Diff. Assembly ..... 134
第54图 轮边减速器总成 ..... 136
FIG.54 PLANETARY ASSEMBLY ..... 136
第55图 制动器总成 ..... 140
FIG.55 BRAKE ASSEMBLY ..... 140

https://truckmanualshub.com/



第56 轮胎轮辋总成 ..... 142
FIG.56 TYRE ＆RIM ASSEMBLY ..... 142

制动系统 ..... 145
BRAKE SYSTEM ..... 145
第57图 前桥制动管路 ..... 146
FIG.57 FRONT AXLE BRAKE PIPING ..... 146
第58图 手制动管路 ..... 148
FIG.58 HAND BRAKE PIPING ..... 148
第59图 后桥制动管路 ..... 150
FIG.59 REAR AXLE BRAKE PIPING ..... 150
第60图 XZ60空气加力泵 ..... 154
FIG.60 AIR BOOSTING PUMP ..... 154
第61图 XM60空气加力泵 ..... 156
FIG.61 AIR BOOSTING PUMP ..... 156
第62图 储气筒总成 ..... 158
FIG.62 AIR CYLINDER ASSEMBLY ..... 158

行车液压系统 ..... 161
TRANSMISSION HYDRAULIC SYSTEM ..... 161
第63图 行车液压系统 ..... 162
FIG.63 TRANSMISSION HYDRAULIC SYSTEM ..... 162
第64图 SL50W-3 行车液压系统 ..... 166
FIG.64 TRANSMISSION HYDRAULIC SYSTEM ..... 166
第65图 滤清器总成(新乡美林) ..... 168
FIG.65 FILTER ASSEMBLY(XIN XIANG MEILIN) ..... 168
第66图 滤清器总成(徐州新星) ..... 170
FIG.66 FILTER ASSEMBLY(XUZHOU XINXING) ..... 170

转向系统 ..... 173
STEERING SYSTEM ..... 173
第67图 转向缸管路 ..... 174
FIG.67 STEERING CYLINDER PIPING ..... 174
第68图 转向器管路 ..... 176
FIG.68 STEERING DEVICE PIPING ..... 176
第69图 SL50W转向泵/卸荷阀管路 ..... 178
FIG.69 STEERING PUMP/UNLOADING VALVE PIPING ..... 178
第70图 SL50W-2转向泵/优先阀管路 ..... 182
FIG.70 STEERING PUMP/ PRIORITY VALVE PIPING ..... 182

https://truckmanualshub.com/



第71图 SL50W-3转向泵/优先阀管路.....186
FIG.71 STEERING PUMP/ PRIORITY VALVE PIPING.....186
第72图 转向油缸(370901).....190
FIG.72 STEERING CYLINDER.....190
第73图 优先卸荷阀.....192
FIG.73 PRIORITY UNLOADING VALVE.....192

工作装置液压系统.....195
WORKING DEVICE HYDRAULIC SYSTEM.....195
第74图 翻斗缸管路.....196
FIG.74 TIPPING CYLINDER PIPING.....196
第75图 举升缸管路.....198
FIG.75 LIFTING CYLINDER PIPING.....198
第76图 举升缸管路(先导).....202
FIG.76 LIFTING CYLINDER PIPING(PILOT).....202
第77图 SL50W多路阀/工作泵管路.....206
FIG.77 MULTIPLE UNIT VALVE /WORK PUMP PIPING.....206
第78图 SL50W-2多路阀/工作泵管路.....210
FIG.78 MULTIPLE UNIT VALVE/WORK PUMP PIPING.....210
第79图 SL50W-3多路阀/工作泵管路.....214
FIG.79 MULTIPLE UNIT VALVE/WORK PUMP PIPING.....214
第80图 SL50W-3多路阀/工作泵管路(先导).....218
FIG.80 MULTIPLE UNIT VALVE/WORK PUMP PIPING(PILOT).....218
第81图 先导阀管路.....222
FIG.81 PILOT VALVE PIPING.....222
第82图 翻斗油缸(370901).....226
FIG.82 TIPPING CYLINDER.....226
第83图 举升油缸(370901).....228
FIG.83 LIFTING CYLINDER.....228
第84图 HDF32多路阀.....230
FIG.84 MULTIPLE UNIT VALVE.....230
第85图 JDF32多路阀.....232
FIG.85 MULTIPLE UNIT VALVE.....232
第86图 KF32多路阀.....234
FIG.86 MULTIPLE UNIT VALVE.....234
第87图 DXS单手柄先导阀.....236
FIG.87 SINGLE HANDLE PILOT VALVE.....236
第88图 DJS双手柄先导阀.....238
FIG.88 DOUBLE HANDLE PILOT VALVE.....238

https://truckmanualshub.com/



第89图 D32液控多路阀.....240
FIG.89 FIG. HYDRAULIC CONTROL MULTIPLE UNIT VALVE.....240
第90图 YDF32液控多路阀.....242
FIG.90 HYDRAULIC CONTROL MULTIPLE UNIT VALVE.....242
第91图 工作阀操纵系统.....244
FIG.91 WORK VALVE CONTROL SYSTEM.....244
第92图 机油箱总成.....246
FIG.92 ENGINE TANK ASSEMBLY.....246

动力系统.....249
POWER SYSTEM.....249
第93图 发动机装置(配潍柴发动机).....250
FIG.93 ENGINE DEVICE(FOR WEICHAI ENGINE).....250
第94图 发动机装置(配上柴SC11CB220G2B1发动机).....254
FIG.94 ENGINE DEVICE(FOR SHANGCHAI ENGINE).....254
第95图 发动机装置(配康明斯6CTA8.3-C215发动机).....258
FIG.95 ENGINE DEVICE(FOR CUMMINS ENGINE).....258
第96图 燃油箱总成.....262
FIG.96 FUEL TANK ASSEMBLY.....262

工作装置及车架.....265
WORKING DEVICE & FRAME.....265
第97图 工作装置总成.....266
FIG.97 WORK DEVICE ASSEMBLY.....266
第98图 铲斗总成.....270
FIG.98 BUCKET ASSEMBLY.....270
第99图 前车架总成.....272
FIG.99 FRONT FRAME ASSEMBLY.....272
第100图 后车架总成.....276
FIG.100 REAR FRAME ASSEMBLY.....276

驾驶室和覆盖件.....281
CAB AND ACCESSORIES.....281
第101图 驾驶室总成.....282
FIG.101 CAB ASSEMBLY.....282
第102图 SDC驾驶室总成.....284
FIG.102 CAB ASSEMBLY.....284
第103图 SDC内饰件总成.....286
FIG.103 DECORATION ASSEMBLY.....286

https://truckmanualshub.com/



第104图 车体布置 ..... 288
FIG.104 BODYWORK COLLOCATION ..... 288
第105图 地板总成 ..... 290
FIG.105 FLOOR ASSEMBLY ..... 290
第106图 前罩 ..... 292
FIG.106 FRONT HOOD ..... 292
第107图 后罩 ..... 294
FIG.107 REAR HOOD ..... 294
第108图 发动机罩主体 ..... 296
FIG.108 ENGINE HOOD ASSEMBLY ..... 296

操 纵 台 及 电 器 仪 表 ..... 299
CONTROL PANNEL AND ELECTRIC INSTRUMENT ..... 299
第109图 空调系统(配潍柴发动机) ..... 300
FIG.109 AIR CONDITIONER SYSTEM(FOR WEICHAI ENGINE) ..... 300
第110图 空调系统(配上柴SC11CB220G2B1发动机) ..... 304
FIG.110 AIR CONDITIONER SYSTEM(FOR SHANGCHAI ENGINE) ..... 304
第111图 空调系统(配康明斯6CTA8.3-C215发动机) ..... 308
FIG.111 AIR CONDITIONER SYSTEM(FOR CUMMINS ENGINE) ..... 308
第112图 暖风系统(配潍柴发动机) ..... 312
FIG.112 WARM BRAW SYSTEM(FOR WEICHAI ENGINE) ..... 312
第113图 暖风系统(配上柴SC11CB220G2B1发动机) ..... 314
FIG.113 WARM BRAW SYSTEM(FOR SHANGCHAI ENGINE) ..... 314
第114图 暖风系统(配康明斯6CTA8.3-C215发动机) ..... 316
FIG.114 WARM BRAW SYSTEM(FOR CUMMINS ENGINE) ..... 316
第115图 电气系统 ..... 318
FIG.115 ELECTRICAL SYSTEM ..... 318
第116图 SL50W-3电气系统 ..... 324
FIG.116 ELECTRICAL SYSTEM ..... 324
第117图 仪表台(徐州思达) ..... 330
FIG.117 INSTRUMENT DESK(Xuzhou SIDA) ..... 330
第118图 仪表台(江苏华骋) ..... 332
FIG.118 INSTRUMENT DESK (Jiangsu HUACHENG) ..... 332

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# 传 动 系 统

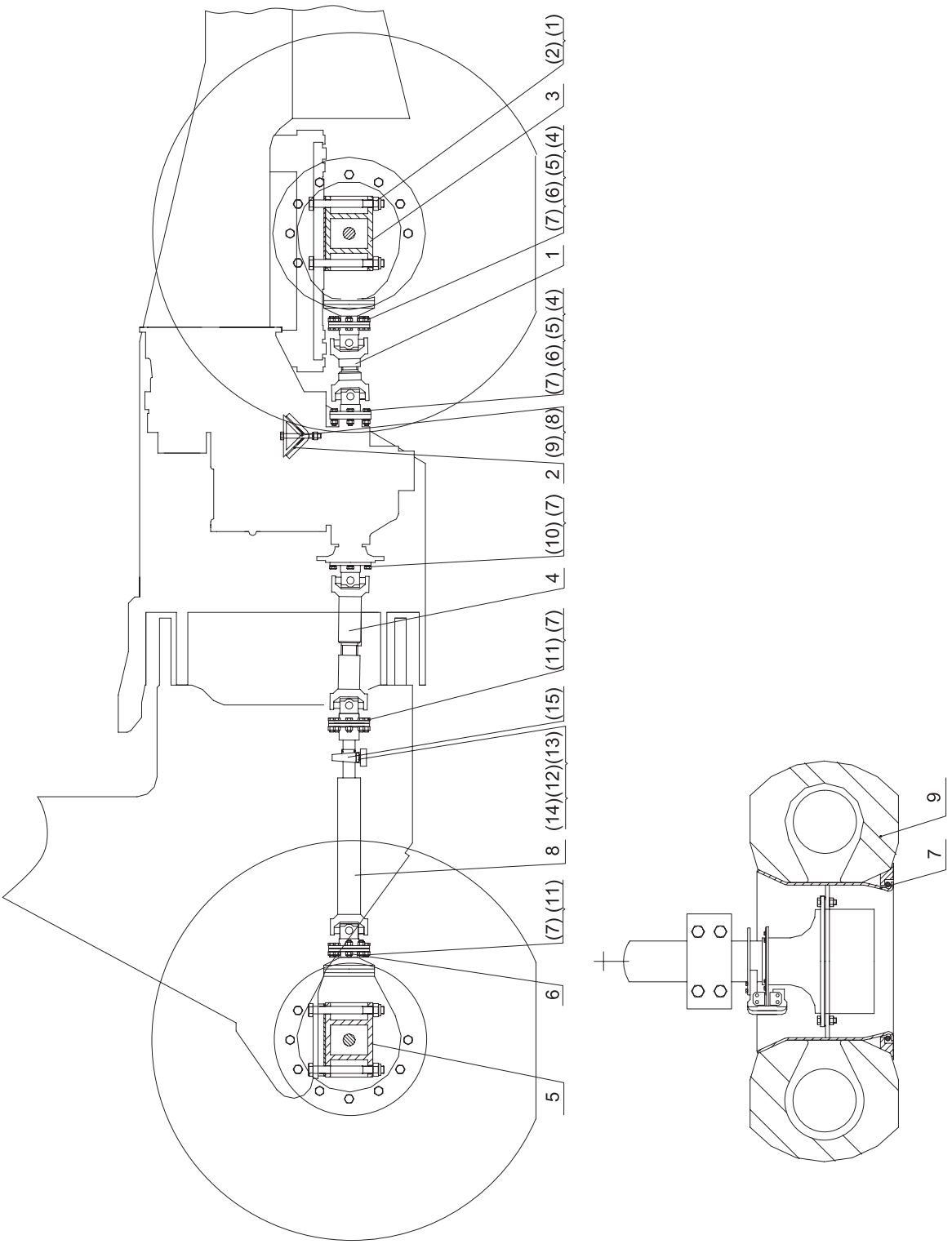
# DRIVE SYSTEM

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# 第1图 传动系统

# FIG.1 DRIVE SYSTEM



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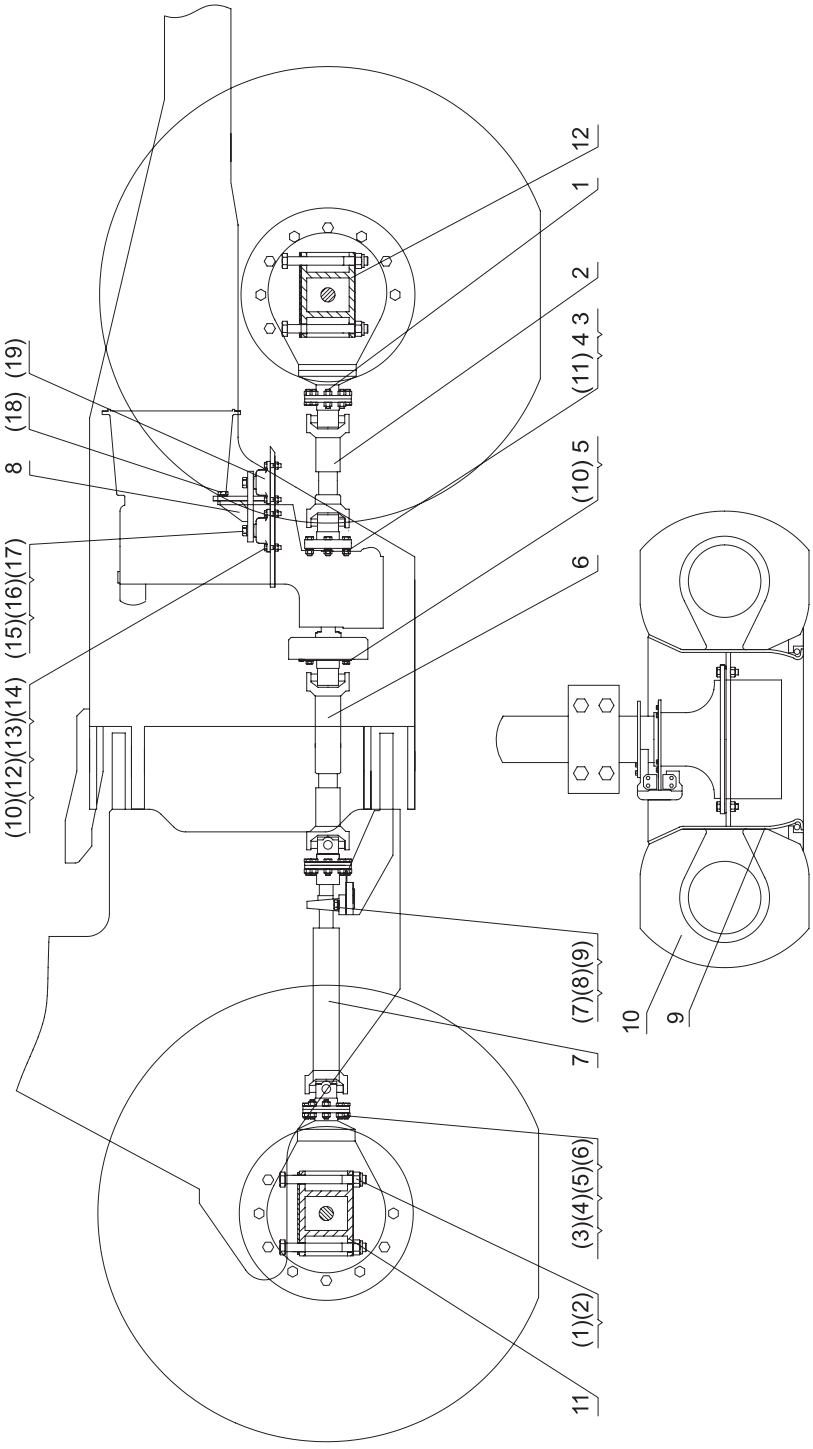
| 序号 NO. | 部件号 PART NO. | 零件名称 PART NAME | | 数量 Q'TY |
|---|---|---|---|---|
| 1 | ZL50G3-04001 | 后传动轴总成 | Rear drive shaft assy. | 1 |
| 2 | ZL50G3-04002 | 变速箱减震垫 | Gearbox damper pad | 2 |
| 3 | ZL50G2-04200 | 后驱动桥 | Rear drive axle | 1 |
| 4 | ZL50G3-04004 | 中间传动轴总成 | Middle drive shaft assy. | 1 |
| 5 | ZL50G2-04100 | 前驱动桥 | Front drive axle | 1 |
| 6 | ZL50G2-04001 | 双头螺柱 | Double-screw bolt | 4 |
| 7 | ZL50G2-04008 | 轮辋总成 | Rim assy. | 4 |
| 8 | ZL50G3-04009 | 前传动轴总成 | Front drive shaft assy. | 1 |
| 9 | ZL50G2-04010 | 轮胎总成23.5-25-16PR | Tyre assy. | 4 |
| | | | | |
| (1) | GB889 M30×2 | 螺母 M30×2 | Nut | 16 |
| (2) | GB5785 M30×2×270 | 螺栓 M30×2×270 | Bolt | 16 |
| (4) | GB95 16 | 平垫16 | Flat washer | 8 |
| (5) | GB6171 M16×1.5 | 螺母 M16×1.5 | Nut | 36 |
| (6) | GB5785 M16×1.5×50 | 螺栓 M16×1.5×50 | Bolt | 16 |
| (7) | GB93 16 | 弹垫16 | Spring washer | 44 |
| (8) | GB5782 M18×1.5×140 | 螺栓 M18×1.5×140 | Bolt | 2 |
| (9) | GB889 M18×1.5 | 螺母 M18×1.5 | Nut | 2 |
| (10) | GB5786 M16×1.5×35 | 螺栓 M16×1.5×35 | Bolt | 8 |
| (11) | GB5785 M16×1.5×45 | 螺栓 M16×1.5×45 | Bolt | 12 |
| (12) | GB93 20 | 弹垫20 | Spring washer | 2 |
| (13) | GB5783 M20×55 | 螺栓 M20×55 | Bolt | 2 |
| (14) | GB95 20 | 垫圈20 | Washer | 2 |
| (15) | UCP212 | 立式座轴承 | Bearing | 1 |

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# 第2图 SL50W-3传动系统

# FIG.2 DRIVE SYSTEM



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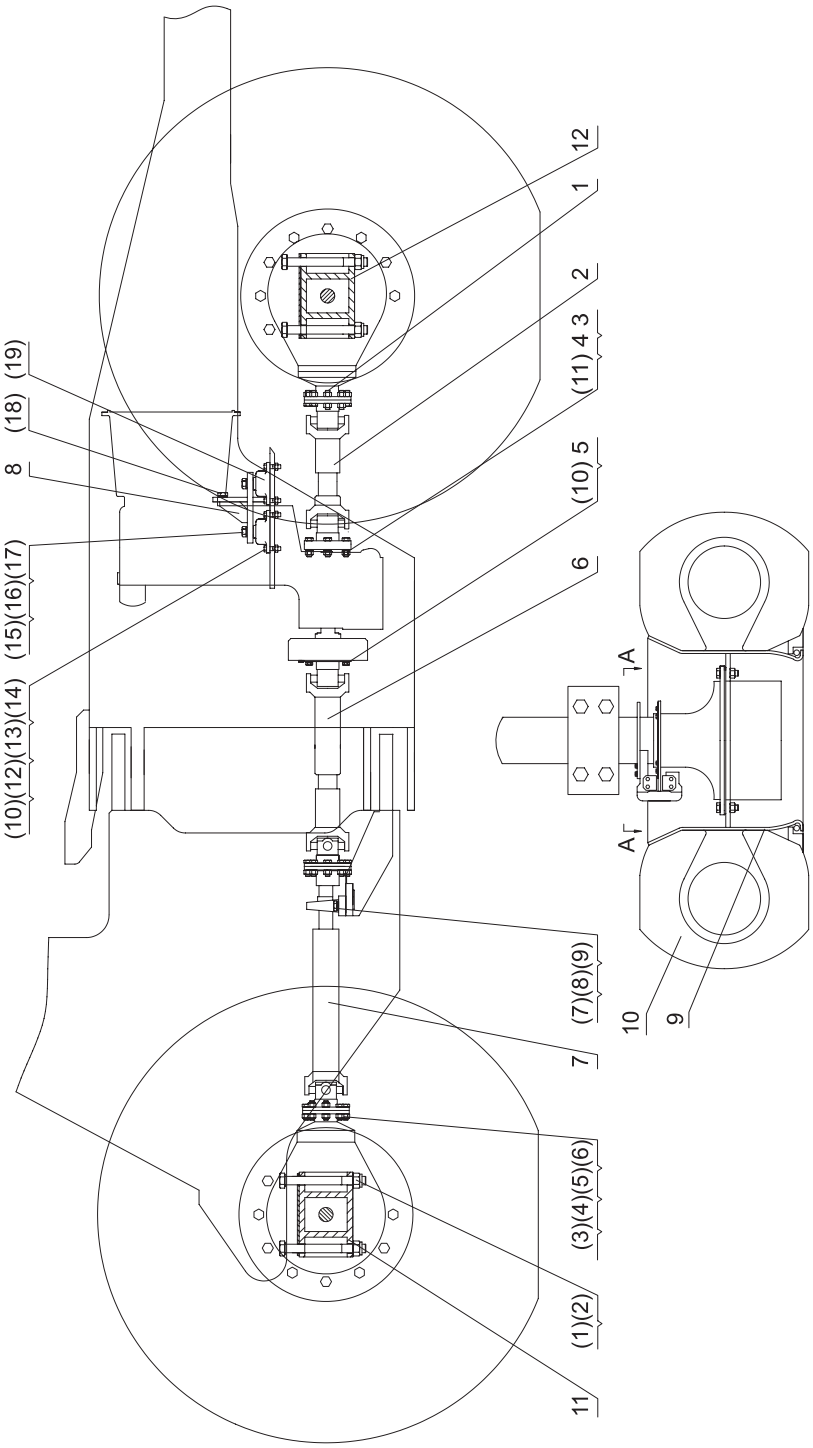
| 序号 NO. | 部件号 PART NO. | 零件名称 PART NAME | | 数量 Q'TY |
|---|---|---|---|---|
| 1 | ZL50G2-04001 | 双头螺柱 | Double-screw bolt | 8 |
| 2 | DG956W II -04002 | 后传动轴总成 | Rear drive shaft assy. | 1 |
| 3 | DG956W II -04003 | 螺栓M12×1.25 | Bolt | 8 |
| 4 | DG956W II -04004 | 螺母M12×1.25 | Nut | 8 |
| 5 | DG956W II -04005 | 螺栓M14×1.5 | Bolt | 8 |
| 6 | DG956W II -04006 | 中间传动轴总成 | Middle drive shaft assy. | 1 |
| 7 | DG956W II -04007A | 前传动轴总成 | Front drive shaft assy. | 1 |
| 8 | DG956W II -04008 | 支架 | Bracket | 1 |
| 9 | ZL50G2-04008 | 轮辋总成 | Rim assy. | 4 |
| 10 | ZL50G2-04010 | 轮胎总成 | Tyre assy. | 4 |
| 11 | ZL50G2-04100 | 前驱动桥 | Front axle | 1 |
| 12 | ZL50G2-04200 | 后驱动桥 | Rear axle | 1 |

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# 第2图 SL50W-3传动系统

# FIG.2 DRIVE SYSTEM



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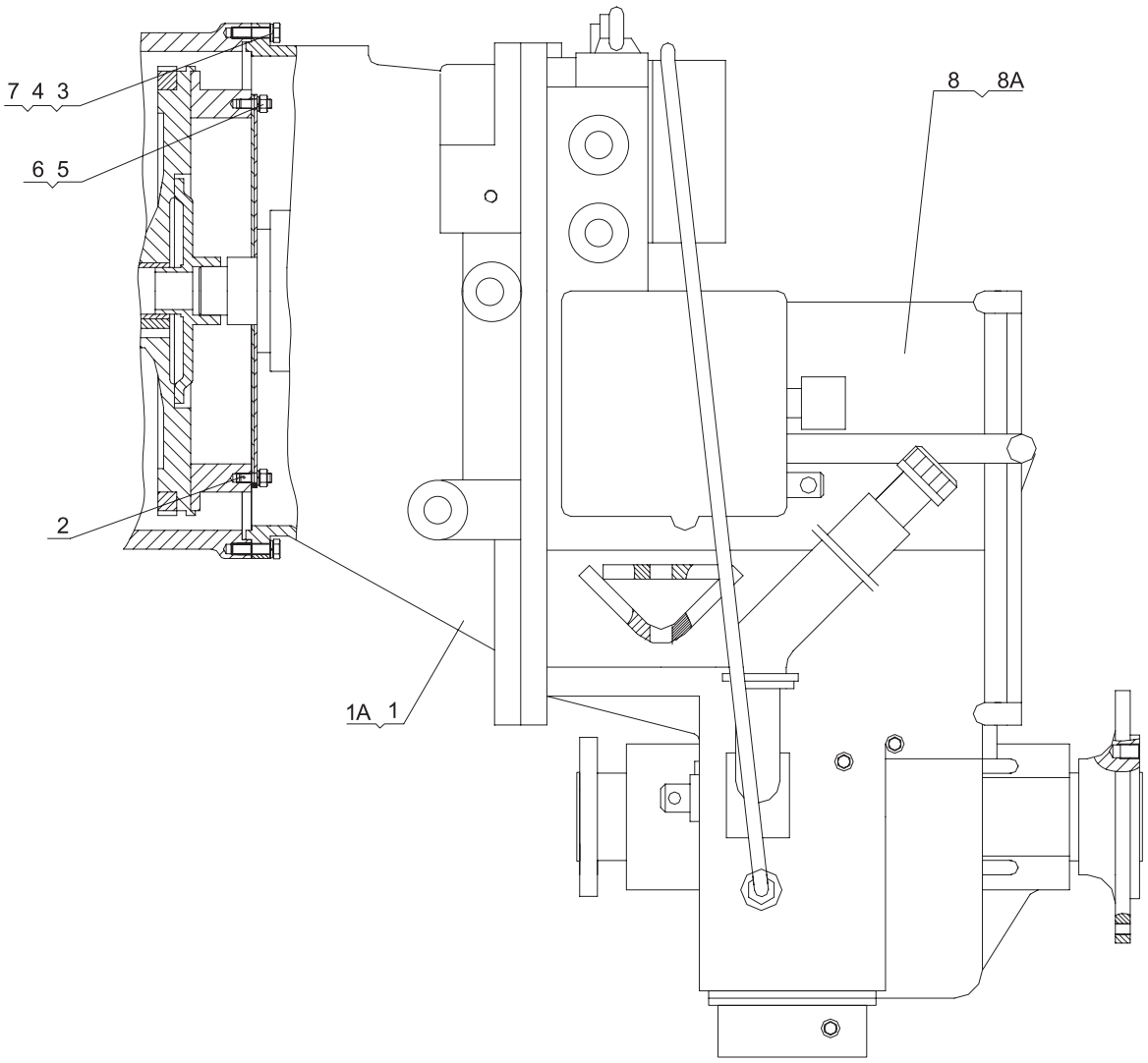
| 序号 NO. | 部件号 PART NO. | 零件名称 PART NAME | | 数量 Q'TY |
|---|---|---|---|---|
| (1) | GB889 M30×2×270 | 螺栓M30×2×270 | Bolt | 16 |
| (2) | GB889 M30×2 | 螺母M30×2 | Nut | 16 |
| (3) | GB93 16 | 垫圈16 | Washer | 32 |
| (4) | GB95 16 | 垫圈16 | Washer | 8 |
| (5) | GB5785 M16×1.5×45 | 螺栓M16×1.5×45 | Bolt | 16 |
| (6) | GB6171 M16×1.5 | 螺母M16×1.5 | Nut | 32 |
| (7) | GB95 20 | 垫圈20 | Washer | 2 |
| (8) | GB5782 M20×55 | 螺栓M20×55 | Bolt | 2 |
| (9) | GB93 20 | 垫圈20 | Washer | 2 |
| (10) | GB93 14 | 垫圈14 | Washer | 16 |
| (11) | GB93 12 | 垫圈12 | Washer | 8 |
| (12) | GB6170 M14 | 螺母M14 | Nut | 8 |
| (13) | GB5783 M14×50 | 螺栓 M14×50 | Bolt | 8 |
| (14) | GB95 14 | 垫圈14 | Washer | 8 |
| (15) | GB5783 M22×60 | 螺栓M22×60 | Bolt | 4 |
| (16) | GB95 22 | 垫圈22 | Washer | 4 |
| (17) | GB93 22 | 垫圈22 | Washer | 4 |
| (18) | GB5783 M20×65 | 螺栓M20×65 | Bolt | 4 |
| (19) | EA220 | 减震器 | Shock damper | 4 |

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# 第3图 变矩器联接

# FIG.3 TORQUE CONVERTER CONNECTION



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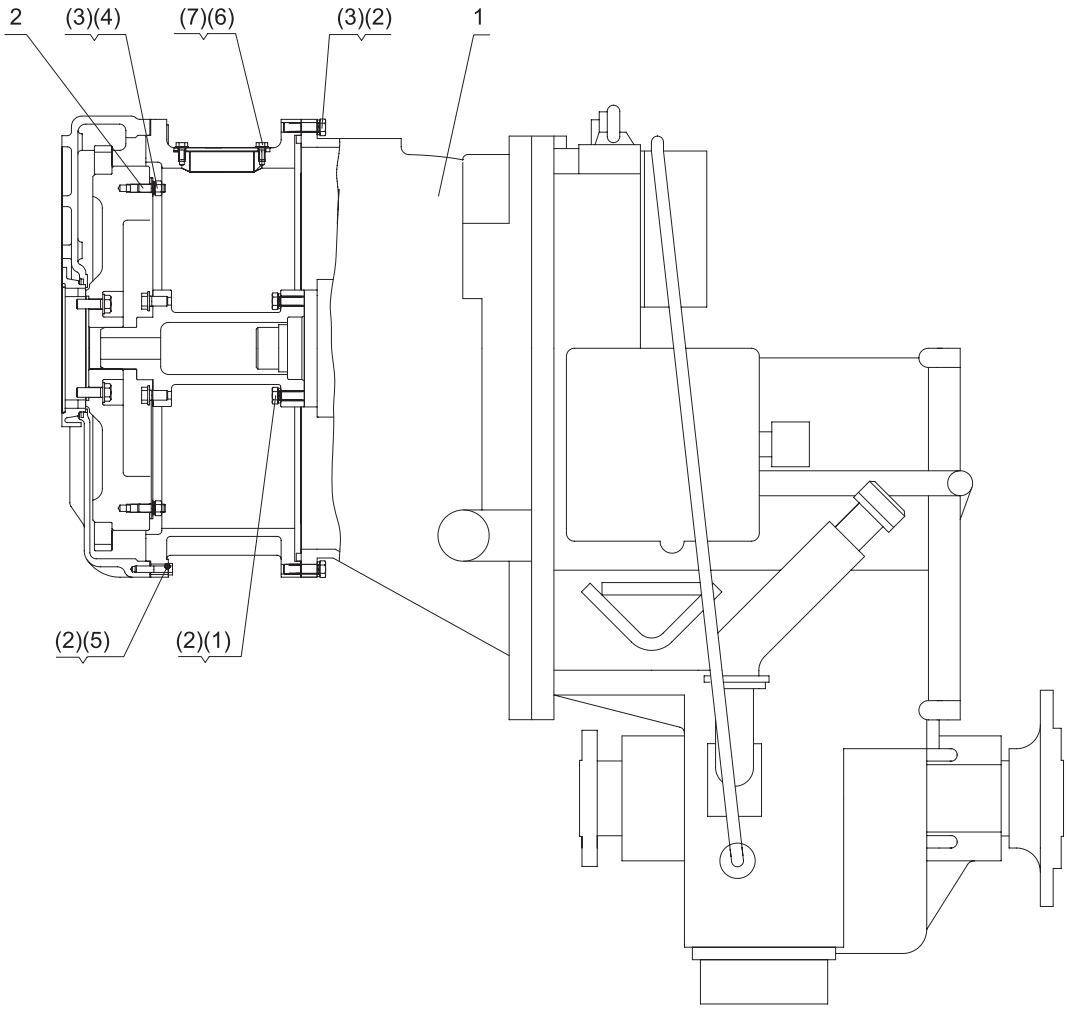
| 序号<br>NO. | 部件号<br>PART NO. | 零件名称<br>PART NAME | | 数量<br>Q'TY |
|---|---|---|---|---|
| 1 | ZL50G3-02100A | 液力变矩器(配潍柴) | Hydraulic torque converter(for WEICHAI) | 1 |
| 1A | 4WY315A | 液力变矩器 | Hydraulic torque converter | 1 |
| | YJSW315-6 | 液力变矩器 | Hydraulic torque converter | 1 |
| 2 | ZL50G3-02001 | 双头螺柱 | Double-screw bolt | 12 |
| 3 | GB5783 M12×45 | 螺栓 M12×45 | Bolt | 10 |
| 4 | GB93 12 | 弹垫12 | Spring washer | 12 |
| 5 | GB6171 M10×1 | 螺母 M10×1 | Nut | 12 |
| 6 | GB93 10 | 弹垫10 | Spring washer | 12 |
| 7 | GB5783 M12×40 | 螺栓 M12×40 | Bolt | 2 |
| 8 | ZL50G3-03300A | 液力变速器(配潍柴) | Hydraulic transmission(for WEICHAI) | 1 |
| 8A | ZL50B-011 | 液力变速器(配潍柴) | Hydraulic transmission(for WEICHAI) | 1 |
| | ZL50X32 | 液力变速器 | Hydraulic transmission | 1 |

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# 第4图 变矩器联接(配康明斯6CTA8.3–C215发动机)

# FIG.4 TORQUE CONVERTER CONNECTION(FOR CUMMINS ENGINE)



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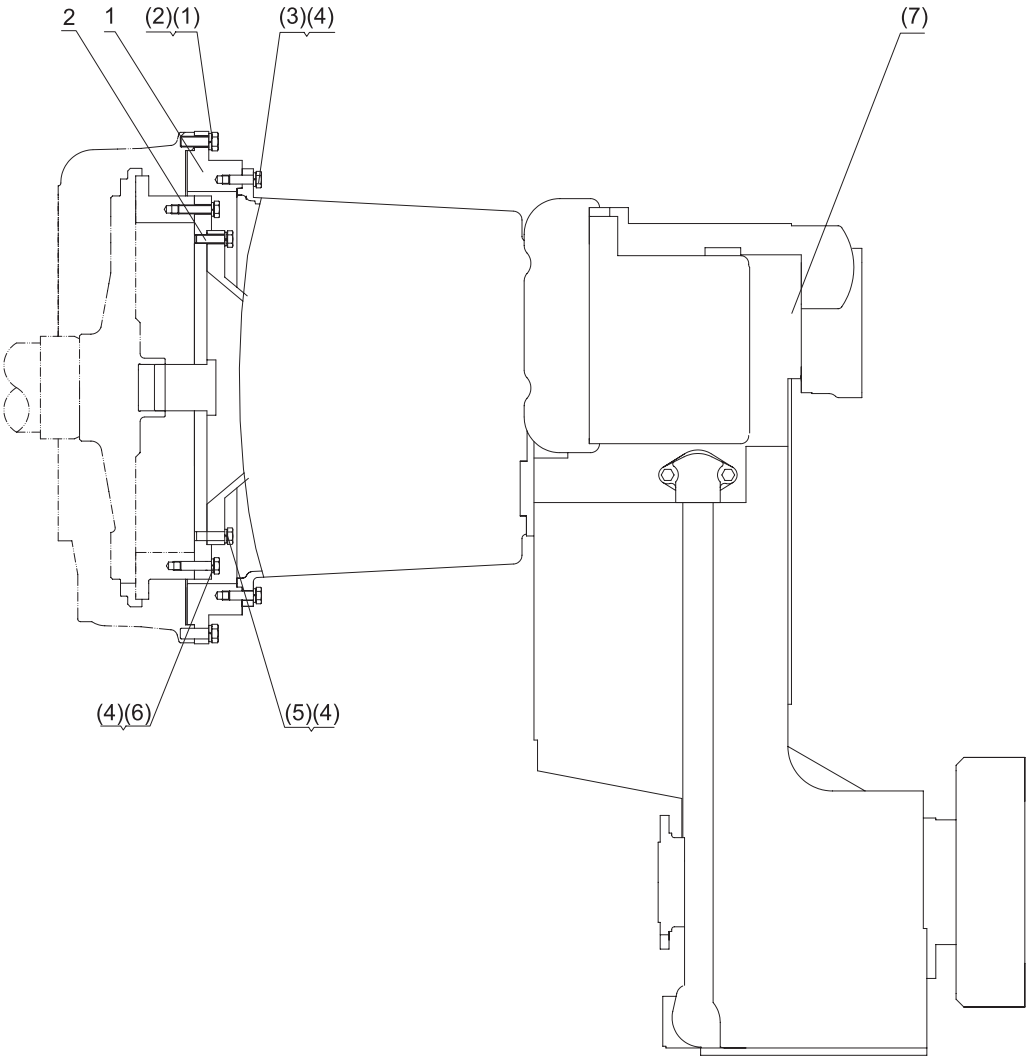
| 序号 NO. | 部件号 PART NO. | 零件名称 PART NAME | | 数量 Q'TY |
|---|---|---|---|---|
| 1 | ZL50X32 | 液力机械变速箱 | Transmission | 1 |
| 2 | ZL50G3-02001 | 双头螺柱 | Double-screw bolt | 12 |
| (1) | GB5783 M12×45 | 螺栓M12×45 | Bolt | 12 |
| (2) | GB93 12 | 弹垫12 | Spring washer | 36 |
| (3) | GB6171 M10×1 | 螺母M10×1 | Nut | 12 |
| (4) | GB93 10 | 弹垫10 | Spring washer | 12 |
| (5) | GB5783 M12×50 | 螺栓M12×50 | Bolt | 24 |
| (6) | GB93 8 | 弹垫8 | Spring washer | 4 |
| (7) | GB5783 M8×15 | 螺栓M8×15 | Bolt | 4 |

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# 第5图 SL50W–3变矩器联接(配潍柴WD10G220E21发动机)

# FIG.5 TORQUE CONVERTER CONNECTION(FOR WEICHAI ENGINE)



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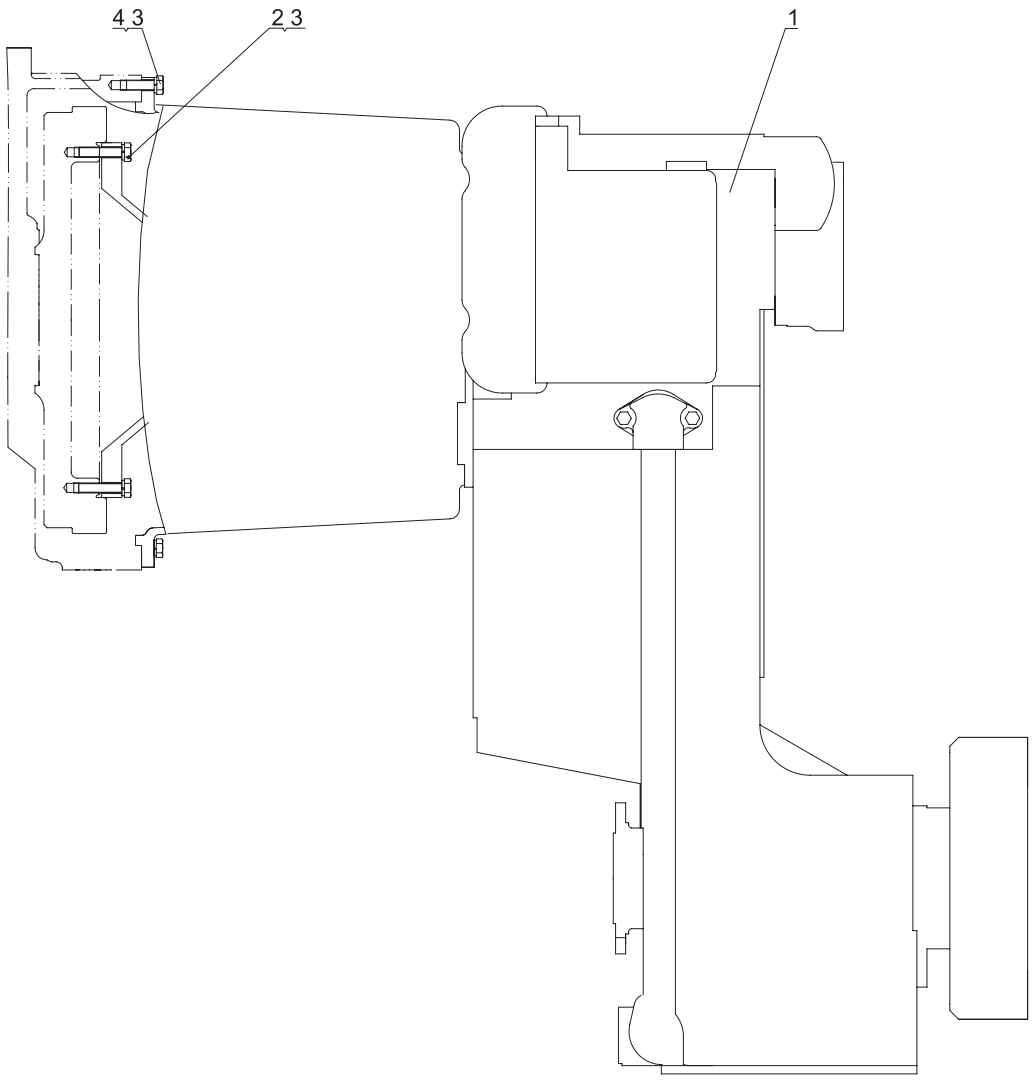
| 序号 NO. | 部件号 PART NO. | 零件名称 PART NAME | | 数量 Q'TY |
|---|---|---|---|---|
| 1 | DG956W7-02001 | 飞轮壳联接盘 | Connection disc,flywheel housing | 1 |
| 2 | DG956W7-02002 | 飞轮联接盘 | Flywheel connection disc | 1 |
| (1) | GB5783 M12×35 | 螺栓M12×35 | Bolt | 12 |
| (2) | GB93 12 | 弹垫12 | Spring washer | 12 |
| (3) | GB5783 M10×30 | 螺栓M10×30 | Bolt | 12 |
| (4) | GB93 10 | 弹垫10 | Spring washer | 32 |
| (5) | GB5783 M10×35 | 螺栓M10×35 | Bolt | 8 |
| (6) | GB5786 M10×1×40 | 螺栓M10×1×40 | Bolt | 12 |
| (7) | WG180 | 变速器总成 | Transmission assy. | 1 |

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# 第6图 SL50W-3变矩器联接(配上柴SC11CB220G2B1发动机)

# FIG.6 TORQUE CONVERTER CONNECTION(FOR SHANGCHAI ENGINE)



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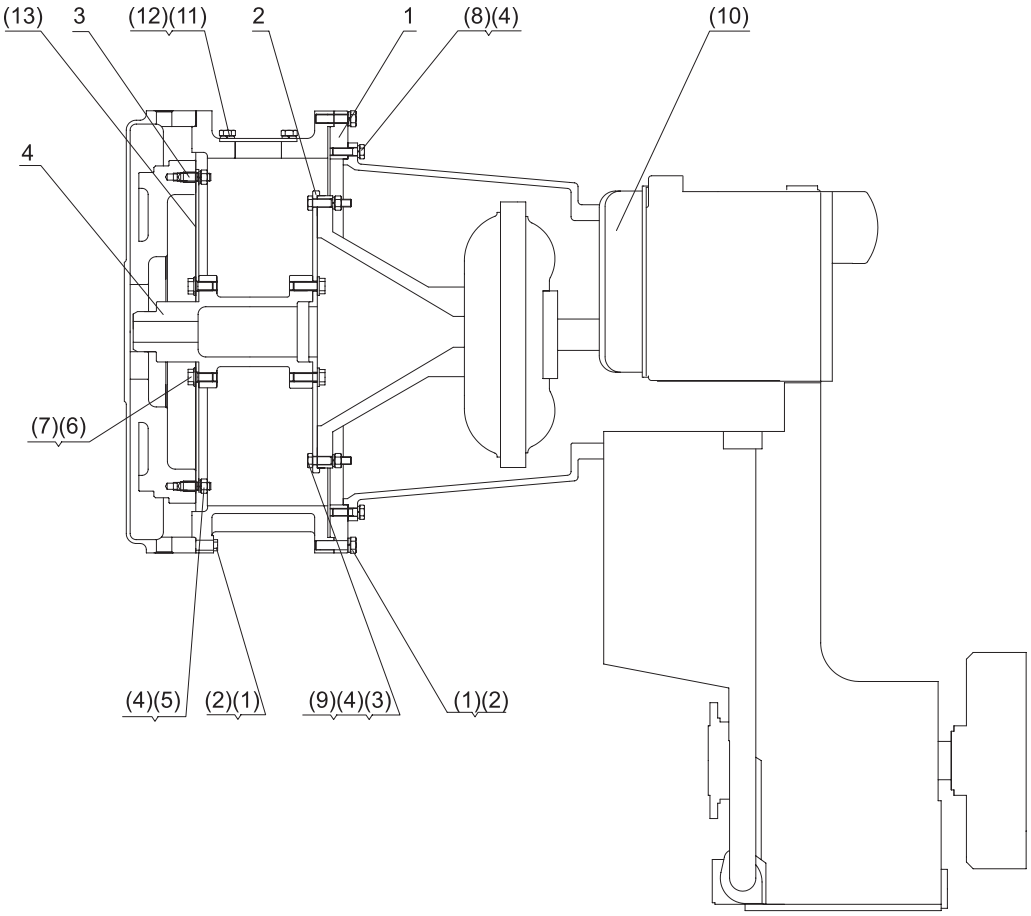
| 序号<br>NO. | 部件号<br>PART NO. | 零件名称<br>PART NAME | | 数量<br>Q'TY |
|---|---|---|---|---|
| 1 | WG180 | 变速器总成 | Transmission assy | 1 |
| 2 | GB5786 M10×1×40 | 螺栓M10×1×40 | Bolt | 8 |
| 3 | GB93 10 | 弹垫10 | Spring washer | 20 |
| 4 | GB5783 M10×40 | 螺栓M10×40 | Bolt | 12 |

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# 第7图 SL50W-3变矩器联接(配康明斯6CTA8.3-C215发动机)

# FIG.7 TORQUE CONVERTER CONNECTION(FOR CUMMINS ENGINE)



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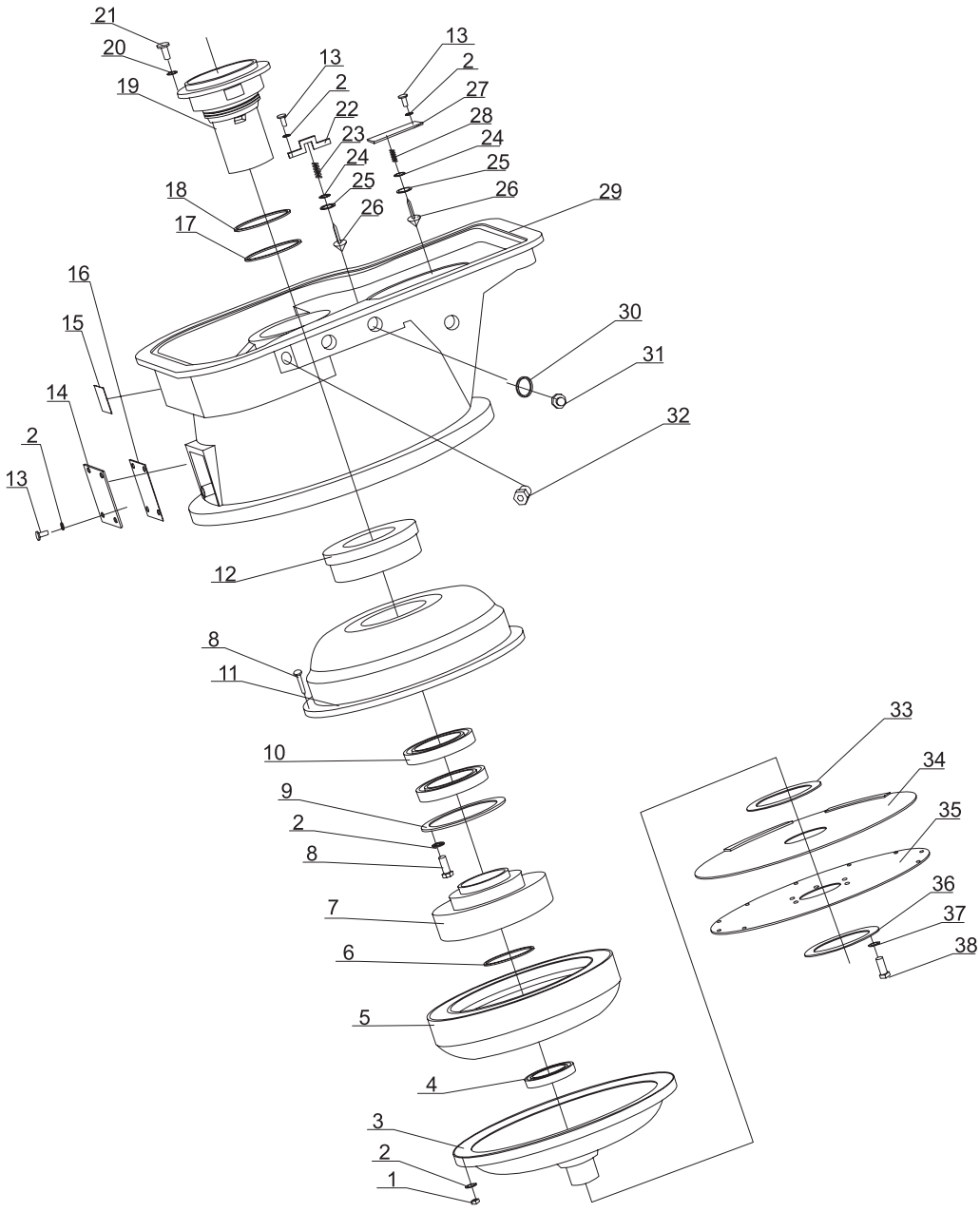
| 序号 NO. | 部件号 PART NO. | 零件名称 PART NAME | | 数量 Q'TY |
|---|---|---|---|---|
| 1 | DG956WV-02001 | 过渡盘 | Transition disc | 1 |
| 2 | DG956WV-02002 | 联接盘 | Connection disc | 1 |
| 3 | ZL50G3-02001 | 双头螺柱 | Double-screw bolt | 12 |
| 4 | DG956WV-02005 | 飞轮过渡轴 | Flywheel transition shaft | 1 |
| (1) | GB5783 M12×50 | 螺栓M12×50 | Bolt | 24 |
| (2) | GB93 12 | 弹垫12 | Spring washer | 24 |
| (3) | GB5783 M10×45 | 螺栓M10×45 | Bolt | 8 |
| (4) | GB93 10 | 弹垫10 | Spring washer | 32 |
| (5) | GB6171 M10×1 | 螺母M10×1 | Nut | 12 |
| (6) | GB5783 M12×30 | 螺栓M12×30 | Bolt | 12 |
| (7) | GB95 12 | 平垫12 | Flat washer | 12 |
| (8) | GB5783 M10×35 | 螺栓M10×35 | Bolt | 12 |
| (9) | GB6170 M10 | 螺母M10 | Nut | 8 |
| (10) | WG180 | 变速器总成 | Transmission assy. | 1 |
| (11) | GB5783 M8×15 | 螺栓M8×15 | Bolt | 4 |
| (12) | GB93 8 | 弹垫8 | Spring washer | 4 |
| (13) | 402202 | 弹性连接盘 | Elastic connection disc | 1 |

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# 第8图 液力变矩器(370801)

# FIG.8 HYDRAULIC TORQUE CONVERTER



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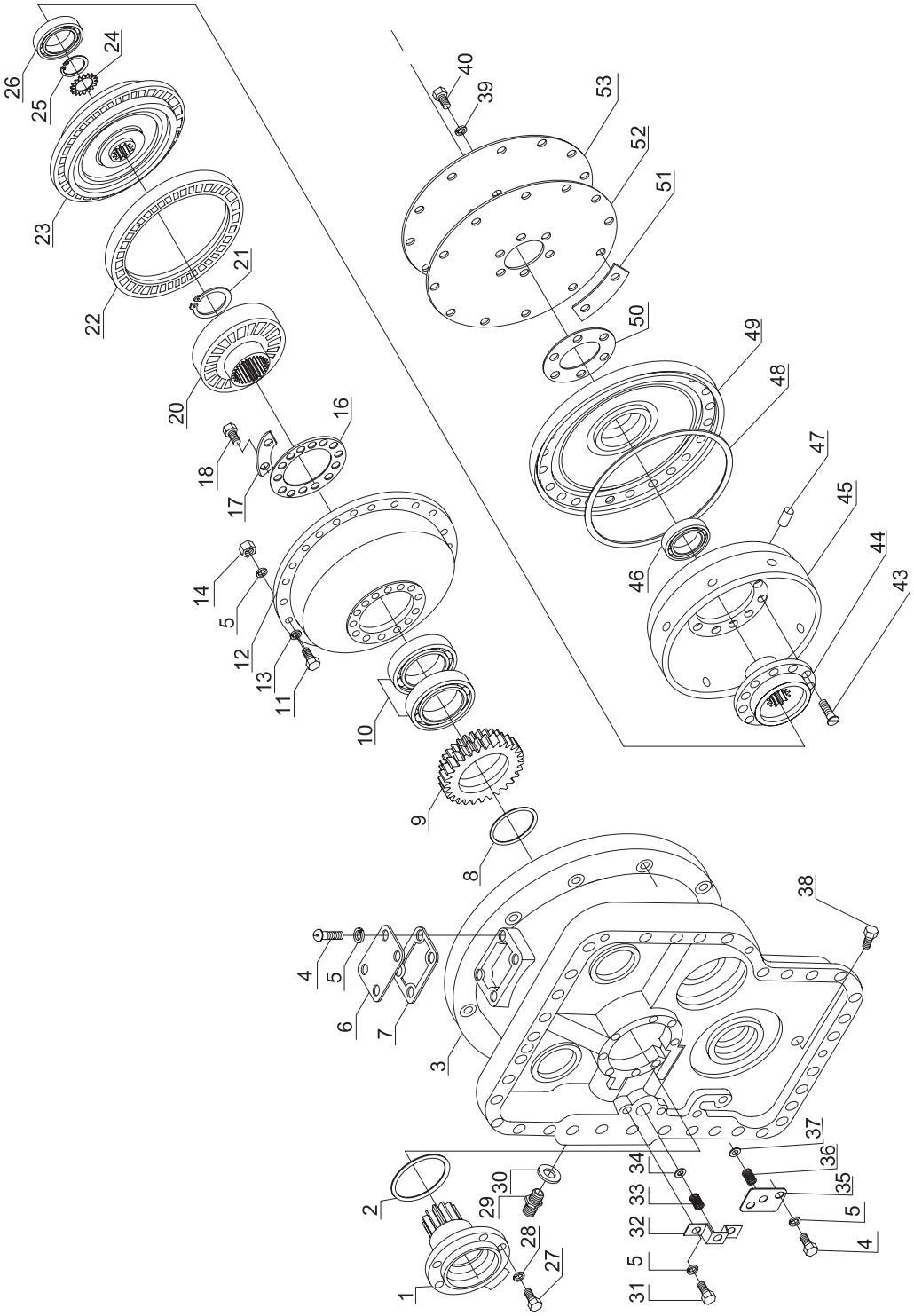
| 序号 NO. | 部件号 PART NO. | 零件名称 PART NAME | | 数量 Q'TY |
|---|---|---|---|---|
| 0 | ZL50G3-02100A | 液力变矩器 | Hydraulic torque converter | 1 |
| 1 | 01580-00806 | 螺母M8 | Nut | 38 |
| 2 | 01602-10825 | 垫圈8 | Washer | 46 |
| 3 | YJSW315-8A-00001 | 罩轮 | Cover Wheel | 1 |
| 4 | GB276 6210 | 深沟球轴承6210 | Ball Bearing | 1 |
| 5 | YJSW315-8A-10000 | 涡轮组件 | Turbine assembly | 1 |
| 6 | 04064-08530 | 挡圈85 | Snap Ring | 1 |
| 7 | YJSW315-8A-00002 | 导轮 | Guide Roller | 1 |
| 8 | 01010-80835 | 螺栓M8×35 | Bolt | 38 |
| 9 | YB315Z5-22A | 压紧垫片 | Press Washer | 1 |
| 10 | GB276 6017 | 球轴承6017 | Ball Bearing | 2 |
| 11 | YJSW315-8A-00003 | 泵轮 | Pump Impeller | 1 |
| 12 | YJSW315-8A-00004 | 齿轮 | Gear | 1 |
| 13 | 01010-50816 | 螺栓M8×16 | Bolt | 8 |
| 14 | YB315Z5-06D | 垫板 | Plate | 1 |
| 15 | YJSW315-6J01-BP01 | 铭牌 | Nameplate | 1 |
| 16 | YB315Z5-07D | 密封板 | Gasket | 1 |
| 17 | YB315Z5-12A | 密封环 | Sealing ring | 1 |
| 18 | YB315Z5-33 | 密封环 | Sealing ring | 1 |
| 19 | YB315Z5-13A | 导轮座 | Guide Roller Seat | 1 |
| 20 | 01602-11030 | 垫圈10 | Washer | 9 |
| 21 | GB21 M10×25 | 螺栓M10×25 | BOlt | 9 |
| 22 | YB315Z5-17A | 阀盖 | Valve Cap | 1 |
| 23 | YB315Z5-18A | 弹簧 | Spring | 1 |
| 24 | YB315Z5-16/21 | 调整垫 | Adjusting Spacer | 1组 |
| 25 | YB315Z5-28/29 | 调整垫 | Adjusting Spacer | 1组 |
| 26 | YB315Z5-26A | 阀杆 | Valve Lever | 1 |
| 27 | YB315Z5-19A | 压板 | Press plate | 1 |
| 28 | YB315Z5-20 | 弹簧 | Spring | 1 |
| 29 | YB315Z5-08D | 壳体 | Housing | 1 |
| 30 | YB315Z5-09 | 组合垫圈30 | Combined Washer | 1 |
| 31 | YB315Z5-15L | 螺塞 | Plug Screw | 1 |
| 32 | YB315Z5-10L | 油温表接头 | Oil Thermometer connector | 1 |
| 33 | YB315Z5-34 | 调整垫 | Adjusting shim | 1组 |
| 34 | YJSW315-20000 | 弹性板总成 | Elastic plate assembly | 1 |
| 35 | YJSW315-20001 | 弹性板 | Elastic plate | 2 |
| 36 | YB315Z5-04 | 圆垫板 | Circular plate | 1 |
| 37 | 01602-11236 | 垫圈12 | Washer | 6 |
| 38 | 01010-61230 | 螺栓M12×30 | Bolt | 6 |

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# 第9图　YJSW315–6 液力变矩器

# FIG.9 HYDRAULIC TORQUE CONVERTER



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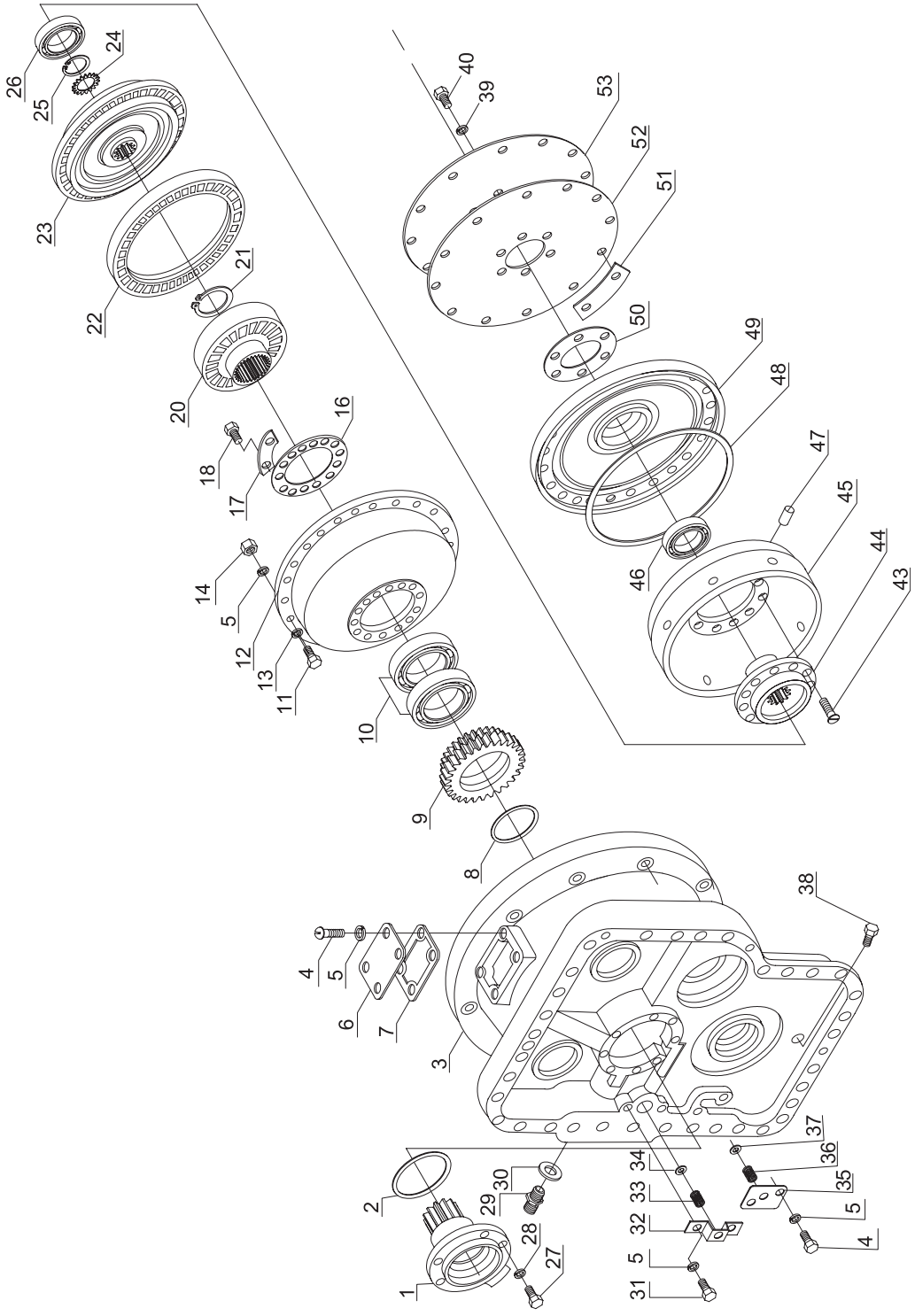
| 序号 NO. | 部件号 PART NO. | 零件名称 PART NAME | | 数量 Q'TY |
|---|---|---|---|---|
| 0 | YJSW315.6.00C | 液力变矩器 | Hydraulic torque converter | 1 |
| 1 | YJSW315.6.20C | 导轮座 | Guide wheel base | 1 |
| 2 | YJSW315.6.21 | 密封环 | Seal ring | 1 |
| 3 | YJSW315.6.01C-X | 壳体 | Shell body | 1 |
| 4 | GB5873 M8×16 | 螺栓M8×16 | Bolt | 6 |
| 5 | GB93 8 | 弹垫8 | Washer | 32 |
| 6 | YJSW315.6.10 | 大垫板 | Base plate | 1 |
| 7 | YJSW315.6.12 | 密封垫 | Gasket | 1 |
| 8 | YJSW315.6.18 | 密封环 | Seal ring | 1组 |
| 9 | YJSW315.6.16 | 齿轮 | Gear | 1 |
| 10 | GB276 6017 | 轴承6017 | Bearing | 2 |
| 11 | GB5783 M8×40 | 螺栓M8×40 | Bolt | 24 |
| 12 | YJSW315.6.13 | 泵轮 | Pump wheel | 1 |
| 13 | GB848 8 | 垫圈8 | Washer | 24 |
| 14 | GB6170 M8 | 螺母M8 | Nut | 24 |
| 16 | YJSW315.6.19 | 压板 | Press plate | 1 |
| 17 | YJSW315.6.23 | 放松垫片 | Gasket | 7 |
| 18 | GB5783 M8×30 | 螺栓M8×30 | Bolt | 14 |
| 20 | YJSW315.6.14a | 导轮 | Guide wheel | 1 |
| 21 | GB894.1 80 | 挡圈80 | Collar | 1 |
| 22 | YJSW315.6.08/4 | 一级涡轮 | First-lever turbo | 1 |
| 23 | YJSW315.6.09 | 二级涡轮 | Second-level turbo | 1 |
| 24 | YJSW.315.6.07 | 花键垫片 | Spline gasket | 1组 |
| 25 | YJSW315.6.38 | 挡圈50 | Collar | 1 |
| 26 | GB276 6013 | 轴承6013 | Bearing | 1 |
| 27 | GB5783 M10×25 | 螺栓M10×25 | Bolt | 8 |
| 28 | GB93 10 | 垫圈10 | Washer | 8 |
| 29 | YJSW315.6.22C | 螺塞M30×1.5 | Plug screw | 1 |
| 30 | JB982 30 | 组合垫圈30 | Combined washer | 1 |
| 31 | GB5783 M8×20 | 螺栓M8×20 | Bolt | 2 |
| 32 | YJSW315.6.26 | 阀盖 | Valve cover | 1 |
| 33 | YJSW315.6.25 | 弹簧 | Spring | 1 |
| 34 | YJSW315.6.24C-Ⅱ | 进口阀芯 | Suction valve core | 1 |
| 35 | YJSW315.6.30 | 垫板 | Base plate | 1 |
| 36 | YJSW315.6.29 | 弹簧 | Spring | 1 |
| 37 | YJSW315.6.31C | 出口阀芯 | Outlet valve core | 1 |

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# 第9图　　YJSW315–6 液力变矩器

# FIG.9 HYDRAULIC TORQUE CONVERTER



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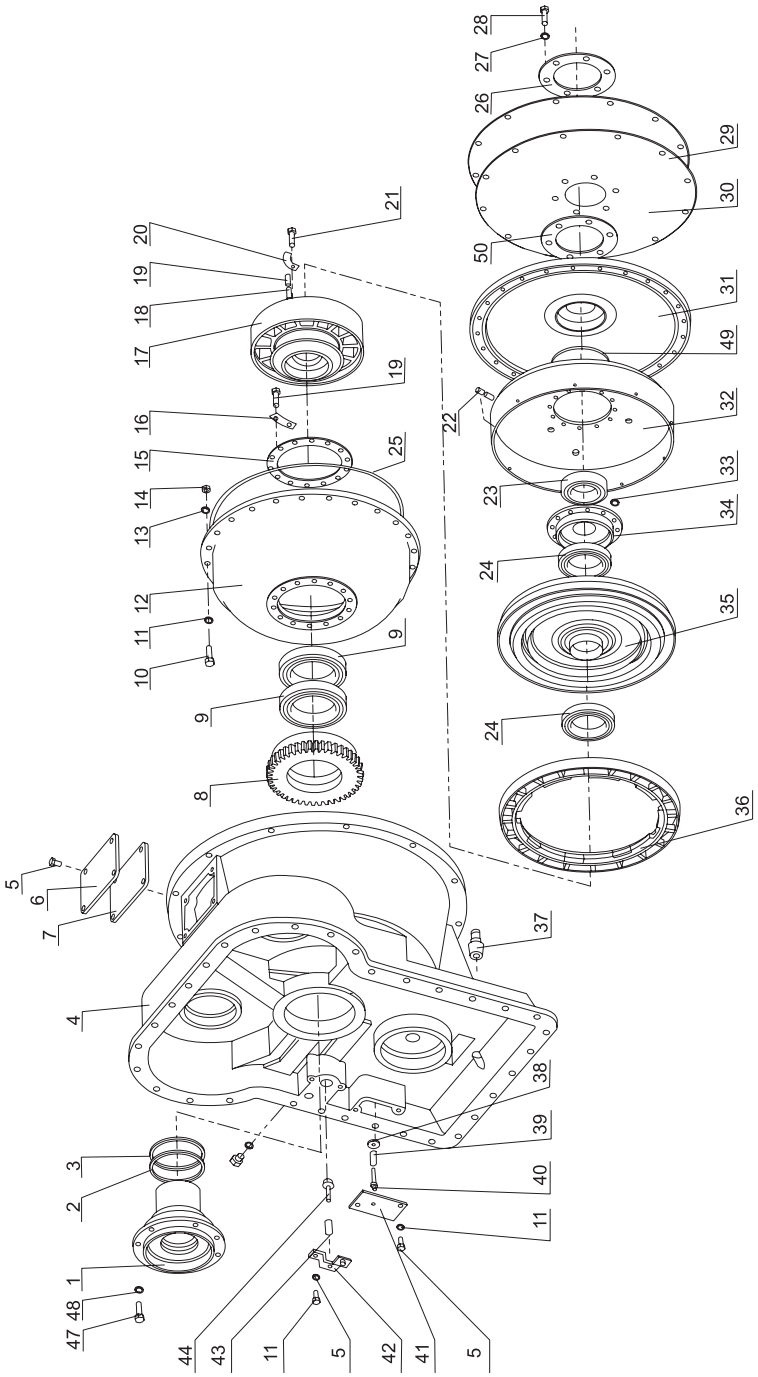
| 序号 NO. | 部件号 PART NO. | 零件名称 PART NAME | | 数量 Q'TY |
|---|---|---|---|---|
| 38 | YJSW315.6.28 | 接头 | Joint | 1 |
| 39 | GB93 12 | 垫圈12 | Spring | 6 |
| 40 | GB5783 M12×30 | 螺栓M12×30 | Bolt | 6 |
| 41 | YJSW315.6.0809 | 一二级涡轮总成 | One and two turbo assy. | 1 |
| 43 | YJSW315.6.08/2 | 铆钉 | Rivet | 12 |
| 44 | YJSW315.6.08/1 | 一级涡轮壳 | First-level turbo shell | 1 |
| 45 | YJSW315.6.08/3 | 一级涡轮罩 | First-level turbo hood | 1 |
| 46 | GB276 6210 | 轴承6210 | Bearing | 1 |
| 47 | YJSW315.6.08/5a | 弹性销 | Spring pin | 8 |
| 48 | YJSW315.6.03 | O形密封圈 | O-seal ring | 1 |
| 49 | YJSW315.6.05C | 罩轮 | Hood wheel | 1 |
| 50 | YJSW315.6.06 | 圆垫片 | Round gasket | 2 |
| 51 | YJSW315.6.04/2 | 垫片 | Gasket | 1 |
| 52 | YJSW315.6.04 | 弹性板总成 | Elastic plate assy. | 1 |
| 53 | YJSW315.6.04/1 | 弹性板 | Elastic plate | 2 |

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# 第10图 4WY315A液力变矩器

# FIG.10 HYDRAULIC TORQUE CONVERTER



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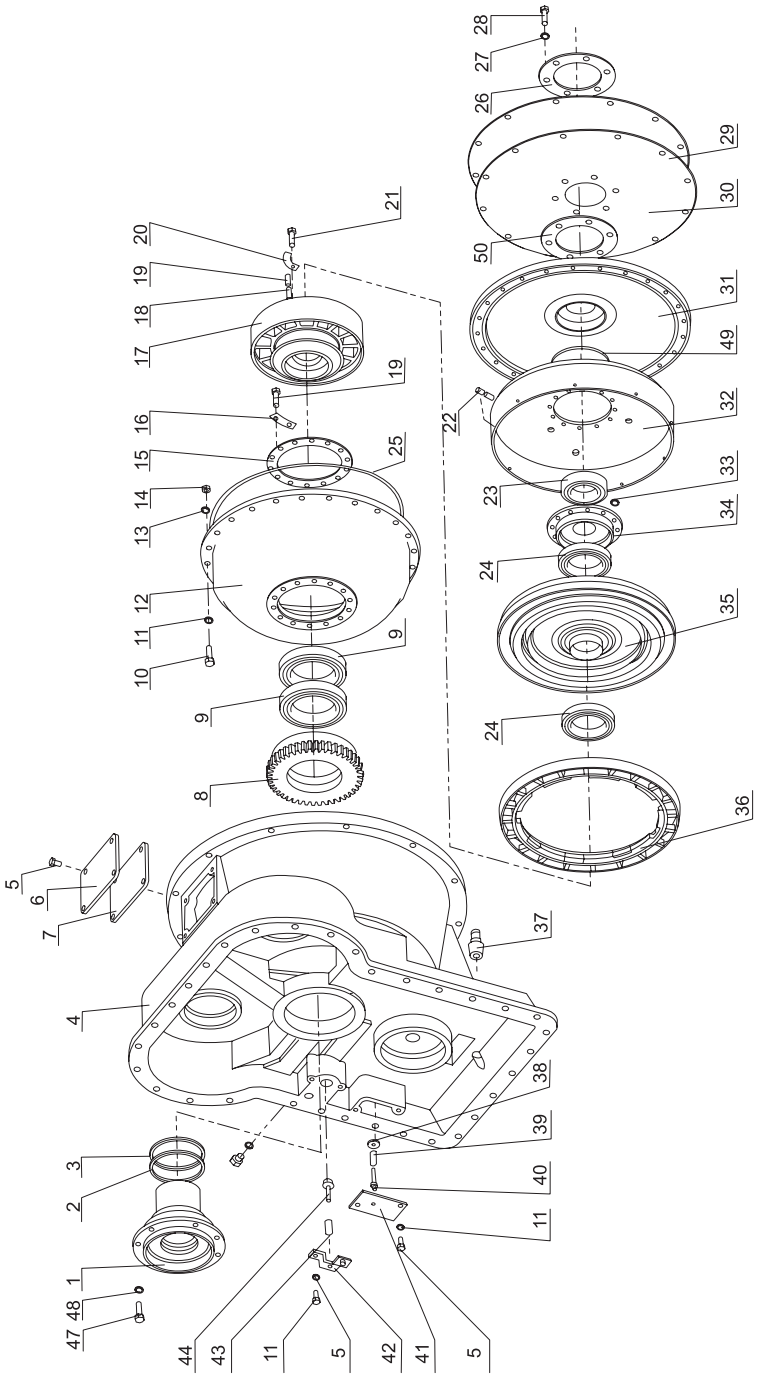
| 序号 NO. | 部件号 PART NO. | 零件名称 PART NAME | | 数量 Q'TY |
|---|---|---|---|---|
| 0 | 4WY315A | 液力变矩器 | Hydraulic torque converter | 1 |
| 1 | 4WY335-002 | 导轮座 | Guide wheel base | 1 |
| 2 | 4WY315-009 | 密封环 | Seal ring | 1 |
| 3 | 4WY315-035 | 密封圈 | Seal ring | 1 |
| 4 | 4WY315-007 | 壳体 | Shell | 1 |
| 5 | GB5783 M8×20 | 六角头螺栓M8×20 | Bolt | 8 |
| 6 | 4WY315-015 | 盖板 | Cover plate | 1 |
| 7 | 4WY315-016 | 纸垫 | Paper gasket | 1 |
| 8 | 4WY315A-011 | 齿轮 | Gear | 1 |
| 9 | GB276 6017 | 球轴承6017 | Ball bearing | 2 |
| 10 | GB5783 M8×40 | 六角头螺栓M8×40 | Bolt | 24 |
| 11 | GBT93 8 | 弹垫8 | Spring washer | 24 |
| 12 | 4WY315A-014 | 泵轮 | Pump wheel | 1 |
| 13 | GB93 8 | 弹垫8 | Spring washer | 24 |
| 14 | GB6170 M8 | 六角螺母M8 | Nut | 24 |
| 15 | 4WY315-012 | 压板 | Press plate | 1 |
| 16 | 4WY315-013 | 防松垫片 | Gasket | 7 |
| 17 | 4WY315A-008 | 导轮 | Guide wheel | 1 |
| 18 | GB879.1 8×24 | 圆柱销8×24 | Cylinder pin | 2 |
| 19 | GB5783 M8×30 | 六角头螺栓M8×30 | Bolt | 14 |
| 20 | 4WY335-001 | 防松垫片 | Gasket | 4 |
| 21 | GB5783 M8×30 | 六角头螺栓M8×30 | Bolt | 6 |
| 22 | 4WY335-203 | 销子 | Pin | 9 |
| 23 | NSK 6210 | 轴承6210 | Bearing | 1 |
| 24 | NSK 6013 | 轴承6013 | Bearing | 1 |
| 25 | 4WY335-010 | O型密封圈 | O-ring | 1 |
| 26 | 4WY335-015/16/17/18 | 圆垫片 | Round gasket | 1 |
| 27 | GBT93 12 | 弹垫12 | Spring washer | 6 |
| 28 | GB5783 M12×30 | 六角头螺栓M12×30 | Bolt | 6 |
| 29 | 4WY315-001 | 垫片 | Gasket | 6 |
| 30 | 4WY315-002 | 弹性板δ=1 | Spring plate | 2 |
| 31 | 4WY335-004A | 罩轮 | Hood plate | 1 |
| 32 | 4WY315A-202 | 一级涡轮罩 | First-lever turbo hood | 1 |

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# 第10图 4WY315A液力变矩器

# FIG.10 HYDRAULIC TORQUE CONVERTER



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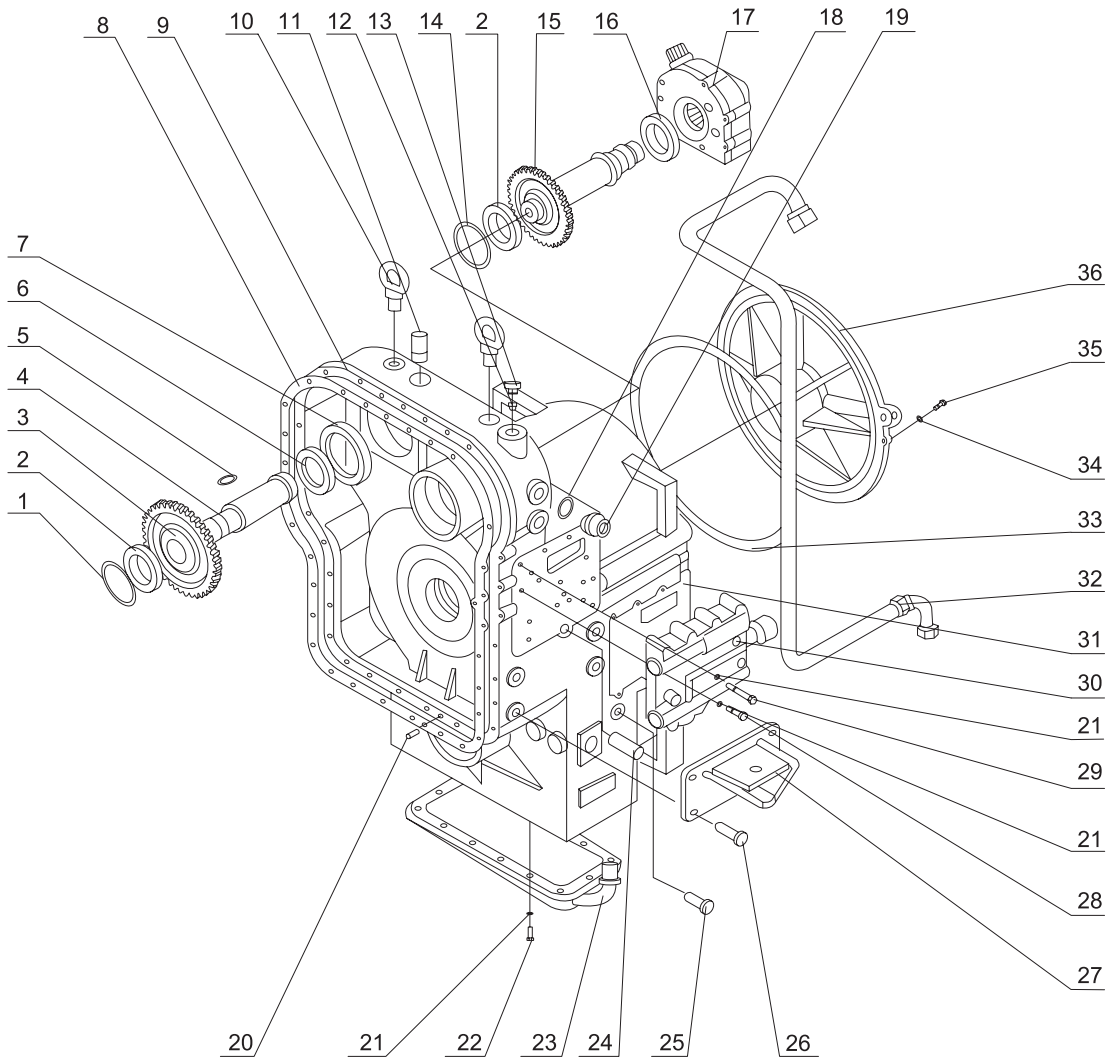
| 序号 NO. | 部件号 PART NO. | 零件名称 PART NAME | | 数量 Q'TY |
|---|---|---|---|---|
| 33 | GB869 8×16 | 沉头铆钉8×16 | Rivet | 12 |
| 34 | 4WY335-101 | 二级涡轮座 | Second-level turbo base | 1 |
| 35 | 4WY315A-102 | 二级涡轮 | Second-level turbo | 1 |
| 36 | 4WY315A-204 | 一级涡轮 | First-level turbo | 1 |
| 37 | 402111X13 | 接头体 | Joint | 1 |
| 38 | 4WY315-023 | 垫片 | Gasket | 1 |
| 39 | 4WY315-027 | 弹簧 | Spring | 1 |
| 40 | 4WY315-025 | 阀杆 | Valve rod | 2 |
| 41 | 4WY315-028 | 垫板 | Base plate | 1 |
| 42 | 4WY315-036 | 阀体 | Valve body | 1 |
| 43 | 4WY315-024 | 弹簧 | Spring | 1 |
| 44 | 4WY315-026 | 阀盖 | Valve cover | 1 |
| 47 | GB5783 M10×30 | 六角头螺栓M10×30 | Bolt | 8 |
| 48 | GB93 10 | 弹垫10 | Spring washer | 8 |

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# 第11图 变速箱箱体部件(杭州前进)

# FIG.11 GEARBOX CASE PART(HANGZHOU ADVANCE)



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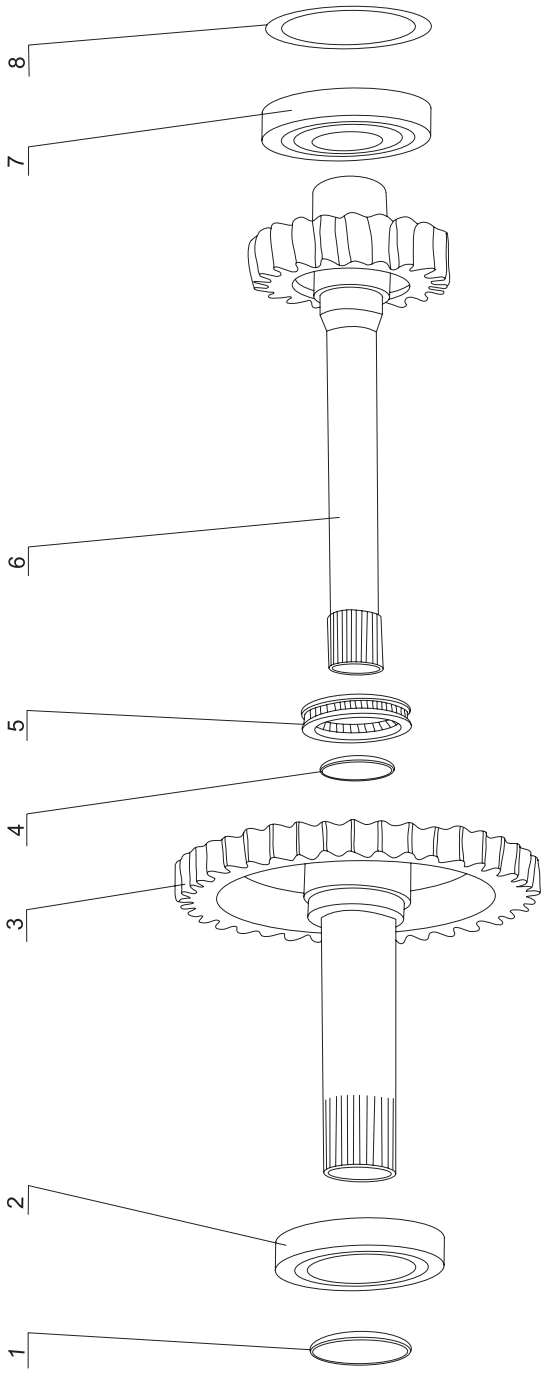
| 序号 NO. | 部件号 PART NO. | 零件名称 PART NAME | | 数量 Q'TY |
|---|---|---|---|---|
| 1 | GB894.1 90 | 轴用弹性挡圈-A型 | Circlip for shaft | 2 |
| 2 | GB276 6210N | 外圈有止动槽的深沟球轴承6210N | Ball bearing | 2 |
| 3 | 503056A | 转向泵驱动齿轮 | Drive gear | 1 |
| 4 | 403055X7B | 转向油泵驱动轴 | Drive shaft | 1 |
| 5 | GB1096 14×9×36 | 普通平键14×9×36 | Flat key | 1 |
| 6 | GB276 6012 | 深沟球轴承 6012 | Ball bearing | 1 |
| 7 | 403057 | 轴承套 | Bearing holder | 1 |
| 8 | 403021 | 密封垫片 | Gasket seal | 1 |
| 9 | 403005A | 箱体 | Case | 1 |
| 10 | GB825 M20 | 吊环螺钉M20 | Eye screw | 2 |
| 11 | 403024-27 | 透气帽 | Aeration cap | 1 |
| 12 | 403028 | 圆锥堵塞 | Cone plug | 1 |
| 13 | 403223 | 螺塞 | Plug screw | 1 |
| 15 | 503610A | 轴齿轮 | Shaft gear | 1 |
| 16 | GB276 6211 | 深沟球轴承 6211 | Ball bearing | 1 |
| 17 | 403601-608X2 | 齿轮泵 | Gear pump | 1 |
| 18 | 402106 | 垫圈 | Washer | 2 |
| 19 | 402111 | 变速箱接头 | Gearbox joint | 4 |
| 20 | GB119.1 10m6×30 | 圆柱销10m6×30 | Column pin | 1 |
| 21 | GB93 10 | 弹簧垫圈10 | Washer | 78 |
| 22 | GB5783 M10×25 | 六角头螺栓M10×25 | Bolt | 14 |
| 23 | 403400A | 油底壳总成 | Oil sump tank | 1 |
| 24 | 403022 | 圆柱销 | Column pin | 1 |
| 25 | ZL50-03-JYS | 检油塞ZG1/4 | Plug | 1 |
| 26 | GB5783 M18×40 | 六角法兰面螺栓M18×40 | Bolt | 8 |
| 27 | 403032-34 | 连接座 | Connect seat | 2 |
| 28 | GB5782 M10×75 | 螺栓M10×75 | Bolt | 4 |
| 29 | GB5782 AM10×70 | 螺栓AM10×70 | Bolt | 12 |
| 30 | 503700-001 | 变速操纵阀 | Gearshift control valve | 1 |
| 31 | ZL50C 301 003 | 密封垫 | Gasket | 1 |
| 32 | 402007-14 | 变速油泵进油管 | Sucker | 1 |
| 33 | 403001 | 密封垫 | Gasket | 1 |
| 34 | GB93 10 | 弹簧垫圈10 | Washer | 2 |
| 35 | GB5783 M10×30 | 六角头螺栓M10×30 | Bolt | 38 |
| 36 | 403002 | 端盖 | End cover | 1 |

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# 第12图 变速箱一轴总成(杭州前进)

# FIG.12 GEARBOX ONE SHAFT ASSY.(HANGZHOU ADVANCE)



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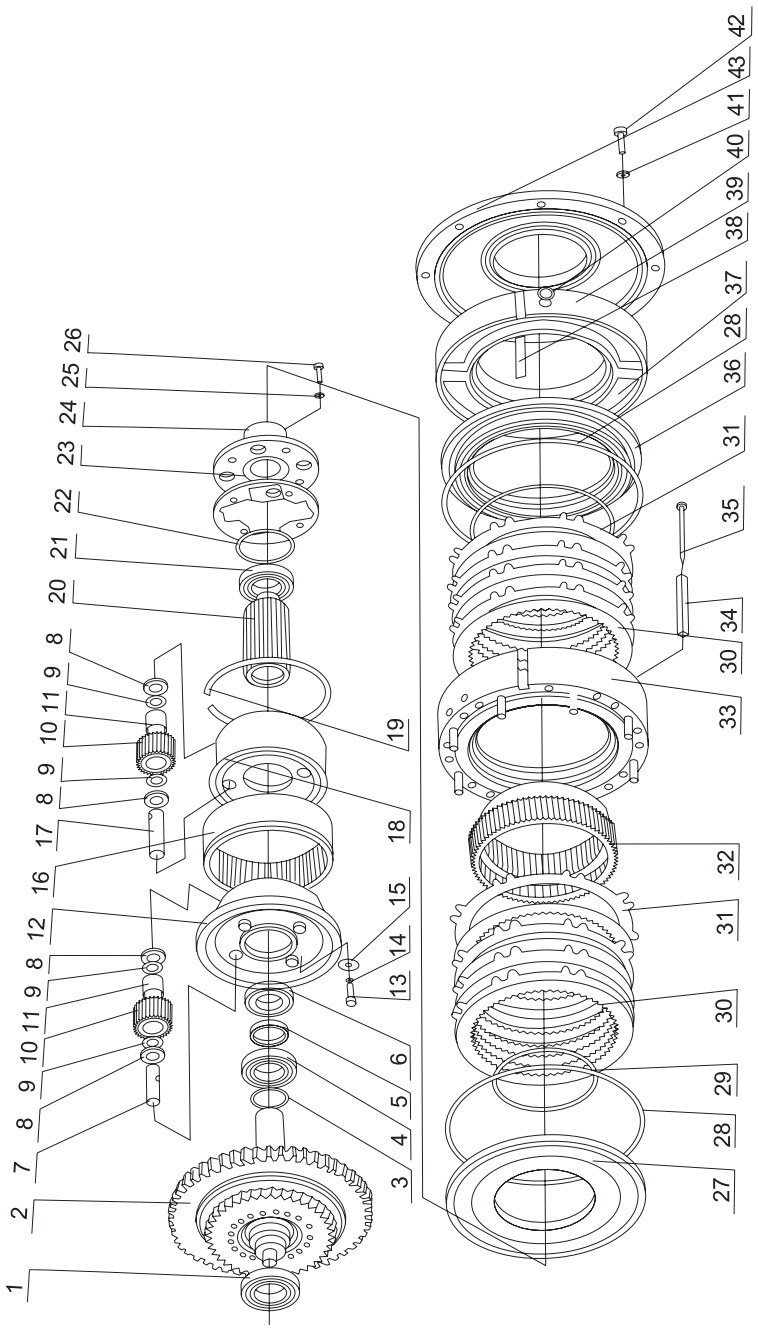
| 序号<br>NO. | 部件号<br>PART NO. | 零件名称<br>PART NAME | | 数量<br>Q'TY |
|---|---|---|---|---|
| 1 | 403101 | 旋转油封 | Rotary oil seal | 1 |
| 2 | GB276 6016 | 深沟球轴承 6016 | Ball bearing | 1 |
| 3 | 403103 | 输入二级齿轮 | Input second gear | 1 |
| 4 | 403102 | 旋转油封 | Rotary oil seal | 1 |
| 5 | GB301 51111 | 推力球轴承 51111 | Ball bearing | 1 |
| 6 | 403104 | 输入一级齿轮 | Input first gear | 1 |
| 7 | GB276 6311 | 深沟球轴承 6311 | Ball bearing | 1 |
| 8 | 403105 | 调整垫 | Adjust shim | 1组 |

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# 第13图 变速箱二轴及行星排部件(杭州前进)

# FIG.13 GEARBOX TWO SHAFT AND PLANET LINE PART (HANGZHOU ADVANCE)



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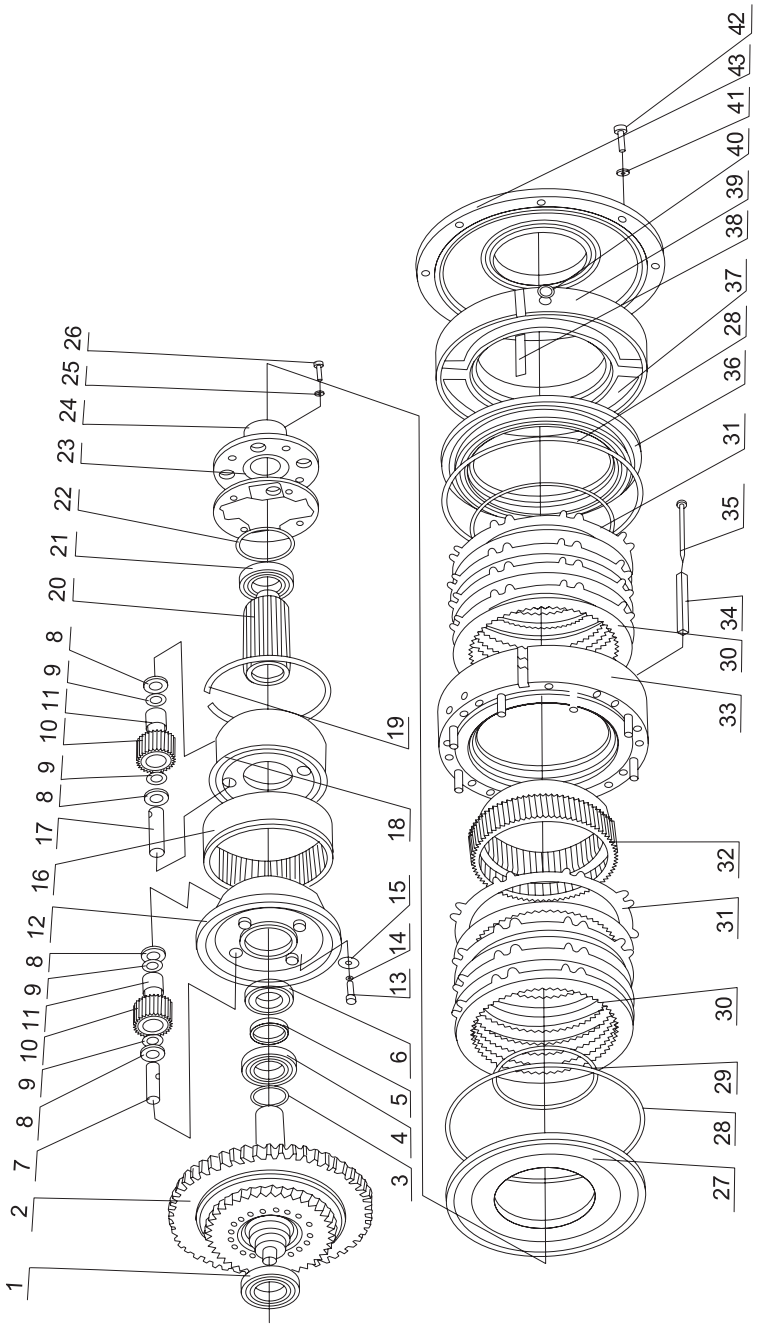
| 序号 NO. | 部件号 PART NO. | 零件名称 PART NAME | | 数量 Q'TY |
|---|---|---|---|---|
| 1 | GB276 6211 | 深沟球轴承 6211 | Ball bearing | 1 |
| 2 | ZL50C 202 002 | 大超越离合器 | Overrun clutch | 1 |
| 3 | 403211 | 隔离环 | Spacer ring | 1 |
| 4 | GB276 6210 | 深沟球轴承 6210 | Ball bearing | 1 |
| 5 | 403212 | 调整圈 | Regulating ring | 1 |
| 6 | GB276 6010 | 深沟球轴承 6010 | Ball bearing | 1 |
| 7 | 403221 | 倒档行星轴 | Reverse gear planet shaft | 4 |
| 8 | 403217 | 垫圈 | Washer | 15 |
| 9 | 403219 | 隔离套 | Distance sleeve | 16 |
| 10 | 403218 | 行星轮 | Planet wheel | 8 |
| 11 | GB309 Φ4×35 | 滚针Φ4×35 | Roller pin | 176 |
| 12 | 403213 | 倒挡行星架 | Reverse gear planet frame | 1 |
| 13 | GB5783 M8×14 | 螺栓M8×14 | Bolt | 4 |
| 14 | GB93 8 | 弹簧垫圈 8 | Washer | 4 |
| 15 | 403215X1 | 止动垫圈 | Lockwasher | 4 |
| 16 | 403216 | 倒档内齿圈 | Reverse gear internal-geared | 1 |
| 17 | 403227X1 | 一档行星轴 | One gear planet shaft | 4 |
| 18 | 403223X1 | 一档行星架 | One gear planet frame | 1 |
| 19 | 403220 | 卡圈 | Collar | 1 |
| 20 | 403226 | 太阳轮 | Sun wheel | 1 |
| 21 | GB305 6210N | 外圈有止动槽的深沟球轴承 6210N | Ball bearing | 1 |
| 22 | GB894.1 90 | 挡圈90 | Stop collar | 1 |
| 23 | 403224X1 | 止动盘 | Arresting disc | 1 |
| 24 | 403225X1 | 直接当连接盘 | Connect disc | 1 |
| 25 | GB93 10 | 弹簧垫圈10 | Washer | 17 |
| 26 | GB5786 M10×1.25×30 | 螺栓M10×1.25×30 | Bolt | 4 |
| 27 | 403018A | 倒挡活塞体 | Piston body | 1 |
| 28 | 403006A | 外密封环 | Outer ring seal | 2 |
| 29 | 403020A | 内密封环 | Inner ring seal | 1 |
| 30 | 503012-013 | 倒挡一档主动片总成 | Active piece assembly | 9 |
| 31 | 403011 | 倒挡一档从动片 | Slave piece | 9 |
| 32 | 403222 | 一档内齿圈 | One gear internal-geared | 1 |
| 33 | 403014-015 | 摩擦片隔离架总成 | Friction disk isolate frame Assembly | 1 |
| 34 | 403017 | 弹簧 | Spring | 15 |

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# 第13图 变速箱二轴及行星排部件(杭州前进)

# FIG.13 GEARBOX TWO SHAFT AND PLANET LINE PART (HANGZHOU ADVANCE)



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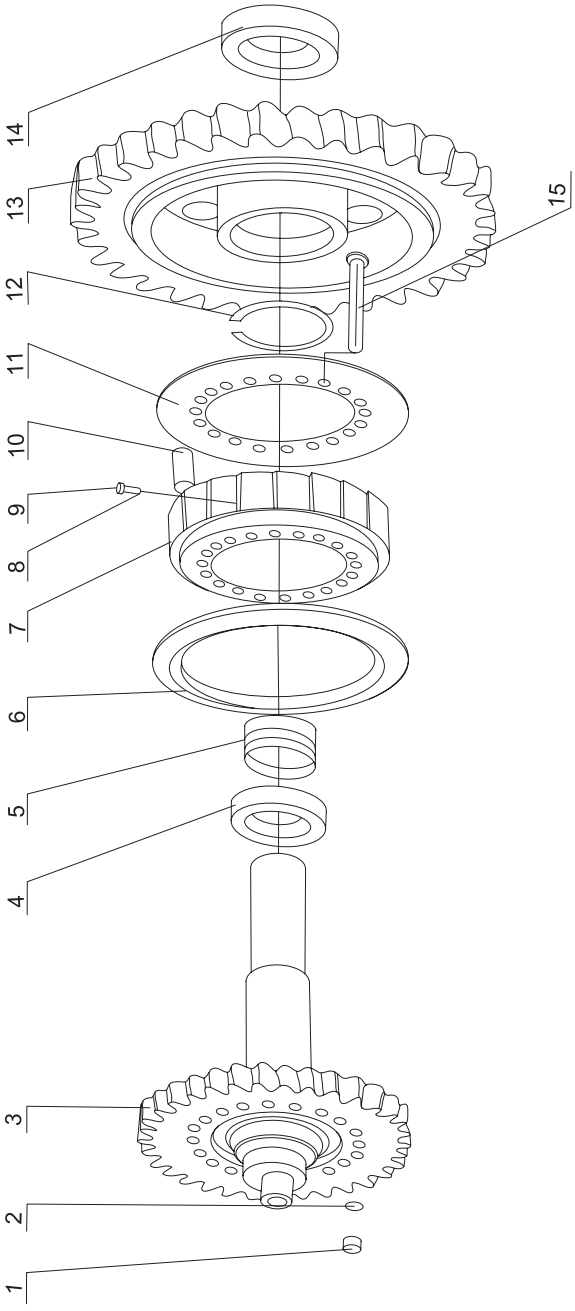
| 序号 NO. | 部件号 PART NO. | 零件名称 PART NAME | | 数量 Q'TY |
|---|---|---|---|---|
| 35 | 403016 | 弹簧销轴 | Spring pin | 15 |
| 36 | 403010A | 内密封环 | Inner ring seal | 1 |
| 37 | 403008A | 一档活塞体 | One gear piston body | 1 |
| 38 | 403023 | 固定板 | Mounted plate | 1 |
| 39 | 403004 | 一挡有缸体 | One gear cylinder body | 1 |
| 40 | GB3452.1 20×2.4 | O形圈20×2.4 | ″O″ ring | 1 |
| 41 | GB93 14 | 弹簧垫圈14 | Washer | 8 |
| 42 | GB5783 M14×40 | 螺栓M14×40 | Bolt | 8 |
| 43 | 403003A | 中盖 | Middle cover | 1 |

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# 第14图 变速箱二轴总成(杭州前进)

# FIG.14 GEARBOX TWO SHAFT ASSY.(HANGZHOU ADVANCE)



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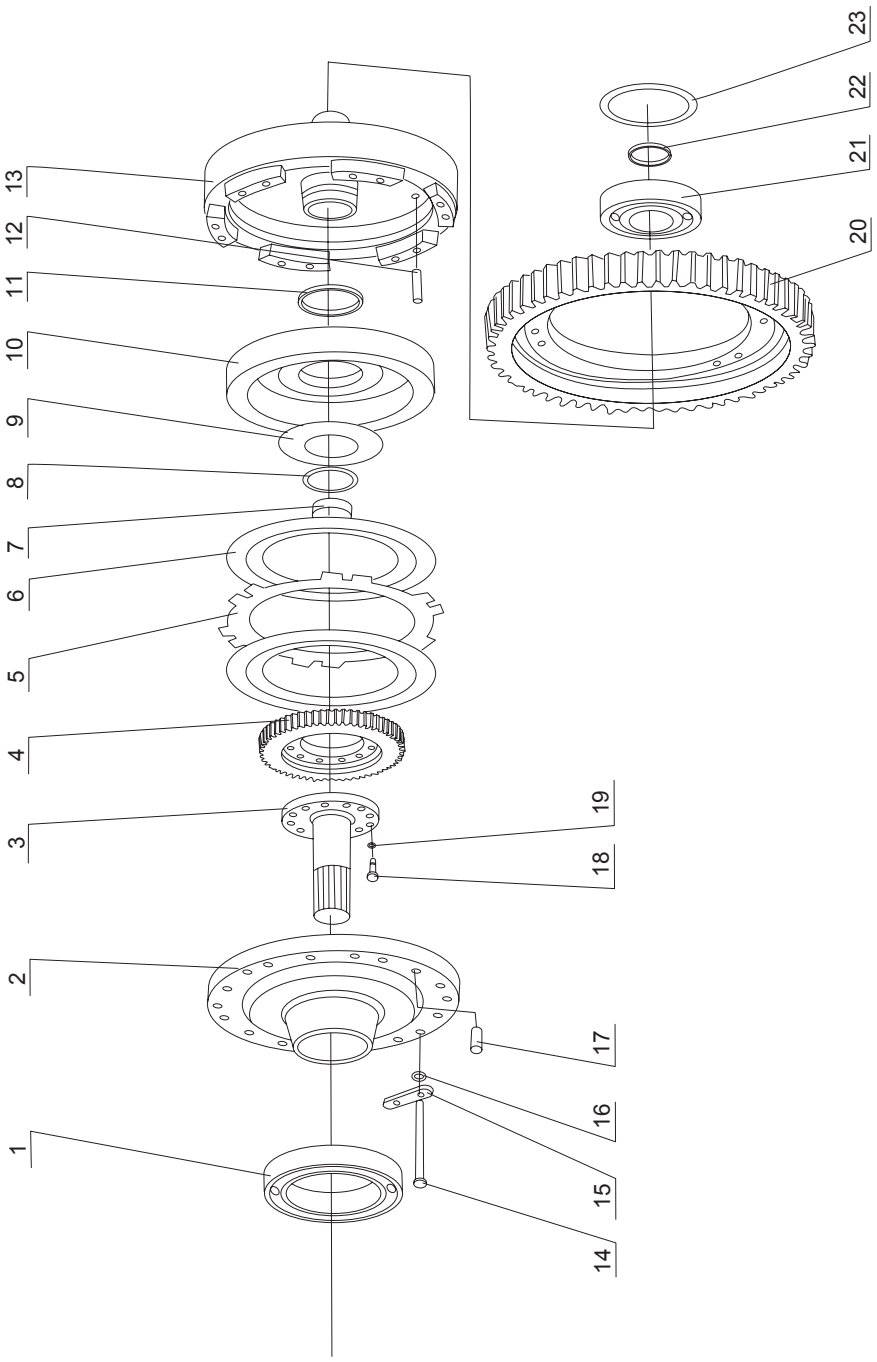
| 序号<br>NO. | 部件号<br>PART NO. | 零件名称<br>PART NAME | | 数量<br>Q'TY |
|---|---|---|---|---|
| 1 | GB6171 M10×1 | 螺母M10×1 | Nut | 20 |
| 2 | GB895 10 | 垫圈10 | Washer | 20 |
| 3 | 403203 | 中间输入轴 | Middle input shaft | 1 |
| 4 | GB276 6211 | 深沟球轴承 6211 | Ball bearing | 1 |
| 5 | 403210 | 隔离套 | Distance sleeve | 1 |
| 6 | 403205A | 滚柱左挡圈 | Left collar | 1 |
| 7 | 403209 | 内环凸轮 | Internal ring jaw | 1 |
| 8 | 403204A | 弹簧 | Spring | 40 |
| 9 | 403202A | 弹簧座 | Spring seat | 40 |
| 10 | 403207A | 滚柱 | Roller | 20 |
| 11 | 403206 | 滚柱右挡圈 | Right collar | 1 |
| 12 | GB893.1 80 | 孔用弹性挡圈80 | Circlip for hole | 1 |
| 13 | 403208A | 外环齿轮 | External ring gear | 1 |
| 14 | GB276 6210 | 深沟球轴承 6210 | Ball bearing | 1 |
| 15 | 403201 | 螺栓 | Bolt | 20 |

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# 第15图 变速箱三轴总成(杭州前进)

# FIG.15 GEARBOX THREE SHAFT ASSY.(HANGZHOU ADVANCE)



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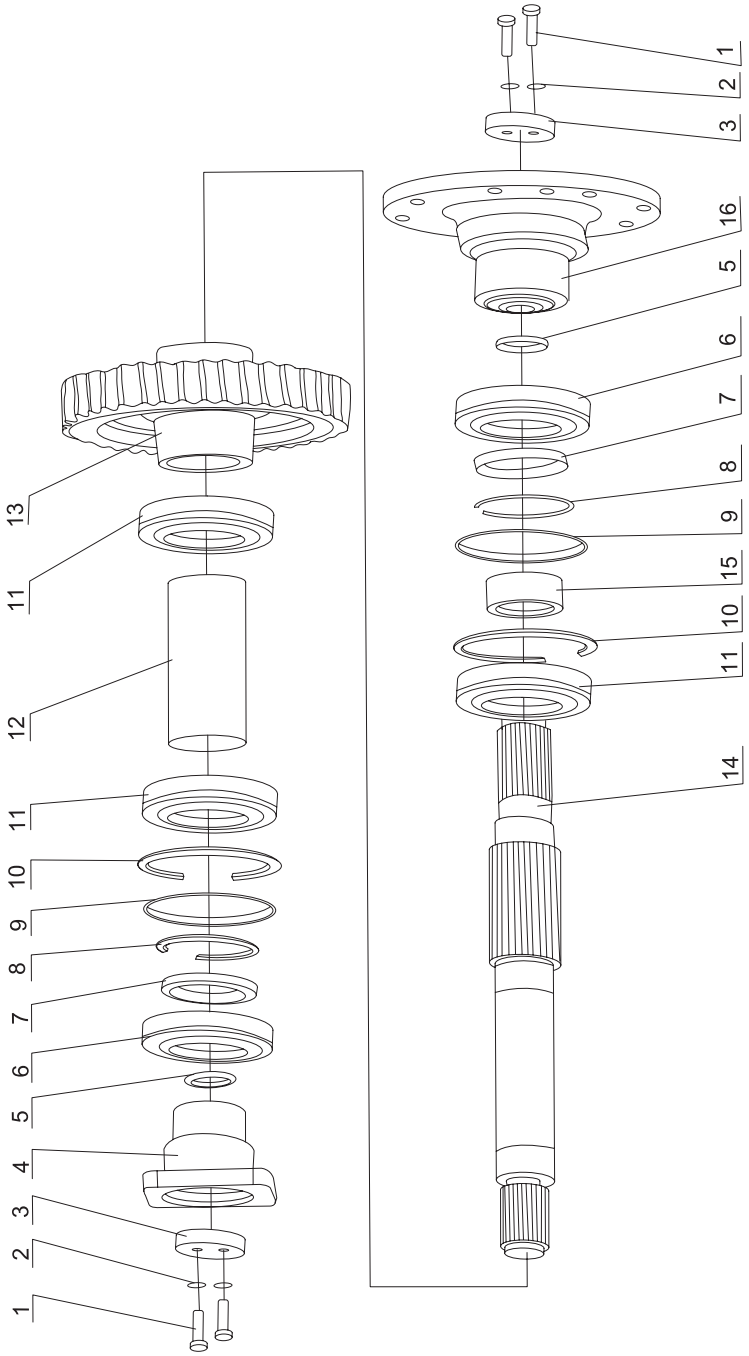
| 序号 NO. | 部件号 PART NO. | 零件名称 PART NAME | | 数量 Q'TY |
|---|---|---|---|---|
| 1 | GB276 6022 | 深沟球轴承 6022 | Ball bearing | 1 |
| 2 | 403501 | 直接挡受压盘 | Pressure disc | 1 |
| 3 | 403502 | 直接档轴 | Direct high shaft | 1 |
| 4 | 403509 | Ⅱ档齿圈 | Gear ring | 1 |
| 5 | 403507 | 直接档从动片 | Direct high slave piece | 1 |
| 6 | 503505-506 | 直接档主动片 | Direct high active piece | 2 |
| 7 | GB276 6204 | 深沟球轴承 6204 | Ball bearing | 1 |
| 8 | GB894.1 65 | 轴用弹性挡圈 65 | Circlip for shaft | 1 |
| 9 | 403513 | 盘型弹簧 | Saucer spring | 1 |
| 10 | 403508-510A | 直接档活塞总成 | Direct high plunger assembly | 1 |
| 11 | 403101 | 旋转油封 | Rotary oil seal | 1 |
| 12 | 403516 | 销 | Pin | 3 |
| 13 | 403512A | 直接档油缸体 | Direct high oil cylinder body | 1 |
| 14 | GB5785 M12×1.25×100 | 螺栓M12×1.25×100 | Bolt | 12 |
| 15 | 403517 | 锁片 | Locking plate | 6 |
| 16 | GB93 12 | 弹簧垫圈12 | Washer | 12 |
| 17 | 403504 | 圆柱销 | Column pin | 6 |
| 18 | GB5783 M8×20 | 螺栓M8×20 | Bolt | 12 |
| 19 | GB93 8 | 弹簧垫圈8 | Washer | 12 |
| 20 | 403511 | 中间轴输出齿轮 | Middle shaft output gear | 1 |
| 21 | GB276 6311 | 深沟球轴承 6311 | Ball bearing | 1 |
| 22 | 403102 | 旋转油封 | Rotary oil seal | 1 |
| 23 | 403105 | 调整垫 | Adjust shim | 1组 |

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# 第16图 变速箱四轴总成(杭州前进)

# FIG.16 GEARBOX FOUR SHAFT ASSY.(HANGZHOU ADVANCE)



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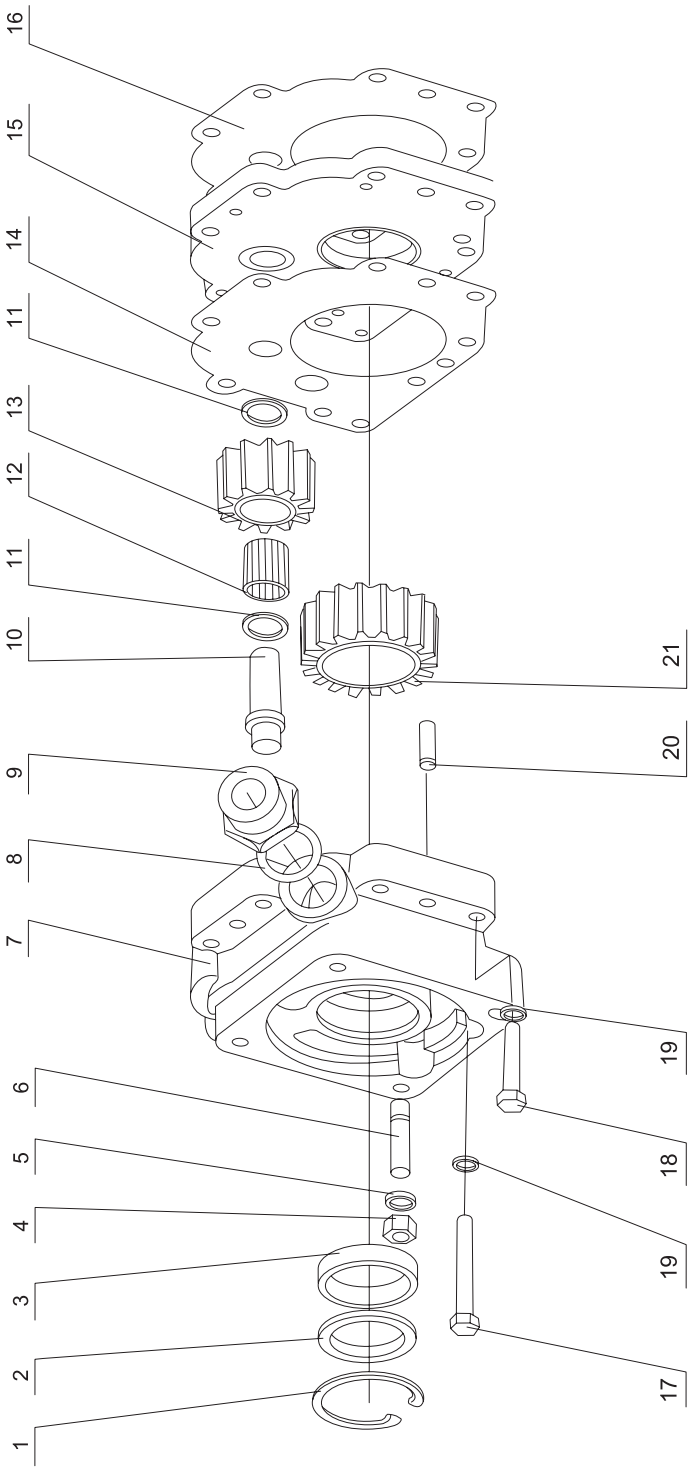
| 序号<br>NO. | 部件号<br>PART NO. | 零件名称<br>PART NAME | | 数量<br>Q'TY |
|---|---|---|---|---|
| 1 | GB5782 M12×40 | 螺栓M12×40 | Bolt | 4 |
| 2 | 403302X7 | 锁片 | Locking plate | 2 |
| 3 | 403303X7 | 压板 | Press plate | 2 |
| 4 | 403301X9C | 法兰 | Flange | 1 |
| 5 | 403315 | O型圈 | ″O″ ring | 2 |
| 6 | 403316 | 油封座 | Oil seal seat | 2 |
| 7 | GB13871.1 | 骨架油封 | Frame oil seal | 4 |
| | FB70×95×12 | FB70×95×12 | | |
| 8 | GB893.1 130 | 孔用挡圈130 | Circlip for hole | 2 |
| 9 | GB3452.1 125×2.65 | O型圈125×2.65 | ″O″ ring | 4 |
| 10 | GB893.1 130 | 孔用弹性挡圈-A型130 | Circlip for hole | 2 |
| 11 | GB276 6312 | 深沟球轴承 6312 | Ball bearing | 3 |
| 12 | 403310X3 | 滑套 | Slide bushing | 1 |
| 13 | 403311 | 输出齿轮 | Output gear | 1 |
| 14 | 403309×7 | 输出轴 | Output shaft | 1 |
| 15 | 403305A | 隔套 | Distance sleeve | 1 |
| 16 | 409109×9C | 法兰 | Flange | 1 |

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# 第17图 变速箱齿轮泵(杭州前进)

# FIG.17 GEARBOX GEAR PUMP(HANGZHOU ADVANCE)



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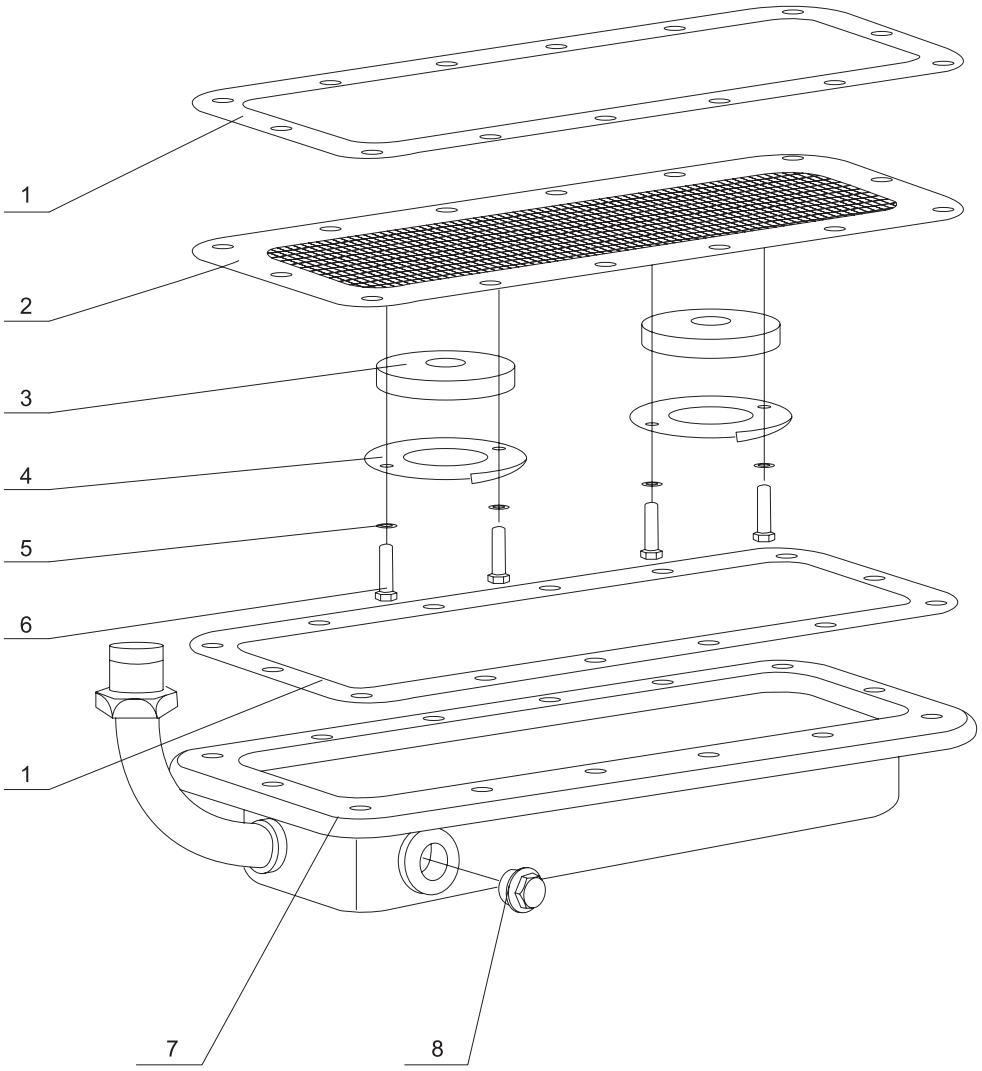
| 序号 NO. | 部件号 PART NO. | 零件名称 PART NAME | | 数量 Q'TY |
|---|---|---|---|---|
| 1 | GB893.1 65 | 挡圈 65 | Collar | 1 |
| 2 | 403604 | 挡环 | Baffle ring | 1 |
| 3 | JB2600 45×62×12 | 骨架油封45×62×12 | Frame oil seal | 1 |
| 4 | GB6170 M12 | 螺母 M12 | Nut | 4 |
| 5 | GB93 12 | 弹簧垫圈 12 | Washer | 4 |
| 6 | GB897 AM12×35 | 双头螺柱AM12X35 | Double-screw bolt | 4 |
| 7 | 403601 | 泵体 | Pump block | 1 |
| 8 | 402106 | 垫圈 | Washer | 1 |
| 9 | 402111 | 变速箱接头 | Gearbox joint | 1 |
| 10 | 403611 | 轴 | Shaft | 1 |
| 11 | 403611 | 隔离套 | Distance sleeve | 2 |
| 12 | GB309 4×30 | 滚针 4×30 | Roller pin | 18 |
| 13 | 403602 | 小齿轮 | Pinion | 1 |
| 14 | 403609 | 密封垫 | Gasket | 1 |
| 15 | 403608 | 泵盖 | Pump cover | 1 |
| 16 | 403606 | 密封垫 | Gasket | 1 |
| 17 | GB5782 M10×75 | 螺栓 M10X75 | Bolt | 1 |
| 18 | GB5782 M10×50 | 螺栓 M10×50 | Bolt | 6 |
| 19 | GB93 10 | 弹簧垫圈10 | Washer | 8 |
| 20 | GB119.1 AM10×30 | 销 A10×30 | Pin | 2 |
| 21 | 403605 | 大齿轮 | Bull gear | 1 |

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# 第18图 变速箱油底壳(杭州前进)

# FIG.18 GEARBOX OIL SUMP TANK(HANGZHOU ADVANCE)



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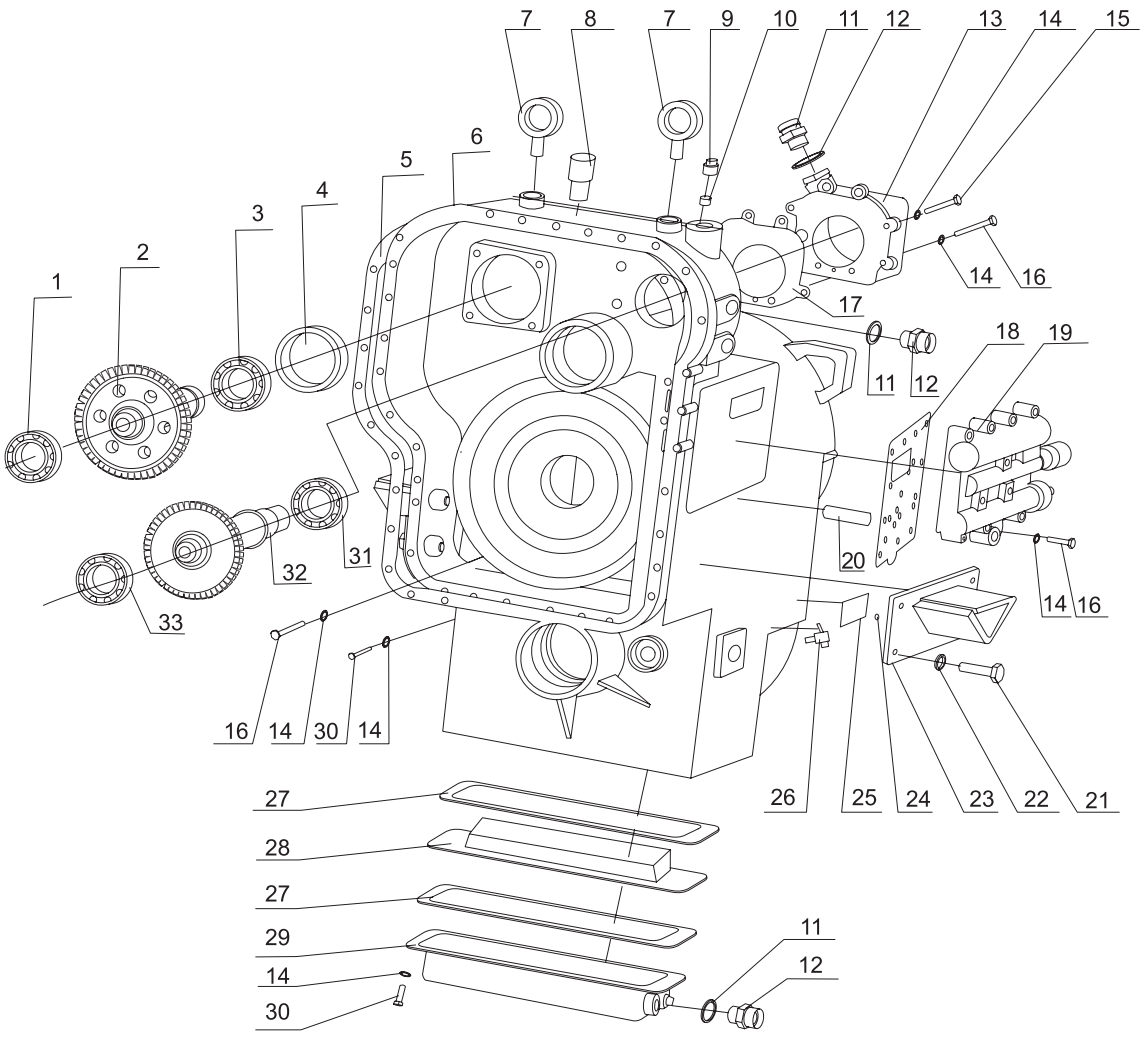
| 序号<br>NO. | 部件号<br>PART NO. | 零件名称<br>PART NAME | | 数量<br>Q'TY |
|---|---|---|---|---|
| 1 | 403406 | 密封垫 | Gasket | 2 |
| 2 | 403403-404 | 滤网支架 | Filter screen bracket | 1 |
| 3 | 403408 | 永久磁铁 | Permanent magnet | 2 |
| 4 | 403405 | 垫板 | Backing plate | 2 |
| 5 | GB93 6 | 弹簧垫圈6 | Washer | 4 |
| 6 | GB5783 M6×25 | 螺栓M6×25 | Bolt | 4 |
| 7 | 403401-402-014 | 油底壳体 | Oil sump tank body | 1 |
| 8 | Q21-15A-02 | 放油螺塞M22×1.5 | Drain plug | 1 |

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# 第19图 变速箱总成1(370801)

# FIG.19 GEARBOX ASSEMBLY 1



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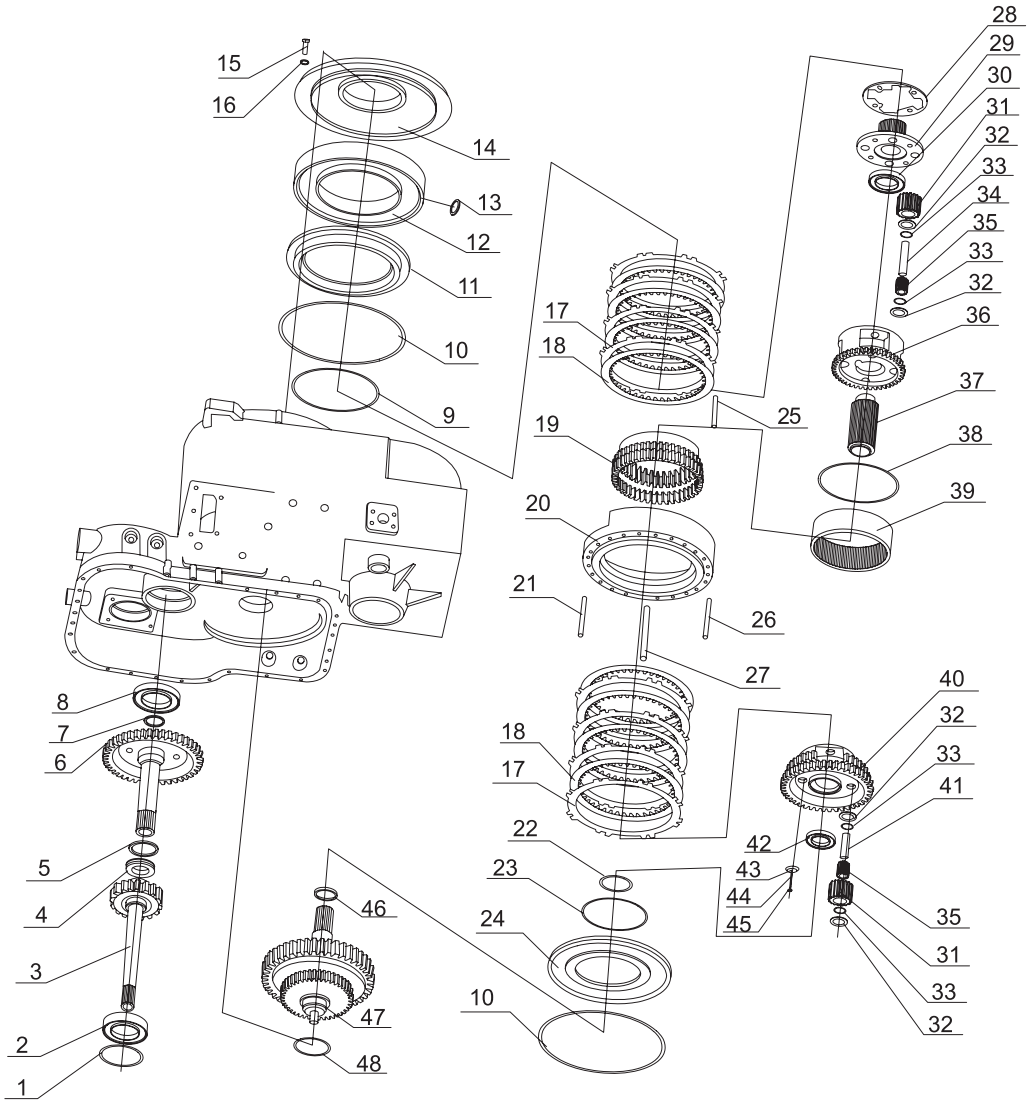
| 序号 NO. | 部件号 PART NO. | 零件名称 PART NAME | | 数量 Q'TY |
|---|---|---|---|---|
| 1 | GB276 6210NR | 轴承6210NR | Bearing | 1 |
| 2 | BD15-00011A | 转向油泵轴齿轮 | Gear | 1 |
| | BD15-00012B | 转向油泵轴齿轮 | Gear | 1 |
| 3 | GB276 6211 | 轴承6211 | Bearing | 1 |
| 4 | BD15-00013A | 轴承座 | Bearing base | 1 |
| 5 | BD15-00010 | 密封垫 | Gasket | 1 |
| 6 | BD15-00005A | 箱体 | Housing | 1 |
| 7 | 04530-12035 | 吊环螺钉M20 | Screw | 2 |
| 8 | BD15-07000 | 呼吸器总成 | Breather assembly | 1 |
| 9 | YB315Z5-15 | 螺塞 | Plug | 1 |
| 10 | BD15-00017 | 圆柱堵塞 | Pin | 1 |
| 11 | YB315Z5-14S | 管接头 | Pipe connector | 4 |
| 12 | YB315Z5-09 | 组合垫圈 | Combined washer | 4 |
| 13 | BD15-11000 | 变速泵 | Transmission pump | 1 |
| 14 | 01602-11030 | 垫圈10 | Washer | 61 |
| 15 | 01010-81055 | 螺栓M10×55 | Bolt | 6 |
| 16 | 01010-81070 | 螺栓M10×70 | Bolt | 20 |
| 17 | BD15-00007 | 密封垫 | Gasket | 1 |
| 18 | BD15-00018 | 密封垫 | Gasket | 1 |
| 19 | BD15-09000 | 变速操纵阀 | Transmission control valve | 1 |
| 20 | BD15-00019 | 圆柱销 | Pin | 1 |
| 21 | 01010-81840 | 螺栓M18×40 | Bolt | 8 |
| 22 | 01602-11854 | 垫圈18 | Washer | 8 |
| 23 | BD15-10000 | 支座 | Support | 2 |
| 24 | 04418-03060 | 铆钉 | Rivet | 4 |
| 25 | BD15-00025A | 铭牌 | Nameplate | 1 |
| 26 | 1305C-010 | 检油塞R1/4 | Oil Plug | 1 |
| 27 | BD15-06004 | 密封垫 | Gasket | 2 |
| 28 | BD15-06100 | 滤网组件 | Filter module | 1 |
| 29 | BD15-06200 | 外壳组件 | Crust module | 1 |
| 30 | 01010-81030 | 螺栓M10×30 | Bolt | 40 |
| 31 | GB276 6012 | 轴承6012 | Bearing | 1 |
| 32 | BD15-00006A | 轴齿轮 | Shaft gear | 1 |
| 33 | GB276 6210NR | 轴承6210NR | Bearing | 1 |

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# 第20图 变速箱总成2(370801)

# FIG.20 GEARBOX ASSEMBLY 2



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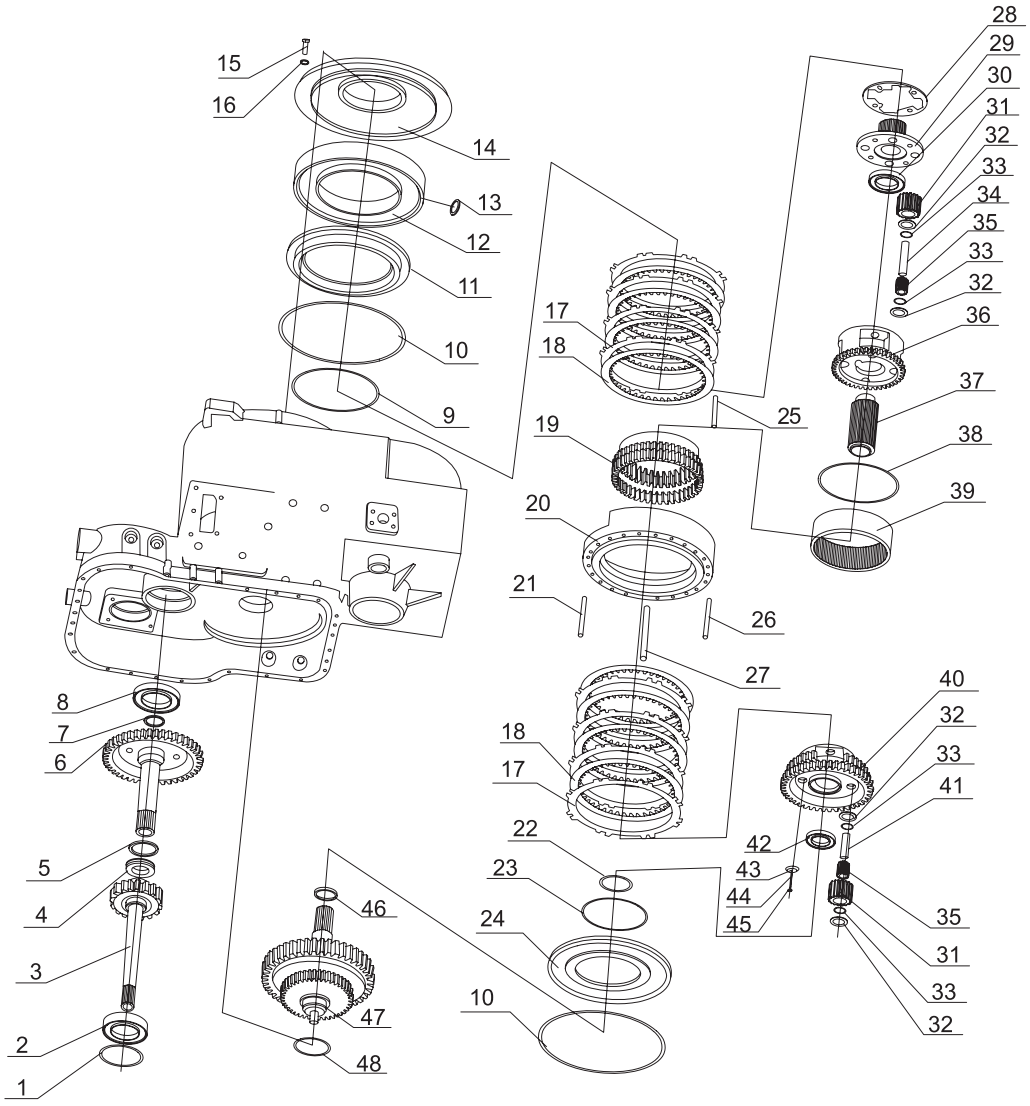
| 序号 NO. | 部件号 PART NO. | 零件名称 PART NAME | | 数量 Q'TY |
|---|---|---|---|---|
| 1 | BD15-01003 | 旋转油封 | Seal | 1 |
| 2 | GB276 6016 | 轴承6016 | Bearing | 1 |
| 3 | BD15-01001A | 输入一级齿轮 | Gear | 1 |
| 4 | GB301 51111 | 单向推力球轴承51111 | Bearing | 1 |
| 5 | BD15-01004 | 旋转油封 | Seal | 1 |
| 6 | BD15-01002A | 输入二级齿轮 | Gear | 1 |
| 7 | BD15-01005 | 调整垫(选配) | Adjusting gasket(optional) | 1 |
| | BD15-01006 | 调整垫(选配) | Adjusting gasket (optional) | 1 |
| | BD15-01007 | 调整垫(选配) | Adjusting gasket (optional) | 1 |
| 8 | GB276 6311 | 轴承 6311 | Bearing | 1 |
| 9 | BD15-05011 | 一档密封环 | Seal | 1 |
| 10 | BD15-05001 | 外密封环 | Seal | 2 |
| 11 | BD15-05008 | 一档活塞体 | Piston | 1 |
| 12 | BD15-05013 | 一档油缸体 | Cylinder body | 1 |
| 13 | 07000-72016 | O形圈16×2.4 | O-ring | 1 |
| 14 | BD15-05010 | 中盖 | Cover | 1 |
| 15 | 01010-81440 | 螺栓M14×40 | Bolt | 8 |
| 16 | 01602-11442 | 垫圈14 | Washer | 8 |
| 17 | BD15-05007 | 倒档一档从动片 | Passive disc | 8 |
| 18 | BD15-05200 | 倒档一档主动片 | Driving disc | 8 |
| 19 | BD15-05012 | 一档内齿圈 | Ring gear | 1 |
| 20 | BD15-05006 | 摩擦片隔离架 | Bracket | 1 |
| 21 | BD15-05005 | 弹簧销轴 | Pin roll | 15 |
| 22 | 04065-09030 | 孔用挡圈90 | Circlip | 1 |
| 23 | BD15-05003 | 倒档密封环 | Seal ring | 1 |
| 24 | BD15-05002 | 倒档活塞体 | Piston | 1 |
| 25 | BD15-05014 | 固定板 | Plate | 1 |
| 26 | BD15-05015 | 固定销 | Pin | 8 |
| 27 | BD15-05004 | 弹簧 | Spring | 15 |
| 28 | BD15-05306 | 止动盘 | Stop pan | 1 |
| 29 | BD15-05307 | 直接挡连接盘 | Connect pan | 1 |
| 30 | GB276 6210N | 轴承6210N | Bearing | 1 |
| 31 | BD15-05105 | 行星轮 | Planet | 8 |
| 32 | BD15-05102 | 垫圈 | Washer | 16 |
| 33 | BD15-08104 | 隔离套 | Sleeve | 16 |
| 34 | BD15-05305 | 一档行星轴 | Shaft | 4 |

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# 第20图 变速箱总成2(370801)

# FIG.20 GEARBOX ASSEMBLY 2



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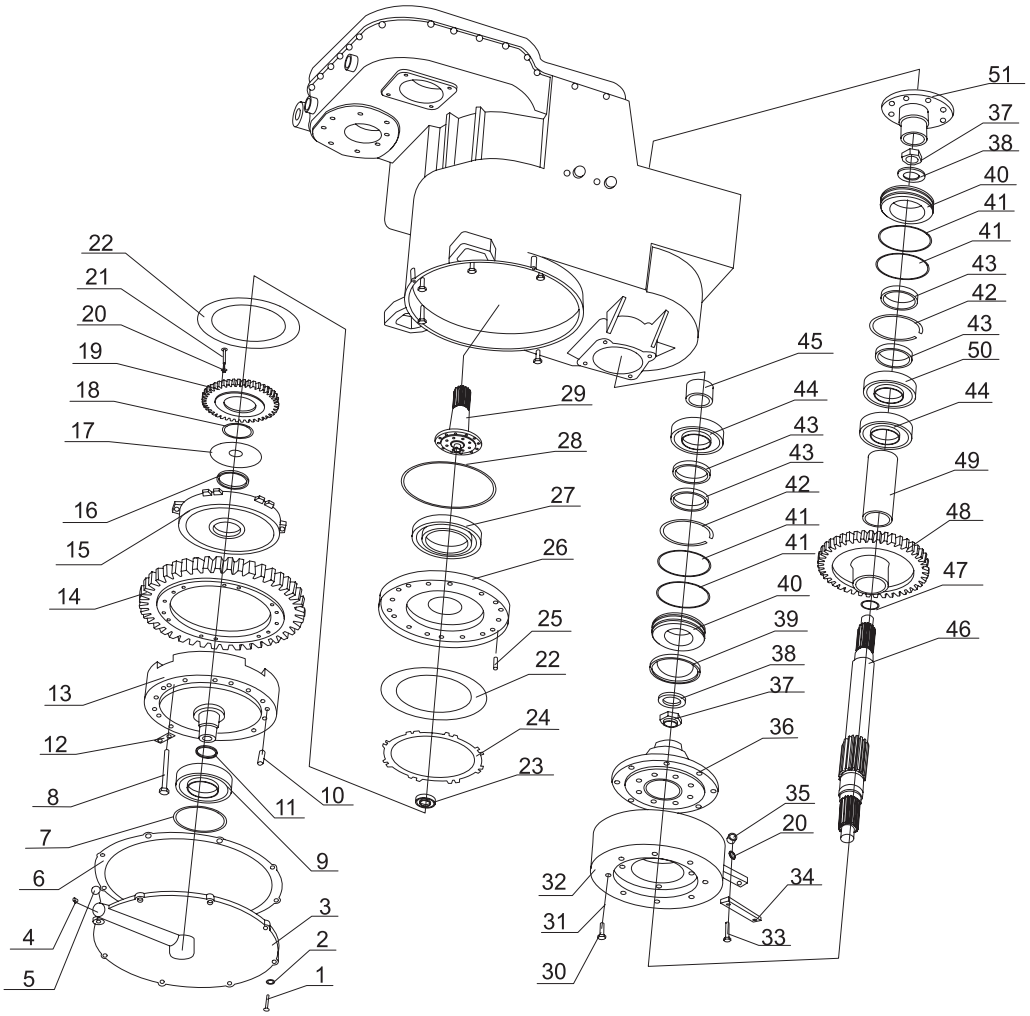
| 序号<br>NO. | 部件号<br>PART NO. | 零件名称<br>PART NAME | | 数量<br>Q'TY |
|---|---|---|---|---|
| 35 | GB309 4×35 | 滚针4×35 | Needle | 176 |
| 36 | BD15-05303 | 一档行星架 | Planetary carrier | 1 |
| 37 | BD15-05301 | 太阳轮 | Sun gear | 1 |
| 38 | BD15-05304 | 挡圈 | Snap ring | 1 |
| 39 | BD15-05302 | 倒档内齿圈 | Ring gear | 1 |
| 40 | BD15-05101 | 倒档行星架 | Planetary carrier | 1 |
| 41 | BD15-05103 | 倒档行星轴 | Planetary Shaft | 4 |
| 42 | GB276 6010 | 轴承6010 | Bearing | 1 |
| 43 | BD15-05106 | 止垫推圈 | Shims | 4 |
| 44 | 01602-11236 | 垫圈12 | Washer | 4 |
| 45 | GB5785 M12×1.25×30 | 螺栓 M12×1.25×30 | Bolt | 4 |
| 46 | BD15-00001 | 调整垫(选配) | Adjusting gasket(optional) | 1组 |
| 47 | BD15-02000 | 离合器总成 | Clutch assembly | 1 |
| 48 | BD15-00002/3/4 | 调整垫(选配) | Adjusting gasket (optional) | 1 |

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# 第21图 变速箱总成3（370801）

# FIG.21 GEARBOX ASSEMBLY 3



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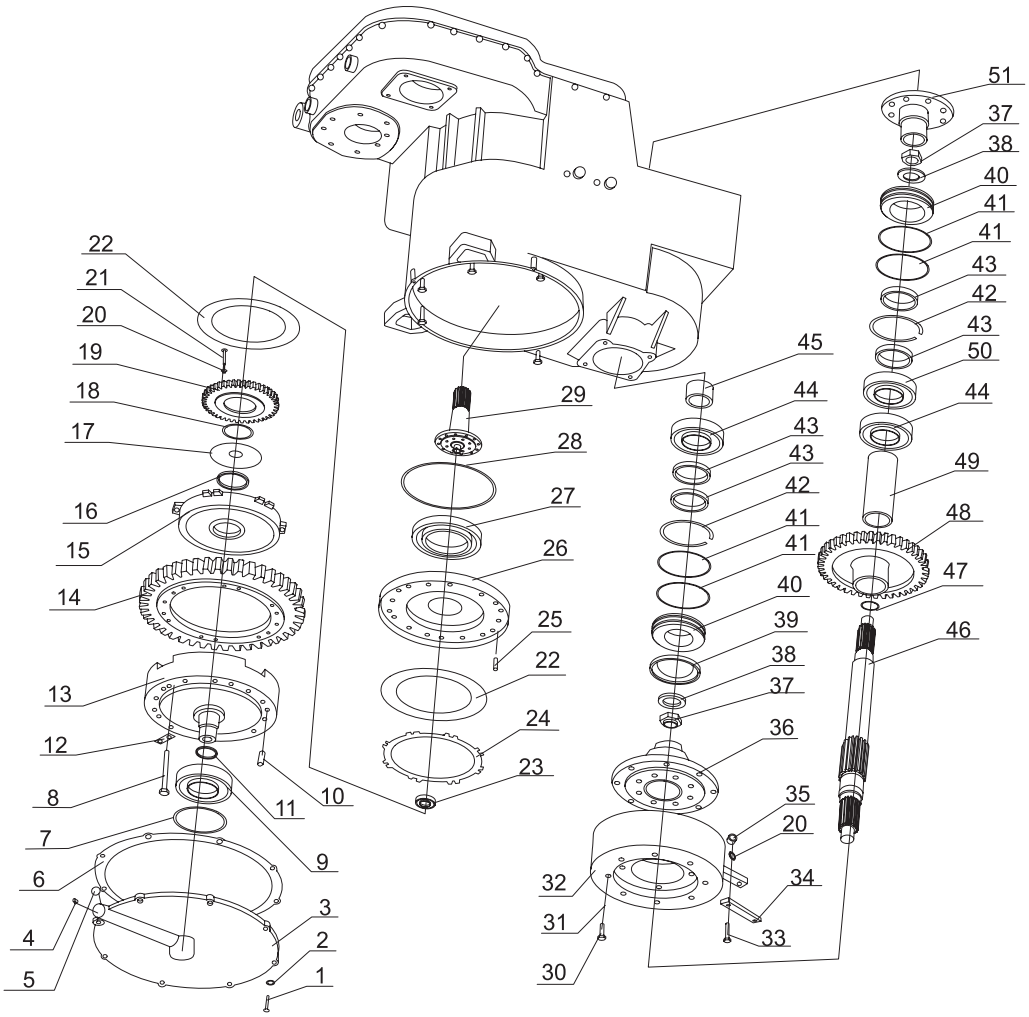
| 序号 NO. | 部件号 PART NO. | 零件名称 PART NAME | | 数量 Q'TY |
|---|---|---|---|---|
| 1 | 01016-81030 | 螺栓M10×30 | Bolt | 8 |
| 2 | 01602-11030 | 垫圈10 | Washer | 8 |
| 3 | BD15-00009 | 端盖 | Cover | 1 |
| 4 | 07042-00211 | 螺塞 | Plug screw | 1 |
| 5 | 07000-72020 | O形圈20×2.4 | O-ring | 1 |
| 6 | BD15-00008 | 密封垫 | Gasket | 1 |
| 7 | BD15-00014/15/16 | 调整垫(选配) | Adjusting gasket(optional) | 1 |
| 8 | GB5785 M12×1.25×100 | 螺栓 M12×1.25×100 | Bolt | 12 |
| 9 | GB276 6411 | 轴承6411 | Bearing | 1 |
| 10 | 04020-01030 | 销 | Pin | 2 |
| 11 | BD15-01004 | 旋转油封 | Seal | 1 |
| 12 | BD15-03004 | 锁片 | Lock shim | 6 |
| 13 | BD15-03008 | 直接档油缸体 | Cylinder body | 1 |
| 14 | BD15-03009A | 中间轴输出齿轮 | Mid-shaft output gear | 1 |
| 15 | BD15-03006 | 直接档活塞 | Piston | 1 |
| 16 | BD15-01003 | 旋转油封70×78×5 | Seal | 1 |
| 17 | BD15-03005 | 盘型弹簧 | Spring | 1 |
| 18 | 04064-06525 | 挡圈65 | Circlip | 1 |
| 19 | BD15-03011 | Ⅱ档内齿圈 | Ring gear | 1 |
| 20 | 01602-11030 | 垫圈10 | Washer | 14 |
| 21 | 01010-81020 | 螺栓M10×20 | Bolt | 12 |
| 22 | BD15-03100 | 直接档主动片 | Driving disc | 2 |
| 23 | GB276 6204 | 轴承6204 | Bearing | 1 |
| 24 | BD15-03003 | Ⅱ档从动片 | Passive disc | 1 |
| 25 | BD15-03010 | 圆柱销 | Pin | 1 |
| 26 | BD15-03002 | 直接档受压盘 | Pressing pan | 1 |
| 27 | GB276 6022 | 轴承6022 | Bearing | 1 |
| 28 | BD15-03007 | 密封环 | Seal | 1 |
| 29 | BD15-03001 | 直接档轴 | Shaft | 1 |
| 30 | GB5785 M12×1.5×30 | 螺栓 M12×1.5×30 | Bolt | 8 |
| 31 | 01602-11236 | 垫圈12 | Washer | 8 |
| 32 | BD15-12000 | 制动器总成 | Brake assembly | 1 |
| 33 | 01010-81035 | 螺栓M10×35 | Nut | 2 |
| 34 | BD15-00024 | 制动器连杆 | Brake joint | 1 |
| 35 | 01580-01008 | 螺母M10 | Nut | 2 |
| 36 | BD15-04009 | 前输出法兰 | Flange | 1 |

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# 第21图 变速箱总成3（370801）

# FIG.21 GEARBOX ASSEMBLY 3



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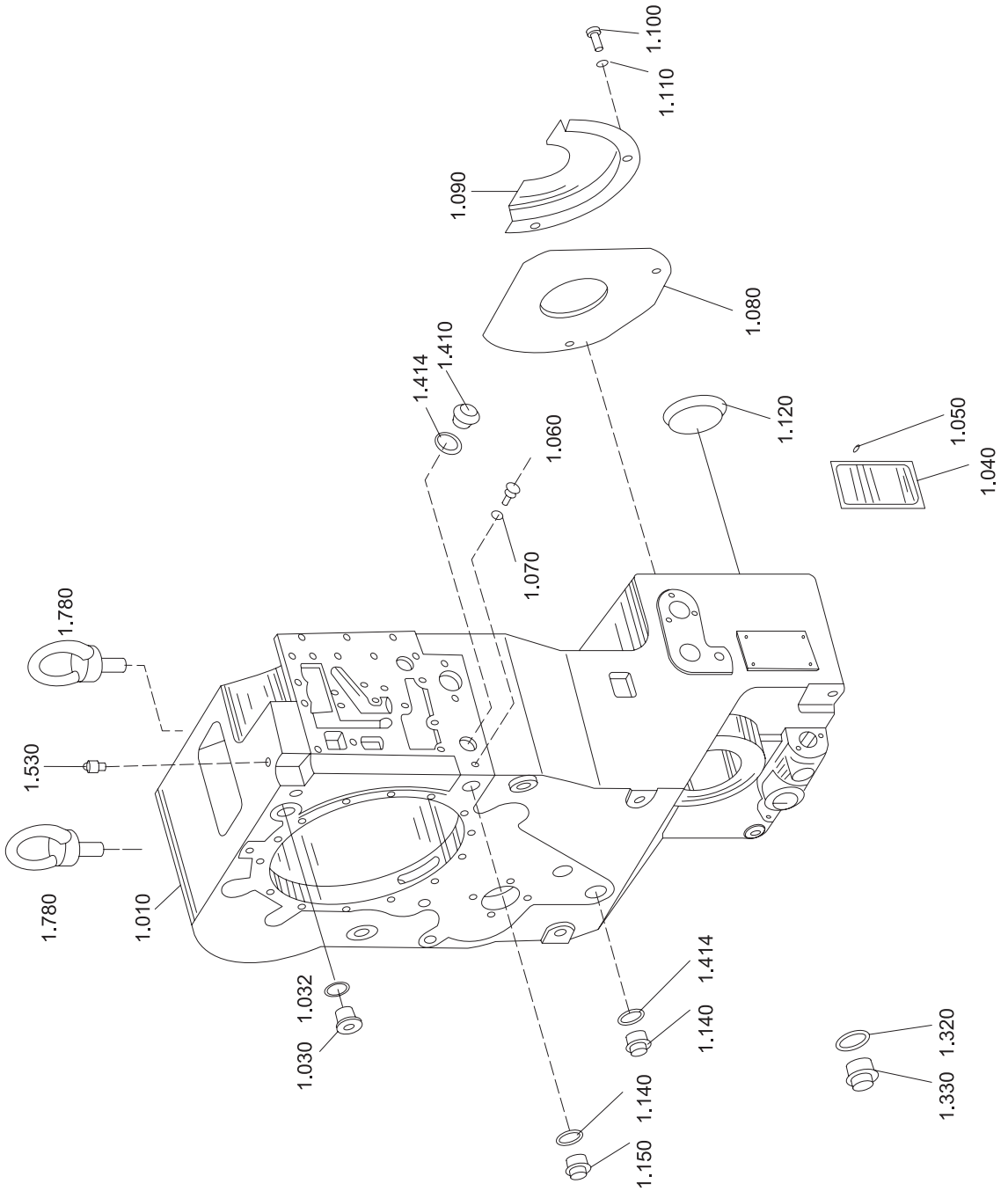
| 序号 NO. | 部件号 PART NO. | 零件名称 PART NAME | | 数量 Q'TY |
|---|---|---|---|---|
| 37 | BD15-04001 | 锁紧螺母 | Lock nut | 2 |
| 38 | BD15-04010 | 压板 | Press plate | 1 |
| 39 | BD15-04008 | 防护罩 | Security cover | 1 |
| 40 | BD15-04003 | 油封座 | Seal base | 2 |
| 41 | 07000-05120 | O形圈130×5.7 | O-ring | 4 |
| 42 | GB893.1 130×3 | 孔用挡圈130×3 | Circlip | 2 |
| 43 | 07012-00070 | 骨架油封70×95×12 | Seal | 4 |
| 44 | GB276 6312 | 轴承6312 | Bearing | 2 |
| 45 | BD15-04007 | 轴套 | Shaft sleeve | 1 |
| 46 | BD15-04004 | 输出轴 | Output shaft | 1 |
| 47 | GB3452.3 42.5×5.3 | O形圈42.5×5.3 | O-ring | 1 |
| 48 | BD15-04006A | 输出齿轮 | Output gear | 1 |
| 49 | BD15-04005 | 隔套 | Separate cover | 1 |
| 50 | GB276 6410 | 轴承6410 | Bearing | 1 |
| 51 | BD15-04002 | 后输出法兰 | Flange | 1 |

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# 第22图 4WG180变速箱箱体部件

# FIG.22 FIG.5 GEARBOX CASE PART



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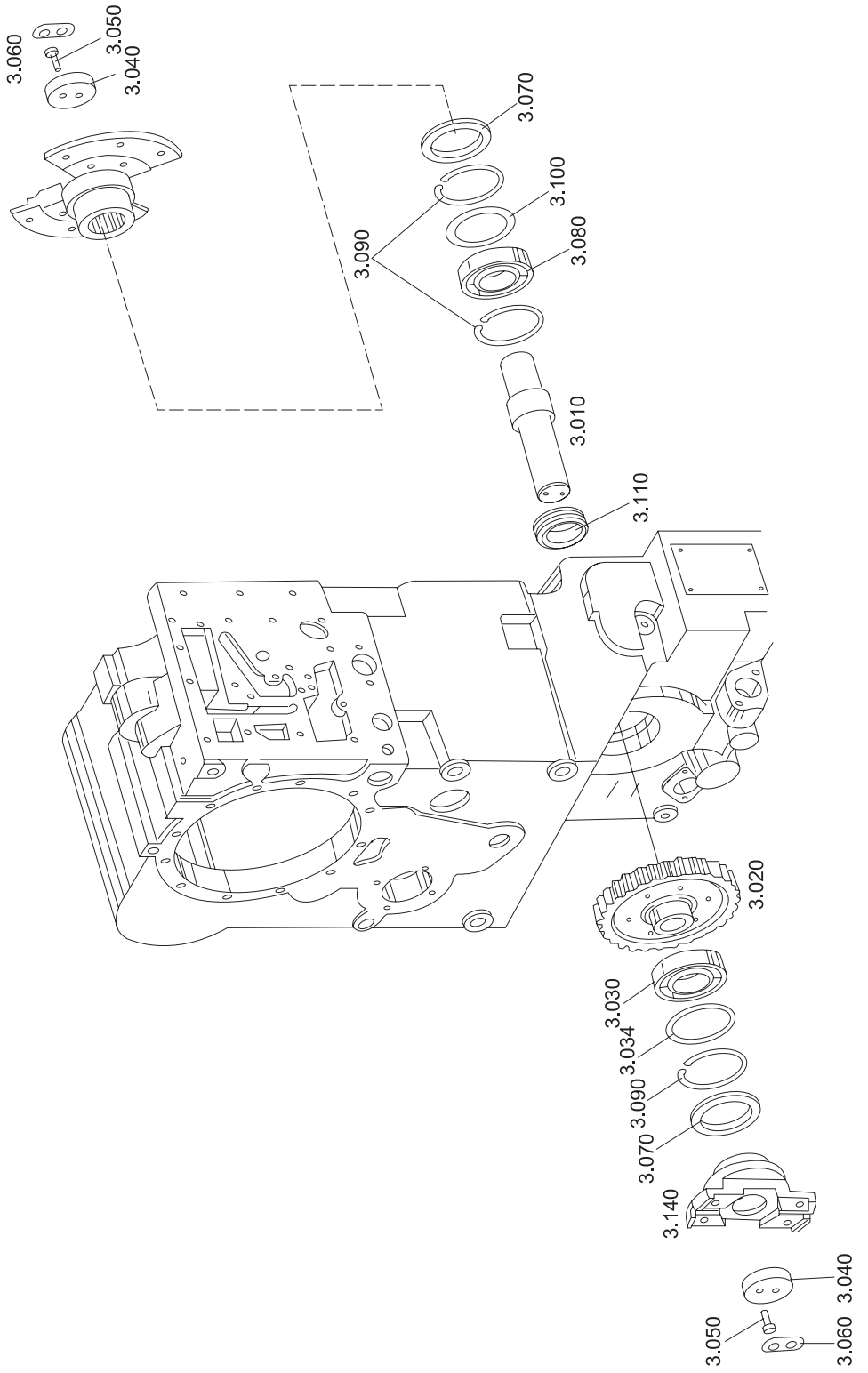
| 序号 NO. | 部件号 PART NO. | 零件名称 PART NAME | | 数量 Q'TY |
|---|---|---|---|---|
| 010 | 4644 301 225 | 箱体 | Case | 1 |
| 030 | 0636 302 027 | 螺塞 M30×1.5 | Plug Screw | 1 |
| 032 | 0634 304 275 | O型圈27×2 | O-ring | 1 |
| 040 | 0730 365 867H | 铭牌 | Name Plate | 1 |
| 050 | 0631 311 009 | 铆钉3×5 | Rivet | 4 |
| 060 | 0636 305 007 | 螺塞AM14×1.5 | Plug Screw | 1 |
| 070 | 0634 306 522 | O形圈11×2 | O-ring | 1 |
| 080 | 4644 301 007 | 盖板 | Cover Plate | 1 |
| 090 | 4644 301 192 | 盖板 | Cover Plate | 1 |
| 100 | 0636 015 278 | 六角头螺塞M8×16 | Bolt | 2 |
| 110 | 0630 001 012 | 垫圈8.4 | Washer | 2 |
| 120 | 4466 351 081 | 密封罩 | Seal Cover | 2 |
| 130 | 4644 301 088 | 密封盖 | Seal Cover | 2 |
| 140 | 0634 801 098 | 紫铜垫圈A30×36 | Copper Washer | 1 |
| 150 | 0636 305 023 | 螺塞AM30×1.5 | Plug Screw | 1 |
| 320 | 0634 801 250 | 垫圈A38×44 | Washer | 1 |
| 330 | 0636 305 026H | 螺塞CM38×1.5 | Plug Screw | 1 |
| 410 | 0637 510 206 | 螺塞AM30×1.5 | Plug Screw | 2 |
| 414 | 0634 304 275 | O形圈27×2 | O-ring | 2 |
| 530 | 0750 131 027 | 通气冒 | Aeration Cap | 1 |
| 780 | 0636 304 020 | 吊环M20 | Ring | 2 |

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# 第23图 4WG180变速箱输出部件

# FIG.23 GEARBOX OUTPUT PART



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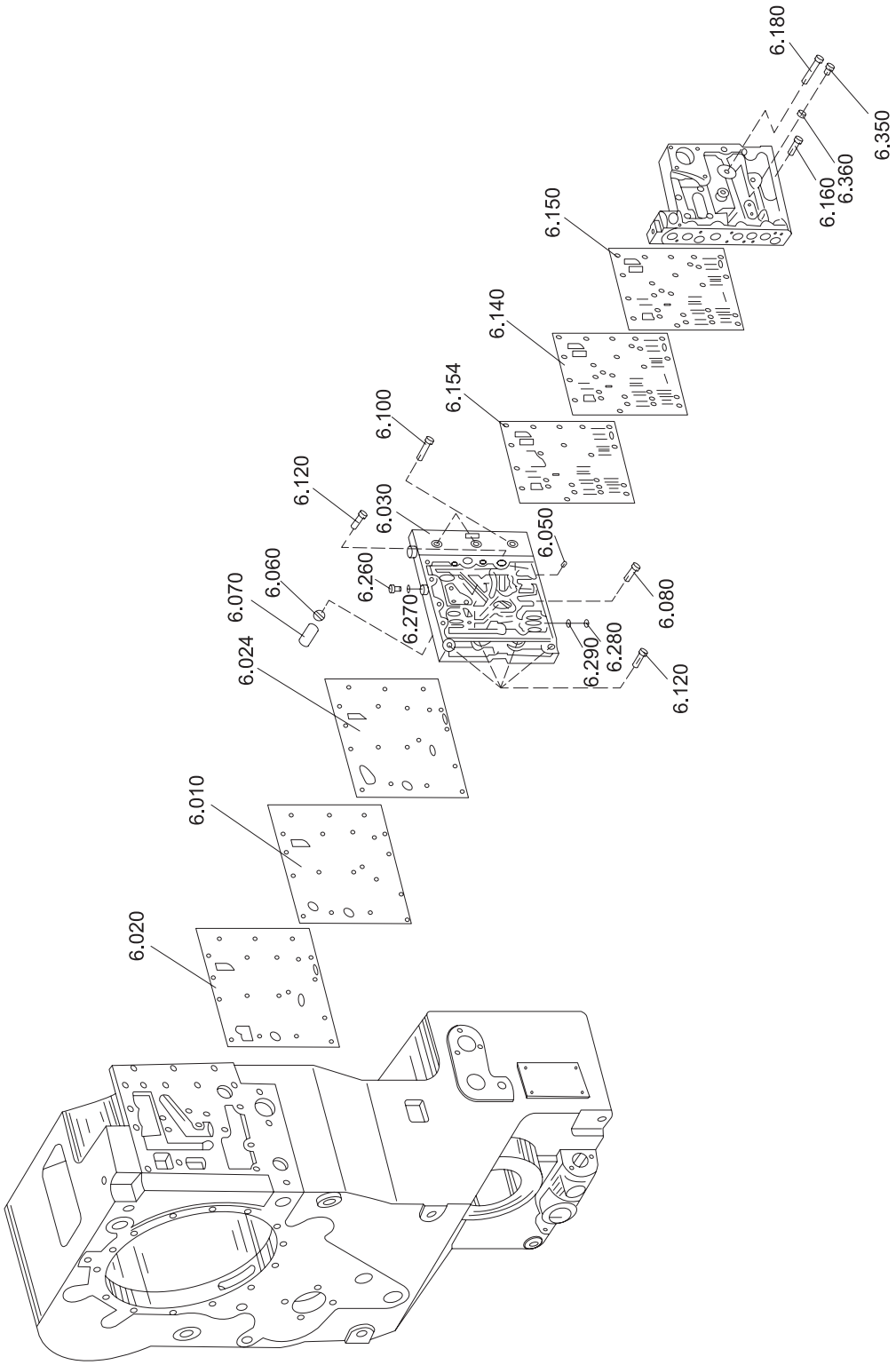
| 序号 NO. | 部件号 PART NO. | 零件名称 PART NAME | | 数量 Q'TY |
|---|---|---|---|---|
| 010 | 4644 303 216 | 输出轴 | Output Shaft | 1 |
| 020 | 4644 303 226 | 输出齿轮 | Output Gear | 1 |
| 030 | 0635 416 285 | 滚柱轴承NJ213EC3 | Cylinder Bearing | 1 |
| 034 | 1204 308 062 | 调整垫片 | Adjusting Shim | 1 |
| 040 | 4620 303 247 | 压板 | Press Plate | 2 |
| 050 | 0636 015 127 | 螺栓M10×30 | Bolt | 4 |
| 060 | 1269 302 164 | 螺栓锁片 | Bolt Locking Plate | 2 |
| 070 | 0750 111 116 | 轴用密封圈 | Shaft Gasket | 2 |
| 080 | 0750 116 134 | 球轴承6311C3 | Ball Bearing | 1 |
| 090 | 0630 502 048 | 孔用挡圈120×4 | Hole Collar | 3 |
| 100 | 0769 120 338 | 调整垫片 | Adjusting Shim | 1 |
| 110 | 0730 062 296 | 轴套 | Axile Bush | 1 |
| 140 | 4644 303 389 | 输出法兰AD=150 | Output Flange | 1 |
| 190 | 0636 021 150 | 螺栓M12×1.5×40 | Bolt | 8 |
| 192 | 0637 106 095 | 螺母M12×1.5 | Nut | 8 |

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# 第24图 4WG180变速箱操纵部件

# FIG.24 GEARBOX CONTROL PART



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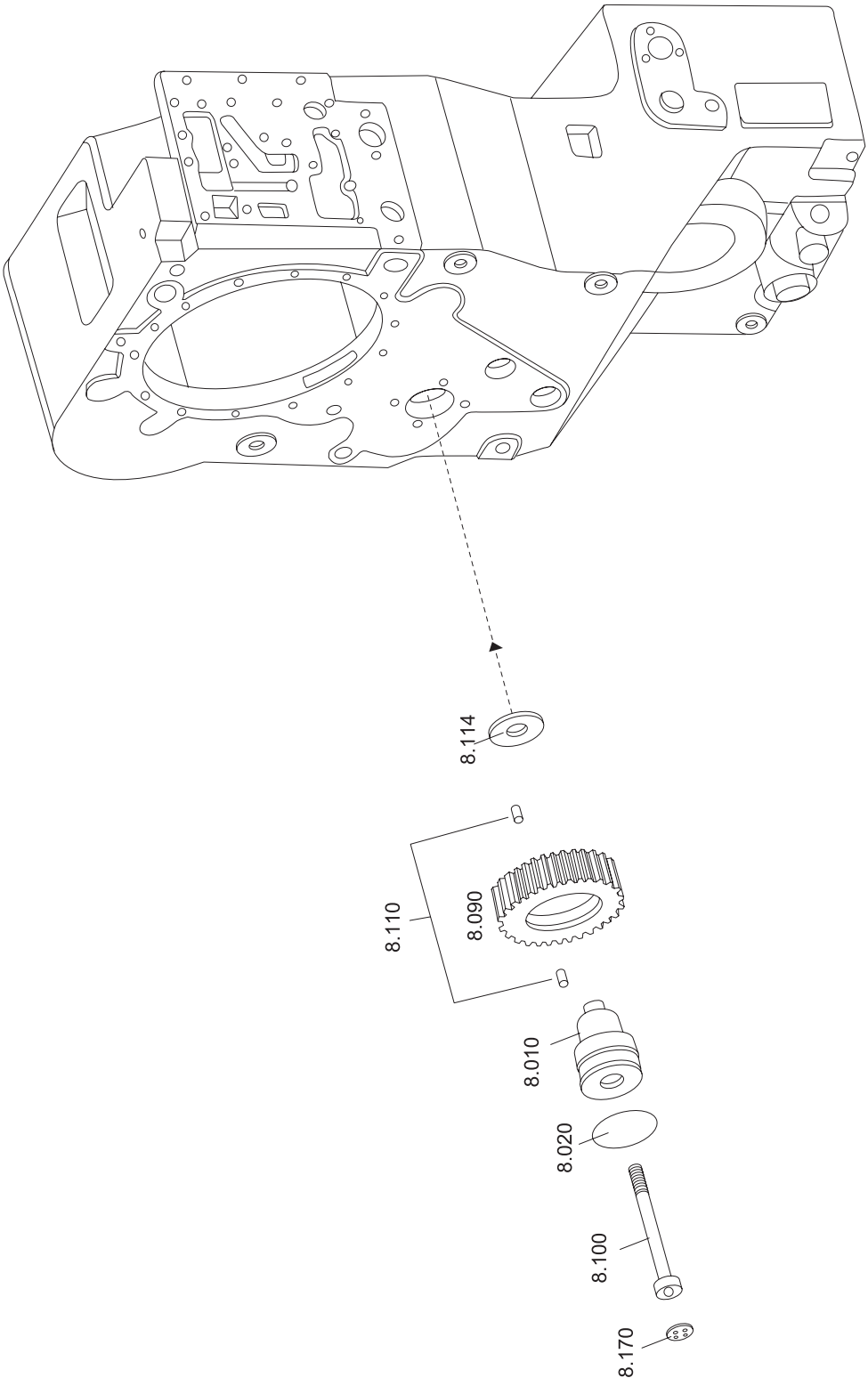
| 序号 NO. | 部件号 PART NO. | 零件名称 PART NAME | | 数量 Q'TY |
|---|---|---|---|---|
| 010 | 4642 306 050 | 下隔板 | Lower Partition | 1 |
| 020 | 4644 306 464 | 密封垫 | Sealing Plate | 1 |
| 024 | 4644 306 466 | 密封垫 | Sealing Plate | 1 |
| 030 | 4642 306 149 | 输油板 | Oil-line Plate | 1 |
| 050 | 4642 306 089 | 节流嘴 | Throttle Nozzle | 1 |
| 055 | 4642 306 167 | 节流嘴 | Throttle Nozzle | 1 |
| 060 | 0635 460 027 | 钢球 | Steel Ball | 2 |
| 070 | 0732 041 226 | 弹簧 | Spring | 2 |
| 080 | 0636 101 031 | 螺栓M8×30 | Bolt | 3 |
| 100 | 0636 101 035 | 内六角螺钉M8×45 | Bolt | 3 |
| 120 | 0636 101 032 | 内六角螺钉M8×35 | Bolt | 6 |
| 140 | 4642 306 163 | 上隔板 | Upper Partition | 1 |
| 150 | 4642 306 318 | 密封垫 | Sealing Plate | 1 |
| 154 | 4642 306 320 | 密封垫 | Sealing Plate | 1 |
| 160 | 0636 101 035 | 内六角螺钉M8×45 | Bolt | 10 |
| 180 | 0636 101 124 | 内六角螺钉M8×75 | Bolt | 6 |
| 260 | 0636 304 019 | 螺塞M10×1 | Plug Screw | 1 |
| 270 | 0634 801 152 | 紫铜垫圈A10×13.5 | Red Copper Washer | 1 |
| 280 | 0631 610 025 | 紧定螺钉M10×10 | Screw | 1 |
| 290 | 0634 801 152 | 紫铜垫圈A10×13.5 | Red Copper Washer | 1 |
| 350 | 0636 304 019 | 螺塞M10×1 | Plug Screw | 1 |
| 360 | 0634 801 152 | 紫铜垫圈A10×13.5 | Red Copper Washer | 1 |

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# 第25图 4WG180变速箱惰轮部件

# FIG.25 GEARBOX IDLER PART



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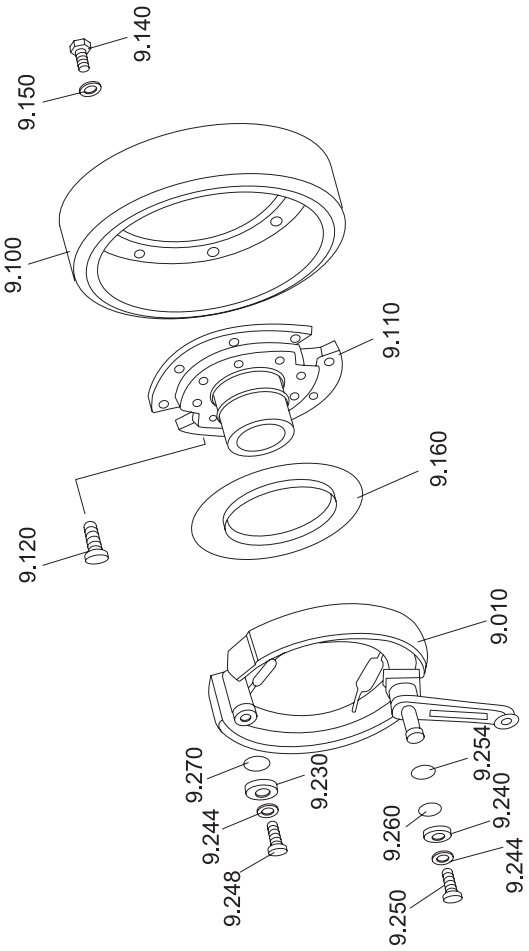
| 序号<br>NO. | 部件号<br>PART NO. | 零件名称<br>PART NAME | | 数量<br>Q'TY |
|---|---|---|---|---|
| 010 | 4644 308 618 | 惰轮轴 | Idler Shaft | 1 |
| 020 | 0634 313 529 | O形圈57×3 | O-ring | 1 |
| 090 | 4644 308 560 | 惰轮 | Idler | 1 |
| 100 | 0636 104 146 | 螺栓M12×100 | Bolt | 1 |
| 110 | 0750 118 216 | 滚柱轴承 | Cylinder Bearing | 1 |
| 114 | 4644 330 229 | 垫圈 | Washer | 1 |
| 170 | 0630 362 824 | 闷盖 | Cover | 1 |

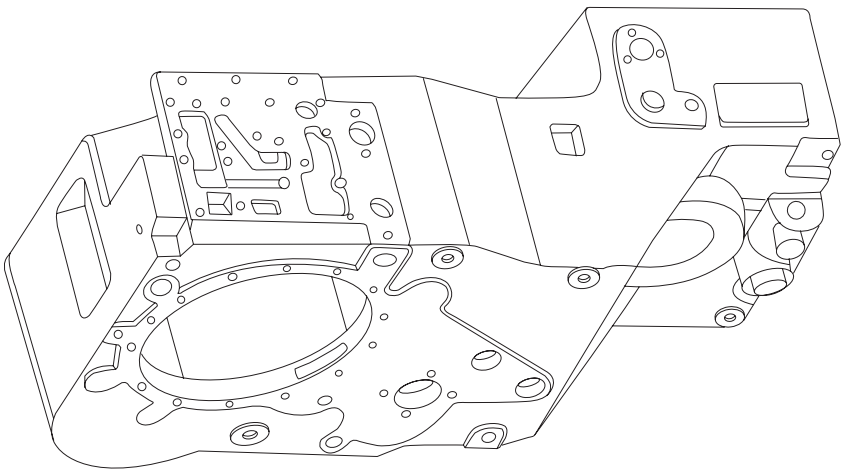
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# 第26图 4WG180变速箱停车制动部件

# FIG.26 GEARBOX PARK BRAKE PART



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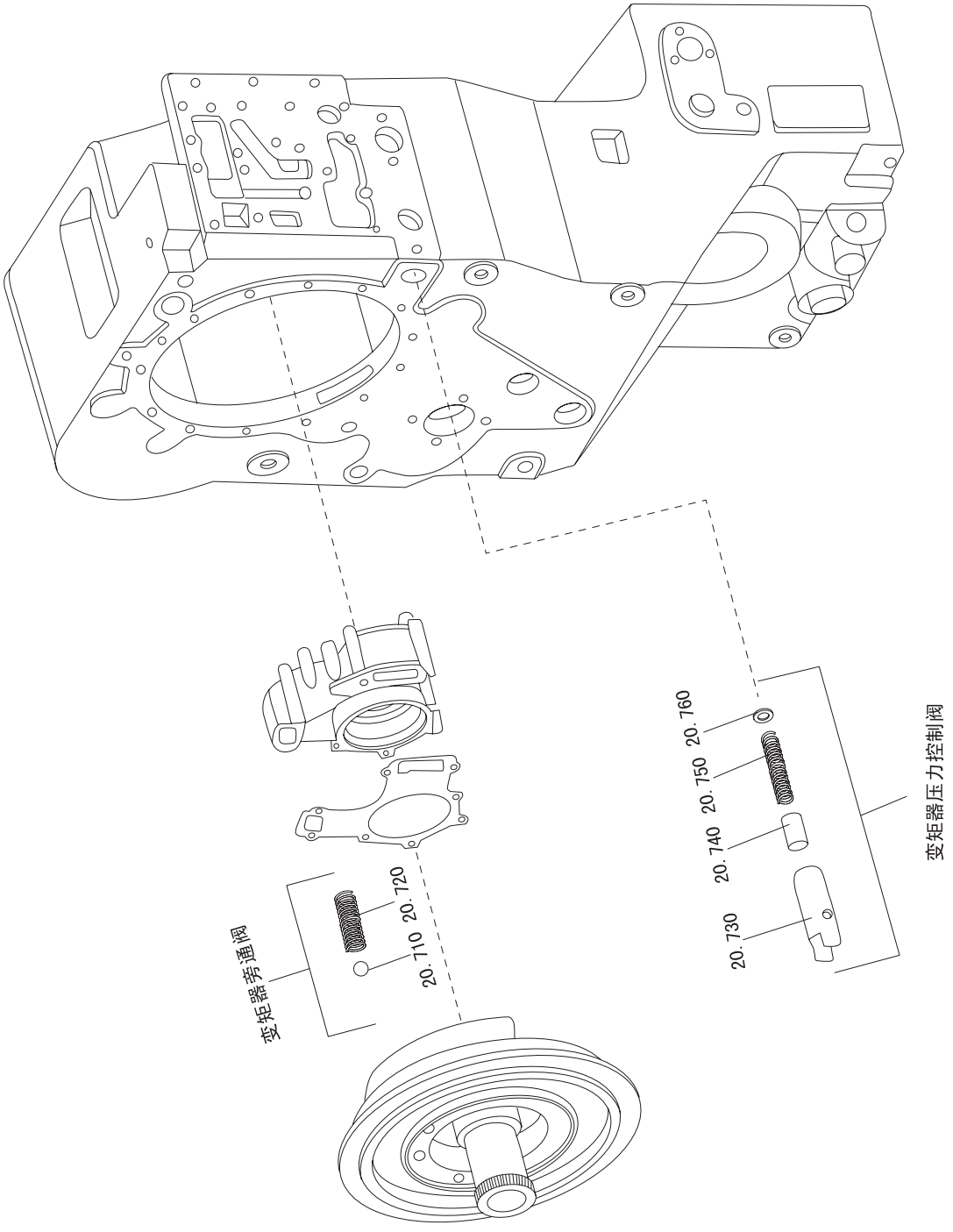
| 序号 NO. | 部件号 PART NO. | 零件名称 PART NAME | | 数量 Q'TY |
|---|---|---|---|---|
| 010 | 0501 003 822 | 制动组件 | Brake Module | 1 |
| 100 | 4644 309 002 | 制动鼓轮 | Brake Strake | 1 |
| 110 | 4644 309 808 | 停车制动器法兰 | Detent Flange | 1 |
| 120 | 0636 021 151 | 螺栓M14×1.5×45 | Bolt | 8 |
| 125 | 0637 106 098 | 六角头螺母M14×1.5 | Nut | 8 |
| 140 | 0636 015 166 | 螺栓M10×25 | Bolt | 8 |
| 150 | 0630 001 014 | 垫圈10.5 | Washer | 8 |
| 160 | 4644 309 008 | 定位板 | Locating Plate | 1 |
| 230 | 4644 309 066 | 垫圈 | Washer | 1 |
| 240 | 0730 107 676 | 垫圈 | Washer | 1 |
| 244 | 0630 101 014 | 垫圈10.5 | Washer | 2 |
| 248 | 0636 010 159 | 螺栓M10×40 | Washer | 1 |
| 250 | 0636 015 115 | 螺栓M10×22 | Washer | 1 |
| 254 | 0630 503 016 | 止动环 | Stop Ring | 1 |
| 260 | 0634 306 017 | O形圈17.3×2.4 | O-ring | 1 |
| 270 | 0634 306 024 | O形圈25.3×2.4 | O-ring | 1 |

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# 第27图 4WG180变速箱压力阀部件

# FIG.27 GEARBOX PRESSURE VALVE PART



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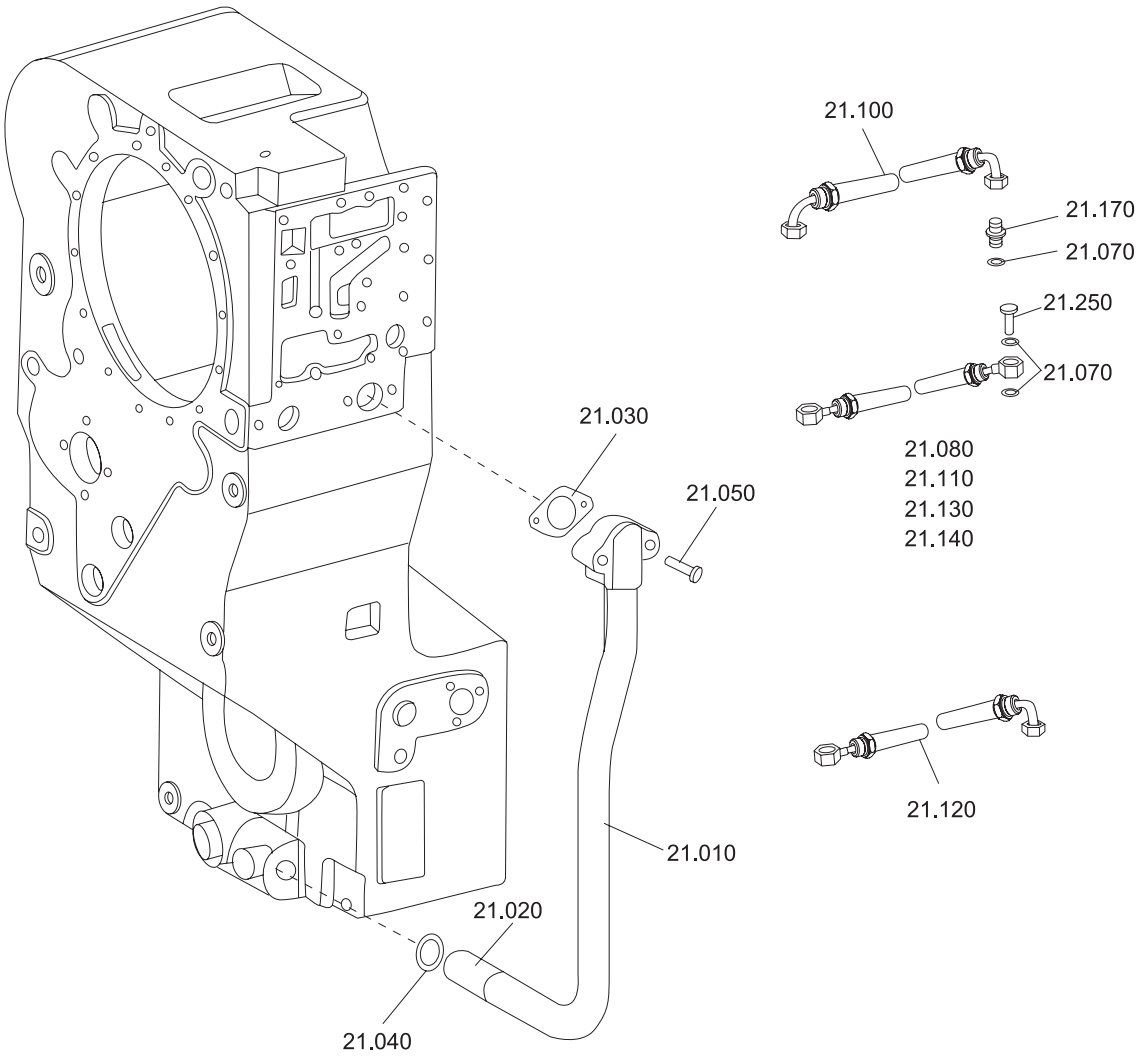
| 序号 NO. | 部件号 PART NO. | 零件名称 PART NAME | | 数量 Q'TY |
|---|---|---|---|---|
| 710 | 0635 460 029 | 钢球20mm | Steel Ball | 1 |
| 720 | 0732 041 352 | 压力弹簧2.5×16.95×57.2 | Pressure Spring | 1 |
| 730 | 4644 320 042 | 阀套 | Vavle Poacket | 1 |
| 740 | 4644 320 034 | 阀芯 | Spool | 1 |
| 750 | 0732 042 251 | 压力弹簧2.8×16.84×87.1 | Pressure Spring | 1 |
| 760 | 0630 001 017 | 垫圈14×28 | Washer | 1 |

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# 第28图 4WG180变速箱吸油管部件

# FIG.28 GEARBOX OIL SUCTION PIPE PART



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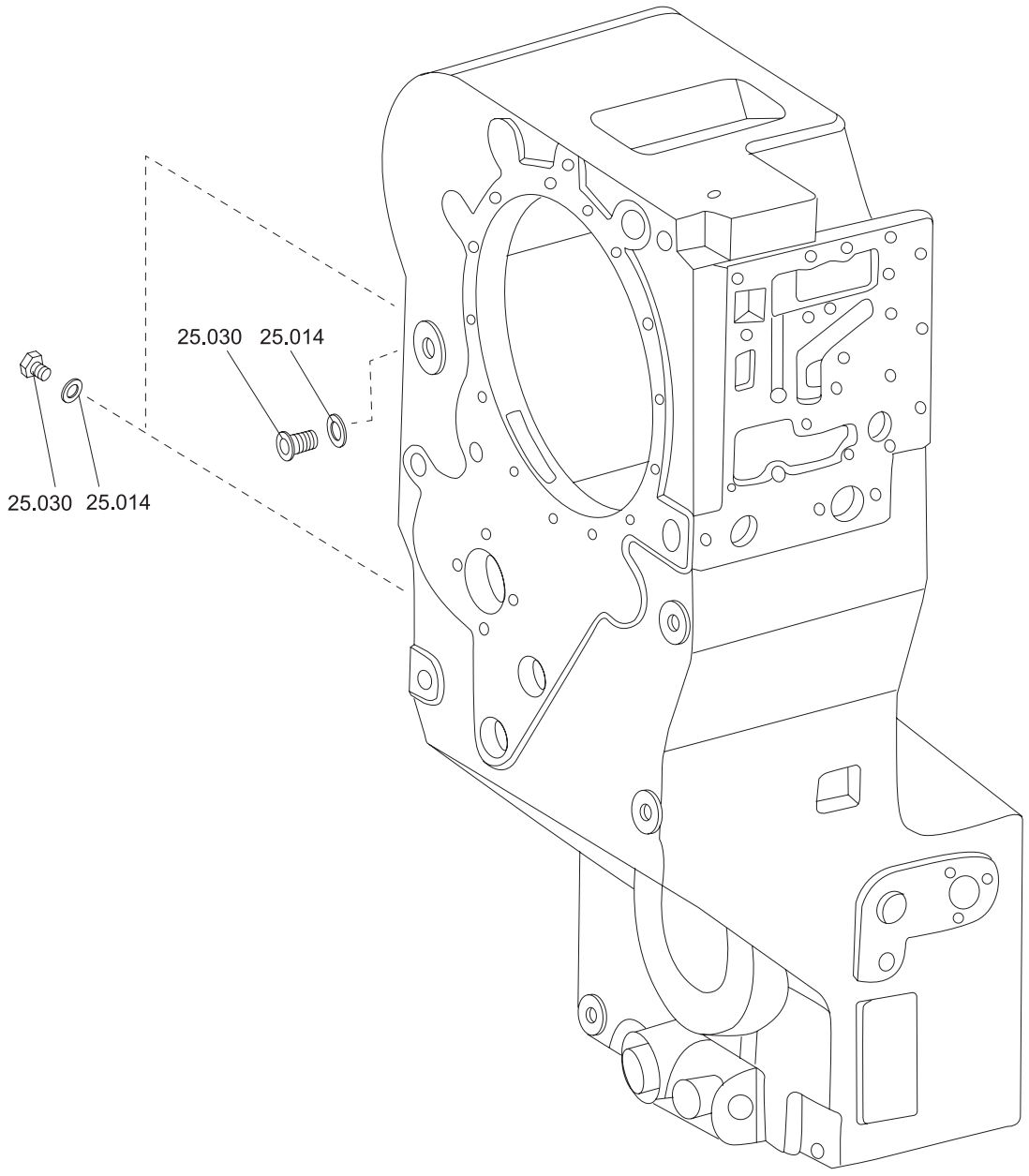
| 序号 NO. | 部件号 PART NO. | 零件名称 PART NAME | | 数量 Q'TY |
|---|---|---|---|---|
| 010 | 4644 221 877H | 吸油管组件 | Oil Suction Pipe | 1 |
| 020 | 4644 221 821 | 吸油滤组件 | Oil Suction Pipe | 1 |
| 030 | 4644 321 244 | 纸垫 | Paper Washer | 2 |
| 050 | 0636 010 089 | 螺栓M8×50 | Bolt | 4 |
| 070 | 0634 801 050 | 紫铜垫圈 | Copper Washer | 20 |
| 080 | 0501 204 425 | 软管 | Tube | 1 |
| 100 | 0501 204 674 | 软管 | Tube | 1 |
| 110 | 0501 204 425 | 软管 | Tube | 1 |
| 120 | 0501 204 422 | 软管 | Tube | 1 |
| 130 | 0501 204 427 | 软管 | Tube | 1 |
| 140 | 0501 204 427 | 软管 | Tube | 1 |
| 170 | 0637 842 509 | 管接头 | Pipe Junction | 4 |
| 250 | 0737 835 153 | 空心螺栓 | Hollowness Bolt | 8 |
| 320 | 4642 331 216 | 纸垫 | Paper Washer | 1 |
| 614 | 0636 101 031 | 螺栓 | Bolt | 2 |

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# 第29图 4WG180变速箱传感器部件

# FIG.29 GEARBOX SENSOR PART



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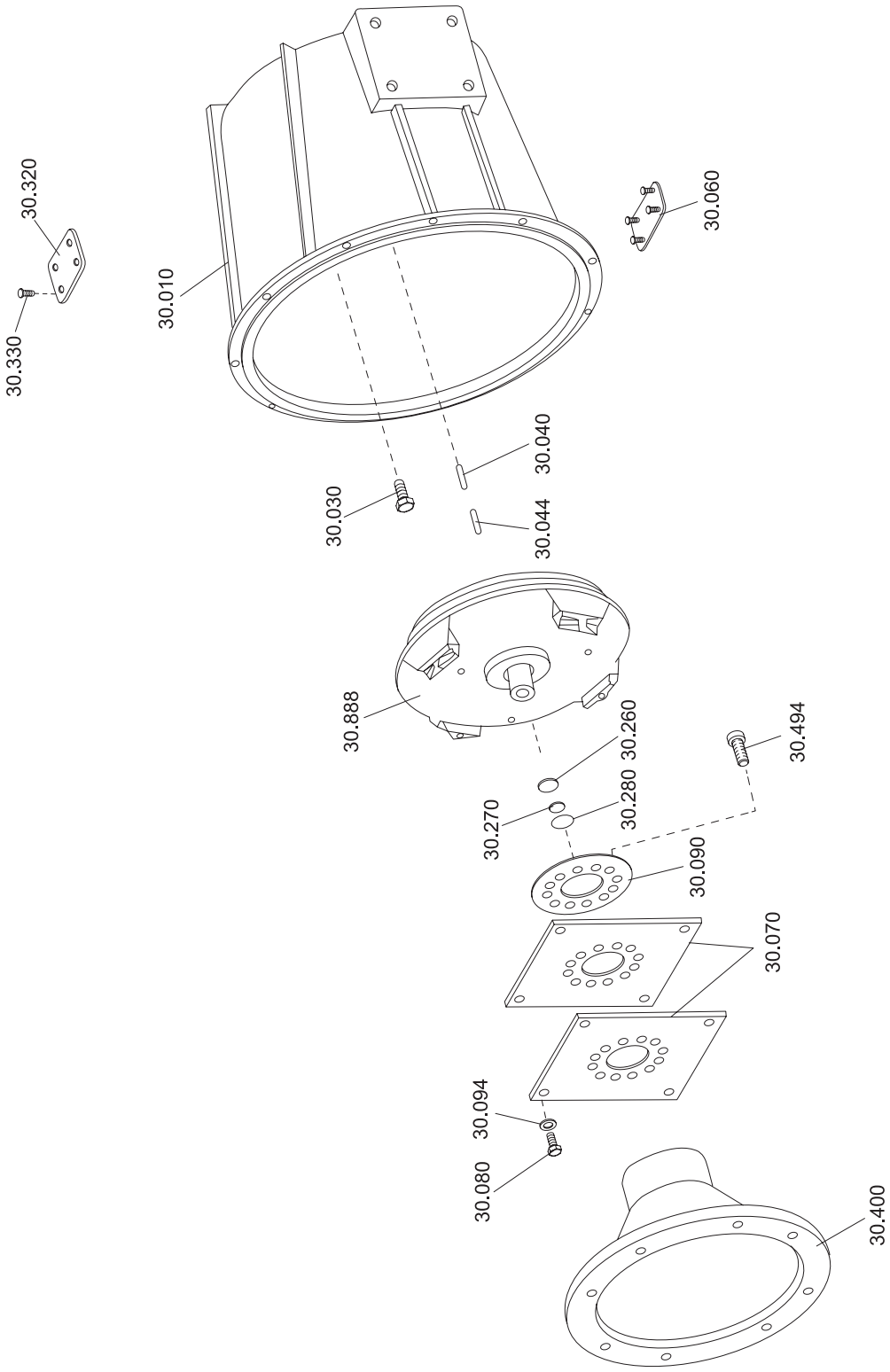
| 序号<br>NO. | 部件号<br>PART NO. | 零件名称<br>PART NAME | | 数量<br>Q'TY |
|---|---|---|---|---|
| 140 | 0634 801 155 | 垫圈A18×24 | Washer | 3 |
| 300 | 0636 302 004 | 螺塞M18×1.5 | Plug Screw | 3 |

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# 第30图 4WG180变速箱发动机连接部件

# FIG.30 GEARBOX ENGINE CONNECT PART



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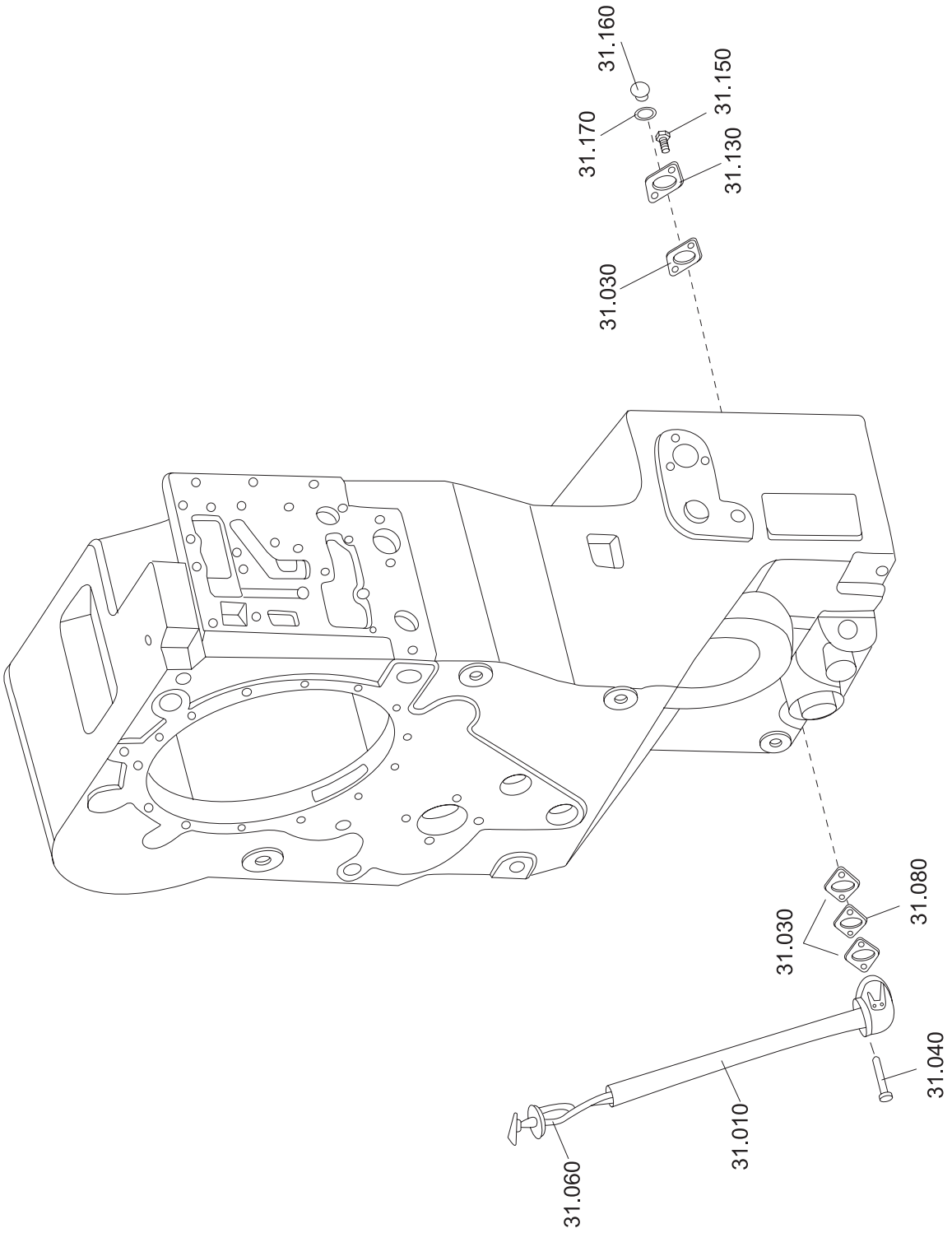
| 序号 NO. | 部件号 PART NO. | 零件名称 PART NAME | | 数量 Q'TY |
|---|---|---|---|---|
| 010 | 4644 330 839 | 连接外壳 | Connection Shell | 1 |
| 030 | 0636 010 460 | 螺栓M10×50 | Bolt | 14 |
| 040 | 0631 329 163 | 弹性圆柱销10×28 | Elastic Pin | 2 |
| 044 | 0631 329 069 | 弹性圆柱销6×30 | Elastic Pin | 2 |
| 050 | 4644 330 999 | 盖 | Cover | 1 |
| 056 | 0636 015 032 | 螺栓M6×10 | Bolt | 4 |
| 070 | 4644 230 239 | 膜片 | Diaphragm | 3 |
| 080 | 0636 016 815 | 螺栓M12×16 | Bolt | 4 |
| 085 | 0636 016 814 | 螺栓M12×30 | Bolt | 12 |
| 090 | 4644 330 228 | 隔圈 | Space Ring | 1 |
| 094 | 0630 101 015 | 垫圈13×20 | Washer | 4 |
| 400 | 4644 330 998 | 飞轮过渡盘 | Flywheel Transition Plate | 1 |
| 518 | 0769 120 527 | 垫片 | Washer | 1 |
| 888 | 41660 34800 | 变矩器 | Torque Convert | 1 |

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# 第31图 4WG180变速箱加油管部件

# FIG.31 GEARBOX OIL FILLING PIPE PART



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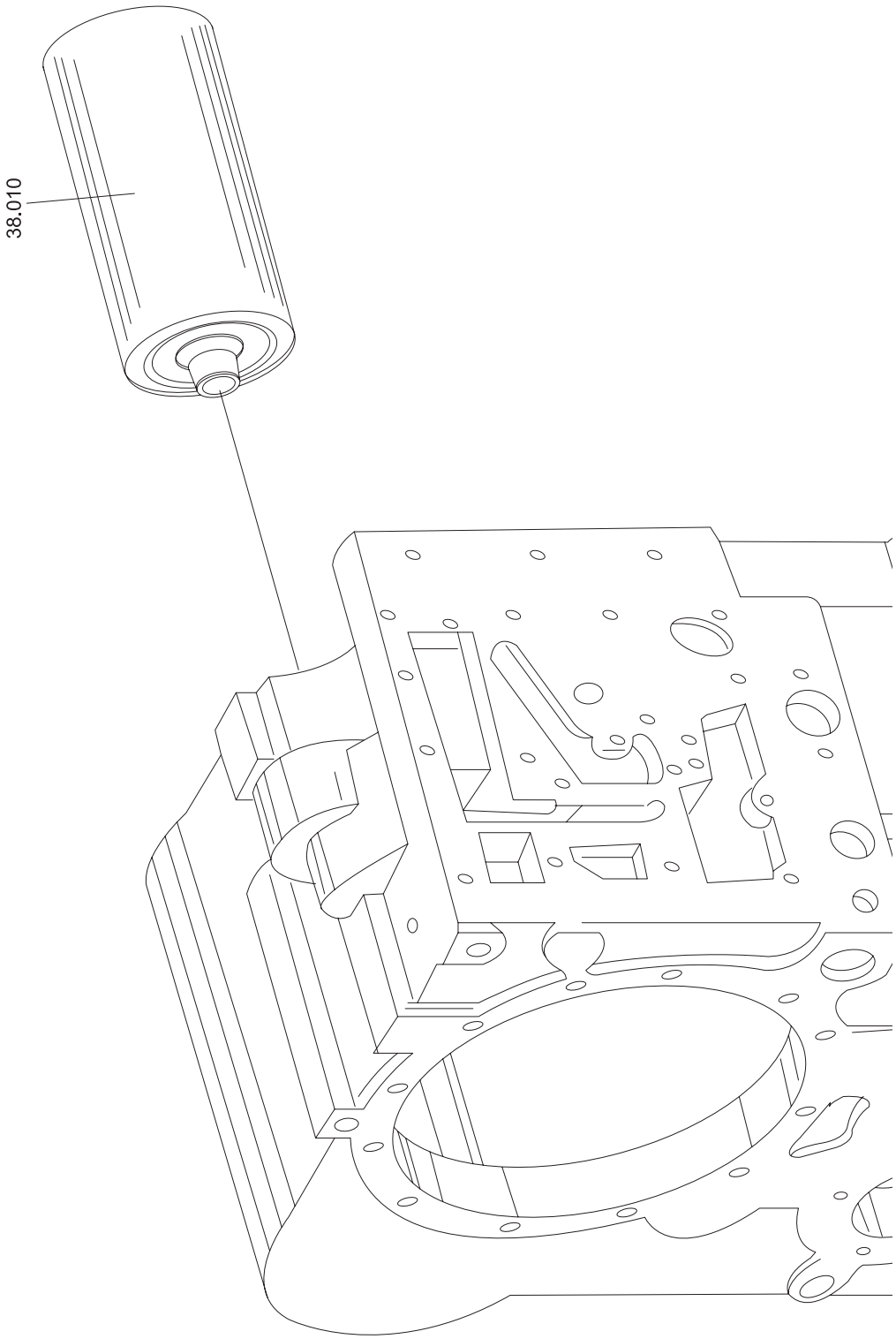
| 序号 NO. | 部件号 PART NO. | 零件名称 PART NAME | | 数量 Q'TY |
|---|---|---|---|---|
| 010 | 4642 231 914 | 加油管组件 | Oil Filling Pipe | 1 |
| 030 | 4642 331 216 | 纸垫 | Paper Washer | 3 |
| 040 | 0636 015 077 | 螺栓M8×20 | Bolt | 2 |
| 060 | 4644 231 100 | 油标尺组件 | Oil Scale Ruler | 1 |
| 080 | 4642 331 056 | 挡板 | Back Plate | 1 |
| 130 | 4644 301 016 | 盖板 | Cover | 1 |
| 150 | 0636 015 289 | 螺栓 | Bolt | 2 |
| 160 | 0636 305 016 | 螺塞AM22×1.5 | Plug Screw | 1 |
| 170 | 0634 801 074 | 垫圈A22×27 | Washer | 1 |

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# 第32图 4WG180变速箱滤油器部件

# FIG.32 FIG.15 Gearbox Oil–filter Part



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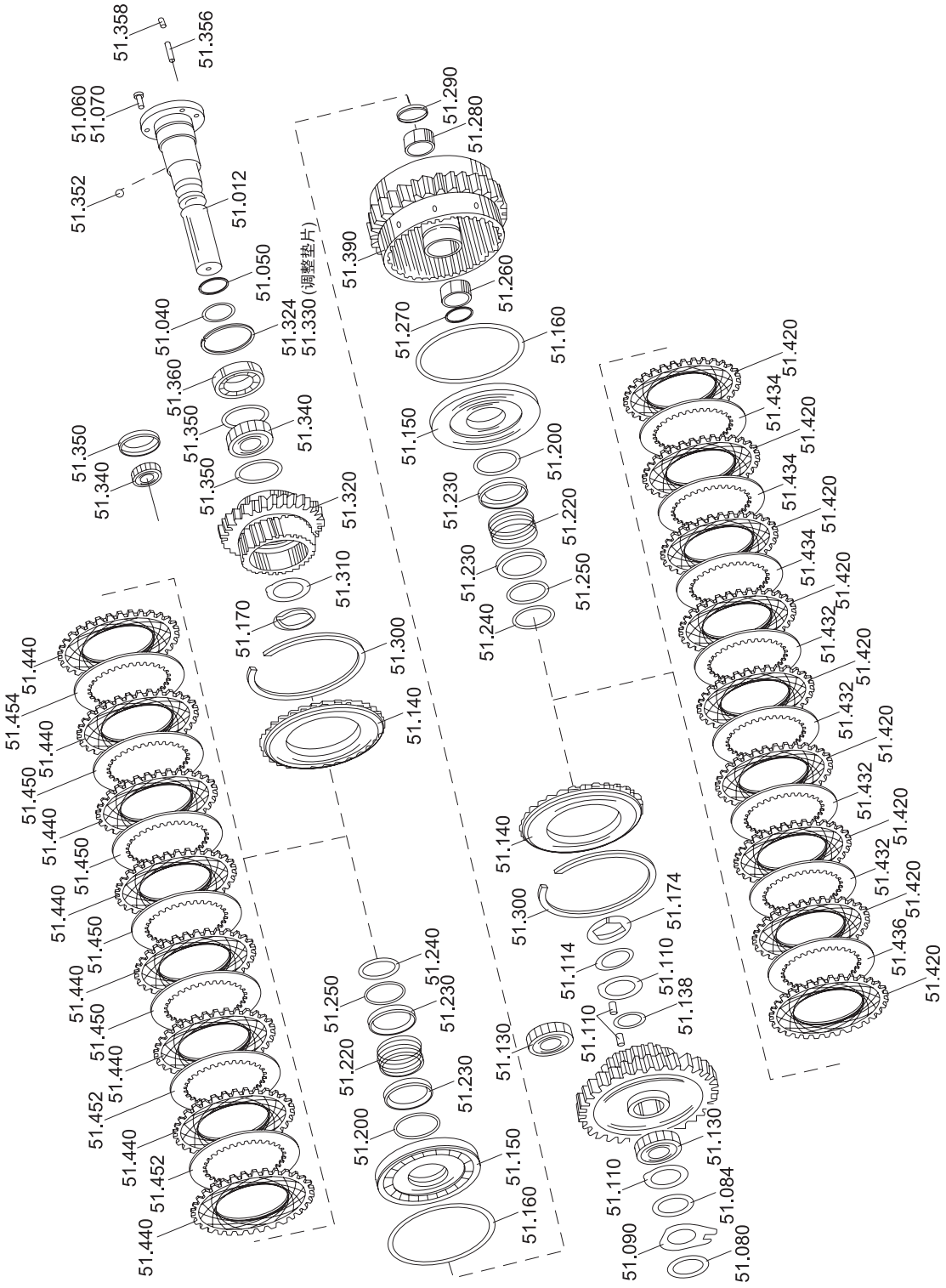
| 序号<br>NO. | 部件号<br>PART NO. | 零件名称<br>PART NAME | 数量<br>Q'TY |
|---|---|---|---|
| 010 | 0750 131 053 | 旋装滤油器 Revolution Oil Filter | 1 |

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# 第33图 4WG180变速箱KV+K1离合器部件

# FIG.33 KV+K1 CLUTCH PART



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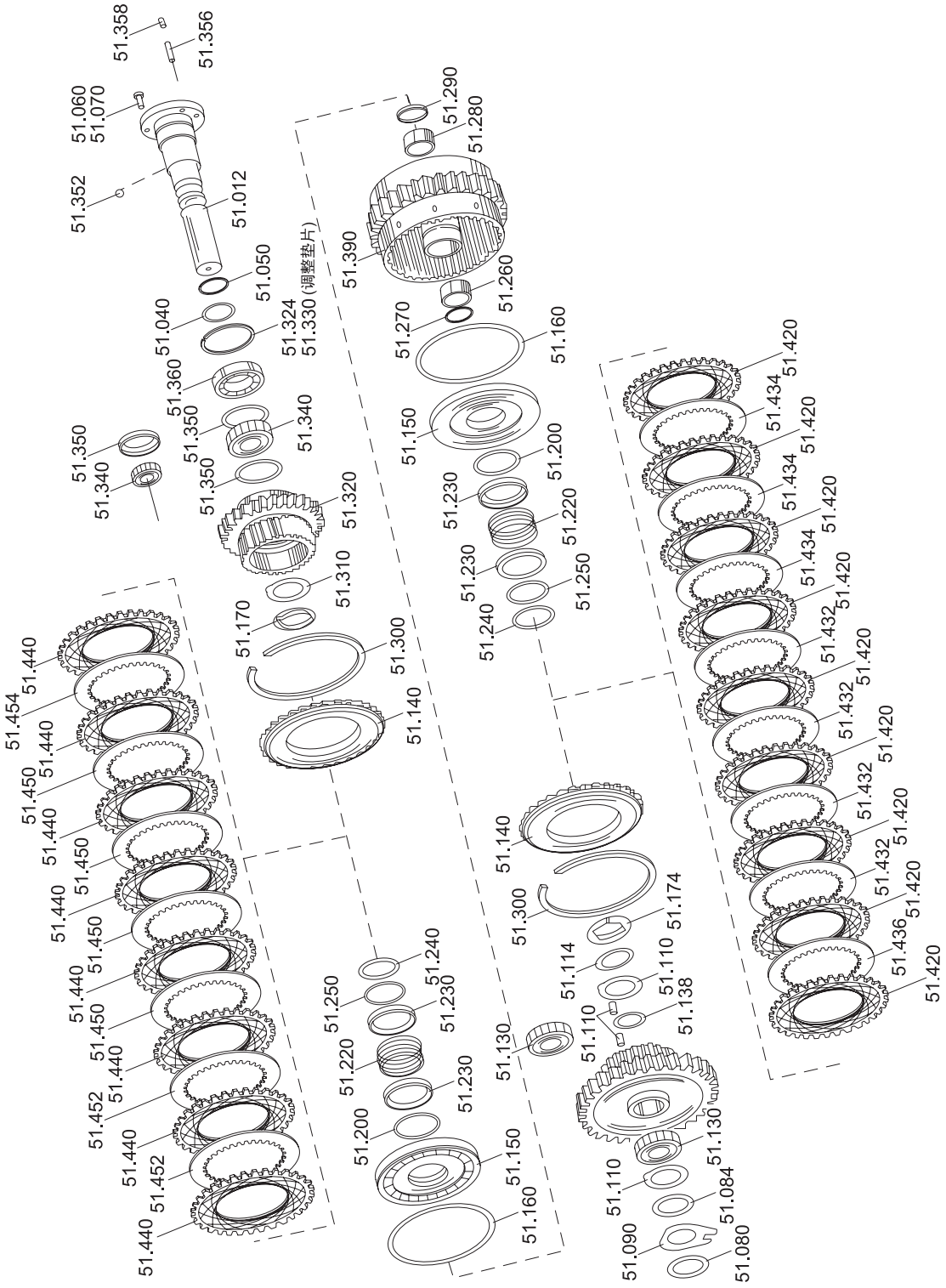
| 序号 NO. | 部件号 PART NO. | 零件名称 PART NAME | | 数量 Q'TY |
|---|---|---|---|---|
| 012 | 4644 351 076 | 轴 | Shaft | 1 |
| 040 | 0634 313 536 | O型圈 | O-ring | 1 |
| 050 | 0734 401 106 | 搭扣密封环 | Ring Seal | 3 |
| 060 | 0636 610 014 | 螺柱M8×18 | Bolt | 3 |
| 070 | 0637 006 018 | 螺母M8 | Nut | 3 |
| 080 | 0769 120 468 | 调整垫片 | Adjusting Shim | 1 |
| 084 | 0730 150 759 | 承磨垫 | Wear Washer | 1 |
| 090 | 4644 303 529 | 止动垫片 | Stop Washer | 1 |
| 100 | 4644 308 622 | 齿轮 | Gear | 1 |
| 110 | 4644 308 265 | 止动垫圈 | Stop Ring | 2 |
| 114 | 0730 150 773 | 承磨垫 | Wear Washer | 1 |
| 134 | 0750 119 100 | 滚子组35.2×55.2×37 | Roller Module | 1 |
| 138 | 4644 308 266 | 垫圈 | Washer | 1 |
| 140 | 4644 308 071 | 承压板 | Bearing Plate | 2 |
| 150 | 4644 351 070 | 活塞 | Plunger | 2 |
| 160 | 0750 112 139 | 异形密封环 | Ring Seal | 2 |
| 170 | 4644 351 094 | 止动片 | Stop Plate | 1 |
| 174 | 4642 308 555 | 止动片 | Stop Plate | 1 |
| 200 | 0750 112 140 | 异形密封环 | Ring Seal | 2 |
| 220 | 0732 041 183 | 压力弹簧 | Pressure Spring | 2 |
| 230 | 4642 308 083 | 导向环 | Rider Ring | 4 |
| 240 | 0630 531 346 | 挡圈 | Retainer Ring | 2 |
| 250 | 4642 308 084 | 导向环 | Rider Ring | 2 |
| 260 | 0635 303 203 | 滚针轴承F3526 | Multi-roll Bearing | 1 |
| 270 | 0730 513 610 | 弹性挡圈 | Snap Ring | 1 |
| 280 | 0635 303 205 | 滚针轴承F4026 | Needle Bearing | 1 |
| 290 | 0730 513 611 | 弹性挡圈 | Snap Ring | 1 |
| 300 | 0769 124 126 | 弹性挡圈 | Snap Ring | 2 |
| 310 | 0730 150 779 | 承磨垫 | Wear Washer | 1 |
| 320 | 4644 351 012 | 齿轮 | Gear | 1 |
| 324 | 0630 502 037 | 孔用挡圈75×2.5 | Hole Collar | 2 |
| 330 | 0769 120 556 | 调整垫片 | Adjusting Shim | 1 |
| 340 | 0735 358 132 | 滚柱轴承45×75×28 | Cylinder Bearing | 1 |
| 350 | 0501 308 830 | 挡圈 | Collar | 2 |
| 360 | 0750 116 100 | 球轴承6009MAC3 | Ball Bearing | 1 |
| 390 | 4644 251 042 | 离合器外壳 | Clutch Housing | 1 |

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# 第33图 4WG180变速箱KV+K1离合器部件

# FIG.33 KV+K1 CLUTCH PART



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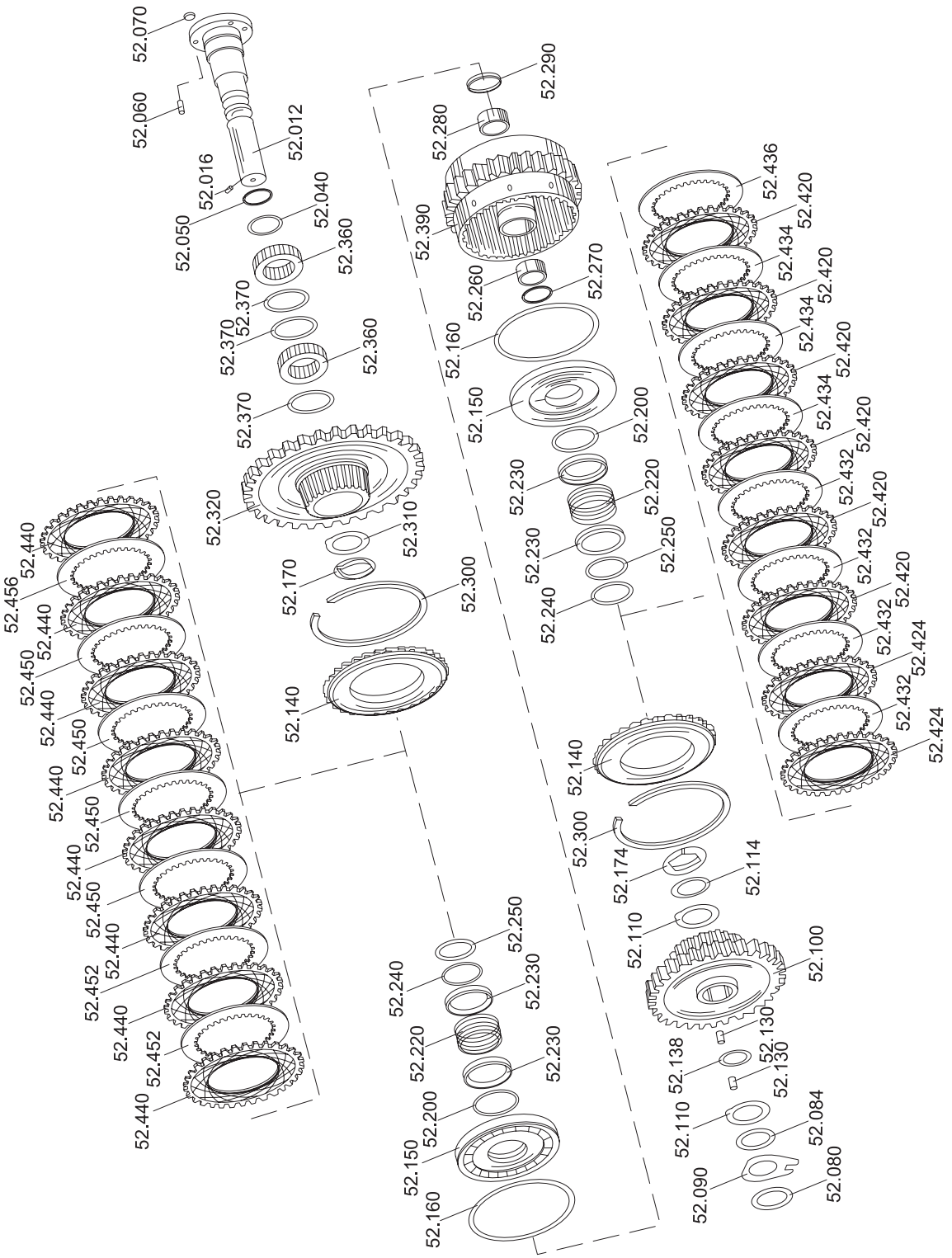
| 序号 NO. | 部件号 PART NO. | 零件名称 PART NAME | | 数量 Q'TY |
|---|---|---|---|---|
| 420 | 0501 309 330 | 外摩擦片 | Outside Friction Disk | 12 |
| 432 | 4644 308 329 | 内摩擦片 | Inner Friction Disk | 9 |
| 434 | 4644 308 330 | 内摩擦片 | Inner Friction Disk | 1 |
| 436 | 0769 129 022 | 内摩擦片 | Inner Friction Disk | 1 |
| 440 | 0501 309 330 | 外摩擦片 | Outside Friction Disk | 8 |
| 450 | 4644 308 329 | 内摩擦片 | Inner Friction Disk | 4 |
| 452 | 4644 308 330 | 内摩擦片 | Inner Friction Disk | 2 |
| 454 | 0769 129 022 | 内摩擦片 | Inner Friction Disk | 1 |

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# 第34图 4WG180变速箱KR+K2离合器部件

# FIG.34 KR+K2 CLUTCH PART



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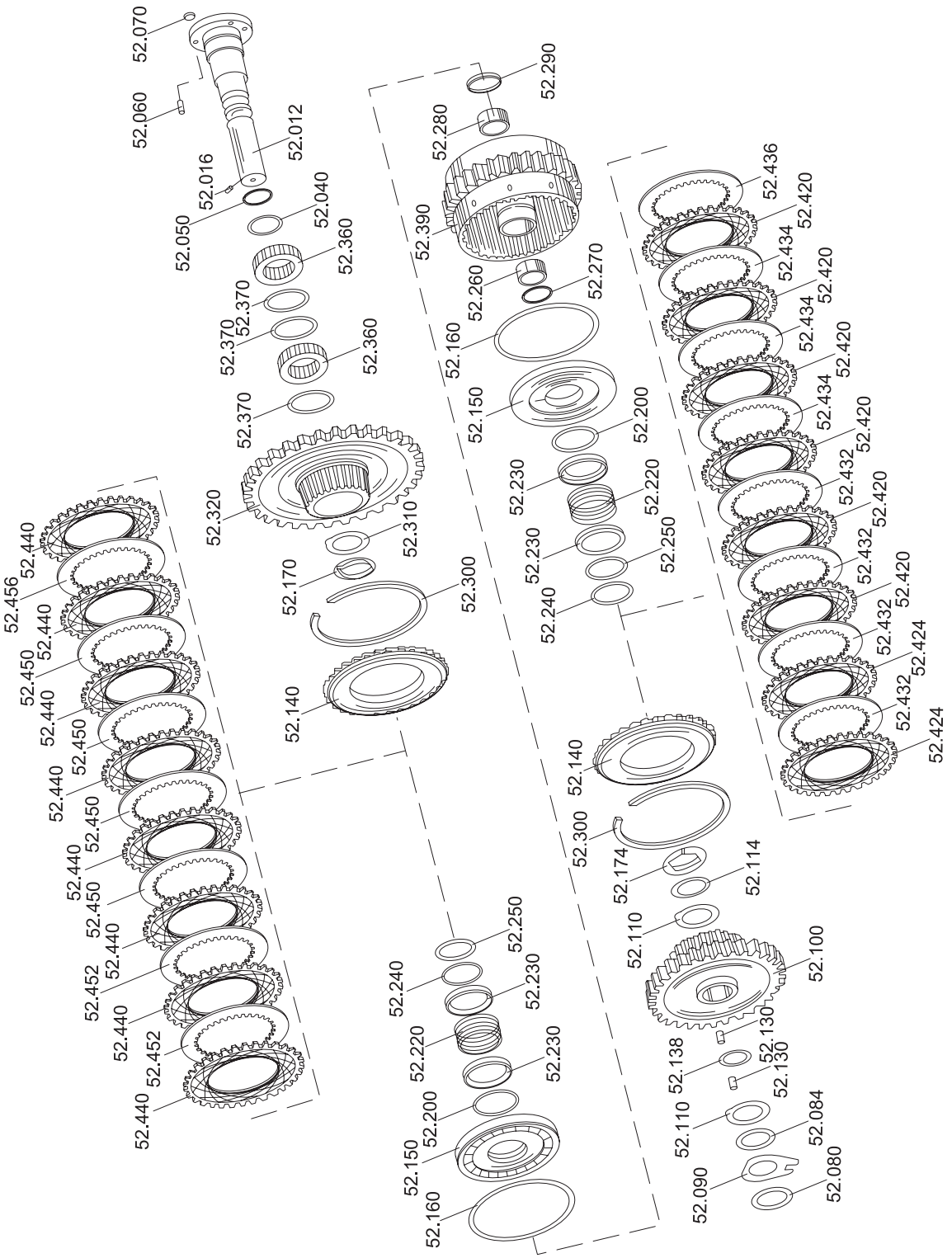
| 序号 NO. | 部件号 PART NO. | 零件名称 PART NAME | | 数量 Q'TY |
|---|---|---|---|---|
| 012 | 4644 352 062 | 轴 | Shaft | 1 |
| 040 | 0634 313 536 | O型圈 | ″O″ Ring | 1 |
| 050 | 0734 401 106 | 搭扣密封环 | Hasp Seal Ring | 3 |
| 060 | 0636 610 014 | 螺柱M8×18 | Double-screw Bolt | 3 |
| 070 | 0637 006 018 | 螺母M8 | Nut | 3 |
| 080 | 0769 120 468 | 调整垫片 | Adjust Washer | 1 |
| 084 | 0730 150 759 | 承磨垫 | Wear Pad | 1 |
| 090 | 4644 303 529 | 止动垫片 | Locking Gasket | 1 |
| 100 | 4644 308 622 | 齿轮 | Gear | 1 |
| 110 | 4644 308 265 | 止动垫圈 | Locking Washer | 2 |
| 114 | 0730 150 773 | 承磨垫 | Wear Pad | 1 |
| 130 | 0750 119 100 | 滚子组35.2×55.2×37 | Roller Group | 1 |
| 138 | 4644 308 266 | 垫圈 | Washer | 1 |
| 140 | 4644 308 071 | 承压板 | Bearing Plate | 2 |
| 150 | 4644 351 070 | 活塞 | Plunger | 2 |
| 160 | 0750 112 139 | 异形密封环 | Sketch Seal Ring | 2 |
| 170 | 4644 351 094 | 止动片 | Stop Plate | 1 |
| 174 | 4642 308 555 | 止动片 | Stop Plate | 1 |
| 200 | 0750 112 140 | 异形密封环 | Sketch Seal Ring | 2 |
| 220 | 0732 041 183 | 压力弹簧 | Pressure Spring | 2 |
| 230 | 4642 308 083 | 导向环 | Guide Ring | 4 |
| 240 | 0630 531 346 | 挡圈 | Circlip | 2 |
| 250 | 4642 308 084 | 导向环 | Guide Ring | 2 |
| 260 | 0635 303 203 | 滚针轴承F3526 | Needle Bearing | 1 |
| 270 | 0730 513 610 | 弹性挡圈 | Collar | 1 |
| 280 | 0635 303 205 | 滚针轴承F4026 | Needle Bearing | 1 |
| 290 | 0730 513 611 | 弹性挡圈 | Collar | 1 |
| 300 | 0769 124 126 | 弹性挡圈 | Collar | 2 |
| 310 | 0730 150 779 | 承磨垫 | Wear Pad | 1 |
| 320 | 4644 252 016 | 齿轮 | Gear | 1 |
| 360 | 0750 115 211 | 滚柱轴承K45×75×32.2/24.4 | Pin Rollar Bearing | 1 |

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# 第34图 4WG180变速箱KR+K2离合器部件

# FIG.34 KR+K2 CLUTCH PART



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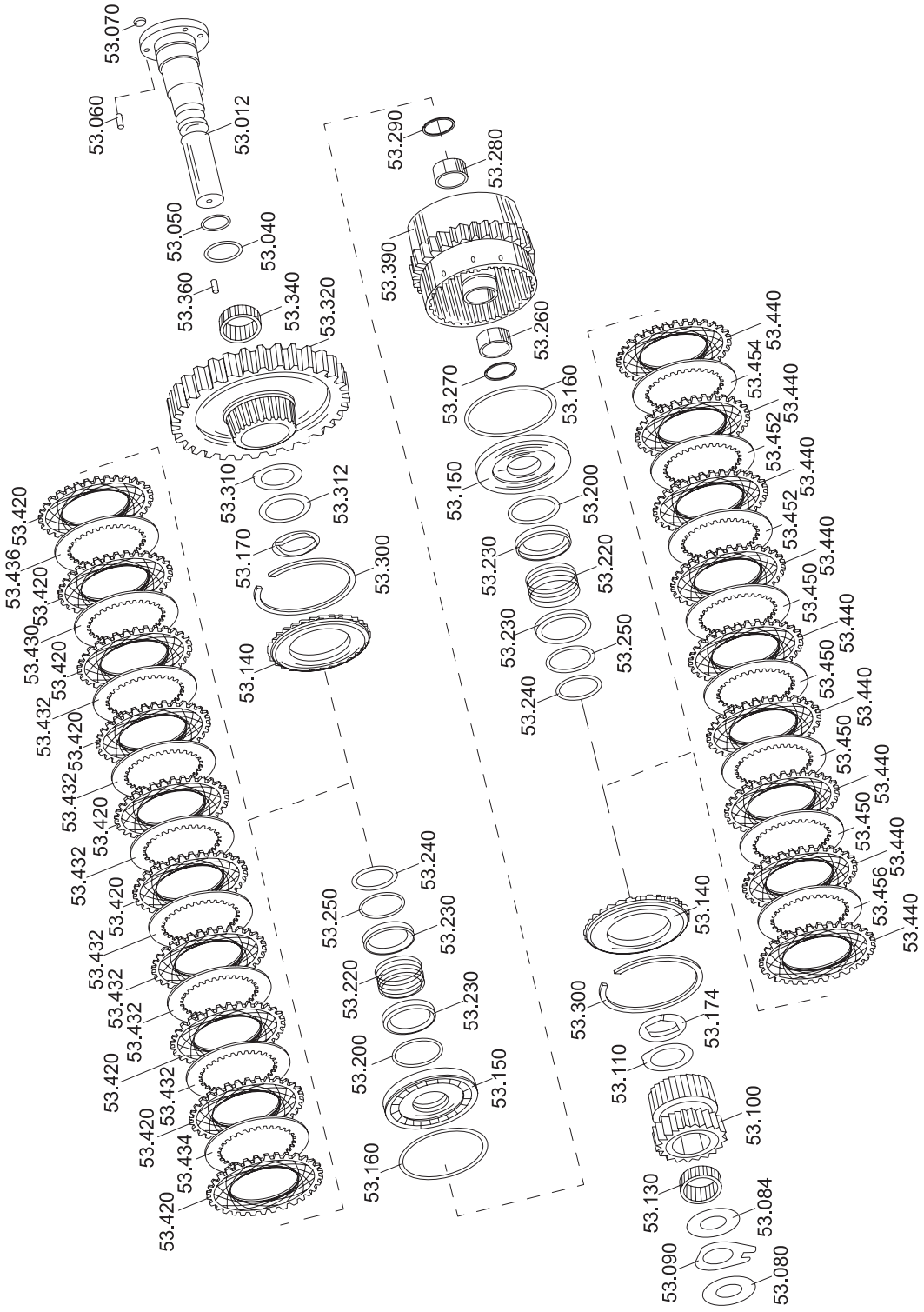
| 序号 NO. | 部件号 PART NO. | 零件名称 PART NAME | | 数量 Q'TY |
|---|---|---|---|---|
| 370 | 0501 308 830 | 挡圈 | Circlip | 3 |
| 390 | 4644 252 087 | 离合器外壳 | Clutch Shell | 1 |
| 420 | 0501 309 330 | 外摩擦片 | Outside Friction Disk | 12 |
| 432 | 4644 308 329 | 内摩擦片 | Inside Friction Disk | 9 |
| 434 | 4644 308 330 | 内摩擦片 | Inside Friction Disk | 1 |
| 436 | 0769 129 022 | 内摩擦片 | Inside Friction Disk | 1 |
| 440 | 0501 309 330 | 外摩擦片 | Outside Friction Disk | 8 |
| 450 | 4644 308 329 | 内摩擦片 | Inside Friction Disk | 4 |
| 452 | 4644 308 330 | 内摩擦片 | Inside Friction Disk | 2 |
| 456 | 0769 129 022 | 内摩擦片 | Inside Friction Disk | 1 |

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# 第35图 4WG180变速箱K3+K4离合器部件

# FIG.35 K3+K4 CLUTCH PART



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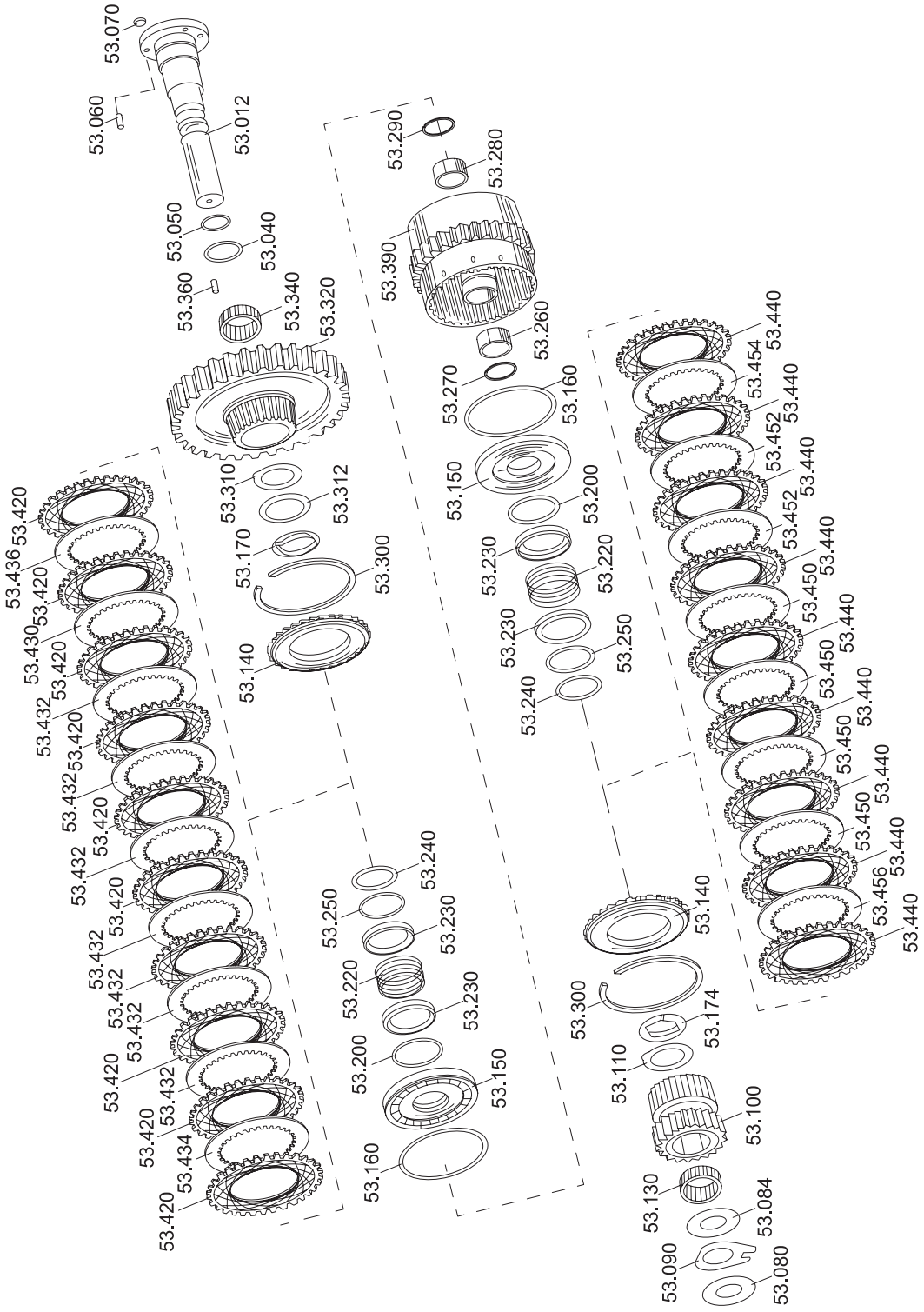
| 序号 NO. | 部件号 PART NO. | 零件名称 PART NAME | | 数量 Q'TY |
|---|---|---|---|---|
| 012 | 4644 353 058 | 轴 | Shaft | 1 |
| 040 | 0634 313 536 | O型圈 | ″O″ Ring | 1 |
| 050 | 0734 401 106 | 搭扣密封环 | Hasp Seal Ring | 3 |
| 060 | 0636 610 014 | 螺柱M8×18 | Double-screw Bolt | 2 |
| 070 | 0637 006 018 | 螺母M8 | Nut | 2 |
| 080 | 0769 120 468 | 调整垫片 | Adjust Washer | 1 |
| 084 | 0730 150 759 | 承磨垫 | Wear Pad | 1 |
| 090 | 4644 303 534 | 止动垫片 | Locking Gasket | 1 |
| 100 | 4644 308 167 | 齿轮 | Gear | 1 |
| 110 | 0730 150 777 | 承磨垫 | Wear Pad | 1 |
| 130 | 0735 358 069 | 滚针轴承K35×50.06×30 | Needle Bearing | 1 |
| 140 | 4642 308 185 | 承压板 | Bearing Plate | 2 |
| 150 | 4644 353 051 | 活塞 | Plunger | 2 |
| 160 | 0750 112 141 | 异形密封环 | Sketch Seal Ring | 2 |
| 170 | 4644 351 094 | 止动片 | Stop Plate | 1 |
| 174 | 4642 308 555 | 止动片 | Stop Plate | 1 |
| 200 | 0750 112 140 | 异形密封环 | Sketch Seal Ring | 2 |
| 220 | 0732 041 183 | 压力弹簧 | Pressure Spring | 2 |
| 230 | 4642 308 083 | 导向环 | Guide Ring | 4 |
| 240 | 0630 531 346 | 挡圈 | Circlip | 2 |
| 250 | 4642 308 084 | 导向环 | Guide Ring | 2 |
| 260 | 0750 115 182 | 滚针轴承35×42×20 | Needle Bearing | 1 |
| 270 | 0730 513 610 | 弹性挡圈 | Collar | 1 |
| 280 | 0635 303 204 | 滚针轴承F4042 | Needle Bearing | 1 |
| 290 | 0730 513 611 | 弹性挡圈 | Collar | 1 |
| 300 | 0769 124 115 | 弹性挡圈 | Collar | 2 |
| 310 | 0730 150 779 | 承磨垫 | Wear Pad | 1 |
| 312 | 0730 109 643 | 垫片 | Gasket | 1 |
| 320 | 4644 308 859 | 齿轮 | Gear | 1 |
| 340 | 0750 115 109 | 滚针组45×53×27.8 | Rollar Pin Group | 1 |
| 360 | 0750 119 048 | 滚柱 | Pin Rollar | 12 |
| 390 | 4644 253 045 | 离合器外壳 | Clutch Shell | 1 |
| 420 | 0501 309 329 | 外摩擦片 | Outside Friction Disk | 10 |
| 430 | 4642 308 330 | 内摩擦片 | Inside Friction Disk | 1 |
| 432 | 4642 308 332 | 内摩擦片 | Inside Friction Disk | 6 |
| 434 | 4642 308 331 | 内摩擦片 | Inside Friction Disk | 1 |

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# 第35图 4WG180变速箱K3+K4离合器部件

# FIG.35 K3+K4 CLUTCH PART



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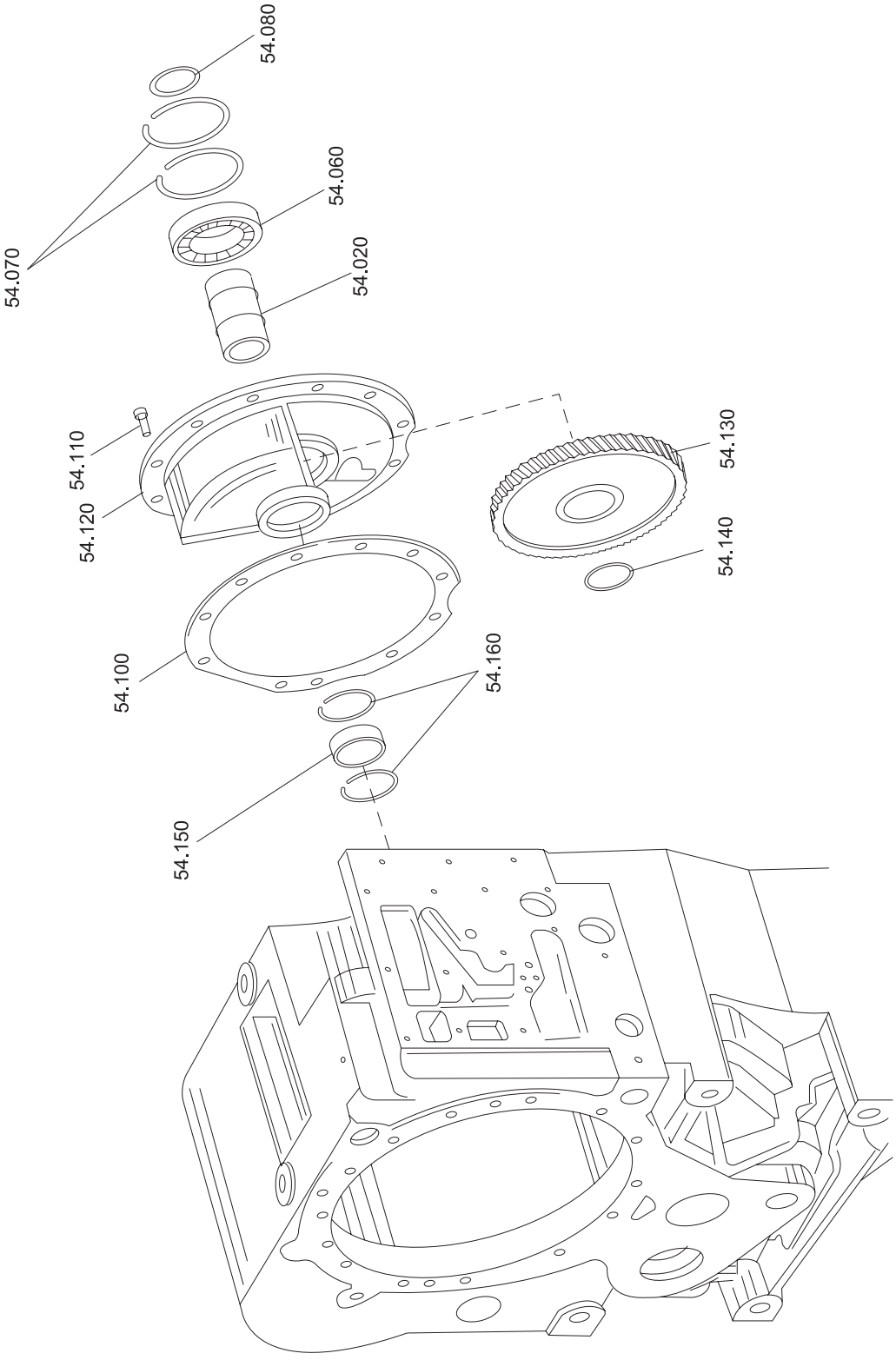
| 序号 NO. | 部件号 PART NO. | 零件名称 PART NAME | | 数量 Q'TY |
|---|---|---|---|---|
| 436 | 0769 129 011 | 内摩擦片 | Inside Friction Disk | 1 |
| 440 | 0501 309 329 | 外摩擦片 | Outside Friction Disk | 9 |
| 450 | 4642 308 330 | 内摩擦片 | Inside Friction Disk | 4 |
| 452 | 4642 308 332 | 内摩擦片 | Inside Friction Disk | 2 |
| 454 | 4642 308 331 | 内摩擦片 | Inside Friction Disk | 1 |
| 456 | 0769 129 011 | 内摩擦片 | Inside Friction Disk | 1 |

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# 第36图 4WG180变速箱取力器部件1

# FIG.36 GEARBOX PTO PART 1



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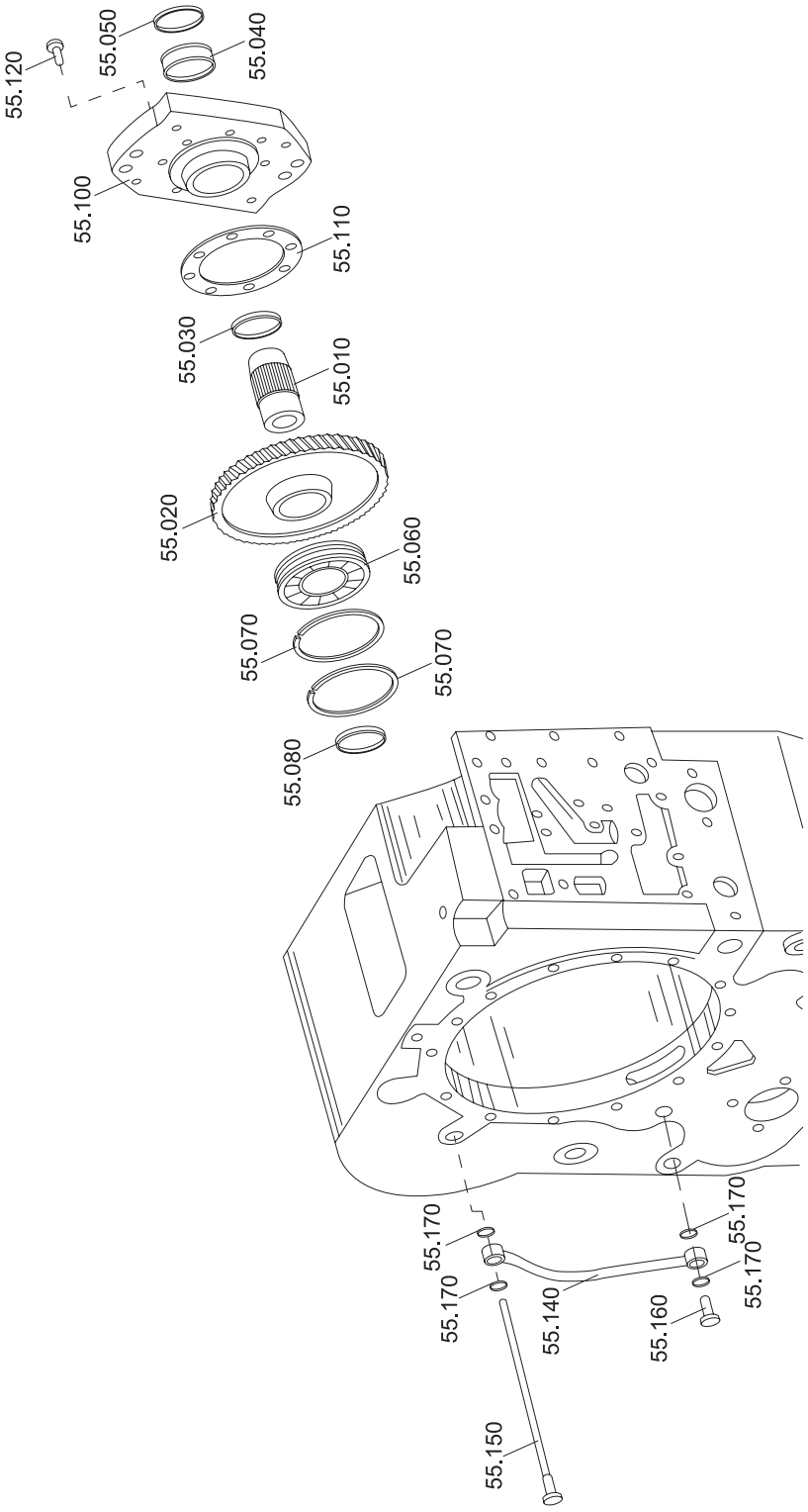
| 序号 NO. | 部件号 PART NO. | 零件名称 PART NAME | | 数量 Q'TY |
|---|---|---|---|---|
| 020 | 4644 311 005 | 取力器轴 | PTO shaft | 1 |
| 060 | 0750 116 259 | 球轴承6209N/C3 | Ball bearing | 1 |
| 070 | 0630 503 011 | 轴用弹性挡圈 | Circlip for Axial | 2 |
| 080 | 0630 501 033 | 轴用挡圈45×1.75 | Circlip for Axial | 1 |
| 100 | 4644 311 214 | 纸垫 | Paper Washer | 1 |
| 110 | 0636 015 077 | 螺栓M8×20 | Bolt | 11 |
| 120 | 4644 311 067 | 输出箱体轮 | Output Case Wheel Hub | 1 |
| 130 | 4644 311 007 | 传动齿轮 | Drive Gear | 1 |
| 140 | 0630 513 068 | 轴用弹性挡圈 | Circlip for Axial | 1 |
| 150 | 0635 303 104 | 滚针轴承HK4516 | Needle Bearing | 1 |
| 160 | 0630 513 016 | 孔用弹性挡圈 | Circlip for Hole | 2 |
| 840 | 4644 311 913 | 过渡盘 | Transition Disk | 1 |
| 845 | 4644 311 911 | 纸垫 | Paper Washer | 1 |

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# 第37图 4WG180变速箱取力器部件2

# FIG.37 GEARBOX PTO PART 2



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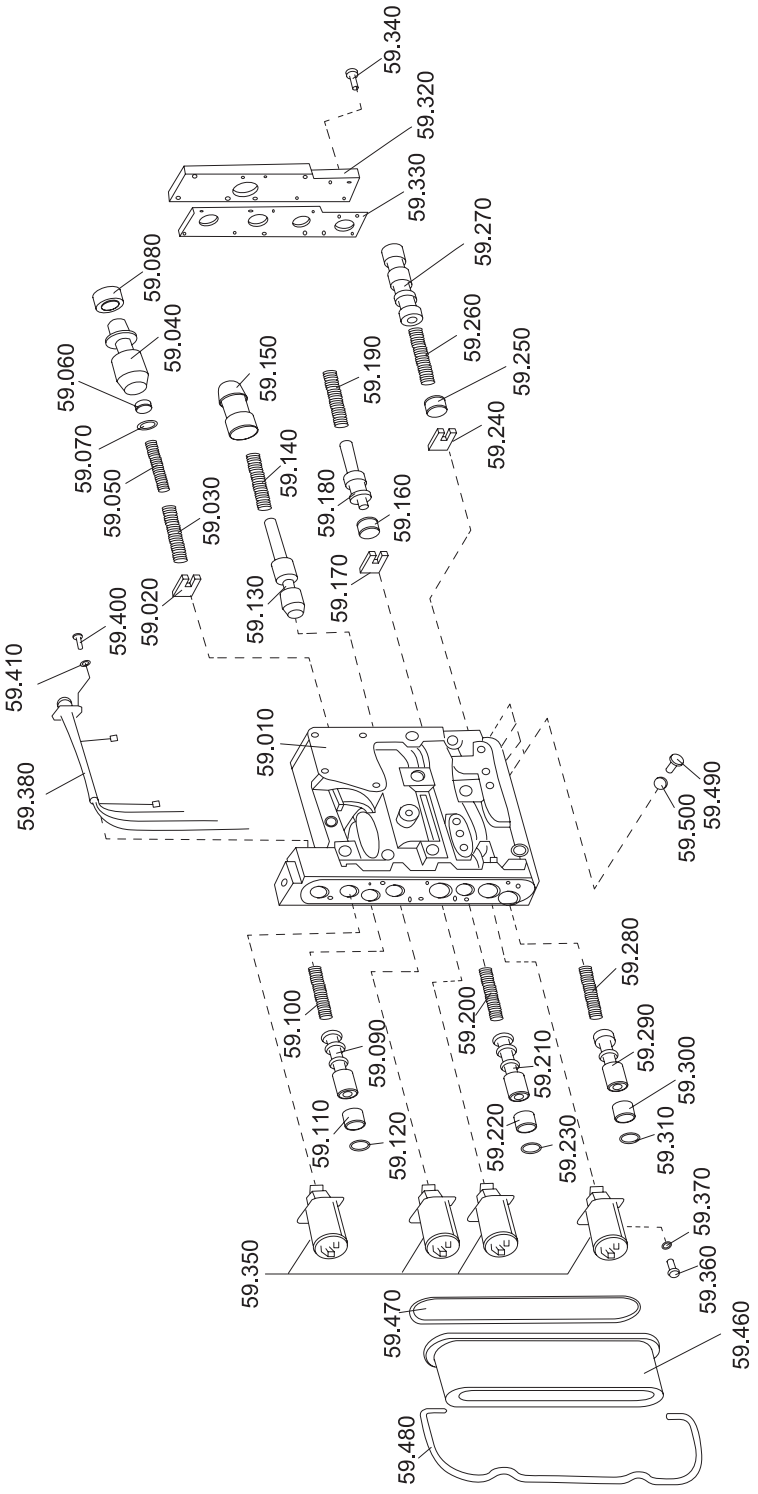
| 序号 NO. | 部件号 PART NO. | 零件名称 PART NAME | | 数量 Q'TY |
|---|---|---|---|---|
| 010 | 4644 355 864 | 取力器轴 | Chelse Shaft | 1 |
| 020 | 4644 311 008 | 传动齿轮 | Drive Gear | 1 |
| 030 | 0630 513 068 | 轴用弹性挡圈 | Circlip for Axial | 1 |
| 040 | 0635 303 104 | 滚针轴承HK4516 | Ball bearing | 1 |
| 050 | 0630 513 016 | 孔用弹性挡圈 | Circlip for Hole | 1 |
| 060 | 0750 116 259 | 球轴承6209N/C3 | Ball bearing | 1 |
| 070 | 0630 503 011 | 轴用弹性挡圈 | Circlip for Axial | 2 |
| 080 | 0630 501 033 | 轴用挡圈45×1.75 | Circlip for Axial | 1 |
| 100 | 4644 311 121 | 泵法兰 | Pump Flange | 1 |
| 105 | 4644 311 913 | 过渡盘 | Transition Disk | 1 |
| 110 | 4644 311 209 | 纸垫 | Paper Washer | 1 |
| 115 | 4644 311 911 | 纸垫 | Paper Washer | 1 |
| 120 | 0636 015 077 | 螺栓M8×20 | Bolt | 8 |
| 140 | 0501 205 628 | 软管 | Hose | 1 |
| 150 | 4642 211 001 | 油管组件 | Oil Pipe Unit | 1 |
| 160 | 0637 835 003 | 空心螺栓A8 | Hollowness Bolt | 1 |
| 170 | 0634 801 038 | 紫铜垫圈A14×28 | Red Copper Washer | 4 |

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# 第38图 4WG180变速箱操纵阀部件

# FIG.38 GEARBOX CONTROL VALVE PART



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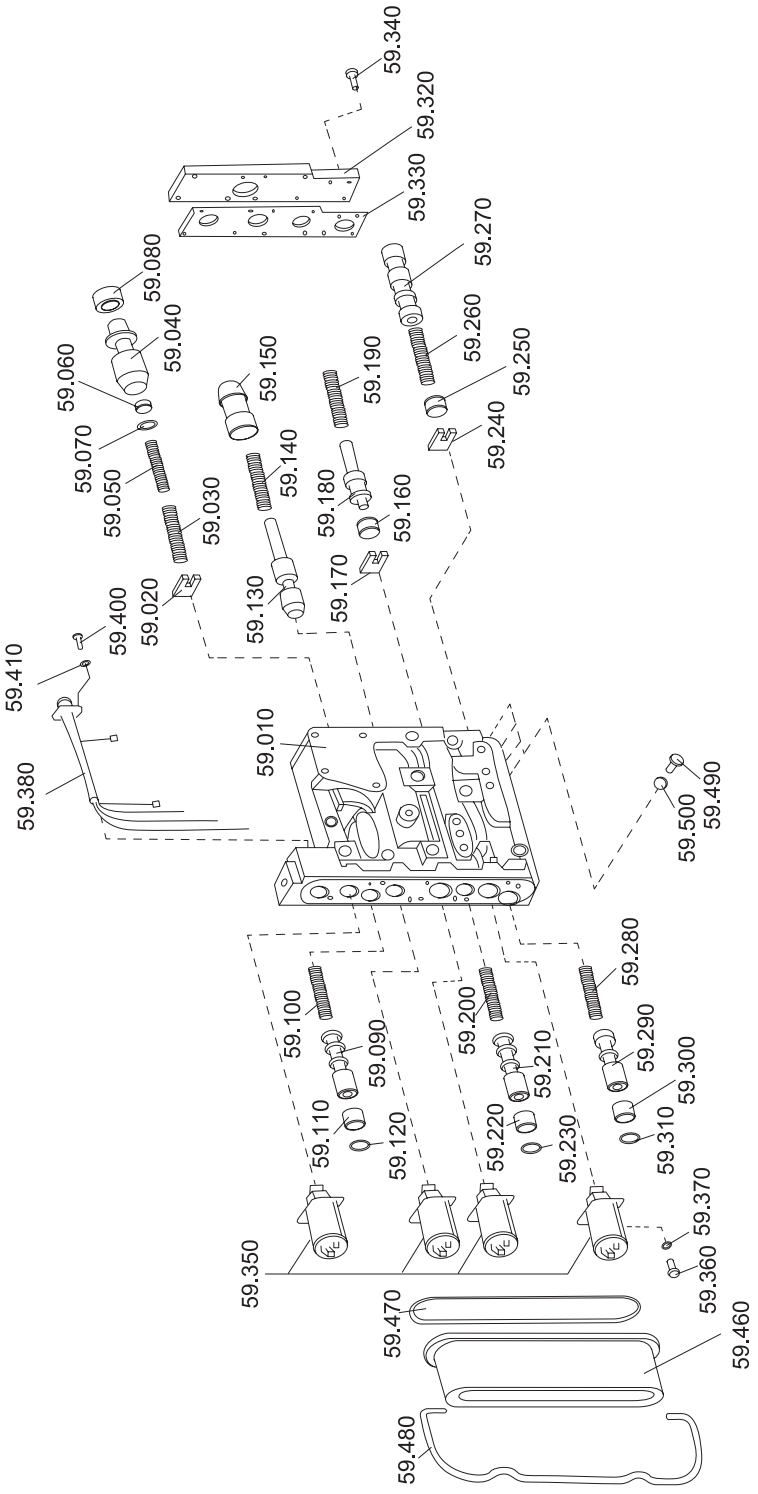
| 序号 NO. | 部件号 PART NO. | 零件名称 PART NAME | | 数量 Q'TY |
|---|---|---|---|---|
| 010 | 4642 306 152 | 阀体 | Valve Body | 1 |
| 020 | 4620 306 248 | 锁片 | Locking Plate | 1 |
| 030 | 0732 040 838 | 弹簧 | Spring | 1 |
| 040 | 4620 306 245 | 阀芯 | Spool | 1 |
| 050 | 0732 040 837 | 弹簧 | Spring | 1 |
| 060 | 0730 061 778 | 隔套 | Sleeve | 1 |
| 070 | 0769 120 747 | 垫片 | Gasket | 6 |
| 080 | 4620 306 247 | 衬套 | Bush | 1 |
| 090 | 4642 306 094 | 阀芯 | Spool | 1 |
| 100 | 0732 041 254 | 弹簧 | Spring | 1 |
| 110 | 4620 306 252 | 挡销 | Backing Pin | 1 |
| 120 | 0634 303 118 | O形圈 | ″O″ Ring | 1 |
| 130 | 4620 306 413 | 阀芯 | Spool | 1 |
| 140 | 0732 041 390 | 弹簧 | Spring | 1 |
| 150 | 4620 306 414 | 阀芯 | Spool | 1 |
| 160 | 4644 306 549 | 挡销 | Backing Pin | 1 |
| 170 | 4644 306 241 | 固定板 | Mounted Plate | 1 |
| 180 | 4620 306 255 | 阀芯 | Spool | 1 |
| 190 | 0732 041 154 | 弹簧 | Spring | 1 |
| 200 | 0732 041 254 | 弹簧 | Spring | 1 |
| 210 | 4642 306 093 | 阀芯 | Spool | 1 |
| 220 | 4620 306 252 | 挡销 | Backing Pin | 1 |
| 230 | 0634 303 118 | O形圈 | ″O″ Ring | 1 |
| 240 | 4642 306 049 | 锁片 | Gasket | 1 |
| 250 | 4644 306 549 | 挡销 | Backing Pin | 1 |
| 260 | 0732 041 254 | 弹簧 | Spring | 1 |
| 270 | 4642 306 095 | 阀芯 | Spool | 1 |
| 280 | 0732 041 254 | 弹簧 | Spring | 1 |
| 290 | 4642 306 096 | 阀芯 | Spool | 1 |
| 300 | 4620 306 252 | 挡销 | Backing Pin | 1 |
| 310 | 0634 303 118 | O形圈 | ″O″ Ring | 1 |
| 320 | 4620 306 415 | 盖 | Cover | 1 |
| 330 | 4620 306 479 | 纸垫 | Paper Washer | 1 |
| 340 | 0636 015 244 | 螺栓M5×18 | Bolt | 11 |

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# 第38图 4WG180变速箱操纵阀部件

# FIG.38 GEARBOX CONTROL VALVE PART



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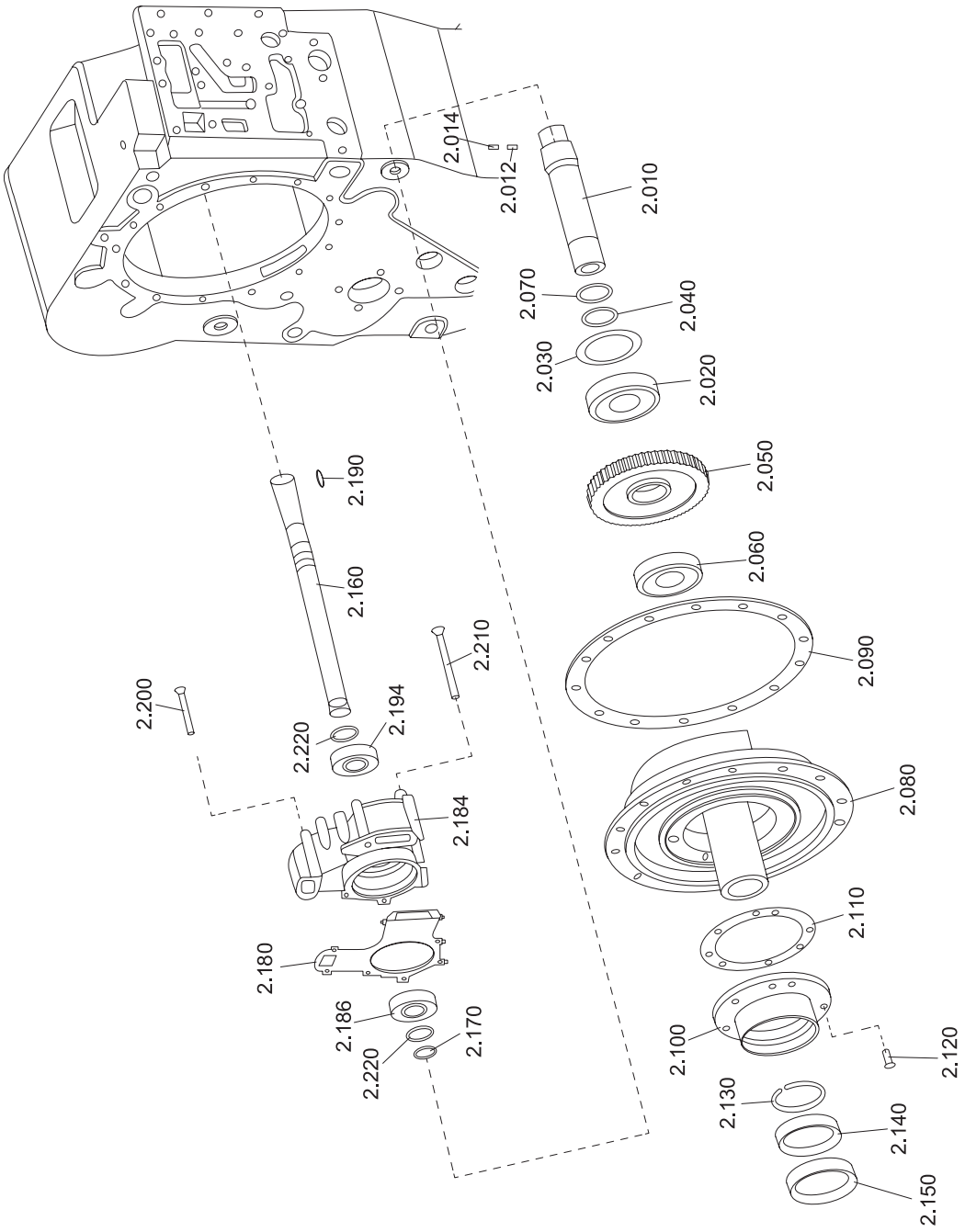
| 序号 NO. | 部件号 PART NO. | 零件名称 PART NAME | | 数量 Q'TY |
|---|---|---|---|---|
| 350 | 0501 315 338 | 电磁阀 | Magnetic Valve | 4 |
| 360 | 0636 101 129 | 内六角螺栓M5×12 | Bolt | 8 |
| 370 | 0630 305 012 | 弹垫5 | Washer | 8 |
| 380 | 4620 206 019 | 电缆组件 | Cable Unit | 1 |
| 400 | 0636 404 299 | 开槽螺钉M4×12 | Bolt | 4 |
| 410 | 0630 302 076 | 鞍型弹性垫圈 | Washer | 4 |
| 460 | 4620 306 259 | 电磁阀罩壳 | Magnetic Valve Encloser | 1 |
| 470 | 0634 303 951 | O形圈 | ″O″ Ring | 1 |
| 480 | 4620 306 241 | 弓夹 | Arch Clip | 1 |
| 490 | 0636 304 019 | 螺塞M10×1 | Plug Screw | 6 |
| 500 | 0634 801 152 | 紫铜垫圈A10×13.5 | Red Copper Washer | 6 |

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# 第39图 4WG180变速箱输入部件

# FIG.39 GEARBOX INPUT PART



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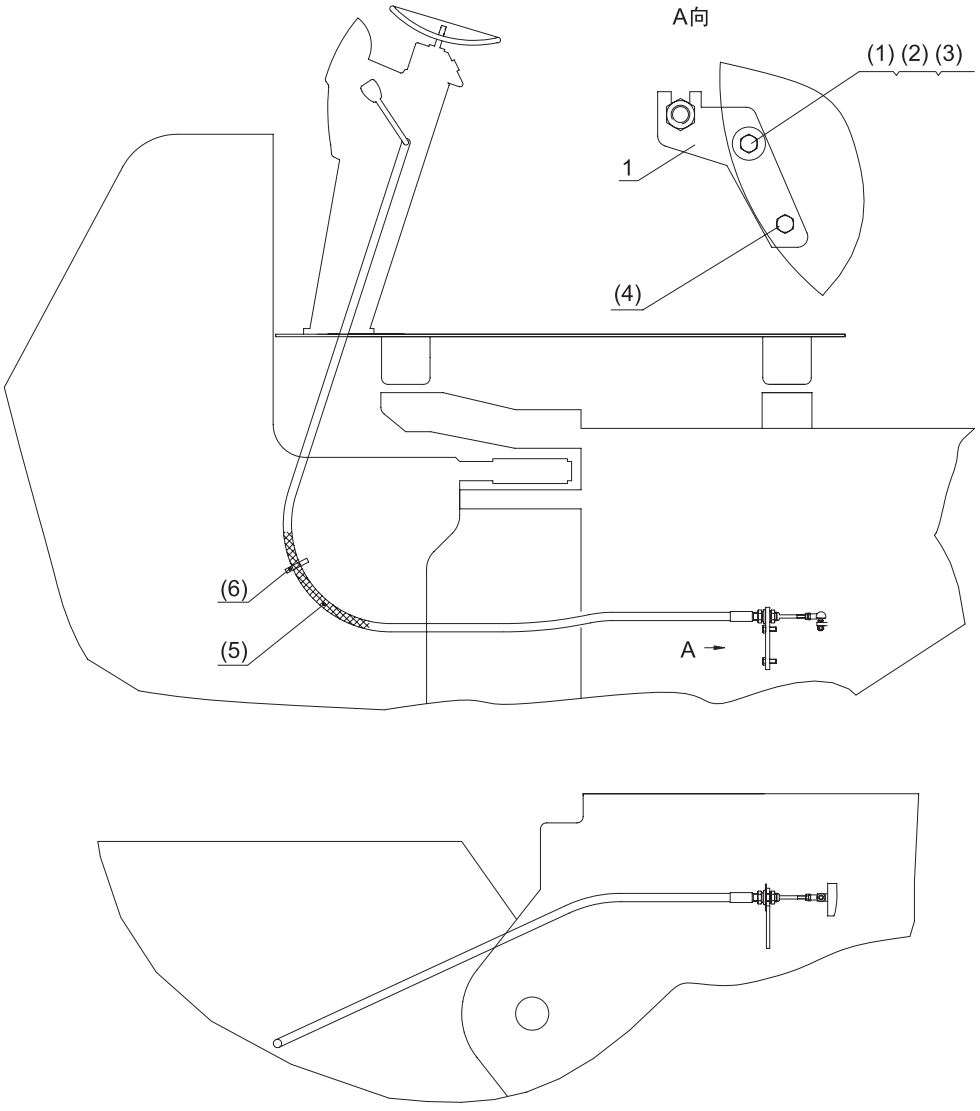
| 序号 NO. | 部件号 PART NO. | 零件名称 PART NAME | | 数量 Q'TY |
|---|---|---|---|---|
| 010 | 4644 302 188 | 涡轮轴 | Turboshaft | 1 |
| 012 | 0631 329 267 | 弹性圆柱销2.5×5 | Elastic Pin | 1 |
| 014 | 0631 329 124 | 弹性圆柱销1.5×5 | Elastic Pin | 1 |
| 020 | 0750 116 139 | 球轴承6308C3 | Ball Bearing | 1 |
| 030 | 0769 120 427 | 调整垫片 | Adjusting Shim | 1 |
| 040 | 0630 501 031 | 弹性挡圈40×1.75 | Elastic Tollar | 1 |
| 050 | 4644 302 016 | 输入齿轮 | Input Gear | 1 |
| 060 | 0750 118 200 | 滚柱轴承NJ209E/C3 | Cylinder Bearing | 1 |
| 070 | 0734 317 252 | 搭扣密封环 | Ring Seal | 1 |
| 080 | 4644 302 250 | 配油法兰 | Flange | 1 |
| 090 | 4644 302 211 | 纸垫 | Paper Cushion | 1 |
| 100 | 4642 301 136 | 泵轮轴承座 | Bearing Block | 1 |
| 110 | 4644 301 262 | 纸垫 | Paper Cushion | 1 |
| 120 | 0636 015 092 | 螺栓M8×28 | Bolt | 8 |
| 130 | 0734 401 078 | 搭扣密封环 | Ring Seal | 1 |
| 140 | 0735 298 027 | 滚针轴承HK75×83×16 | Needle Bearing | 1 |
| 150 | 0750 111 231 | 轴用密封圈 | Shaft Gasket | 1 |
| 160 | 4644 311 893 | 辅助驱动轴 | Service Drive Shaft | 1 |
| 170 | 0634 402 025 | 搭扣密封环 | Ring Seal | 1 |
| 180 | 4644 301 265 | 纸垫 | Paper Cushion | 1 |
| 184 | 0501 208 765 | 齿轮泵 | Pump | 1 |
| 186 | 0750 116 104 | 球轴承6206RS | Ball Bearing | 1 |
| 190 | 0631 501 514 | 键A6×6×28 | Flat Key | 1 |
| 194 | 0750 116 104 | 球轴承6206RS | Ball Bearing | 1 |
| 200 | 0636 010 111 | 螺栓M8×85 | Bolt | 4 |
| 210 | 0636 010 123 | 螺栓M8×115 | Bolt | 4 |
| 220 | 0630 501 024 | 轴用挡圈30×1.5 | Shaft Collar | 2 |

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# 第40图 变速操纵系统

# FIG.40 GEARSHIFT CONTROL SYSTEM



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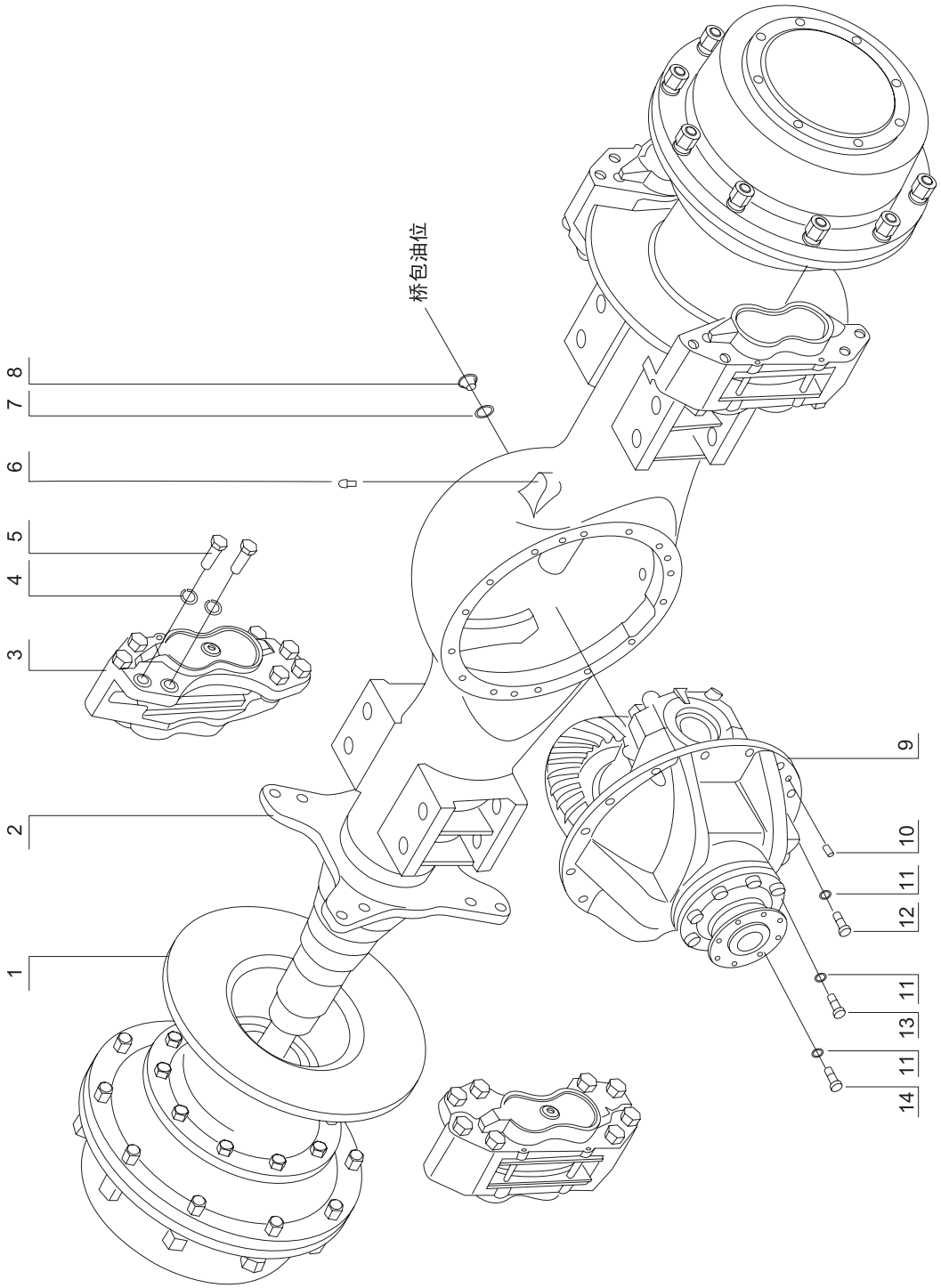
| 序号<br>NO. | 部件号<br>PART NO. | 零件名称<br>PART NAME | | 数量<br>Q'TY |
|---|---|---|---|---|
| 1 | ZL50FIII-03101 | 支架 | Bracket | 1 |
| (1) | GB5781 M10×40 | 螺栓M10×40 | Bolt | 1 |
| (2) | GB93 10 | 弹垫10 | Spring washer | 2 |
| (3) | GB97.1 10 | 垫圈10 | Bolt | 2 |
| (4) | GB5781 M10×20 | 螺栓M10×20 | Bolt | 1 |
| (5) | DG956W-031-SJHT | 橡胶护套 ϕ 16×600 | Plastic cement lagging | 1 |
| (6) | D2900-20000 | 可松开锁式扎带200×8 | Clamp | 5 |

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# 第41图 ZL50M 驱动桥总成

# FIG.41 DRIVE AXLE ASSEMBLY



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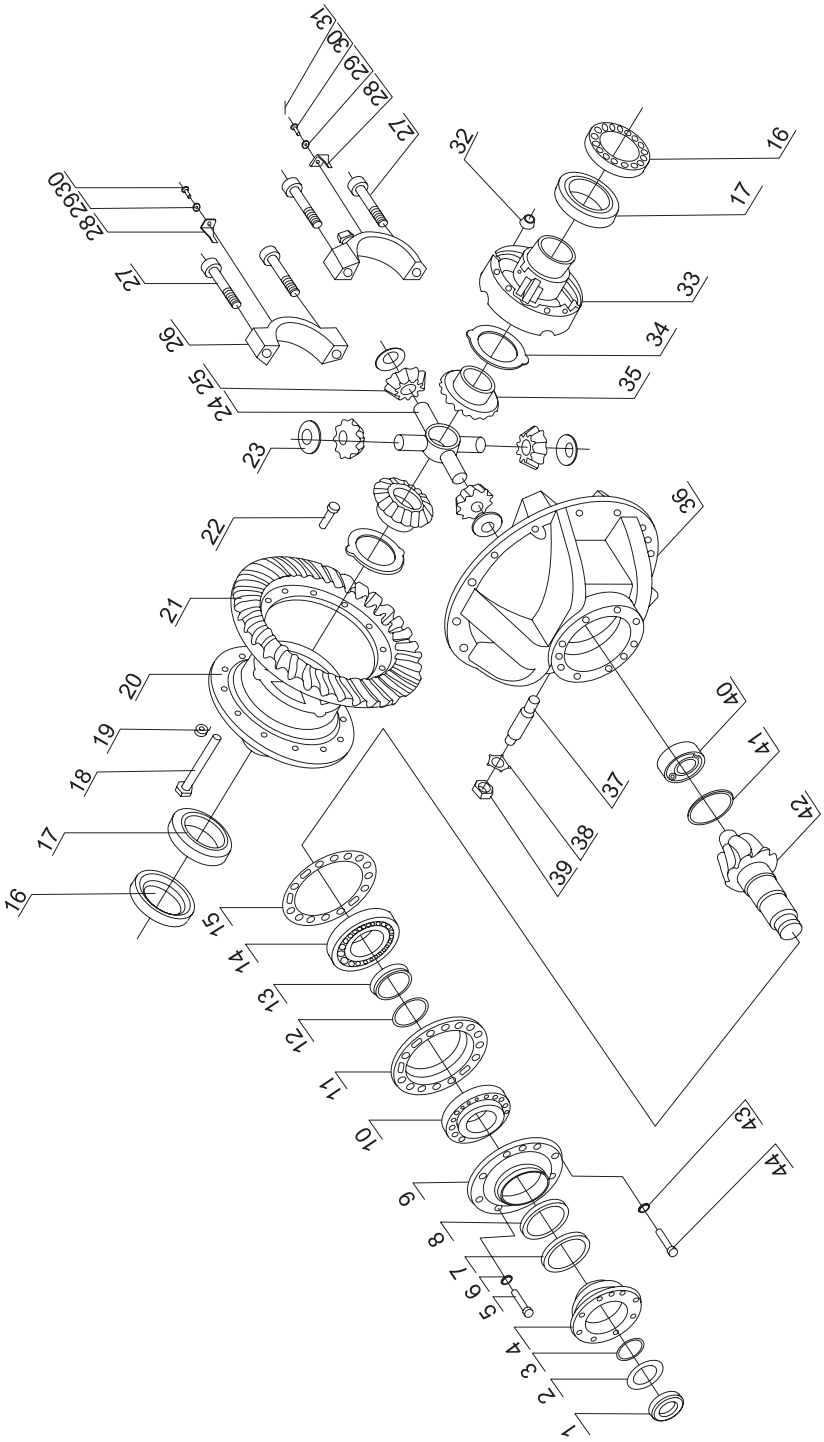
| 序号 NO. | 部件号 PART NO. | 零件名称 PART NAME | | 数量 Q'TY |
|---|---|---|---|---|
| 1 | 50M.00 | 轮边减速器总成 | Planetary assy. | 2 |
| 2 | 50MA.01 | 桥壳总成 | Axle shell assy. | 1 |
| 3 | 408100C | 制动器总成 | Brake assy. | 4 |
| 4 | GB93 20 | 垫圈20 | Washer | 16 |
| 5 | 408120 | 制动钳螺栓 | Bolt for brake | 16 |
| 6 | Q9001 | 放气阀Z1/8 | Deflation valve | 1 |
| 7 | GB3452.1 25.8×2.65 | 密封圈25.8X2.65 | Seal | 2 |
| 8 | 50M.00-07 | 油位塞M24X1.5 | Plug | 2 |
| 9 | 50M.01 | 主传动总成 | Main reductor assy. | 1 |
| 10 | GB119 D12×20 | 销D12X20 | Pin | 3 |
| 11 | GB93 14 | 垫圈14 | Washer | 14 |
| 12 | GB5785 M14×1.5×35 | 螺栓M14X1.5X35 | Bolt | 10 |
| 13 | GB5785 M14×1.5×40 | 螺栓M14X1.5X40 | Bolt | 2 |
| 14 | GB5785 M14×1.5×60 | 螺栓M14X1.5X60 | Bolt | 2 |

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# 第42图 ZL50M主传动总成

# FIG.42 MAIN TRANSMISSION ASSEMBLY



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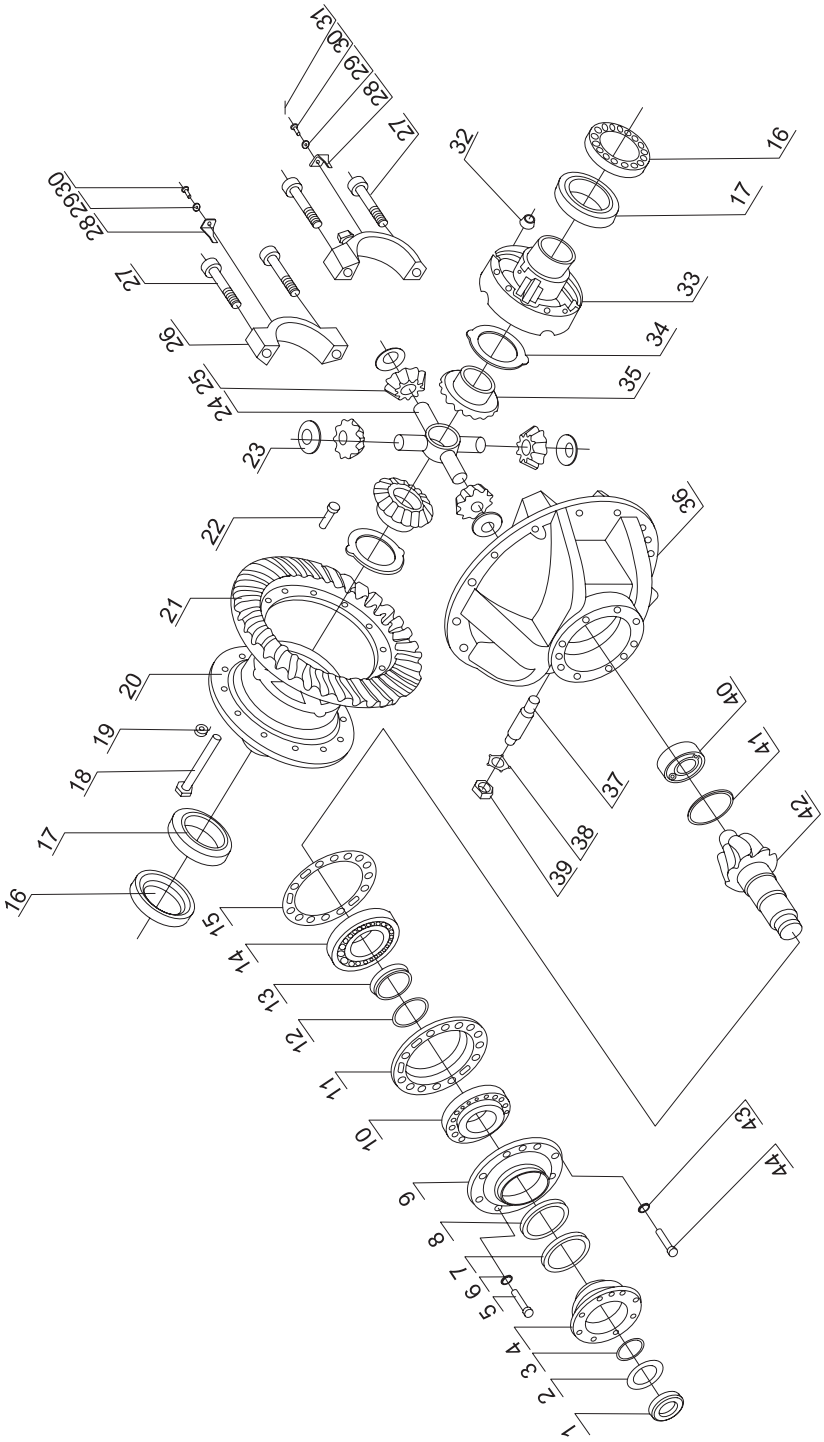
| 序号 NO. | 部件号 PART NO. | 零件名称 PART NAME | | 数量 Q'TY |
|---|---|---|---|---|
| 0 | 50M.01 | 主传动总成 | Main transimission assembly | 1 |
| 1 | 50M.01-01 | 主减速器锁紧螺母 | Locknut | 1 |
| 2 | 50M.01-02 | 垫圈 | Washer | 1 |
| 3 | 50M.01-24 | O型密封圈 | O seal ring | 1 |
| 4 | 50M.01.01-01 | 法兰 | Flange | 1 |
| 5 | GB5785 M12×1.5×55 | 螺栓M12×1.5×55 | Bolt | 1 |
| 6 | GB93 12 | 垫圈12 | Washer | 1 |
| 7 | GB13871 FB80×100×10 | 油封FB80×100×10 | Oil seal | 1 |
| 8 | GB13871 B80×100×10 | 油封B80×100×10 | Oil seal | 1 |
| 9 | 50M.01-03 | 密封盖 | Sealing gland | 1 |
| 10 | GB297 31313 | 轴承31313 | Bearing | 1 |
| 11 | 50M.01-04 | 轴承套 | Bearing bushing | 1 |
| 12 | 50M.01-05 | 调整垫片 | Adjusting washer | 1组 |
| 13 | 50M.01-06 | 轴套 | Shaft bushing | 1 |
| 14 | GB297 31314 | 轴承31314 | Bearing | 1 |
| 15 | 50M.01-23 | 调整垫片 | Adjusting washer | 1组 |
| 16 | 50M.01-20 | 调整螺母 | Adjusting nut | 2 |
| 17 | Inch 47686/47620A | 轴承 | Bearing | 2 |
| 18 | 50M.01-17 | 差速器螺栓 | Differential bolt | 8 |
| 19 | 50M.01-12 | 螺母M14×1.5 | Nut | 12 |
| 20 | 50M.01-11B | 差速器大壳 | Differential cage | 1 |
| 21 | 50M.01-14A/B | 从动螺旋伞齿轮 | Driven bevel gear | 1 |
| 22 | 50M.01-13 | 盆齿紧固螺栓 | Bolt | 12 |
| 23 | 50L.01-11 | 锥齿轮垫片 | Washer for bevel gear | 4 |
| 24 | 50L.01-19 | 十字轴 | Differential crossing | 1 |
| 25 | 50M.01-16 | 锥齿轮 | Bevel gear | 4 |
| 26 | 50M.01-19 | 轴承座 | Bearing seat | 2 |
| 27 | 50M.01-10 | 主减速器螺栓 | Bolt for main reductor | 4 |
| 28 | 404319B | 锁紧片 | Lock plate | 2 |
| 29 | GB93 10 | 垫圈10 | Washer | 2 |
| 30 | GB32.2 M10×1×20 | 螺栓M10×1×20 | Bolt | 2 |
| 31 | Φ1.5X450 | 铁丝 | Iron wire | 2 |
| 32 | 50M.01-18 | 螺母M16×1.5 | Nut | 8 |
| 33 | 50M.01-21 | 差速器小壳 | Differential cage | 1 |

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# 第42图 ZL50M主传动总成

# FIG.42 MAIN TRANSMISSION ASSEMBLY



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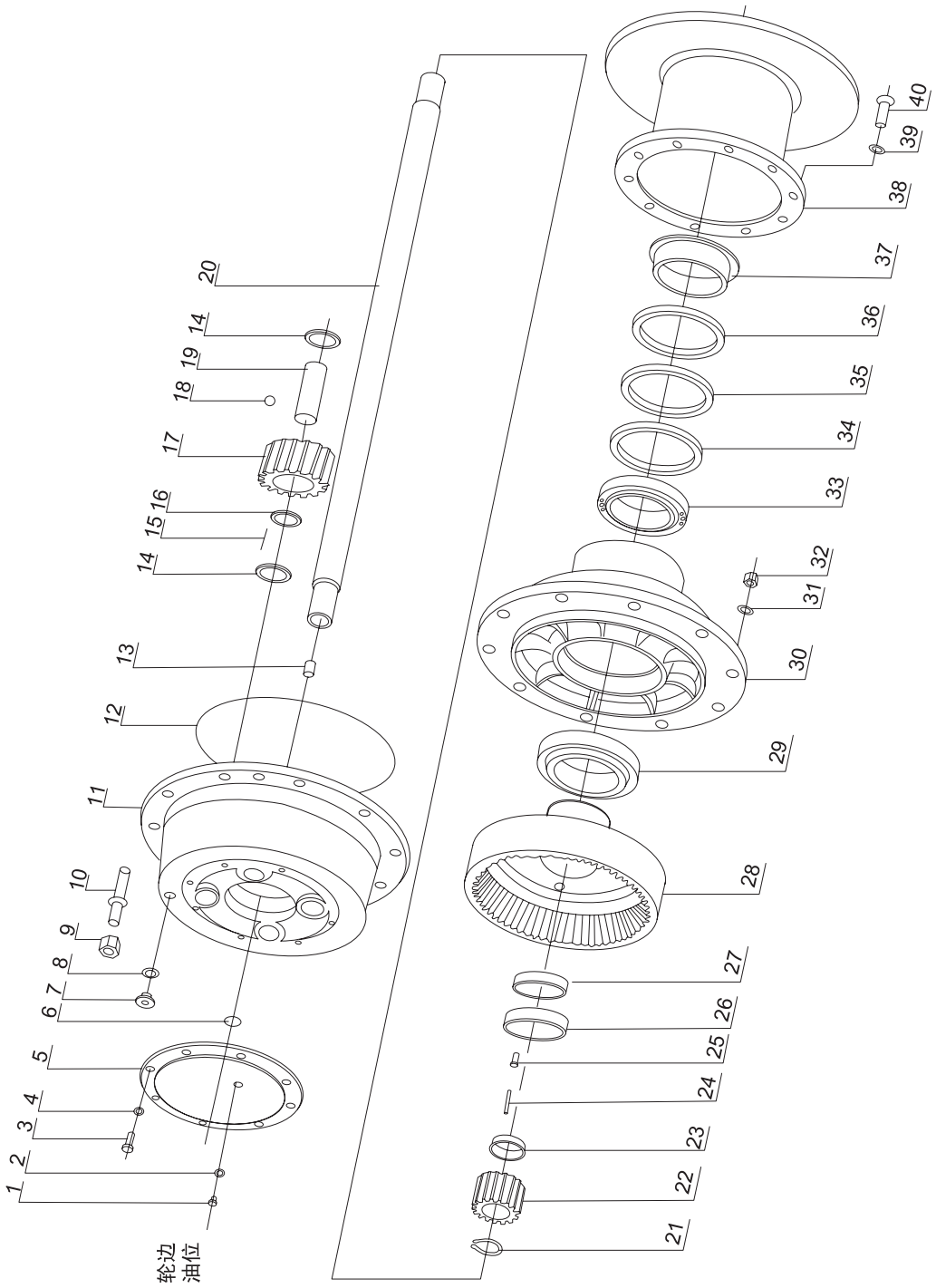
| 序号<br>NO. | 部件号<br>PART NO. | 零件名称<br>PART NAME | | 数量<br>Q'TY |
|---|---|---|---|---|
| 34 | 50M.01-09B | 半轴齿轮垫片 | Thrust washer | 2 |
| 35 | 50M.01-22 | 半轴齿轮 | Axle shaft gear | 2 |
| 36 | 50M.01-08 | 主减速器壳 | Differential cage | 1 |
| 37 | 50L.01.03 | 止推螺栓 | Bolt | 1 |
| 38 | 50L.01-23 | 锁紧片 | Lock plate | 1 |
| 39 | GB6173 M27×2 | 螺母M27×2 | Nut | 1 |
| 40 | NJ2307ENVX3 | 轴承 | Bearing | 1 |
| 41 | GB305 90/96.5 | 止动环90/96.5 | Stop ring | 1 |
| 42 | 50M.01-07A/B | 主动螺旋伞齿轮 | Driving bevel gear | 1 |
| 43 | GB93 14 | 垫圈14 | Washer | 7 |
| 44 | GB5785 M14×1.5×55 | 螺栓M14×1.5×55 | Bolt | 7 |

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# 第43图 ZL50M轮边总成

# FIG.43 PLANETARY ASSEMBLY



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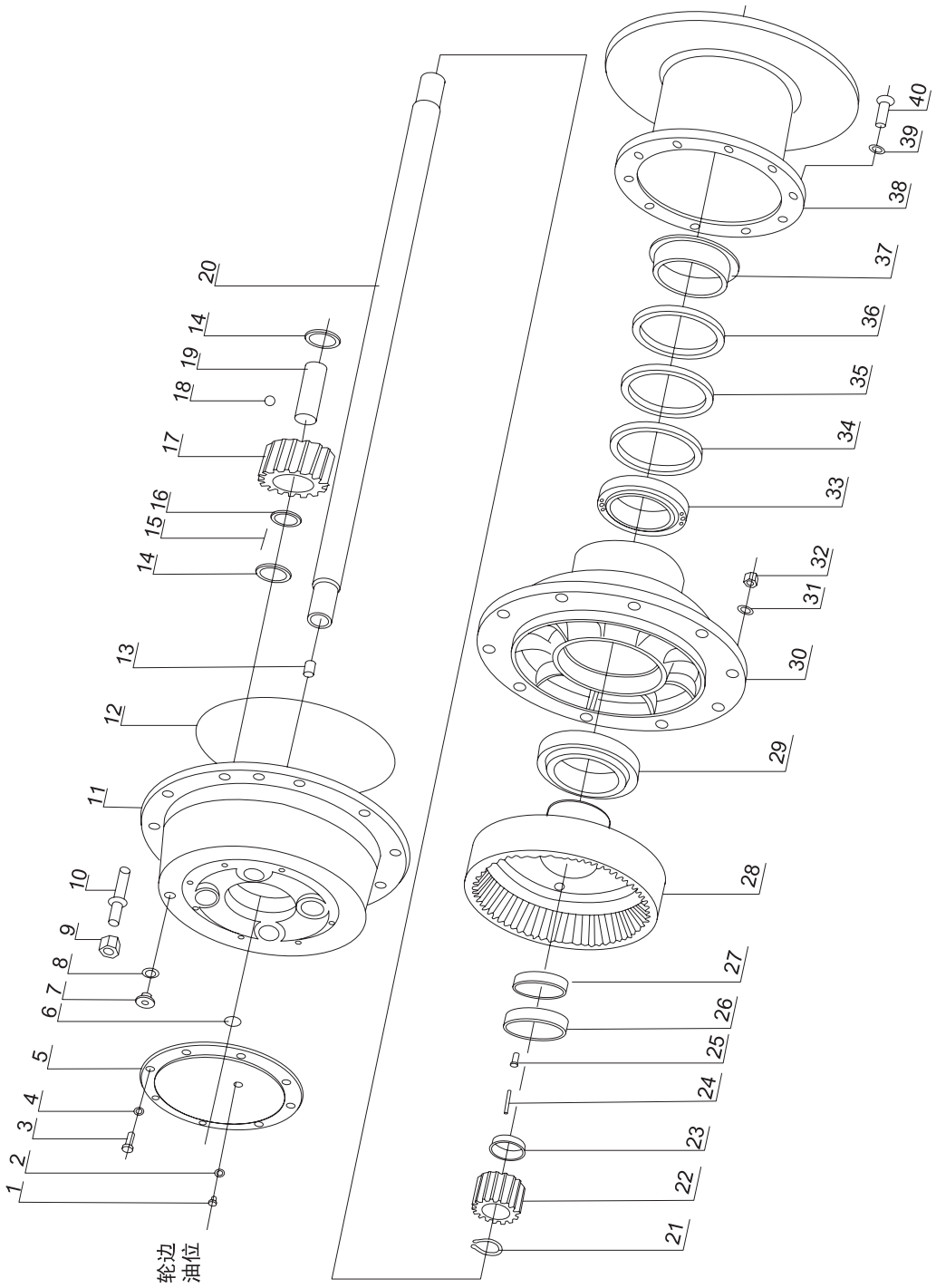
| 序号 NO. | 部件号 PART NO. | 零件名称 PART NAME | | 数量 Q'TY |
|---|---|---|---|---|
| 0 | 50M.00 | 轮边总成 | Planetary reductor assembly | 2 |
| 1 | 50M.00-13 | 轮边油位塞 | Plug | 2 |
| 2 | JB982 12 | 组合垫圈12 | Washer | 2 |
| 3 | GB5785 M12×1.25×30 | 螺栓M12×1.25×30 | Bolt | 16 |
| 4 | GB93 12 | 垫圈12 | Washer | 16 |
| 5 | 50M.04 | 端盖 | Cover | 2 |
| 6 | 50M.00-11 | 轮边端盖挡块 | Snap ring | 2 |
| 7 | 50M.00-07 | 油位塞 | Plug | 4 |
| 8 | GB3452.1 25.8×2.65 | O形密封圈25.8×2.65 | O ring | 4 |
| 9 | ZL60D.24.2 | 轮辋螺母组合（左/右） | Bolt for rim（l/r） | 24 |
| 10 | 404022（QZ） | 轮辋螺栓(左/右） | Bolt for rim（l/r） | 24 |
| 11 | 50M.00-05S | 行星轮架 | Planet gear carrier | 2 |
| 12 | 50M.00-18 | 密封圈 | Seal ring | 2 |
| 13 | 50M.00-12 | 调整支柱 | Adjusting pin | 2 |
| 14 | 50M.00-09 | 行星轮垫片 | Washer for planetary gear | 16 |
| 15 | 50M.00-08 | 滚针 | Roller needle | 432 |
| 16 | 50M.00-10 | 行星轮中间隔套 | Space bushing | 8 |
| 17 | 50M.00-06 | 行星轮 | Planetary gear | 8 |
| 18 | GB308 Φ3/8″ | 钢球Φ3/8″ | Steel ball | 8 |
| 19 | 50M.00-15 | 行星轮轴 | Shaft of planetary gear | 8 |
| 20 | 50M.00-01 | 半轴 | Shaft | 2 |
| 21 | GB894.2 50 | 挡圈50 | Snap ring | 2 |
| 22 | 50M.00-14 | 太阳轮 | Sun gear | 2 |
| 23 | 50M.00-16 | 隔套 | Spacer | 2 |
| 24 | ϕ1.6 | 铁丝Φ1.6 | Iron wire | 2 |
| 25 | 50MA.00-03 | 紧固螺栓 | Fastening bolts | 4 |
| 26 | 50M.00-17A | 槽螺母 | Slot nut | 2 |
| 27 | 50M.03A.01-02 | 套 | Bush | 2 |
| 28 | 50M.03A | 齿圈支承总成 | Internal gear assy | 2 |
| 29 | GB297 32026 | 轴承32026 | Bearing | 2 |
| 30 | 50MA.00-01A | 轮毂 | Hub | 2 |
| 31 | GB93 22 | 垫圈22 | Washer | 24 |
| 32 | GB6171 M22×1.5 | 螺母M22×1.5 | Nut | 24 |
| 33 | GB297 32024 | 轴承32024 | Bearing | 2 |
| 34 | 50MA.00-02 | 垫圈 Washer | Spacer for seal | 2 |
| 35 | GB893.1 180 | 挡圈180 | Snap ring | 2 |

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# 第43图 ZL50M轮边总成

# FIG.43 PLANETARY ASSEMBLY



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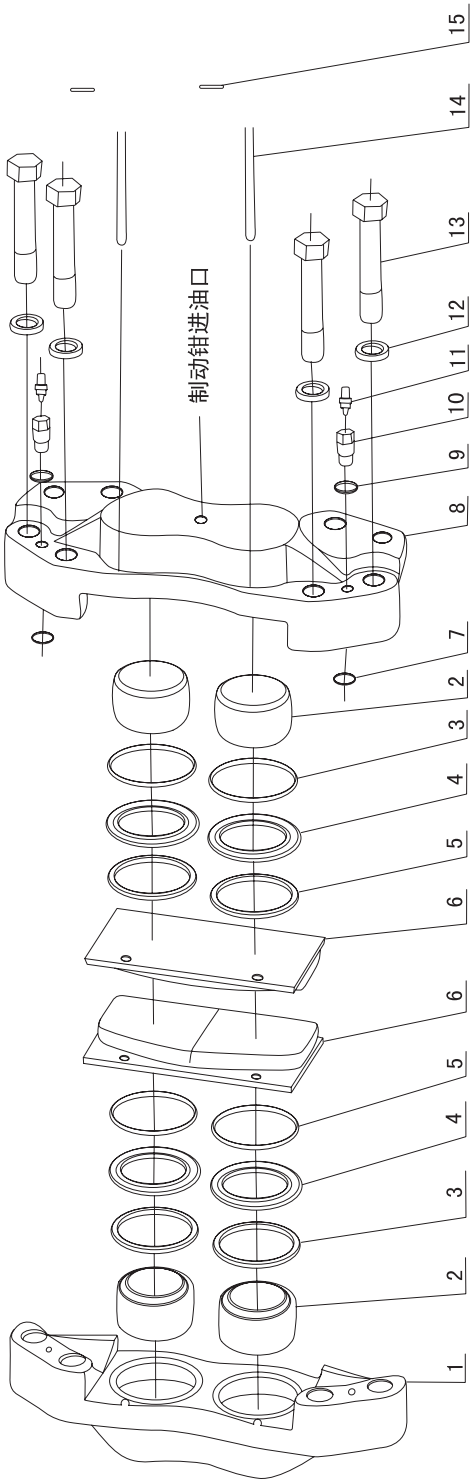
| 序号 NO. | 部件号 PART NO. | 零件名称 PART NAME | | 数量 Q'TY |
|---|---|---|---|---|
| 36 | GB13871 B150X180X15 | 油封B150X180X15 | Oil seal | 2 |
| 37 | GB13871 FB150X180X15 | 油封FB150X180X15 | Gasket | 2 |
| 38 | 504002B | 制动盘 | Brake disk | 2 |
| 39 | GB93 20 | 垫圈20 | Washer | 20 |
| 40 | 404010 | 制动盘螺栓 | Bolt for brake | 20 |

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# 第44图 ZL50M制动钳总成

# FIG.44 BRAKE ASSEMBLY



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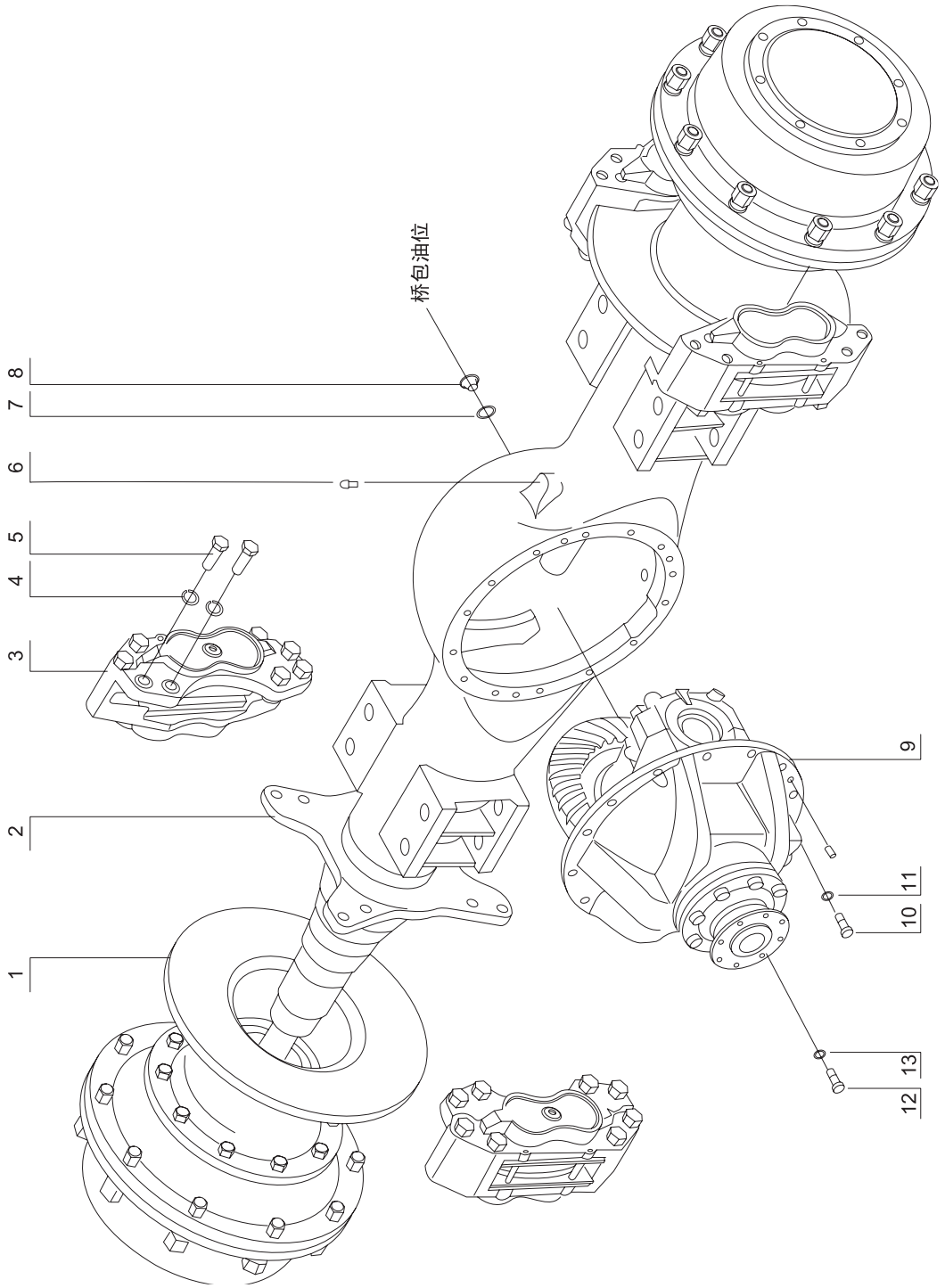
| 序号<br>NO. | 部件号<br>PART NO. | 零件名称<br>PART NAME | | 数量<br>Q'TY |
|---|---|---|---|---|
| 1 | 408109-109A | 外钳 | Exterior brake | 1 |
| 2 | 408113A | 活塞 | Piston | 4 |
| 3 | 408112 | 矩型密封圈 | Rectangular seal | 4 |
| 4 | 408110 | 防尘罩 | Dust case | 4 |
| 5 | 408111 | 卡圈 | Block ring | 4 |
| 6 | 408107-108A | 制动片 | Brake disk | 2 |
| 7 | GB1235 20×2.4 | O形圈20×2.4 | O-ring | 2 |
| 8 | 408105-106A | 内钳 | Inner brake | 1 |
| 9 | 408124 | 垫圈 | Washer | 2 |
| 10 | 408104 | 接头 | Connecting | 2 |
| 11 | 408103 | 放气嘴 | Deflating valve | 2 |
| 12 | GB93 22 | 垫圈22 | Washer | 4 |
| 13 | 408121 | 螺栓 | Bolt | 4 |
| 14 | 408026A | 定位销 | Positioning pin | 2 |
| 15 | GB91 2.5X30 | 开口销 2.5X30 | Cotter pin | 2 |

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# 第45图 驱动桥总成(370801)

# FIG.45 DRIVE AXLE ASSEMBLY



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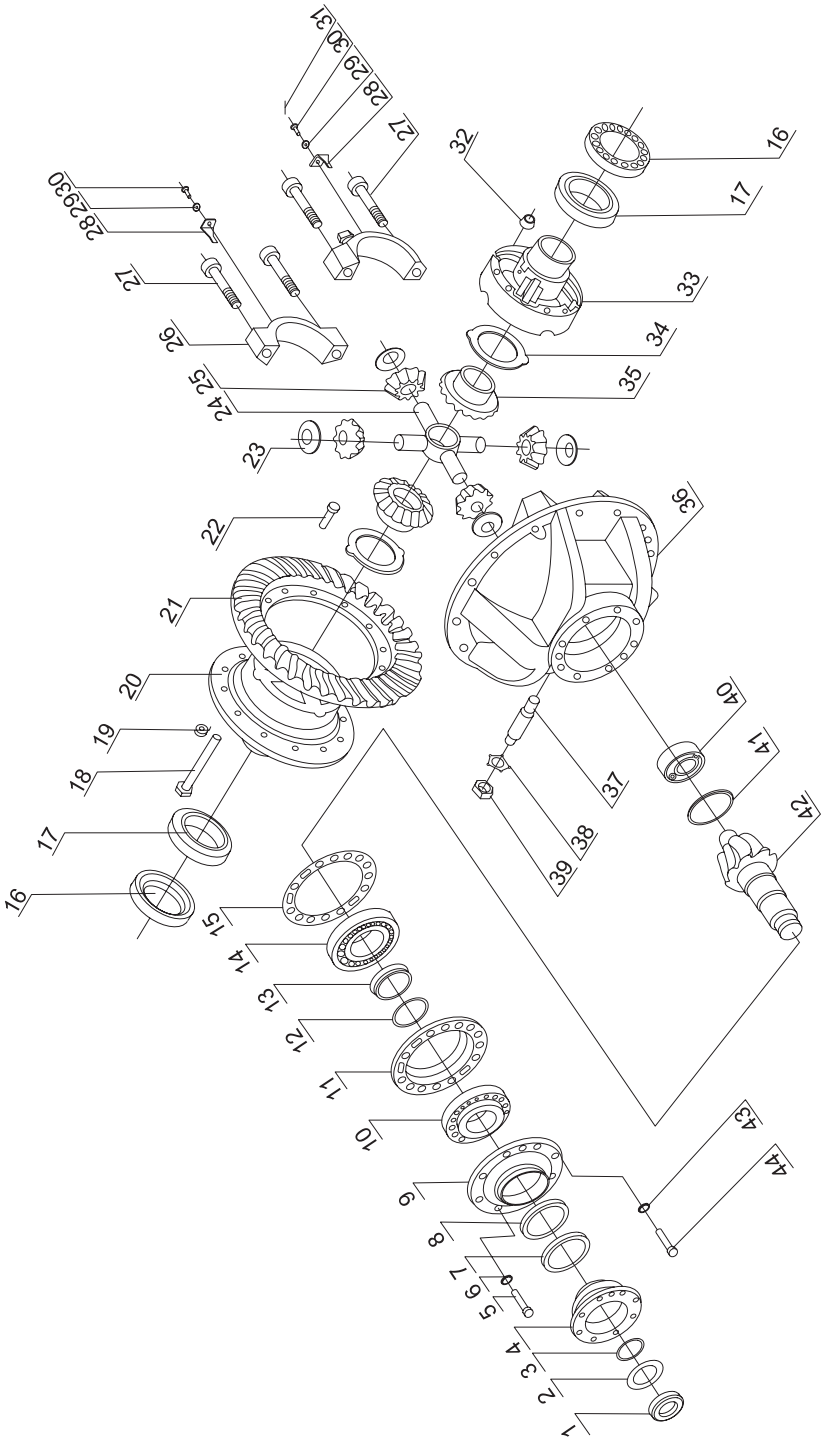
| 序号 NO. | 部件号 PART NO. | 零件名称 PART NAME | | 数量 Q'TY |
|---|---|---|---|---|
| 1 | 461-18-00000 | 轮边减速器总成 | Planetary assy. | 2 |
| 2 | 461-18-02000 | 桥壳总成 | Driving axle shell | 2 |
| 3 | 461-18-03000 | 制动钳总成 | Brake assy. | 4 |
| 4 | 01602-12060 | 垫圈20 | Washer | 16 |
| 5 | 461-18-03001 | 制动钳螺栓 | Bolt for brake | 16 |
| 6 | Q9001 | 放气阀Z1/8 | Deflation valve | 1 |
| 7 | GB3452.1,25.8X2.65 | 密封圈25.8X2.65 | Seal | 2 |
| 8 | 461-18-00008 | 油位塞M24X1.5 | Plug | 2 |
| 9 | 461-18-01000 | 主传动总成 | Main reductor assy. | 1 |
| 10 | 01090-51240 | 六角头铰制孔用螺栓M12×40 | Bolt | 2 |
| 11 | 01602-21236 | 垫圈12 | Washer | 2 |
| 12 | GB5785,M14X1.5X40 | 螺栓M14X1.5X40 | Bolt | 12 |
| 13 | 01602-21442 | 垫圈14 | Washer | 12 |

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# 第46图 主传动总成(370801)

# FIG.46 MAIN TRANSMISSION ASSEMBLY



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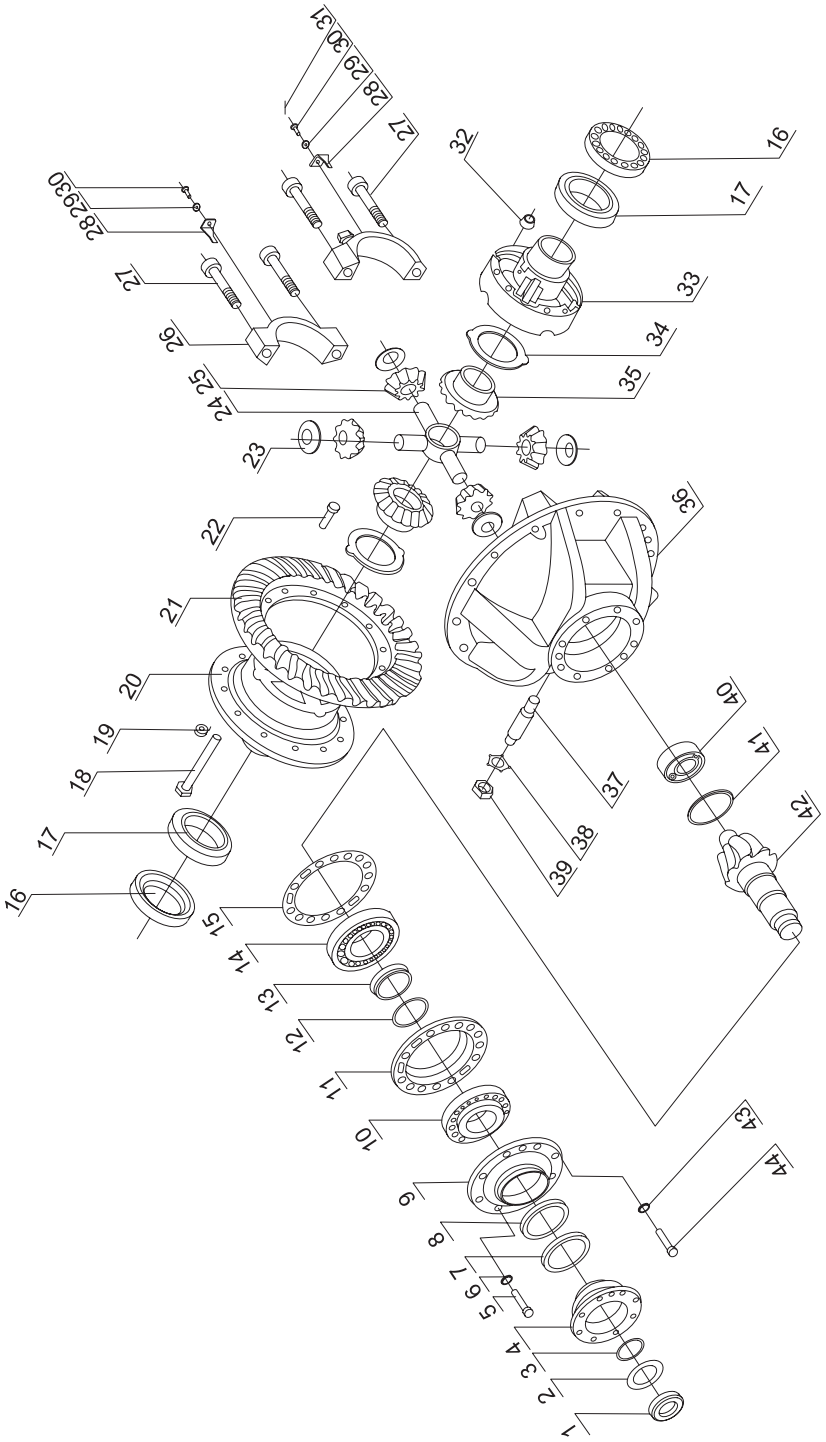
| 序号 NO. | 部件号 PART NO. | 零件名称 PART NAME | | 数量 Q'TY |
|---|---|---|---|---|
| 0 | 461-18-01000 | 主传动总成 | Main transmission assy. | 1 |
| 1 | 461-18-01001 | 锁紧螺母 | Lock nut | 1 |
| 2 | 461-18-01002 | 垫圈 | Washer | 1 |
| 3 | 461-18-01032 | O 形密封圈 | O-seal ring | 1 |
| 4 | 461-18-01101 | 法兰 | Flange | 1 |
| 5 | GB5785 M12X1.5X55 | 螺栓M12X1.5X55 | Bolt | 1 |
| 6 | 01602-21236 | 垫圈12 | Washer | 1 |
| 7 | GB13871 FB80X100X10 | 油封FB80X100X10 | Oil seal | 1 |
| 8 | GB13871 B80X100X10 | 油封B80X100X10 | Oil seal | 1 |
| 9 | 461-18-01003 | 密封盖 | Sealing gland | 1 |
| 10 | GB297 31313 | 轴承31313 | Bearing | 1 |
| 11 | 461-18-01004 | 轴承套 | Bearing bushing | 1 |
| 12 | 461-18-01005/6/7 | 调整垫片 | Adjusting washer | 1 组 |
| 13 | 461-18-01008 | 轴套 | Shaft bushing | 1 |
| 14 | GB297 31314 | 轴承31314 | Bearing | 1 |
| 15 | 461-18-01029/30/31 | 调整垫片 | Adjusting washer | 1 组 |
| 16 | 461-18-01025 | 调整螺母 | Adjusting nut | 2 |
| 17 | Inch 47686/47620A | 轴承 | Bearing | 2 |
| 18 | 461-18-01021 | 差速器螺栓 | Differential bolt | 8 |
| 19 | 461-18-01016 | 螺母M14X1.5 | Nut | 12 |
| 20 | 461-18-01015 | 差速器大壳 | Differential cage | 1 |
| 21 | 461-18-01018 | 从动螺旋伞齿轮 | Driven bevel gear | 1 |
| 22 | 461-18-01017 | 盆齿紧固螺栓 | Bolt | 12 |
| 23 | 461-18-01019 | 锥齿轮垫片 | Washer for bevel gear | 4 |
| 24 | 461-18-01028 | 十字轴 | Differential crossing | 1 |
| 25 | 461-18-01020 | 锥齿轮 | Bevel gear | 4 |
| 26 | 461-18-01023 | 轴承座 | Bearing seat | 2 |
| 27 | 461-18-01013 | 螺栓 | Bolt | 4 |
| 28 | 461-18-01009 | 锁紧片 | Lock plate | 2 |
| 29 | 01602-21030 | 垫圈10 | Washer | 2 |
| 30 | 01014-81020 | 螺栓M10X1X20 | Bolt | 2 |
| 31 | 461-18-01014 | 铁丝Φ3.2X450 | Iron wire | 2 |
| 32 | 461-18-01022 | 螺母M16X1.5 | Nut | 8 |
| 33 | 461-18-01026 | 差速器小壳 | Differential cage | 1 |
| 34 | 461-18-01012 | 半轴齿轮垫片 | Thrust washer | 2 |
| 35 | 461-18-01027 | 半轴齿轮 | Axle shaft gear | 2 |

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# 第46图 主传动总成(370801)

# FIG.46 MAIN TRANSMISSION ASSEMBLY



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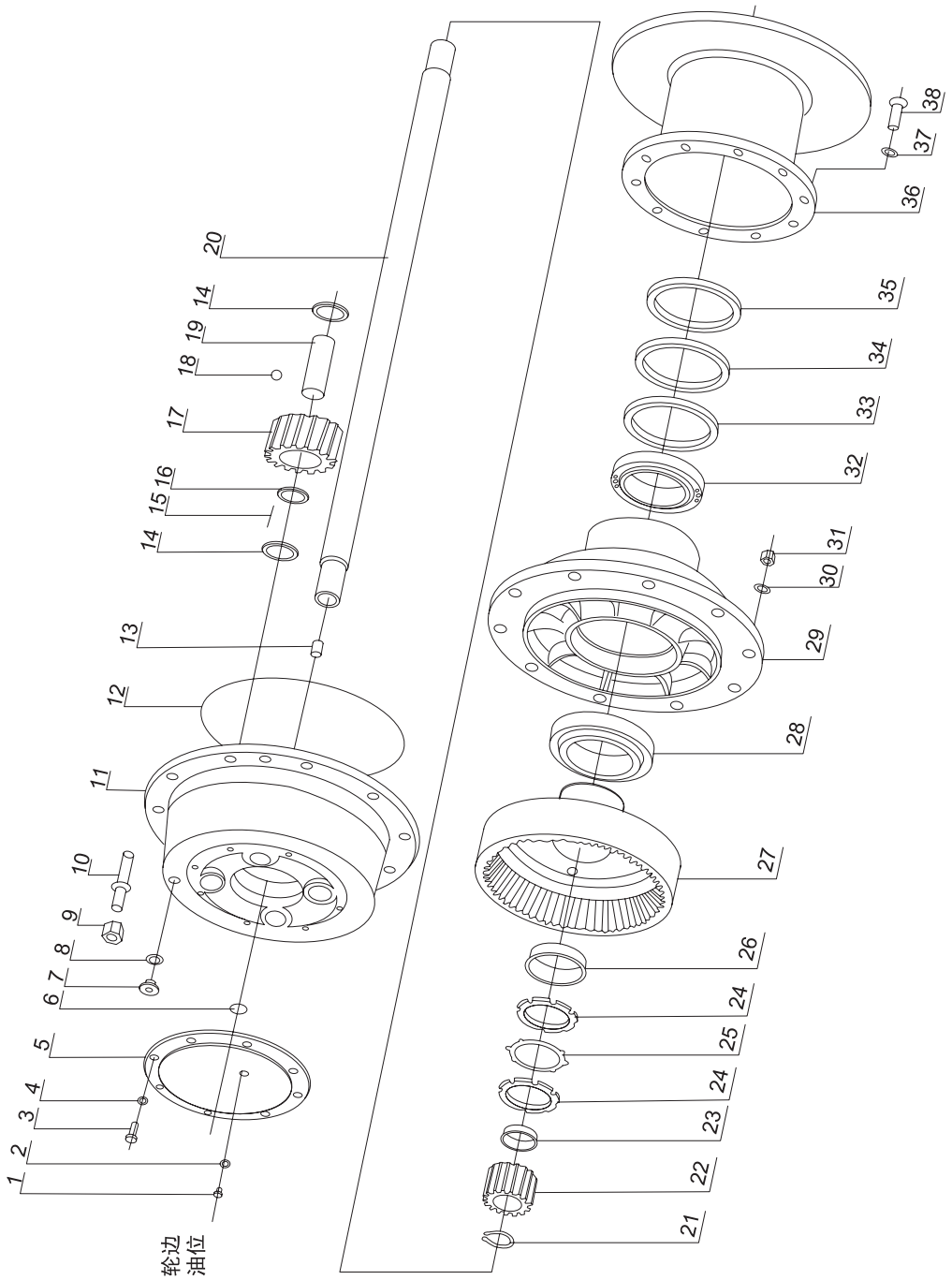
| 序号 NO. | 部件号 PART NO. | 零件名称 PART NAME | | 数量 Q'TY |
|---|---|---|---|---|
| 36 | 461-18-01011 | 主减速器壳 | Differential cage | 1 |
| 37 | 461-18-01200 | 止推螺栓 | Bolt | 1 |
| 38 | 461-18-01024 | 锁紧片 | Lock plate | 1 |
| 39 | GB6173 M27X2 | 螺母M27X2 | Nut | 1 |
| 40 | NJ2307ENVX3 | 英制轴承 | Bearing | 1 |
| 41 | GB305 90/96.5 | 止动环90/96.5 | Stop ring | 1 |
| 42 | 461-18-01010 | 主动螺旋伞齿轮 | Driving bevel gear | 1 |
| 43 | 01602-21442 | 垫圈14 | Washer | 7 |
| 44 | 01050-51455 | 螺栓M14X1.5X55 | Bolt | 7 |

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# 第47图 轮边总成(370801)

# FIG.47 PLANETARY ASSEMBLY



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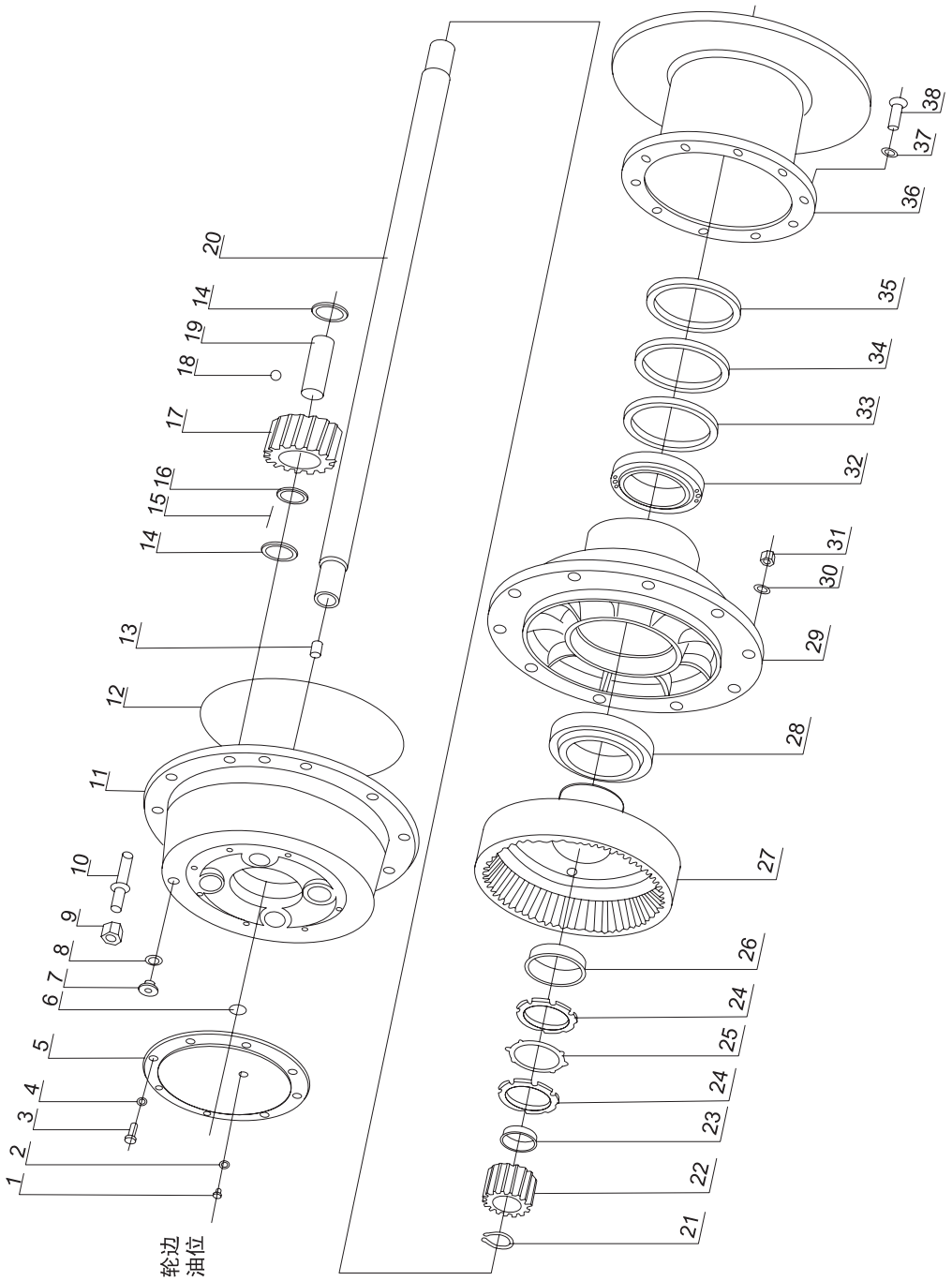
| 序号<br>NO. | 部件号<br>PART NO. | 零件名称<br>PART NAME | | 数量<br>Q'TY |
|---|---|---|---|---|
| 0 | 461-18-00000 | 轮边总成 | Planetary assy | 1 |
| 1 | 461-18-00015 | 轮边油位塞 | Oil plug | 2 |
| 2 | 07005-01212 | 组合垫圈12 | Washer | 2 |
| 3 | GB5785 M12×1.25×30 | 螺栓M12×1.25×30 | Bolt | 16 |
| 4 | 01602-21236 | 垫圈12 | Washer | 16 |
| 5 | 461-18-00013 | 端盖 | Cover | 2 |
| 6 | 461-18-00012 | 轮边端盖挡块 | Snap Ring | 2 |
| 7 | GB3452.1 25.8×2.65 | O 形密封圈25.8×2.65 | O- ring | 4 |
| 8 | 461-18-00008 | 油位塞 | Oil plug | 4 |
| 9 | 461-18-04000 | 轮辋螺母组合 | Nut for rim | 24 |
| 10 | 461-18-00005 | 轮辋螺栓 | Bolt for rim | 24 |
| 11 | 461-18-00006 | 行星轮架 | Planet gear carrier | 2 |
| 12 | 461-18-00020 | 密封圈 | Seal ring | 2 |
| 13 | 461-18-00014 | 调整支柱 | Adjusting pin | 2 |
| 14 | 461-18-00010 | 行星轮垫片 | Planet gasket | 16 |
| 15 | 461-18-00009 | 滚针 | Roller needle | 432 |
| 16 | 461-18-00011 | 行星轮中间隔套 | Bushing | 8 |
| 17 | 461-18-00007 | 行星轮 | Planet gear | 8 |
| 18 | 04260-00952 | 钢球Φ3/8″ | Steel Ball | 8 |
| 19 | 461-18-00017 | 行星轮轴 | Planet pin | 8 |
| 20 | 461-18-00001 | 半轴 | Shaft | 2 |
| 21 | 04064-05020 | 挡圈50 | Snap ring | 2 |
| 22 | 461-18-00016 | 太阳轮 | Sun gear | 2 |
| 23 | 461-18-00018 | 隔套 | Spacer | 2 |
| 24 | 461-18-00019 | 圆螺母 | Nut | 4 |
| 25 | GB858 85 | 止动垫圈85 | Locking washer | 2 |
| 26 | 461-18-00021 | 锥套 | Taper bushing | 2 |
| 27 | 461-18-05000 | 齿圈支承总成 | Internal gear assy | 2 |
| 28 | GB297 32026 | 轴承32026 | Bearing | 2 |
| 29 | 461-18-00004 | 轮毂 | Hub | 2 |
| 30 | 01602-12268 | 垫圈22 | Washer | 24 |
| 31 | 01582-12218 | 螺母M22×1.5 | Nut | 24 |
| 32 | GB297 32024 | 轴承32024 | Bearing | 2 |
| 33 | 461-18-00022 | 垫圈 | Washer | 2 |
| 34 | GB893.1 180 | 挡圈180 | Snap ring | 2 |
| 35 | 461-18-00023 | 轮边油封 | Oil Seal | 2 |

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# 第47图 轮边总成(370801)

# FIG.47 PLANETARY ASSEMBLY



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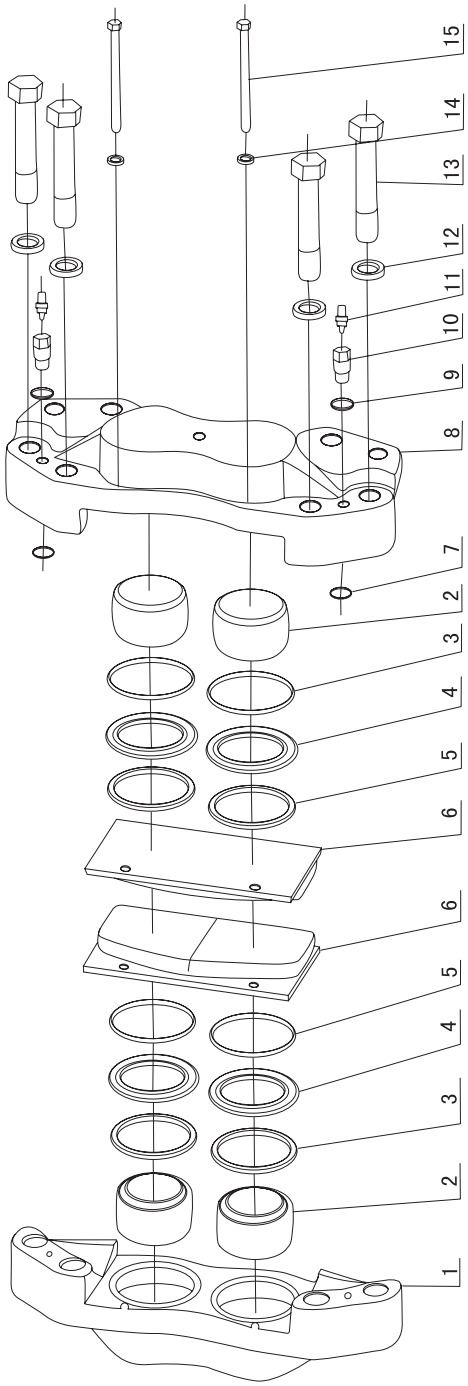
| 序号<br>NO. | 部件号<br>PART NO. | 零件名称<br>PART NAME | | 数量<br>Q'TY |
|---|---|---|---|---|
| 36 | 461-18-00002 | 制动盘 | Brake disk | 2 |
| 37 | 01602-12060 | 垫圈20 | Washer | 20 |
| 38 | 461-18-00003 | 制动盘螺栓 | Bolt for brake | 20 |

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# 第48图 制动钳总成(370801)

# FIG.48 BRAKE ASSEMBLY



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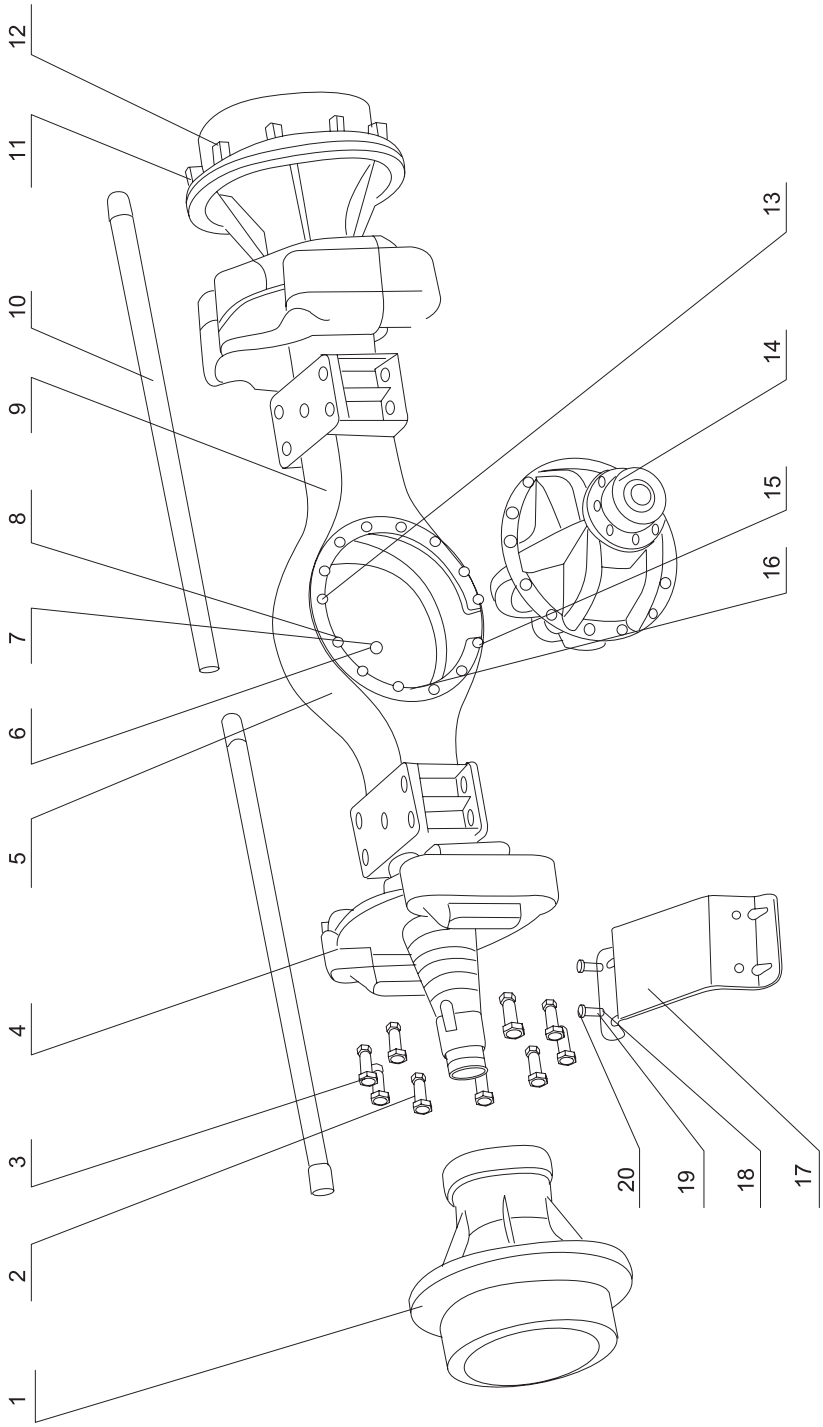
| 序号<br>NO. | 部件号<br>PART NO. | 零件名称<br>PART NAME | | 数量<br>Q'TY |
|---|---|---|---|---|
| 0 | 461-18-03000 | 制动钳总成 | Brake assy. | 1 |
| 1 | 461-18-03001 | 外钳 | Exterior brake | 1 |
| 2 | 461-18-03002 | 活塞 | Piston | 4 |
| 3 | 461-18-03003 | 矩型密封圈 | Rectangular seal | 4 |
| 4 | 461-18-03004 | 防尘罩 | Dust cover | 4 |
| 5 | 461-18-03005 | 卡圈 | Block ring | 4 |
| 6 | 461-18-03006 | 制动片 | Brake disk | 2 |
| 7 | GB1235 20X2.4 | O 形圈20X2.4 | O-ring | 2 |
| 8 | 461-18-03007 | 内钳 | Inner brake | 1 |
| 9 | 461-18-03008 | 垫圈 | Washer | 2 |
| 10 | 461-18-03009 | 接头 | Joint | 2 |
| 11 | 461-18-03010 | 放气嘴 | Deflating valve | 2 |
| 12 | 01602-12268 | 垫圈22 | Washer | 4 |
| 13 | 461-18-03011 | 螺栓 | Bolt | 4 |
| 14 | 01602-21030 | 垫圈10 | Washer | 2 |
| 15 | 461-18-03012 | 螺栓销 | Bolt pin | 2 |

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# 第49图 C216BRA前桥总成

# FIG.49 FRONT AXLE ASSEMBLY



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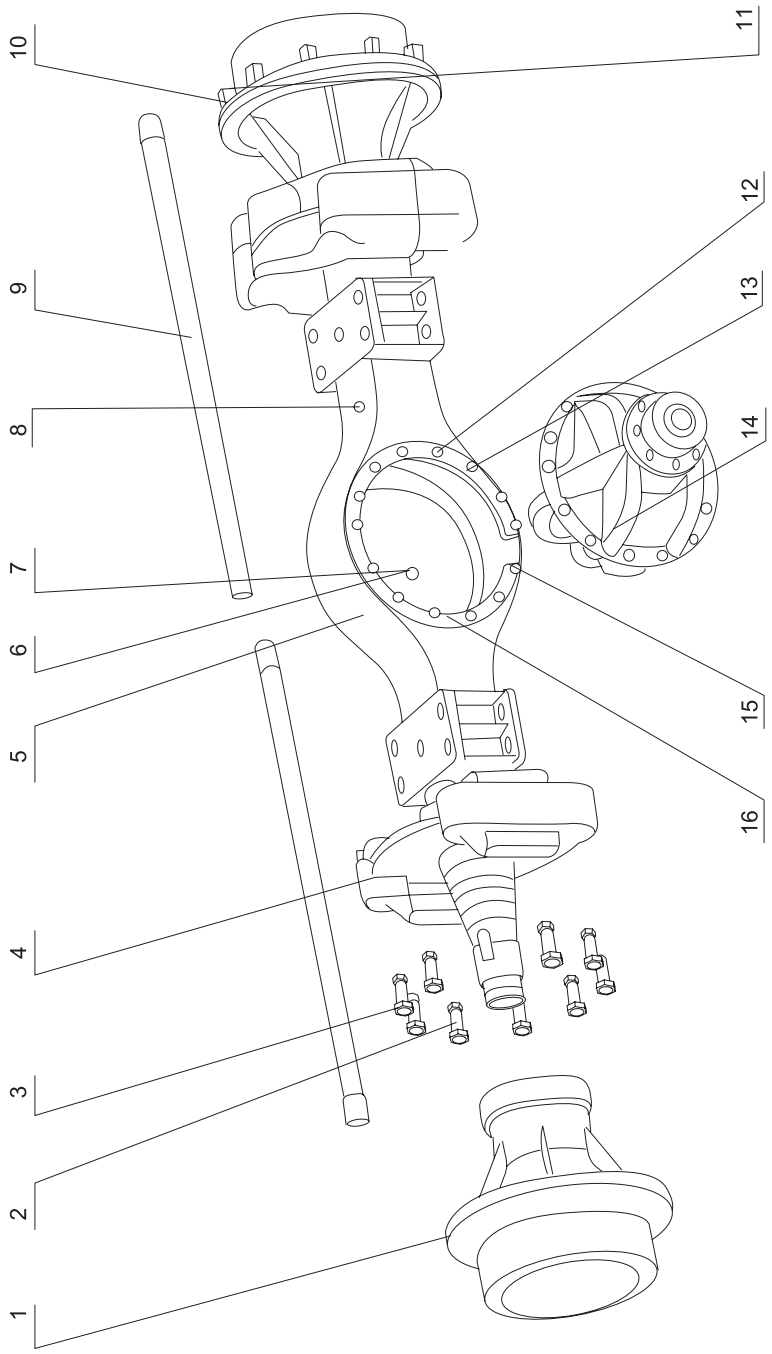
| 序号 NO. | 部件号 PART NO. | 零件名称 PART NAME | | 数量 Q'TY |
|---|---|---|---|---|
| 1 | 93000021 | 轮边减速总成 | Planetary assembly | 2 |
| 2 | 75502324 | 轮辋螺栓M22×1.5LH×90 | Rim bolt | 12 |
| 3 | 80041003 | 轮辋螺母M22×1.5LH | Rim nut | 12 |
| 4 | 84741300 | 制动器总成 | Brake assembly | 2 |
| 5 | 91110023 | 桥壳总成 | Housing assembly | 1 |
| 6 | 75500197 | 螺塞M24×1.5 | Plug | 2 |
| 7 | 53200005 | 组合密封垫24 | Compound seal | 2 |
| 8 | 80788005 | 螺栓M14×1.5×60 | Bolt | 2 |
| 9 | 56100001 | 通气塞 | Plug | 1 |
| 10 | 79000142 | 半轴 | Axle shaft | 2 |
| 11 | 75502318 | 轮辋螺栓M22×1.5×90 | Rim bolt | 12 |
| 12 | 80041001 | 轮辋螺母M22×1.5LH | Rim nut | 12 |
| 13 | 80788006 | 螺栓14×1.5×35 | Bolt | 10 |
| 14 | 82310500 | 主减速器总成 | Carrier assembly | 1 |
| 15 | 80788007 | 螺栓14×1.5×40 | Bolt | 2 |
| 16 | 51270005 | 销 12m6×20 | Pin | 3 |
| 17 | 80303004 | 防尘罩 | Dust cover | 2 |
| 18 | 52000002 | 垫圈10 | Washer | 8 |
| 19 | 52020003 | 垫圈10 | Washer | 8 |
| 20 | 50009011 | 螺栓M10×20 | Bolt | 8 |

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# 第50图 C216BSA 后桥总成

# FIG.50 REAR AXLE ASSEMBLY



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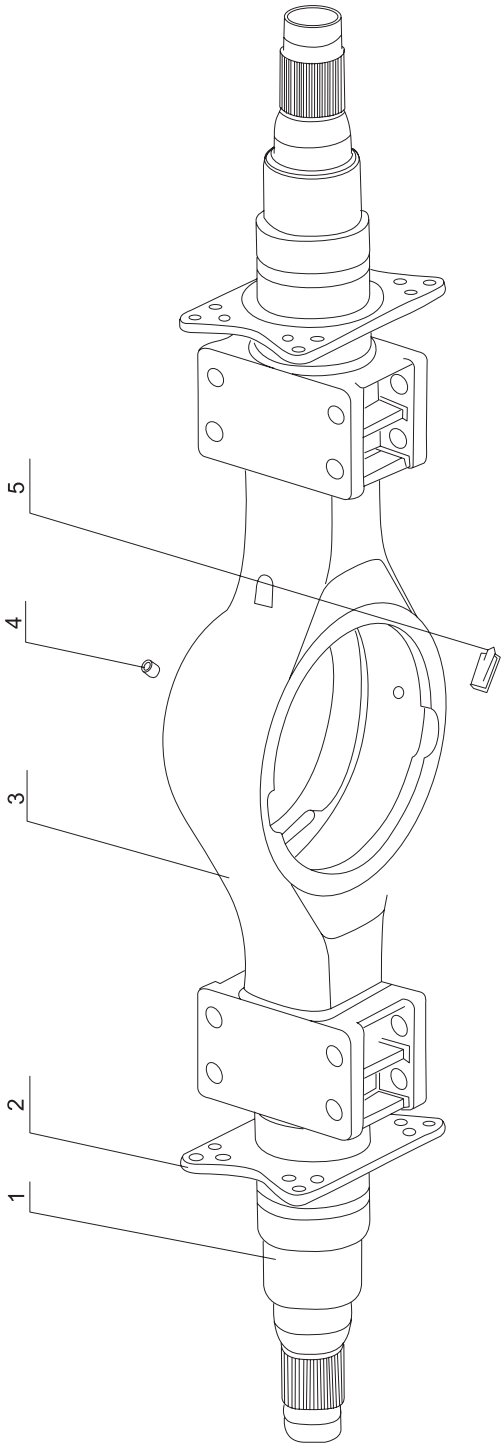
| 序号<br>NO. | 部件号<br>PART NO. | 零件名称<br>PART NAME | | 数量<br>Q'TY |
|---|---|---|---|---|
| 1 | 93000020 | 轮边减速总成 | Planetary Assembly | 2 |
| 2 | 75502318 | 轮辋螺栓M22×1.5×90 | Rim bolt | 12 |
| 3 | 80041001 | 轮辋螺母22×1.5LH | Rim Bolt | 12 |
| 4 | 72006036 | 双钳盘制动器总成 | Brake Assembly | 2 |
| 5 | 91110023 | 桥壳总成 | Housing Assembly | 1 |
| 6 | 75500197 | 螺塞M24×1.5 | Plug | 2 |
| 7 | 53200005 | 组合密封垫24 | Compound Seal | 2 |
| 8 | 56100001 | 通气塞Z1/8″ | Plug | 1 |
| 9 | 79000142 | 半轴 | Axle Shaft | 2 |
| 10 | 75502324 | 轮辋螺栓M22×1.5LH×90 | Rim Bolt | 12 |
| 11 | 80041003 | 轮辋螺母M22×1.5LH | Rim Nut | 12 |
| 12 | 80788006 | 螺栓14×1.5×35 | Bolt | 10 |
| 13 | 80788007 | 螺栓14×1.5×40 | Bolt | 2 |
| 14 | 82311600 | 主减速器总成 | Carrier Assembly | 1 |
| 15 | 80788005 | 螺栓14×1.5×40 | Bolt | 2 |
| 16 | 51270005 | 销 12m6×20 | Pin | 3 |

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# 第51图 桥壳总成

# FIG.51 HOUSING ASSEMBLY



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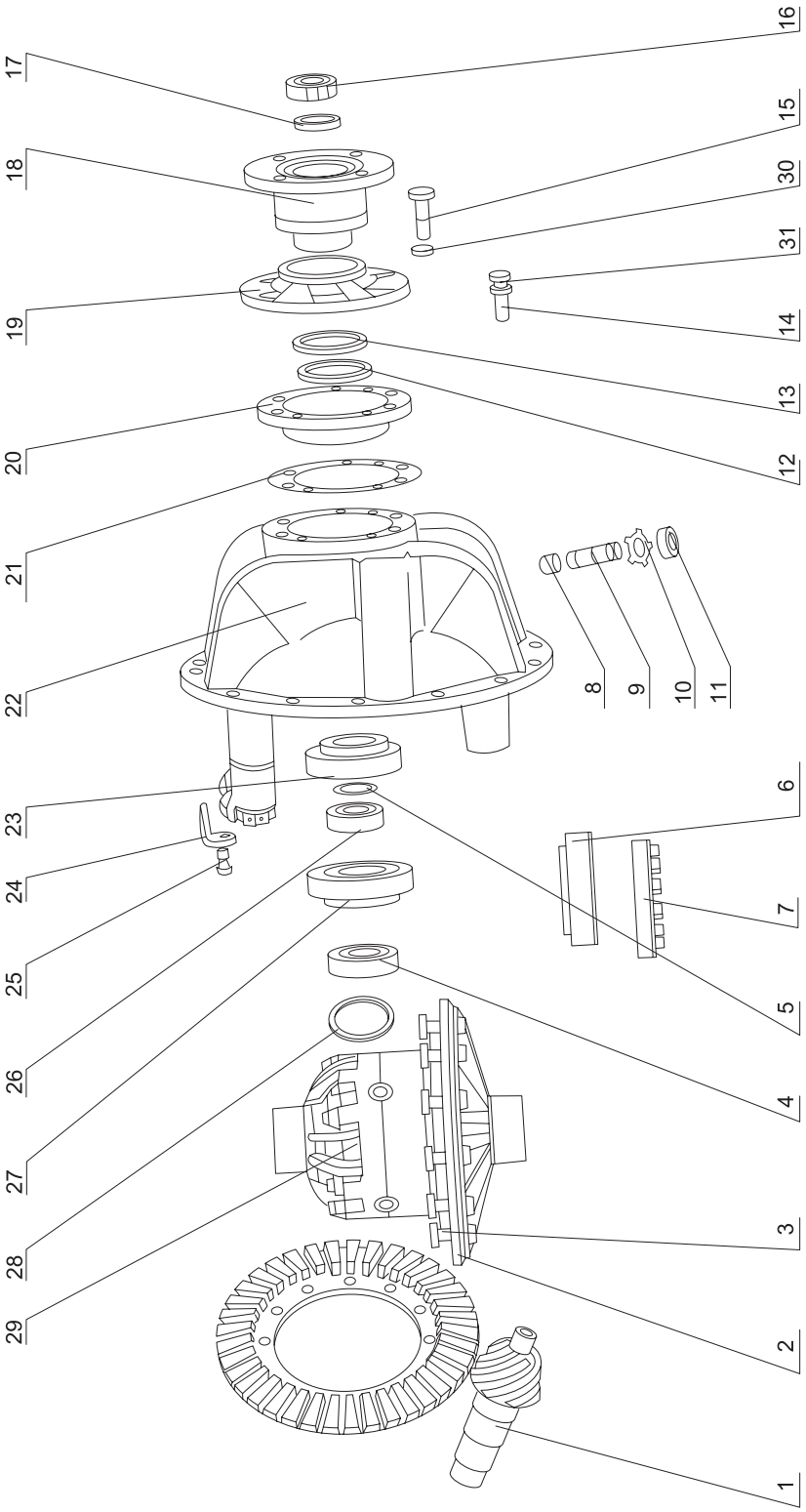
| 序号<br>NO. | 部件号<br>PART NO. | 零件名称<br>PART NAME | | 数量<br>Q'TY |
|---|---|---|---|---|
| 0 | 91110023 | 桥壳总成 | Housing assembly | 1 |
| 1 | 91130008 | 支承轴 | Spindle | 2 |
| 2 | 81639101 | 制动钳支架 | Bracket | 2 |
| 3 | 81899101 | 桥壳 | Housing | 1 |
| 4 | 80351001 | 油管固定块 | Oil condensate | 1 |
| 5 | 70700556 | 挡油板 | Oil baffle plate | 1 |

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# 第52图 主减速器总成

# FIG.52 CARRIER ASSEMBLY



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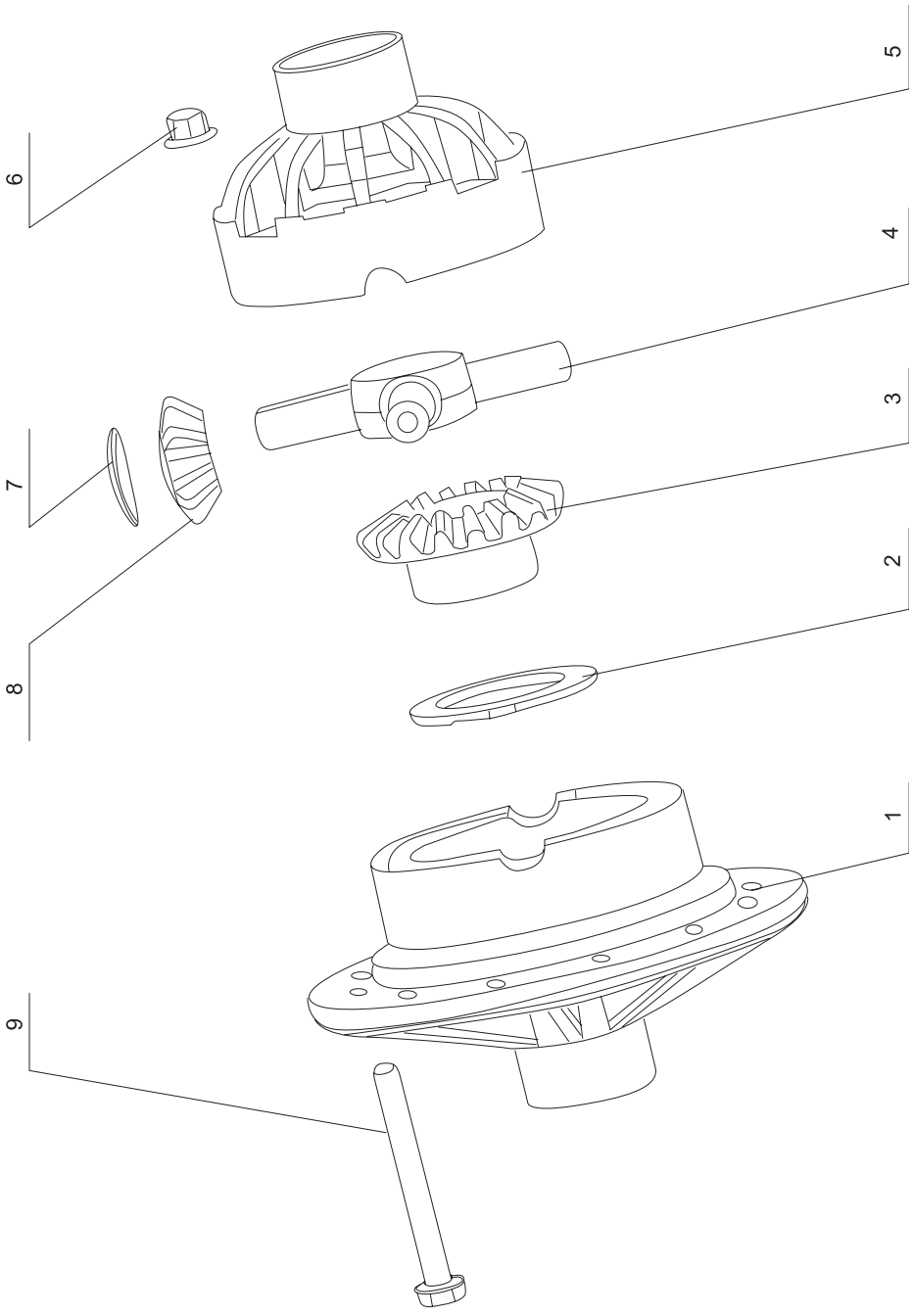
| 序号 NO. | 部件号 PART NO. | 零件名称 PART NAME | | 数量 Q'TY |
|---|---|---|---|---|
| 0 | 82310500 | 主减速器总成(前桥) | Carrier assy.(front axle) | 1 |
| | 82311600 | 主减速器总成(后桥) | Carrier assy.(rear axle) | 1 |
| 1 | 75201867 | 主传动齿轮副(前桥)8×37LH | Spur Pinion Set(front axle) | 1 |
| | 75202362 | 主传动齿轮副(后桥)8×37RH | Spur Pinion Set(rear axle) | 1 |
| 2 | 75501992 | 螺母M14×1.5 | Nut | 12 |
| 3 | 75500003 | 螺栓M14×1.5×50 | Bolt | 12 |
| 4 | 54500006 | 轴承142807Y | Bearing | 1 |
| 5 | 79605001 | 调整垫片组 | Adjusting Shims | 1 |
| 6 | 54500003 | 轴承 47686/47620A | Bearing | 2 |
| 7 | 75200118 | 调整螺母 | Adjusting Nut | 2 |
| 8 | 79600096 | 铜套 | Copper Copy | 1 |
| 9 | 79600095 | 螺栓 | Bolt | 1 |
| 10 | 79600097 | 锁紧片 | Lock Shim | 1 |
| 11 | 51070004 | 螺母M27×2 | Nut | 1 |
| 12 | 53500007 | HMSA7油封80×100×10 | Oil Seal | 1 |
| 13 | 53500008 | HMS4油封80×100×10 | Oil Seal | 1 |
| 14 | 50011008 | 螺栓M12×1.5×55 | Bolt | 1 |
| 15 | 50011011 | 螺栓M14×1.5×55 | Bolt | 7 |
| 16 | 75500269 | 锁紧螺母 | Lock Nut | 1 |
| 17 | 75500231 | 垫圈 | Washer | 1 |
| 18 | 82310501 | 连接法兰组件 | Flange Assembly | 1 |
| 19 | 75201770 | 盖 | Cover | 1 |
| 20 | 75201767 | 轴承座 | Bearing Cage | 1 |
| 21 | 79605013 | 调整垫片组 | Adjusting Shims | 1 |
| 22 | 79800027 | 主减壳体组件 | Carrier Housing | 1 |
| 23 | 54100015 | 轴承31314 | Bearing | 1 |
| 24 | 75200054 | 锁紧片 | Lock Shim | 2 |
| 25 | 50004003 | 螺栓M10×20 | Bolt | 2 |
| 26 | 79605010 | 调整隔套组 | Bearing Spacers | 1 |
| 27 | 54100014 | 轴承31313 | Bearing | 1 |
| 28 | 52100012 | 挡圈90 | Snap Ring | 1 |
| 29 | 82030502 | 差速器总成 | Diff. Assembly | 1 |
| 30 | 52020005 | 垫圈14 | Washer | 7 |
| 31 | 52020004 | 垫圈12 | Washer | 1 |

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# 第53图 差速器总成

# FIG.53 Diff. Assembly



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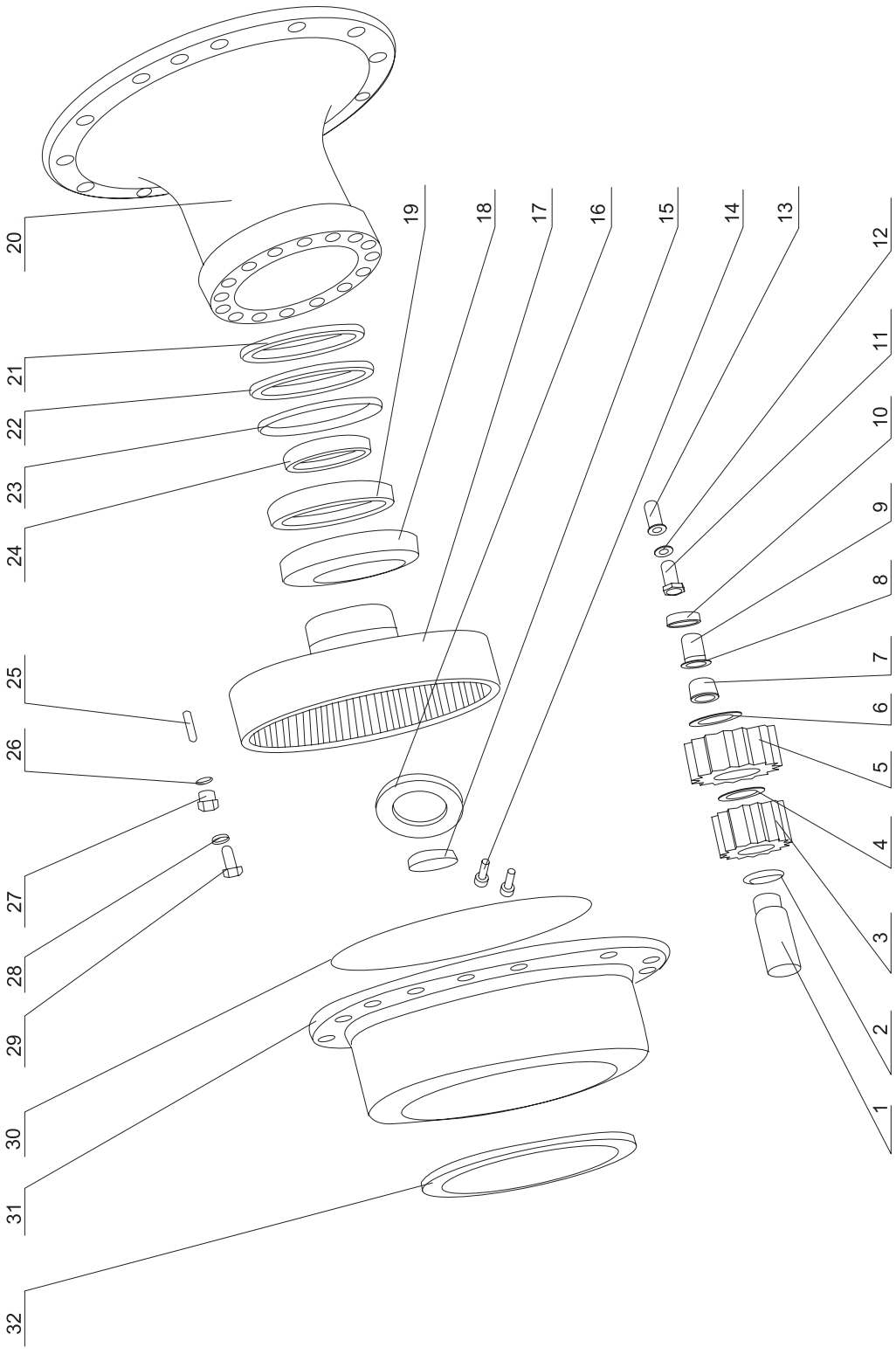
| 序号<br>NO. | 部件号<br>PART NO. | 零件名称<br>PART NAME | | 数量<br>Q'TY |
|---|---|---|---|---|
| 0 | 82030502 | 差速器总成 | Diff. assembly | 1 |
| 1 | 82030506 | 差速器壳 | Diff. Case | 1 |
| 2 | 79605006 | 半轴齿轮垫 | Thrust Washer | 2 |
| 3 | 75201275 | 半轴齿轮 | Side gear | 2 |
| 4 | 82030505 | 十字轴 | Spider | 1 |
| 5 | 82030503 | 差速器壳 | Diff. Case | 1 |
| 6 | 75501993 | 螺母M16×1.5 | Nut | 8 |
| 7 | 82030507 | 行星轮垫 | Thrust Washer | 4 |
| 8 | 75201274 | 行星齿轮 | Side Pinion | 4 |
| 9 | 75501981 | 凸缘螺栓 | Bolt | 8 |

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# 第54图 轮边减速器总成

# FIG.54 PLANETARY ASSEMBLY



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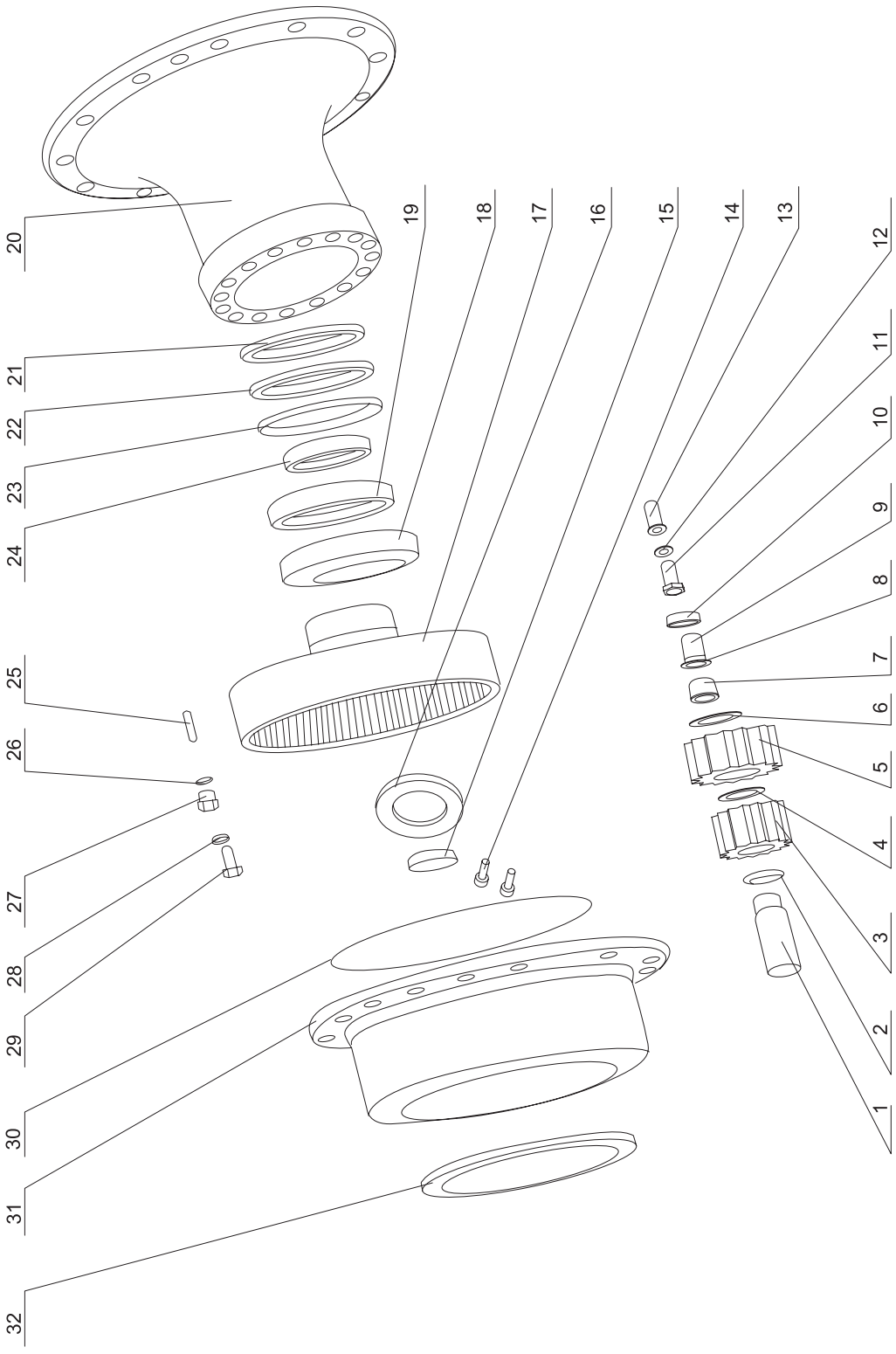
| 序号 NO. | 部件号 PART NO. | 零件名称 PART NAME | | 数量 Q'TY |
|---|---|---|---|---|
| 0 | 93000021 | 轮边减速器总成(前桥) | Planetary assy.(front axle) | 1 |
| | 93000020 | 轮边减速器总成(后桥) | Planetary assy.(rear axle) | 1 |
| 1 | 79001545 | 行星轮轴(前桥) | Planet Pin(front axle) | 4 |
| | 79001545 | 行星轮轴(后桥) | Planet Pin(rear axle) | 3 |
| 2 | 75600334 | 隔套(前桥) | Sleeve(front axle) | 4 |
| | 75600334 | 隔套(后桥) | Sleeve(rear axle) | 3 |
| 3 | 83000802 | 太阳轮 | Sun Gear | 1 |
| 4 | 52100009 | 挡圈50 | Circlip | 1 |
| 5 | 83000801 | 行星轮(前桥) | Planet Gear(front axle) | 4 |
| | 83000801 | 行星轮(后桥) | Planet Gear(rear axle) | 3 |
| 6 | 75600457 | 行星轮垫(前桥) | Planet Gear Shim(front axle) | 8 |
| | 75600457 | 行星轮垫(后桥) | Planet Gear Shim(rear axle) | 6 |
| 7 | 75500197 | 螺塞M24×1.5 | Plug | 1 |
| 8 | 53200005 | 组合密封垫24 | Compound Seal | 1 |
| 9 | 79605020 | 调整支柱组 | Adjustment Pin | 1组 |
| 10 | 73520042 | 限位块 | Limit Block | 1 |
| 11 | 50012010 | 螺栓(前桥)M12×1.25×25 | Bolt(front axle) | 7 |
| | 50012010 | 螺栓(后桥)M12×1.25×25 | Bolt(rear axle) | 5 |
| 12 | 52020004 | 垫圈(前桥)12 | Washer(front axle) | 7 |
| | 52020004 | 垫圈(后桥)12 | Washer(rear axle) | 5 |
| 13 | 50140003 | 螺钉M10×30 | Screw | 3 |
| 14 | 83810304 | 紧固螺栓 | Fixing Bolt | 2 |
| 15 | 77000021 | 隔套 | Sleeve | 1 |
| 16 | 83899301 | 槽螺母 | Nut | 1 |
| | 83640301 | 槽螺母(前桥) | Nut(front axle) | 1 |
| 17 | 93125012 | 齿圈支承组件 | Ring Hub Assembly | 1 |
| | 83640302 | 齿圈支承组件(前桥) | Ring Hub Assembly(front axle) | 1 |
| 18 | 54100007 | 轴承32026 | Bearing | 1 |
| 19 | 54100006 | 轴承32024 | Bearing | 1 |
| 20 | D3639301 | 轮毂 | Hub | 1 |
| 21 | 53510005 | MFC油封FB150×180×16 | Oil Seal | 1 |
| 23 | 83496302 | 挡油板 | Oil Guard Plate | 1 |
| 24 | 83496301 | 挡圈 | Circlip | 1 |
| 25 | 75600330 | 滚针(前桥) | Needle Roller(front axle) | 216 |
| | 75600330 | 滚针(后桥) | Needle Roller(rear axle) | 162 |
| 26 | 75500842 | 螺塞M12×1.25×9 | Plug | 1 |

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# 第54图 轮边减速器总成

# FIG.54 PLANETARY ASSEMBLY



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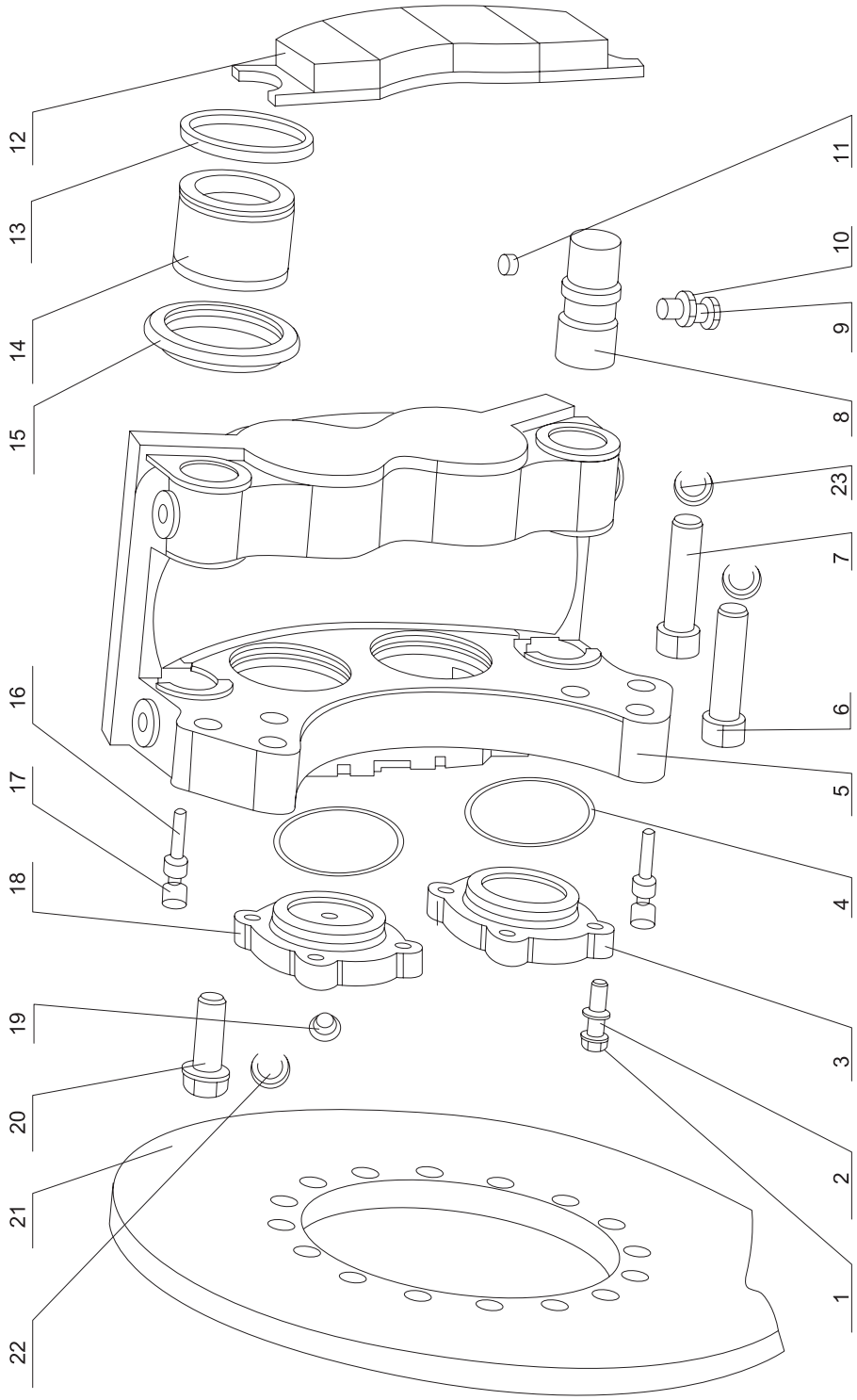
| 序号<br>NO. | 部件号<br>PART NO. | 零件名称<br>PART NAME | | 数量<br>Q'TY |
|---|---|---|---|---|
| 27 | 53200002 | 组合密封垫12 | Compound Seal Washer | 1 |
| 28 | 52020003 | 垫圈10 | Washer | 1 |
| 29 | 50012005 | 螺栓M10×1.25×25 | Bolt | 1 |
| 30 | 83000810 | 密封圈 | Gasket Ring | 1 |
| 31 | 83310601 | 行星轮架(前桥) | Spider(front axle) | 1 |
| | 93115015 | 行星轮架(后桥) | Spider(rear axle) | 1 |
| 32 | 93200061 | 端盖(前桥) | Cover(front axle) | 1 |
| | 93200063 | 端盖(后桥) | Cover(rear axle) | 1 |

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# 第55图 制动器总成

# FIG.55 BRAKE ASSEMBLY



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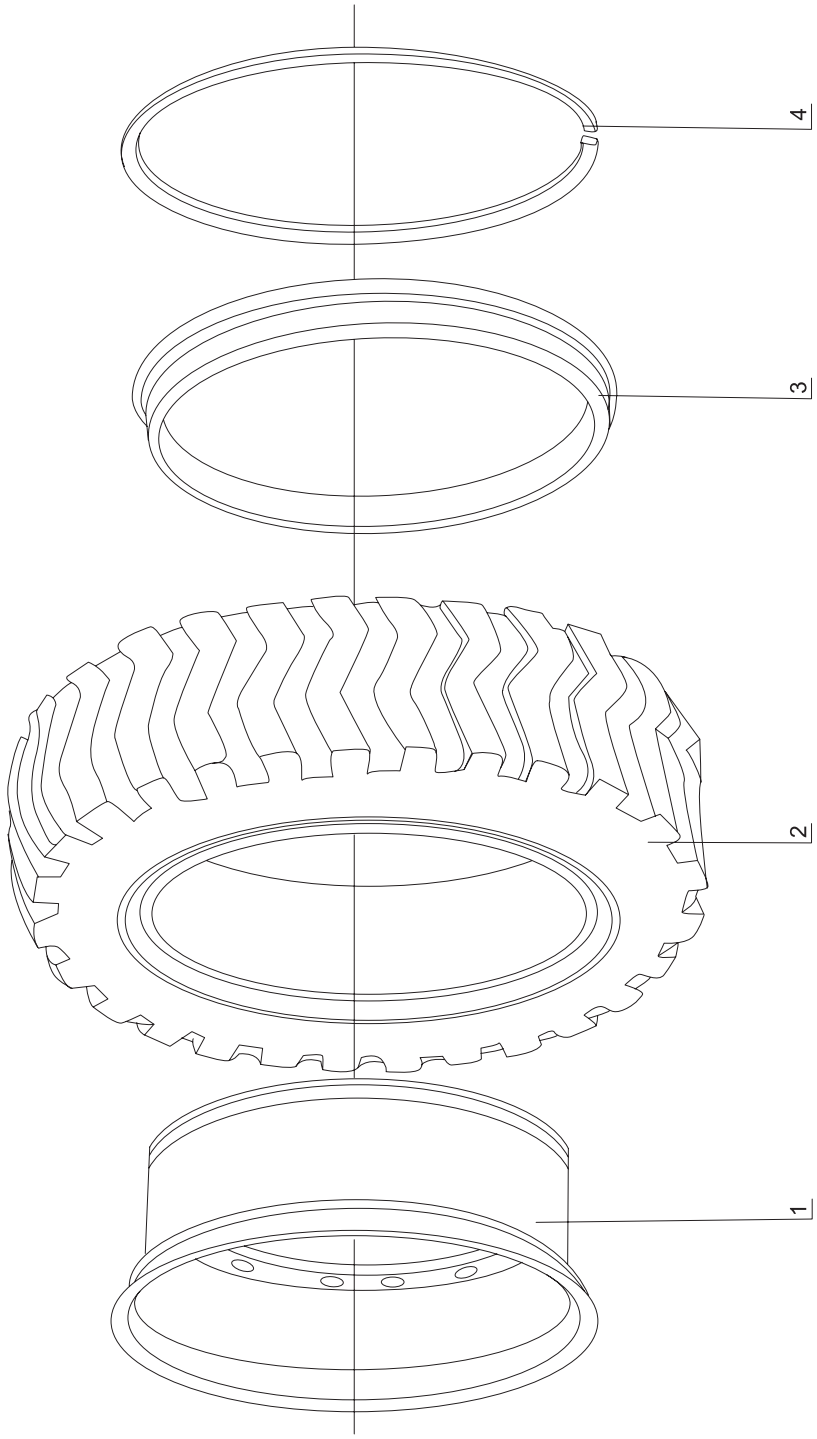
| 序号 NO. | 部件号 PART NO. | 零件名称 PART NAME | | 数量 Q'TY |
|---|---|---|---|---|
| 0 | 84741300 | 制动钳总成(前桥) | Brake assy.(front axle) | 1 |
| | 72006036 | 制动钳总成(后桥) | Brake assy.(rear axle) | 1 |
| 1 | 50009015 | 螺栓M10×35 | Bolt | 16 |
| 2 | 52020003 | 垫圈10 | Washer | 16 |
| 3 | 75700443 | 封油分泵盖 | Cover | 2 |
| 4 | 53000010 | O形密封圈75×3.1 | ″O″ ring | 4 |
| 5 | 84741302 | 夹钳体(前桥) | Caliper assy.(front axle) | 2 |
| | 75700436 | 夹钳体(后桥) | Caliper assy.(rear axle) | 2 |
| 6 | 75502139 | 螺栓M20×60 | Bolt | 4 |
| 7 | 50009039 | 螺栓M20×60 | Bolt | 8 |
| 8 | 75700437 | 销轴 | Pin | 8 |
| 9 | 50009014 | 螺栓M10×30 | Bolt | 8 |
| 10 | 51014003 | 螺母M10 | Nut | 8 |
| 11 | 79900278 | 圆柱销 | Column Pin | 8 |
| 12 | 75700434 | 摩擦垫块总成 | Friction Pad Assembly | 4 |
| 13 | 75700439 | 矩形密封圈 | Rectangle Seal | 8 |
| 14 | 75700440 | 活塞 | Piston | 8 |
| 15 | 75700438 | 防尘圈 | Dust Boot | 8 |
| 16 | 75700442 | 放气嘴 | Bleeder Valve | 4 |
| 17 | 55400001 | 放气嘴保护罩 | Cap | 4 |
| 18 | 75700458 | 进油分泵盖 | Cover | 2 |
| 19 | 75700459 | 孔塞 | Hole Plug | 2 |
| 20 | 75502011 | 螺栓M18×2×40 | Bolt | 16 |
| 21 | 72006561 | 制动盘 | Brake Disc | 1 |
| 22 | 52020007 | 垫圈18 | Washer | 16 |
| 23 | 52020008 | 垫圈20 | Washer | 12 |

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# 第56 轮胎轮辋总成

# FIG.56 TYRE &RIM ASSEMBLY



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| 序号<br>NO. | 部件号<br>PART NO. | 零件名称<br>PART NAME | | 数量<br>Q'TY |
|---|---|---|---|---|
| 1 | ZL50G2-04008 | 轮辋19.5/2.5-25 | Rim | 4 |
| 2 | ZL50G2-04010 | 轮胎总成23.5-25-16PR | Tyre assembly | 4 |
| 3 | ZL50G2-04-WLY | 外轮缘 | Band | 4 |
| 4 | ZL50G2-04-SH | 锁环 | Lock ring | 4 |

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# 制 动 系 统

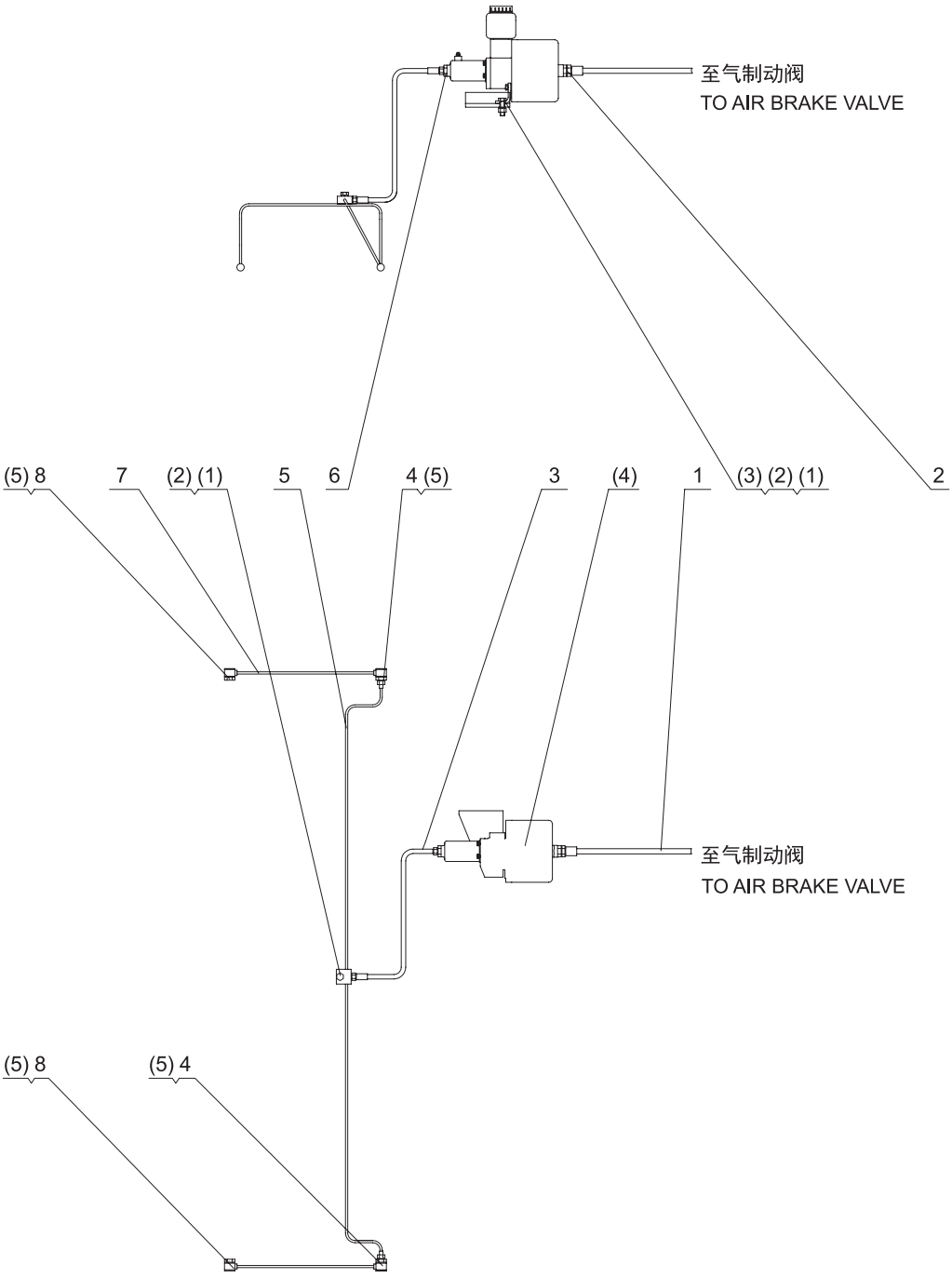
# BRAKE SYSTEM

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# 第57图 前桥制动管路

# FIG.57 FRONT AXLE BRAKE PIPING



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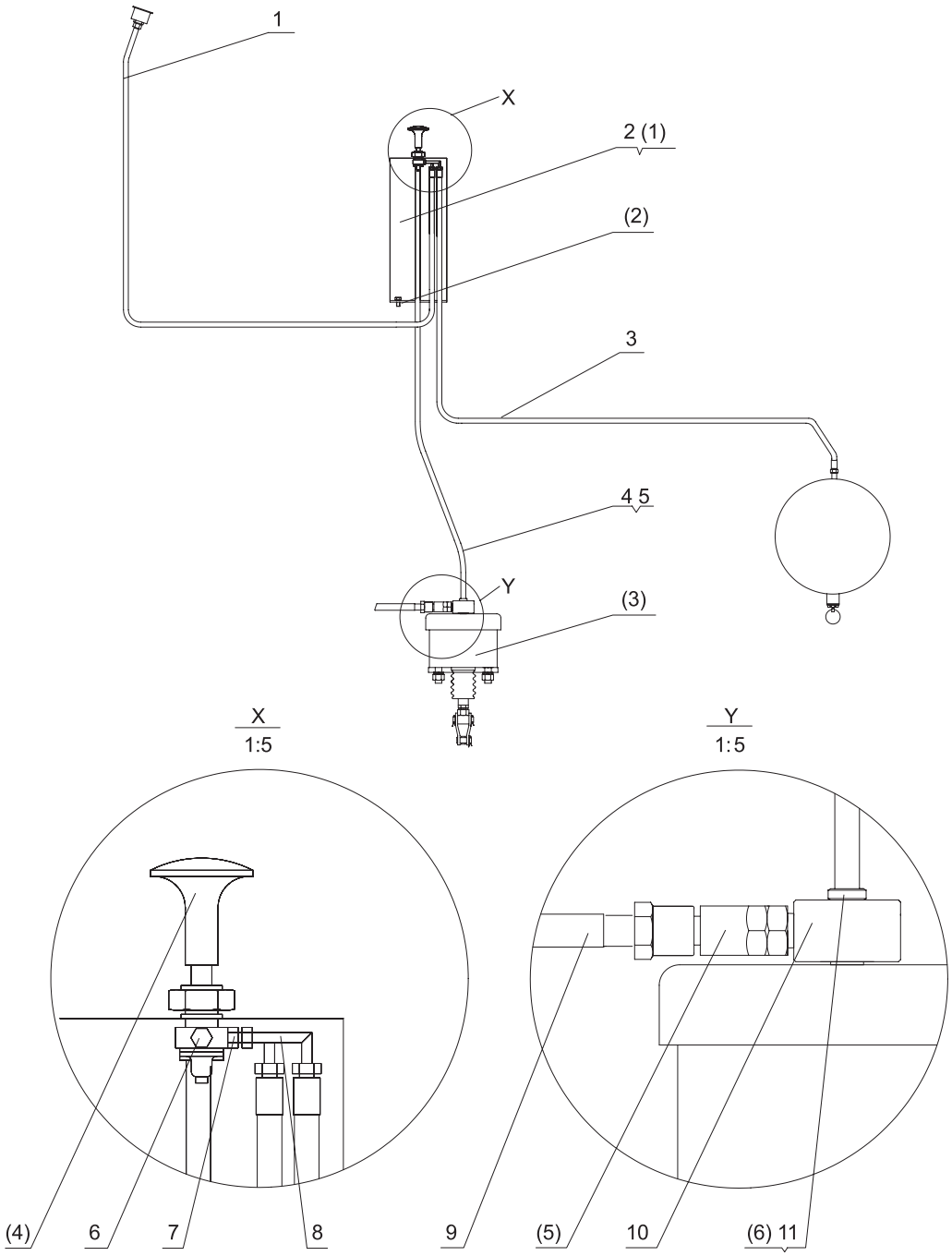
| 序号 NO. | 部件号 PART NO. | 零件名称 PART NAME | | 数量 Q'TY |
|---|---|---|---|---|
| 1 | DG956W-07019 | 前刹车泵至脚制动阀软管 | Tube | 1 |
| 2 | ZL50G2-07003 | 接头体 | Joint | 1 |
| 3 | ZL50G2-07031A | 前刹车泵至前桥制动软管 | Tube | 1 |
| 4 | ZL50G2-07013 | 铰接螺栓 | Link bolt | 2 |
| 5 | ZL50G2-07017C | 刹车管 | Brake tube | 1 |
| 6 | ZL50G2-07004 | 接头体 | Joint | 1 |
| 7 | ZL50G2-07014C | 刹车管 | Brake tube | 2 |
| 8 | ZL50G2-07015 | 铰接螺栓 | Link bolt | 2 |
| (1) | GB 5781 M12×30 | 螺栓 M12×30 | Bolt | 3 |
| (2) | GB 93 12 | 弹垫12 | Spring washer | 3 |
| (3) | GB 6170 M12 | 螺母 M12 | Nut | 2 |
| (4) | XZ60A-3510010 | 空气加力泵 | Air boosting pump | 1 |
| | XM60-3510010 | 空气加力泵 | Air boosting pump | 1 |
| (5) | JB982 12 | 组合垫圈12 | Combined washer | 8 |

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# 第58图 手制动管路

# FIG.58 HAND BRAKE PIPING



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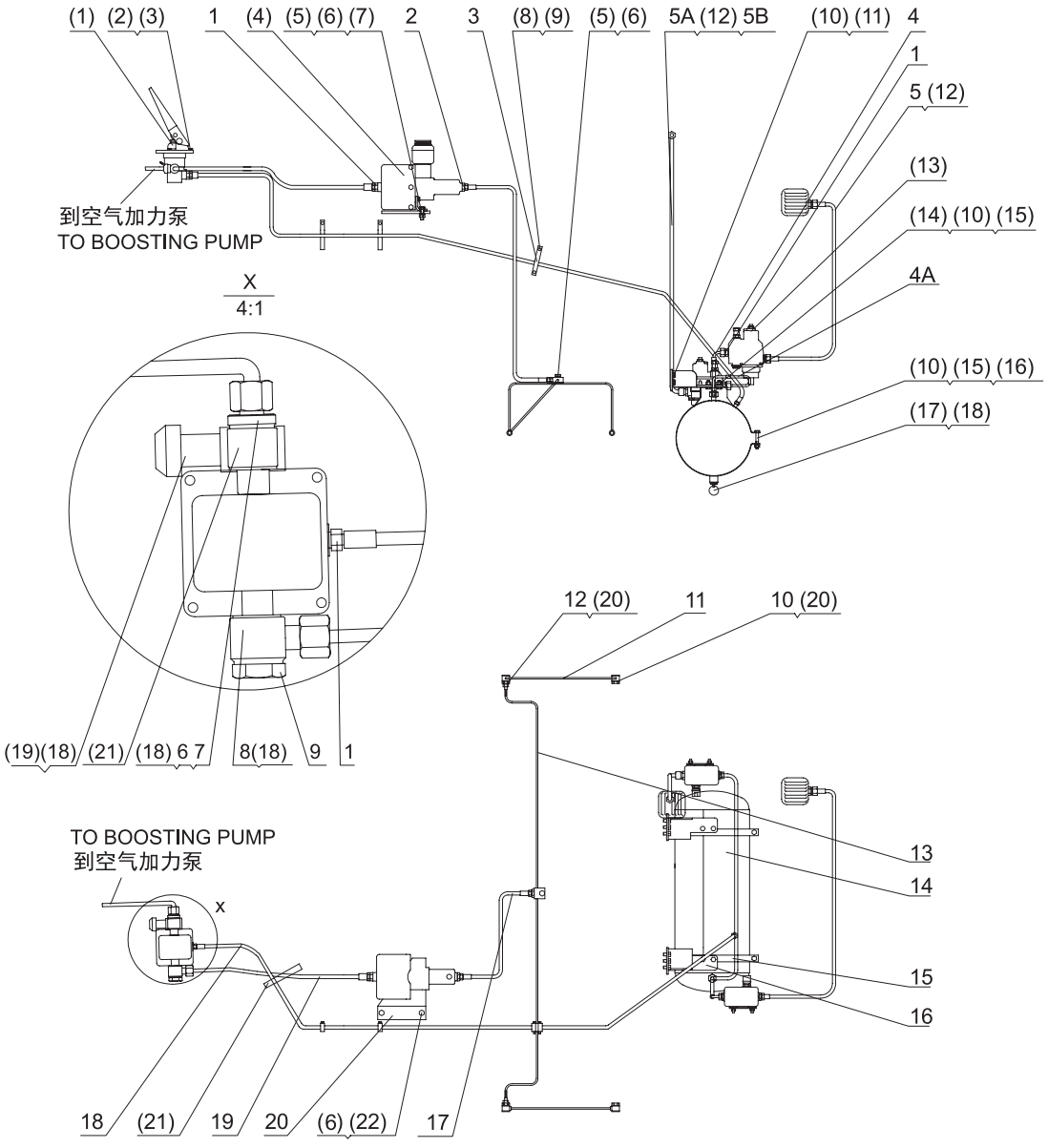
| 序号 NO. | 部件号 PART NO. | 零件名称 PART NAME | | 数量 Q'TY |
|---|---|---|---|---|
| 1 | DG956WI-07001 | 气压表管 | Barometer tube | 1 |
| 2 | DG956W-07039C | 支架(SL50W-3用) | Bracket(for SL50W-3) | 1 |
| | DG956W-07039D | 支架(SL50W用) | Bracket(for SL50W) | 1 |
| 3 | DG956W-07031A | 储气筒至手制动阀气管 | Tube | 1 |
| 4 | DG956WⅡ-07011A | 手制动阀至制动气室气管 | Tube | 1 |
| 5 | ZL50G2-07019 | 接头体 | Joint | 1 |
| 6 | ZL50G2-07024 | 手控阀螺塞 | Plug valve | 1 |
| 7 | ZL50G2-07025 | 接头体 | Joint | 1 |
| 8 | ZL50G2-07018 | 三通接头 | Tee joint | 1 |
| 9 | ZL50G3-07046 | 打气装置总成 | Air inflating assy. | 1 |
| 10 | ZL50G3-07014 | 接头体 | Joint | 1 |
| 11 | ZL50G3-07015 | 接头体 | Joint | 1 |
| (1) | GB93 8 | 弹垫8 | Spring washer | 4 |
| (2) | GB 5781 M8×20 | 螺栓M8×20 | Bolt | 4 |
| (3) | DZ50A-3507100 | 驻车制动气室 | Parking brake air cavity | 1 |
| (4) | QZ50A-3526001 | 手控制动阀 | Manual control brake valve | 1 |
| (5) | SH-40-TSK-L-1/2 | 气动快速接头 | Quick-change joint | 1 |
| (6) | JB982 12 | 组合垫圈12 | Combined washer | 2 |

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# 第59图 后桥制动管路

# FIG.59 REAR AXLE BRAKE PIPING



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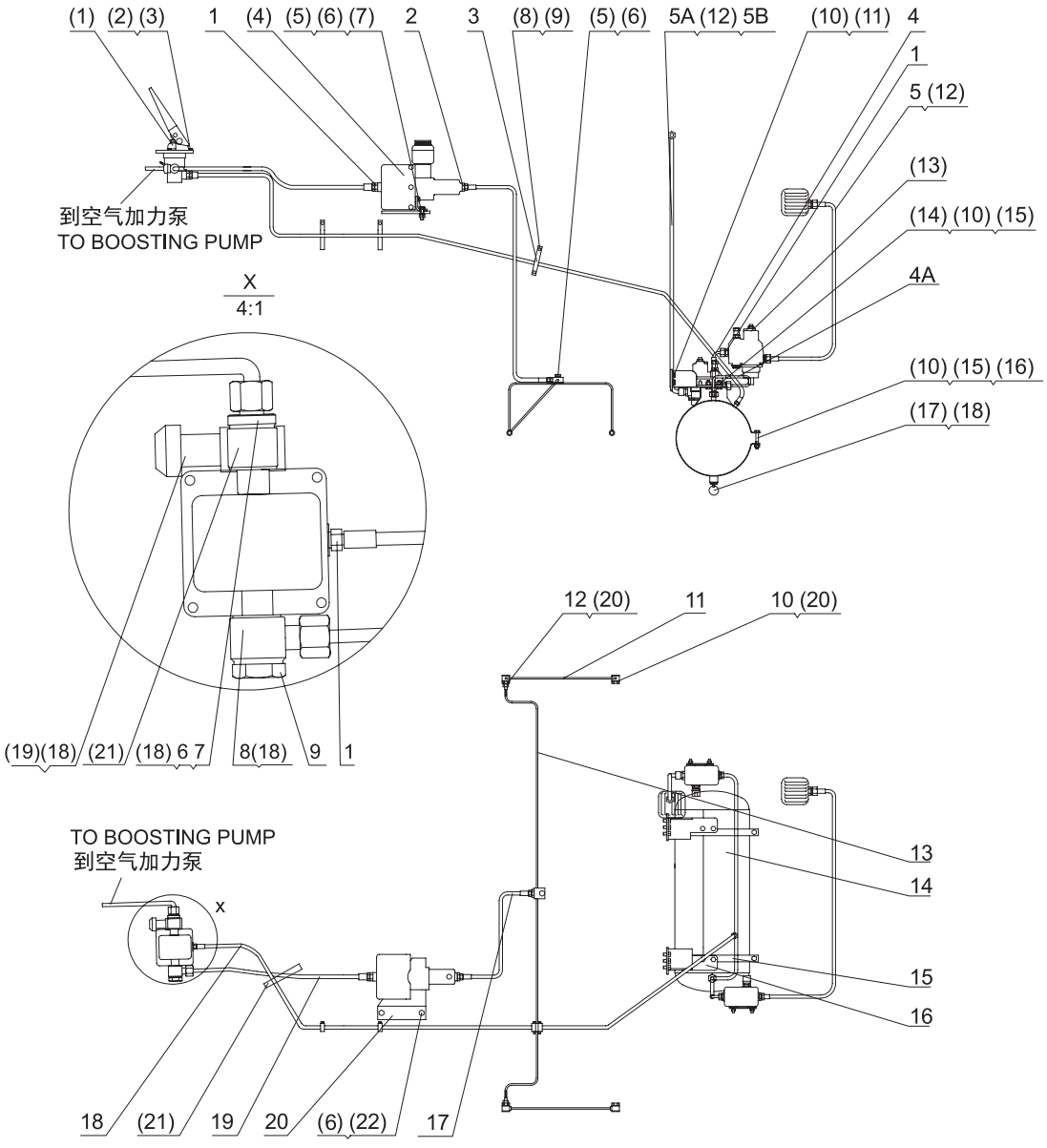
| 序号 NO. | 部件号 PART NO. | 零件名称 PART NAME | | 数量 Q'TY |
|---|---|---|---|---|
| 1 | ZL50G2-07003 | 接头体 | Joint | 4 |
| 2 | ZL50G2-07004 | 接头体 | Joint | 1 |
| 3 | ZL50G2-07005 | 管卡 | Pipe clip | 3 |
| 4 | ZL50G2-07006B | 储气筒至组合阀进气管(配潍柴) | Inlet pipe(for WEICHAI) | 1 |
| 4A | DG956WII-07006 | 储气筒至组合阀进气管 | Inlet pipe | 1 |
| 5 | ZL50G3-07008A | 空压机出气管(配潍柴) | Compressor outlet pipe(for WEICHAI) | 1 |
| 5A | DG956WII-07005 | 空压机出气管(配上柴) | Compressor outlet pipe(for SHANGCHAI) | 1 |
| 5B | DG956WV-07005A | 空压机出气管(配康明斯) | Compressor outlet pipe(for CUMMINS) | 1 |
| 6 | ZL50G2-07044 | 接头体 | Joint | 1 |
| 7 | ZL50G2-07043 | 接头体 | Joint | 1 |
| 8 | DG938-07008 | 铰接接头 | Link joint | 1 |
| 9 | DG938-07032 | 铰接螺栓 | Link bolt | 1 |
| 10 | ZL50G2-07015 | 铰接螺栓 | Link bolt | 2 |
| 11 | ZL50G2-07014C | 刹车管 | Brake tube | 2 |
| 12 | ZL50G2-07013 | 铰接螺栓 | Link bolt | 2 |
| 13 | ZL50G2-07017C | 刹车管 | Brake tube | 1 |
| 14 | ZL50G2-07009A | 储气筒 | Air cylinder | 1 |
| 15 | ZL50G2-07022A | 储气筒箍 | Air cylinder hoop | 2 |
| 16 | ZL50G2-07021A | 储气筒支架 | Air cylinder bracket | 2 |
| 17 | ZL50G2-07027 | 后刹车泵至后桥制动软管 | Tube | 1 |
| 18 | ZL50G2-07032 | 储气筒至脚制动阀气管 | ube | 1 |
| 19 | ZL50G2-07037 | 后加力泵至脚制动阀气管 | Tube | 1 |
| 20 | ZL50G2-07011 | 后加力泵支架 | Boosting pump bracket | 1 |
| 21 | ZL50G2-07016A | 三通接头 | Joint | 1 |

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# 第59图 后桥制动管路

# FIG.59 REAR AXLE BRAKE PIPING



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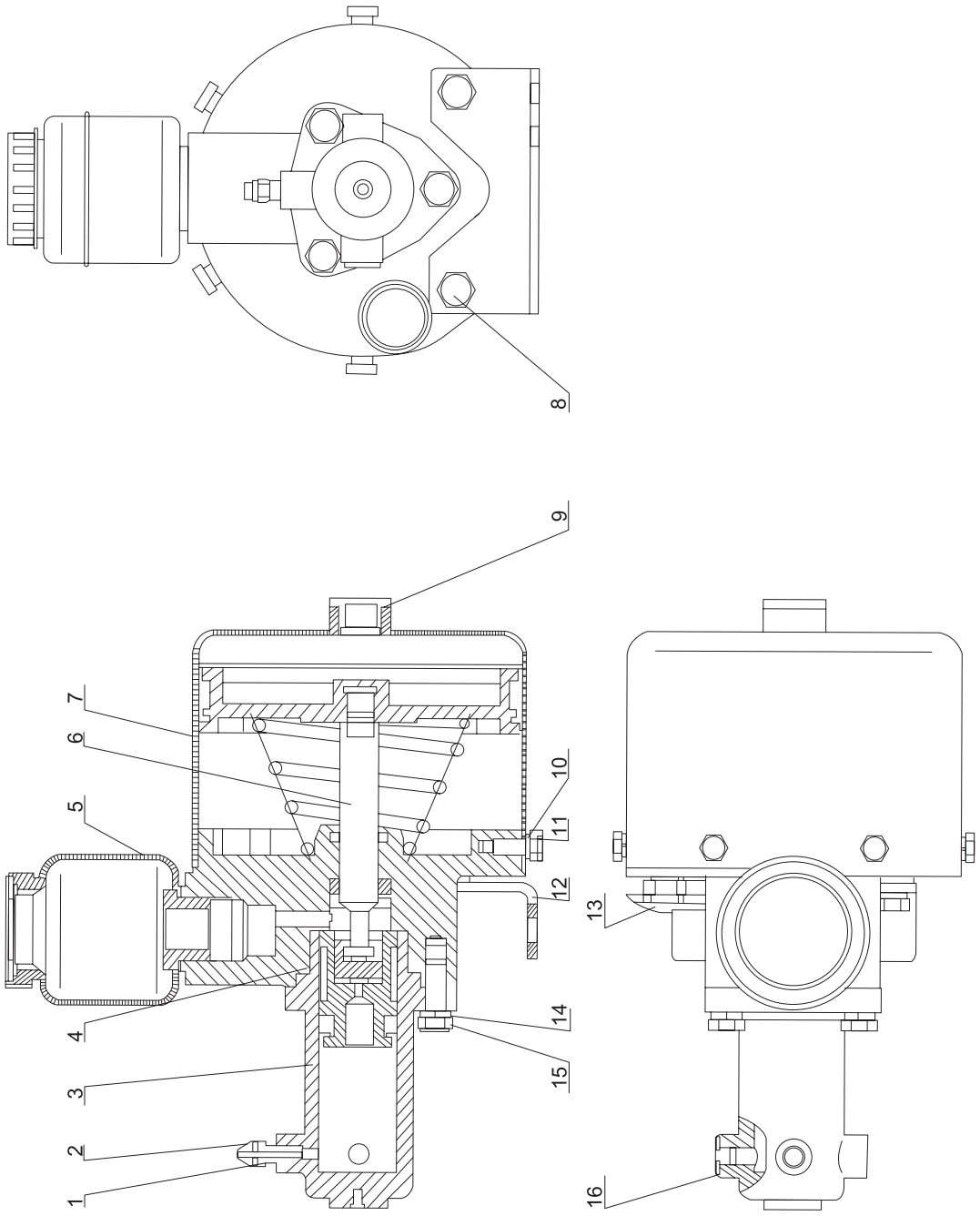
| 序号 NO. | 部件号 PART NO. | 零件名称 PART NAME | | 数量 Q'TY |
|---|---|---|---|---|
| (1) | XM60C-3514002 | 气制动阀(带踏板) | Air brake valve | 1 |
| (2) | GB93 8 | 弹垫8 | Spring washer | 4 |
| (3) | GB5781 M8×30 | 螺栓M8×30 | Bolt | 4 |
| (4) | XZ60A-3510010 | 空气加力泵 | Air boosting pump | 1 |
| | XM60-3510010 | 空气加力泵 | Air boosting pump | 1 |
| (5) | GB 5781 M12×30 | 螺栓M12×30 | Bolt | 3 |
| (6) | GB 93 12 | 弹垫 12 | Spring washer | 5 |
| (7) | GB 6170 M12 | 螺母 M12 | Nut | 2 |
| (8) | GB93 6 | 弹垫 6 | Spring washer | 6 |
| (9) | GB5781 M6×40 | 螺栓M6×40 | Bolt | 6 |
| (10) | GB93 10 | 弹垫10 | Spring washer | 12 |
| (11) | GB5781 M10×25 | 螺栓M10×25 | Bolt | 6 |
| (12) | JB982 14 | 组合垫圈14 | Combined washer | 2 |
| (13) | SH380A-3511002 | 油水分离器组合阀 | Group valve | 1 |
| (14) | GB5781 M10×30 | 螺栓M10V30 | Bolt | 4 |
| (15) | GB6170 M10 | 螺母M10 | Nut | 6 |
| (16) | GB5781 M10×70 | 螺栓M10×70 | Bolt | 2 |
| (17) | 35360070010 | 自动放水阀 | Auto water drain valve | 1 |
| (18) | JB982 22 | 组合垫圈22 | Combined washer | 4 |
| (19) | JN150-372001 | 制动灯开关 | Brake lamp switch | 1 |
| (20) | JB982 12 | 组合垫圈12 | Combined washer | 8 |
| (21) | D2900-20000 | 可松开式扎带200×8 | Clip | 2 |
| (22) | GB5781 M12×25 | 螺栓M12×25 | Bolt | 2 |

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# 第60图 XZ60空气加力泵

# FIG.60 AIR BOOSTING PUMP



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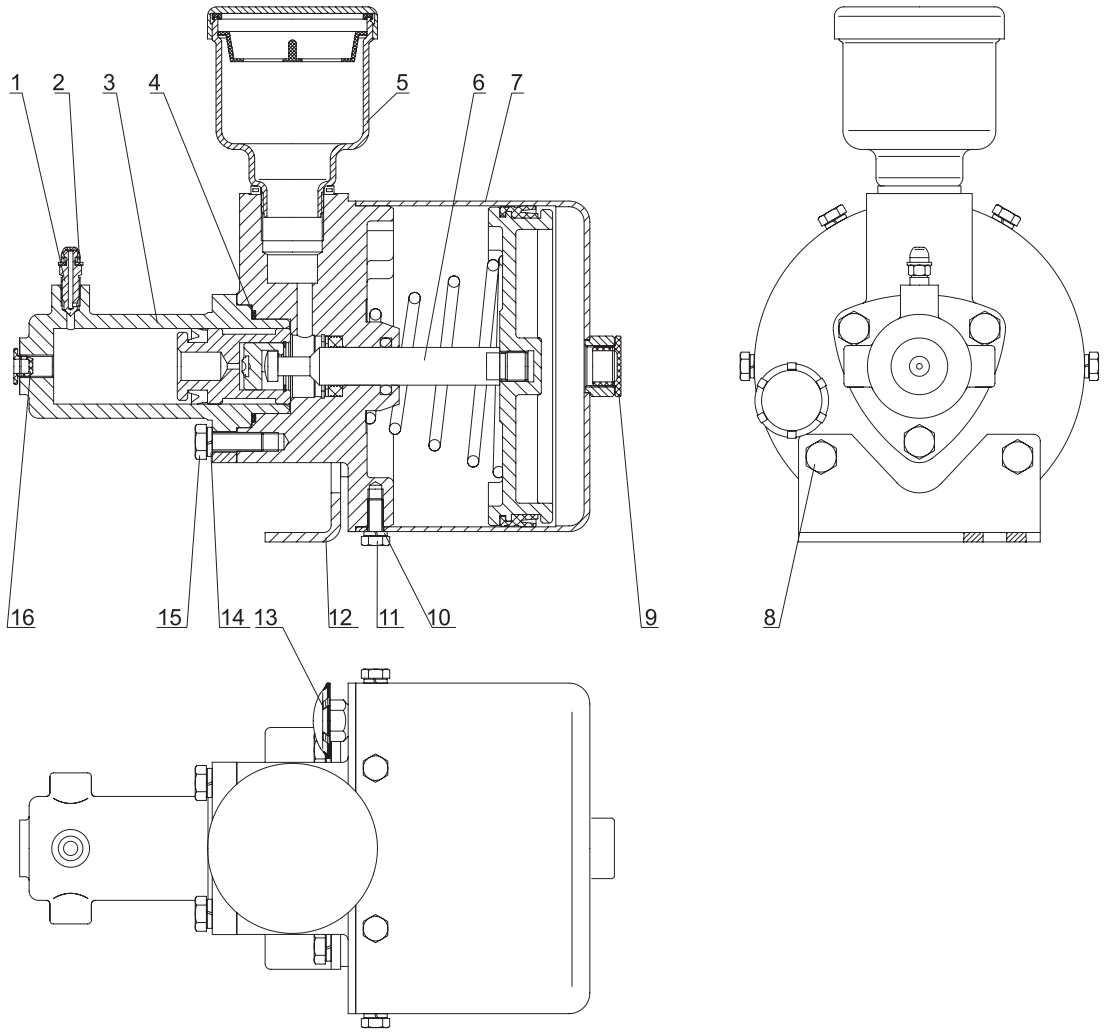
| 序号<br>NO. | 部件号<br>PART NO. | 零件名称<br>PART NAME | | 数量<br>Q'TY |
|---|---|---|---|---|
| 0 | XZ60-3510010 | 空气加力泵 | Air boosting pump | 1 |
| 1 | RZPNJ131-1606011 | 放气螺钉 | Bleed screw | 1 |
| 2 | RLYH33628-07 | 防尘帽 | Dust cap | 1 |
| 3 | RLXZ60-3510011 | 辅助缸体 | Auxiliary cylinder | 1 |
| 4 | RLXZ60-3510012 | O形圈 | O-ring | 1 |
| 5 | RLZL20-3510080 | 油杯总成 | Oil cup assy. | 1 |
| 6 | RLXZ60-3510020 | 动力缸总成 | Power cylinder assy. | 1 |
| 7 | RLXZ60-3510070 | 动力缸后壳体总成 | Shell assembly | 1 |
| 8 | GB5783 M10×25 | 六角螺栓M10×25 | Bolt | 2 |
| 9 | RLZL20-3510018 | 塞盖 | Lids | 1 |
| 10 | GB93 8 | 弹垫8 | Spring washer | 6 |
| 11 | GB5783 M8×20 | 六角螺栓M8×20 | Bolt | 6 |
| 12 | RLZL20-3510013 | 支架 | Bracket | 1 |
| 13 | RLXZ60-3510090 | 排气接头总成 | Exhaust joint assy. | 1 |
| 14 | GB93 10 | 弹垫10 | Spring washer | 5 |
| 15 | GB5783 M10×30 | 六角螺栓M10×30 | Bolt | 3 |
| 16 | RZP6CA1602121F | 防尘塞 | Dust plug | 1 |

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# 第61图 XM60空气加力泵

# FIG.61 AIR BOOSTING PUMP



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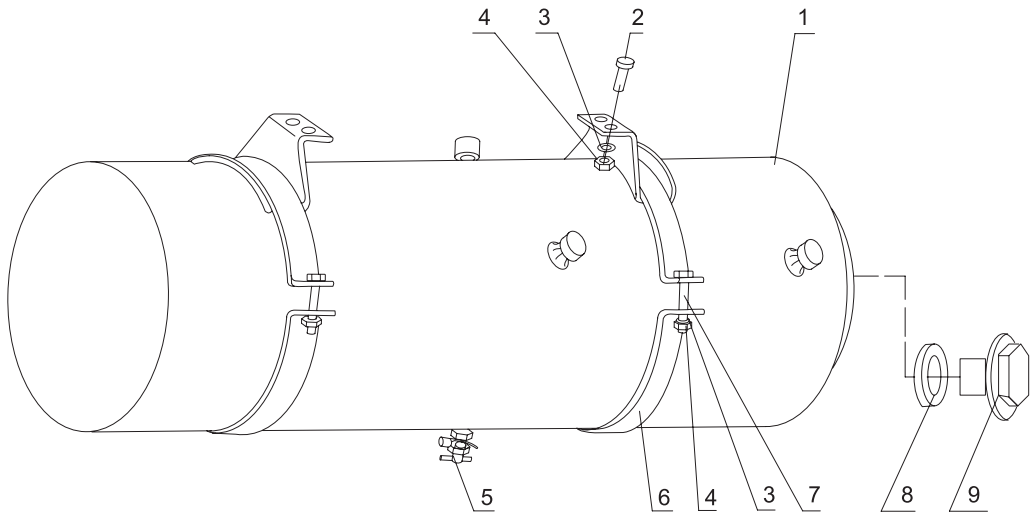
| 序号 NO. | 部件号 PART NO. | 零件名称 PART NAME | | 数量 Q'TY |
|---|---|---|---|---|
| 0 | XM60-3510010 | 空气加力泵 | Air boosting pump | 1 |
| 1 | XFTY103 | 放气螺钉 | Bleed screw | 1 |
| 2 | XFTY202 | 防尘帽 | Dust cap | 1 |
| 3 | XM60-3510011 | 辅助缸体 | Auxiliary cylinder | 1 |
| 4 | XZ60-3510012 | O形圈 | O-ring | 1 |
| 5 | XM60-3510080 | 油杯总成 | Oil cup assy. | 1 |
| 6 | XZ60-3510020 | 动力缸总成 | Power cylinder assy. | 1 |
| 7 | XZ60-3510070 | 动力缸后壳体总成 | Shell assembly | 1 |
| 8 | GB5783 M10×25 | 六角螺栓 M10×25 | Bolt | 2 |
| 9 | ZL20-3510018 | 进气接头塞盖 | Lids | 1 |
| 10 | GB93 8 | 弹垫8 | Spring washer | 6 |
| 11 | GB5783 M8×20 | 六角螺栓 M8×20 | Bolt | 6 |
| 12 | ZL20-3510013 | 支架 | Bracket | 1 |
| 13 | XZ60-3510090 | 排气接头总成 | Exhaust joint assy. | 1 |
| 14 | GB93 10 | 弹垫10 | Spring washer | 5 |
| 15 | GB5783 M10×30 | 六角螺栓 M10×30 | Bolt | 3 |
| 16 | XFTY216 | 防尘塞 | Dust plug | 1 |

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# 第62图 储气筒总成

# FIG.62 AIR CYLINDER ASSEMBLY



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| 序号<br>NO. | 部件号<br>PART NO. | 零件名称<br>PART NAME | | 数量<br>Q'TY |
|---|---|---|---|---|
| 1 | ZL50G2-07009A | 储气筒总成 | Air cylinder assembly | 1 |
| 2 | GB5781 M10×30 | 螺栓M10×30 | Bolt | 4 |
| 3 | GB93 10 | 弹垫10 | Spring washer | 6 |
| 4 | GB6170 M10 | 螺母M10 | Nut | 6 |
| 5 | 35360070010 | 自动放水阀 | Automatic drain water valve | 1 |
| 6 | ZL50G2-07022A | 储气筒箍 | Air cylinder hoop | 2 |
| 7 | GB5781 M10×70 | 螺栓M10×70 | Bolt | 2 |
| 8 | JB982 22 | 组合垫圈22 | Combined washer | 2 |
| 9 | JB1000 M22×1.5 | 螺塞M22×1.5 | Plug screw | 1 |

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# 行 车 液 压 系 统

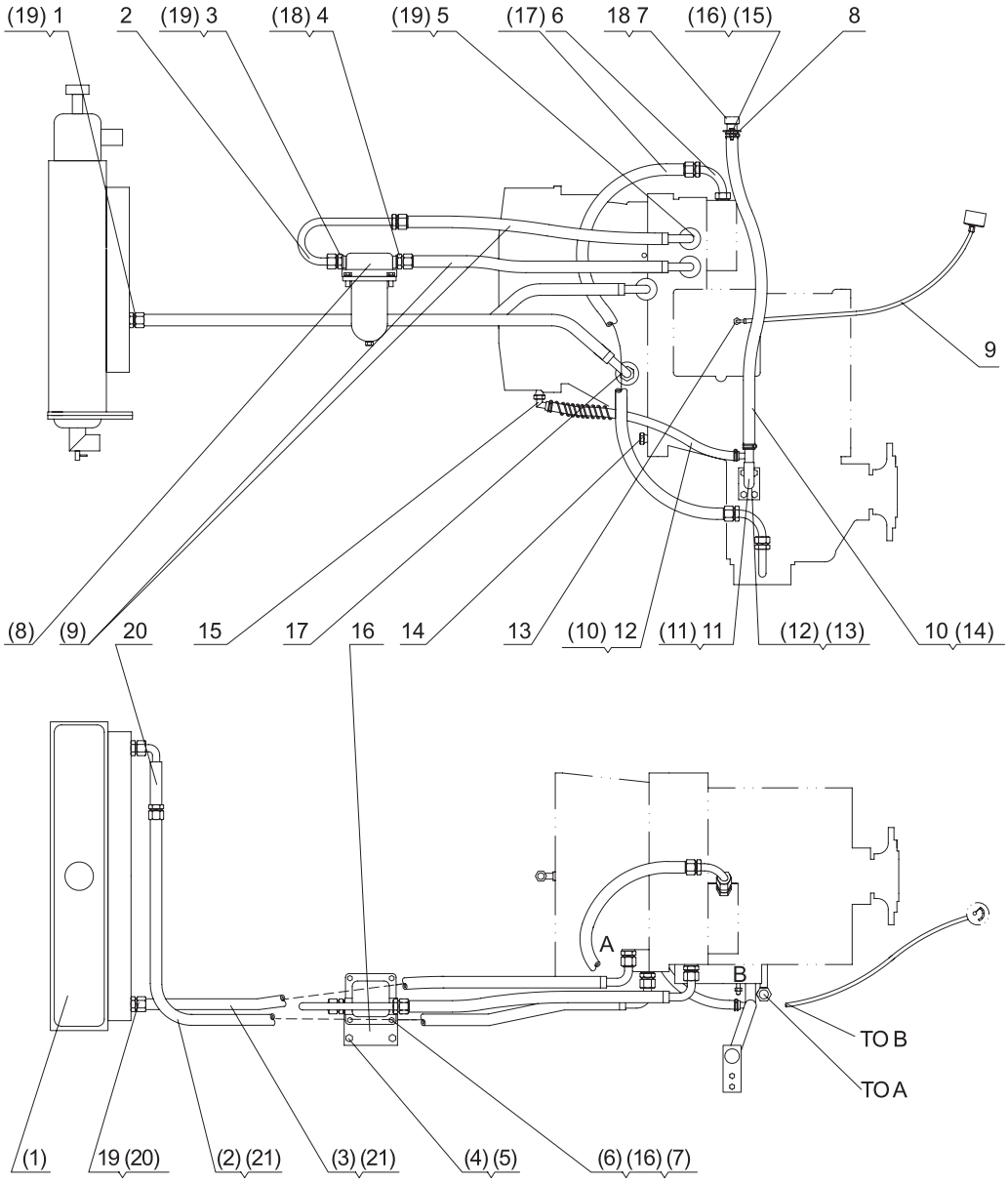
# TRANSMISSION HYDRAULIC SYSTEM

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# 第63图 行车液压系统

# FIG.63 TRANSMISSION HYDRAULIC SYSTEM




**⚠注 意**

装配DG50B水箱时,请使用件(2),(3)和(19)。

When match DG50B water tank, please use part(2)、(3)and(19).

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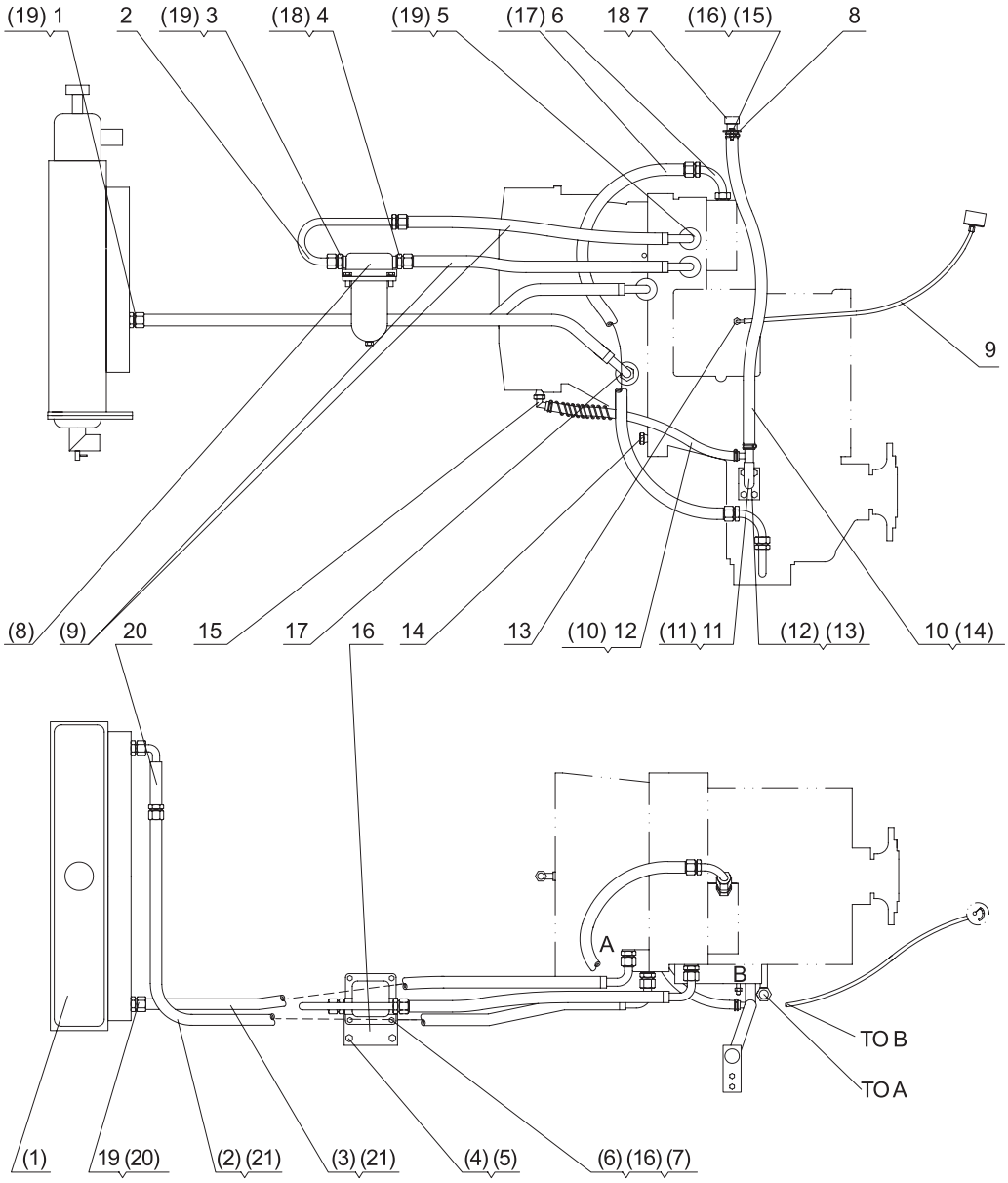
| 序号 NO. | 部件号 PART NO. | 零件名称 PART NAME | | 数量 Q'TY |
|---|---|---|---|---|
| 1 | ZL50G2-05008 | 散热器接头(配DG50B) | Radiator joint(for DG50B) | 2 |
| | DG956A-12002 | 散热器进油接头 | Oil-in joint | 1 |
| 2 | ZL50G3-12004A | 滤油器钢管 | Steel pipe | 1 |
| 3 | ZL50G3-12005 | 滤油器接头 | Joint | 1 |
| 4 | ZL50G3-12006 | 接头体 | Joint | 1 |
| 5 | ZL50G2-05008 | 变速箱接头 | Joint | 3 |
| 6 | ZL50G3-12008 | 接头总成 | Joint | 1 |
| 7 | ZL50G2-12021 | 大螺母 | Big nut | 1 |
| 8 | ZL50G3-12010A | 加油钢管 | Steel pipe | 1 |
| 9 | DG956WI-12011 | 操纵阀测压管 | Piezometer tube | 1 |
| 10 | ZL50G3-12012A | 低压耐油胶管Φ32×800 | Tube | 1 |
| 11 | ZL50G3-12013B | 变速箱加油钢管 | Steel pipe | 1 |
| 12 | ZL50G3-12014 | 低压耐油胶管Φ13×950 | Tube | 1 |
| 13 | ZL50G3-12015 | 压力表接头 | Joint | 1 |
| 14 | ZL50G3-12016A | 锥丝堵 | Coning plug | 1 |
| 15 | ZL50G3-12017 | 发动机飞轮壳接头 | Joint | 1 |
| 16 | ZL50G3-12018 | 变油器滤油器支板 | Shoe palte | 1 |
| 17 | ZL50G3-12019 | 长接头体 | Long joint | 1 |
| 18 | ZL50G2-12024 | 垫 | Gasket | 1 |
| 19 | DG956WII-05008 | 散热器出油接头 | Oil-out joint | 1 |
| 20 | ZL50G2-12018 | 散热器进油钢管 | Oil-in tube(for ZL60GT-1C) | 1 |

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# 第63图 行车液压系统

# FIG.63 TRANSMISSION HYDRAULIC SYSTEM




**⚠注 意**

装配DG50B水箱时,请使用件(2),(3)和(19)。

When match DG50B water tank, please use part(2)、(3)and(19).

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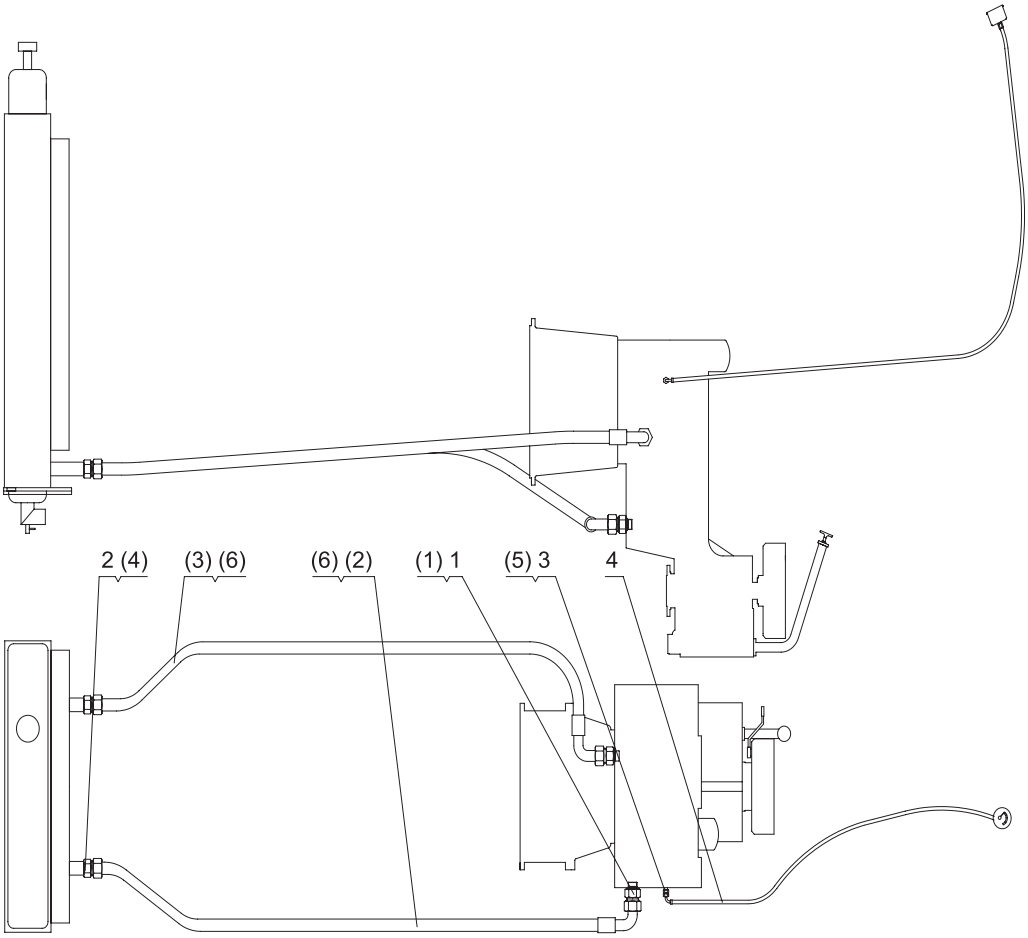
| 序号 NO. | 部件号 PART NO. | 零件名称 PART NAME | | 数量 Q'TY |
|---|---|---|---|---|
| (1) | DG50B | 机油散热器 | Oil radiator | 1 |
| | ZL60GT-1C | 机油散热器 | Oil radiator | 1 |
| | ZL60GT-AC | 机油散热器(配康明斯) | Oil radiator(for CUMMINS) | 1 |
| (2) | JH100 19I-2450 | 软管总成19I-2450 | Hose assy. | 1 |
| (3) | JH100 19I-2100 | 软管总成19I-2100 | Hose assy. | 1 |
| (4) | GB5783 M12×30 | 螺栓 M12×30 | Bolt | 2 |
| (5) | GB93 12 | 弹垫12 | Spring washer | 2 |
| (6) | GB5783 M8×35 | 螺栓 M8×35 | Bolt | 4 |
| (7) | GB6170 M8 | 螺母M8 | Nut | 4 |
| (8) | YL-163-00 | 滤油器 | Oil filter | 1 |
| (9) | JH100 19I-830 | 软管总成 19I-830 | Hose assy. | 2 |
| (10) | JB3618.1 20～24 | 双钢丝卡箍 20～24 | Clamp | 2 |
| (11) | GB3452.1 32.5×3.55 | O形圈32.5×3.55 | O-ring | 1 |
| (12) | GB93 10 | 弹垫10 | Spring washer | 4 |
| (13) | GB5783 M10×25 | 螺栓 M10×25 | Bolt | 4 |
| (14) | GB3618.1 43～48 | 双钢丝卡箍43～48 | Clamp | 2 |
| (15) | GB5783 M8×25 | 螺栓 M8×25 | Bolt | 2 |
| (16) | GB93 8 | 弹垫8 | Spring washer | 6 |
| (17) | JH100 25I-1508 | 软管总成25I-1508 | Hose assy. | 1 |
| (18) | JB982 22 | 组合垫圈22 | Combined washer | 1 |
| (19) | JB982 30 | 组合垫圈30 | Combined washer | 5 |
| (20) | JB982 27 | 组合垫圈27 | Combined washer | 2 |
| (21) | JH100 19I-2030 | 软管总成19I-2030 | Hose assy. | 2 |

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# 第64图 SL50W-3 行车液压系统

# FIG.64 TRANSMISSION HYDRAULIC SYSTEM



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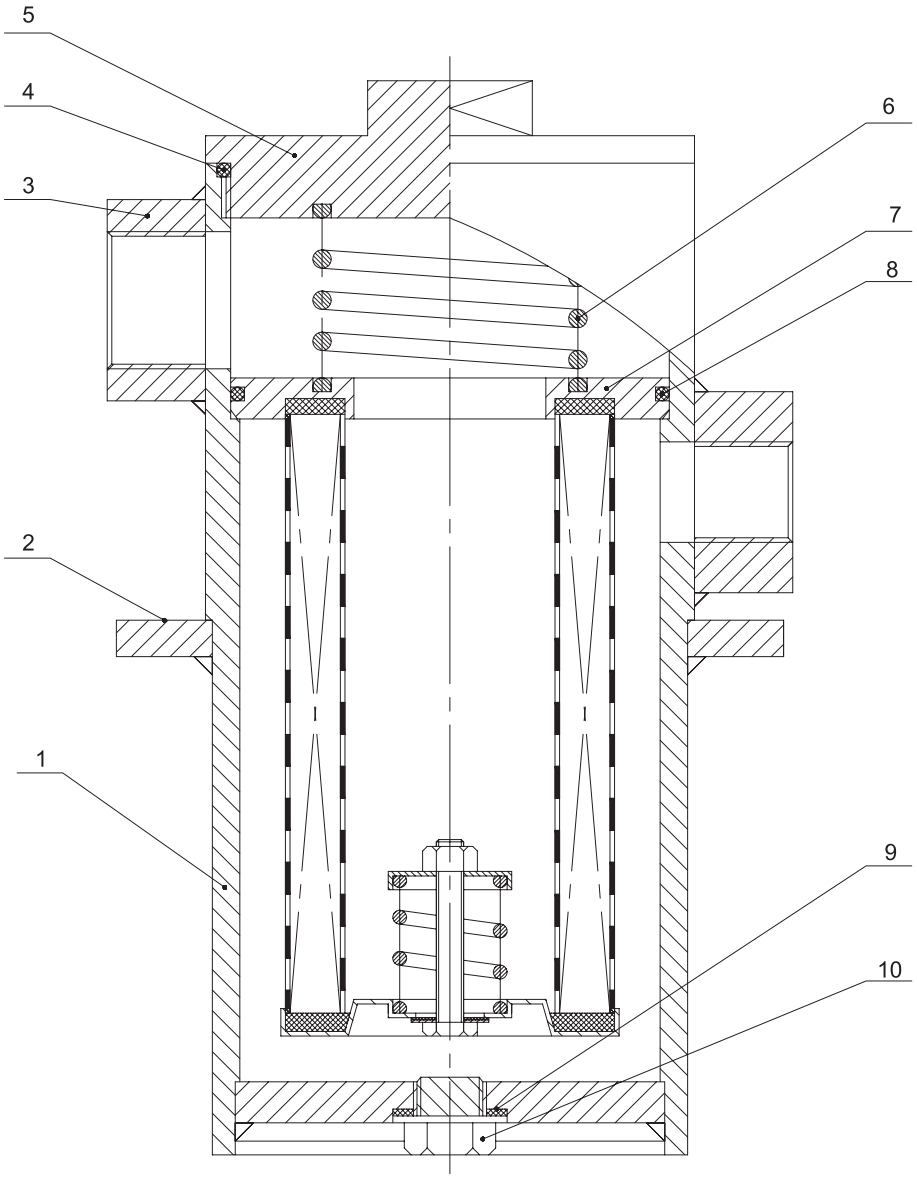
| 序号 NO. | 部件号 PART NO. | 零件名称 PART NAME | | 数量 Q'TY |
|---|---|---|---|---|
| 1 | DG956W II -12001 | 接头体 | Joint | 2 |
| 2 | DG956W II -12002 | 散热器接头 | Joint | 2 |
| 3 | DG956W II -12003A | 压力表接头 | Joint | 1 |
| 4 | DG956WI-12011 | 操纵阀测压管 | Piezometer tube | 1 |
| (1) | JB982 30 | 组合垫圈30 | Combined washer | 2 |
| (2) | JH100 22-2050 | 胶管总成22-2050 | Hose assembly | 1 |
| (3) | JH100 22-2500 | 胶管总成22-2500 | Hose assembly | 1 |
| (4) | JB982 27 | 组合垫圈27 | Combined washer | 2 |
| (5) | JB982 10 | 组合垫圈10 | Combined washer | 1 |
| (6) | JH100 22-2000 | 软管总成(配康明斯) 22-2000 | Hose assy.(for CUMMINS) | 2 |

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# 第65图 滤清器总成(新乡美林)

# FIG.65 FILTER ASSEMBLY(XIN XIANG MEILIN)



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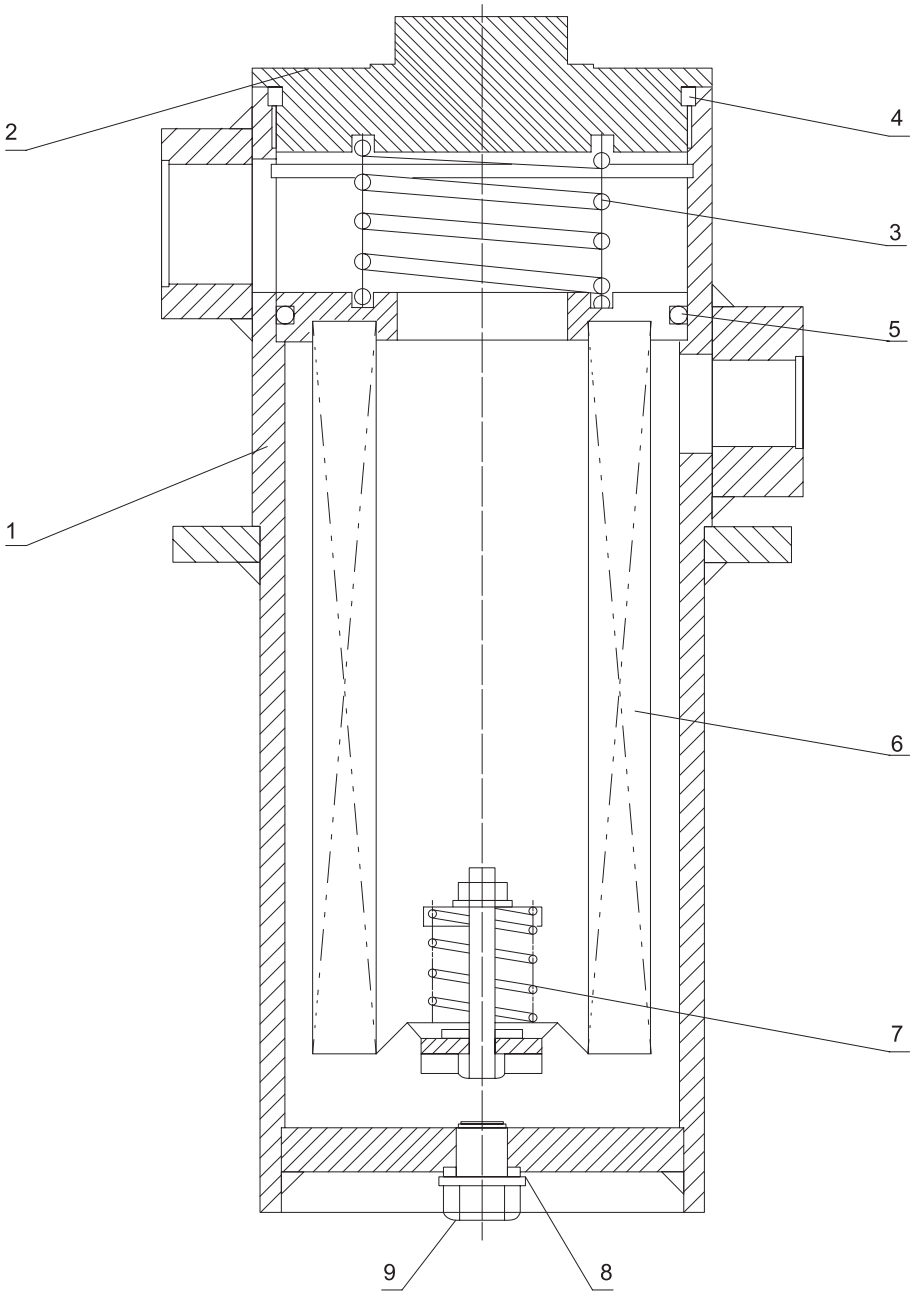
| 序号<br>NO. | 部件号<br>PART NO. | 零件名称<br>PART NAME | | 数量<br>Q'TY |
|---|---|---|---|---|
| 0 | YL-163-00 | 滤清器总成 | Filter assembly | 1 |
| 1 | YL-163-4 | 壳体 | Shell | 1 |
| 2 | YL-163-5 | 法兰 | Flange | 1 |
| 3 | YL-163-3 | 大、小管嘴 | Big and small nozzle | 各1 |
| 4 | YL-163-2 | O形圈95×3.5 | O-ring | 1 |
| 5 | YL-163-1 | 外上盖 | Upper cover | 1 |
| 6 | YL-163-6 | 弹簧 | Spring washer | 1 |
| 7 | YL-163-100 | 滤芯组件 | Filter core module | 1 |
| 8 | YL-163-8 | O形圈95×3.1 | O-ring | 1 |
| 9 | YL-163-21 | 组合垫16 | Combined washer | 1 |
| 10 | YL-163-22 | 螺栓M16×1.5 | Bolt | 1 |

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# 第66图 滤清器总成(徐州新星)

# FIG.66 FILTER ASSEMBLY(XUZHOU XINXING)



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| 序号 NO. | 部件号 PART NO. | 零件名称 PART NAME | | 数量 Q'TY |
|---|---|---|---|---|
| 0 | YL-163-00 | 滤清器总成 | Filter assembly | 1 |
| 1 | YL-163-01 | 外壳 | Shell | 1 |
| 2 | YL-163-02 | 上盖 | Upper cover | 1 |
| 3 | YL-163-03 | 压簧 | Spring | 1 |
| 4 | GB3452.1 92.5×3.55 | O形圈92.5×3.55 | O-ring | 1 |
| 5 | GB3452.1 92.5×3.55 | O形圈87.5×3.55 | O-ring | 1 |
| 6 | YL-163-04 | 滤芯总成 | Filter core assy. | 1 |
| 7 | YL-163-05 | 旁通阀 | By-pass valve | 1 |
| 8 | JB982 12 | 组合垫12 | Combined washer | 1 |
| 9 | GB71 M12×1.25×10 | 螺钉M12×1.25×10 | Screw | 1 |

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# 转 向 系 统

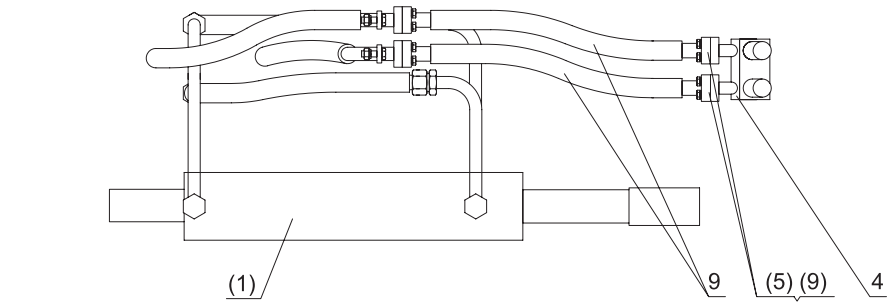
# STEERING SYSTEM

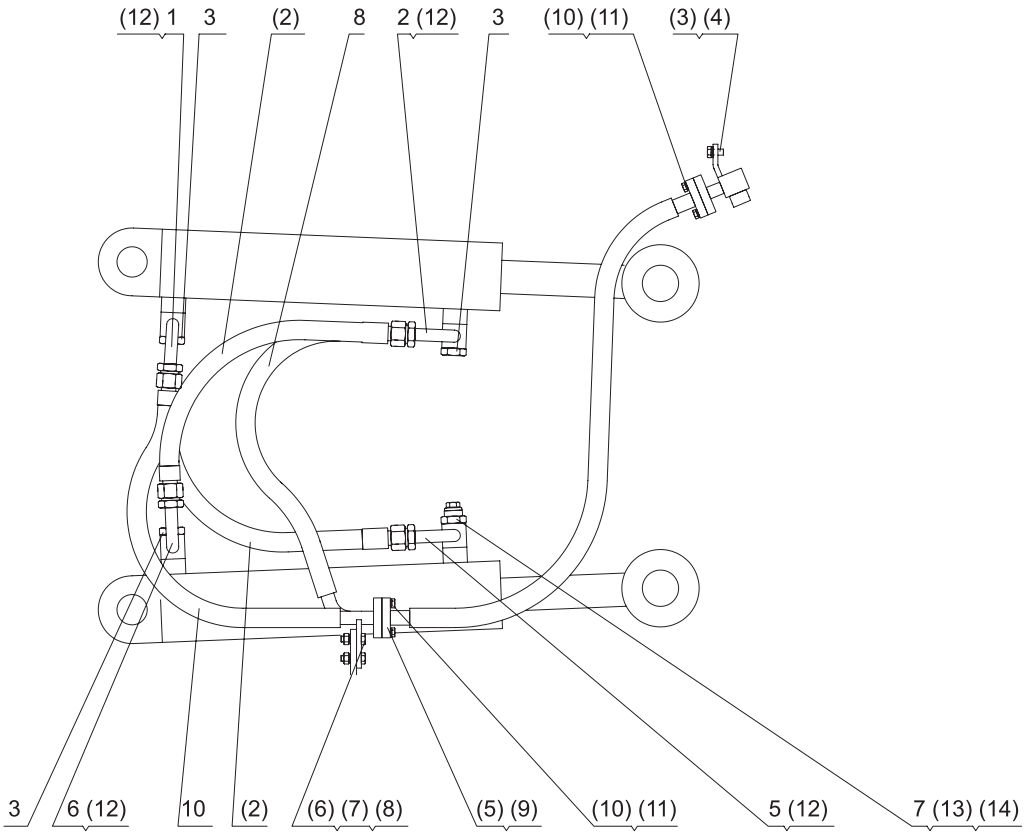
https://truckmanualshub.com/



# 第67图 转向缸管路

# FIG.67 STEERING CYLINDER PIPING



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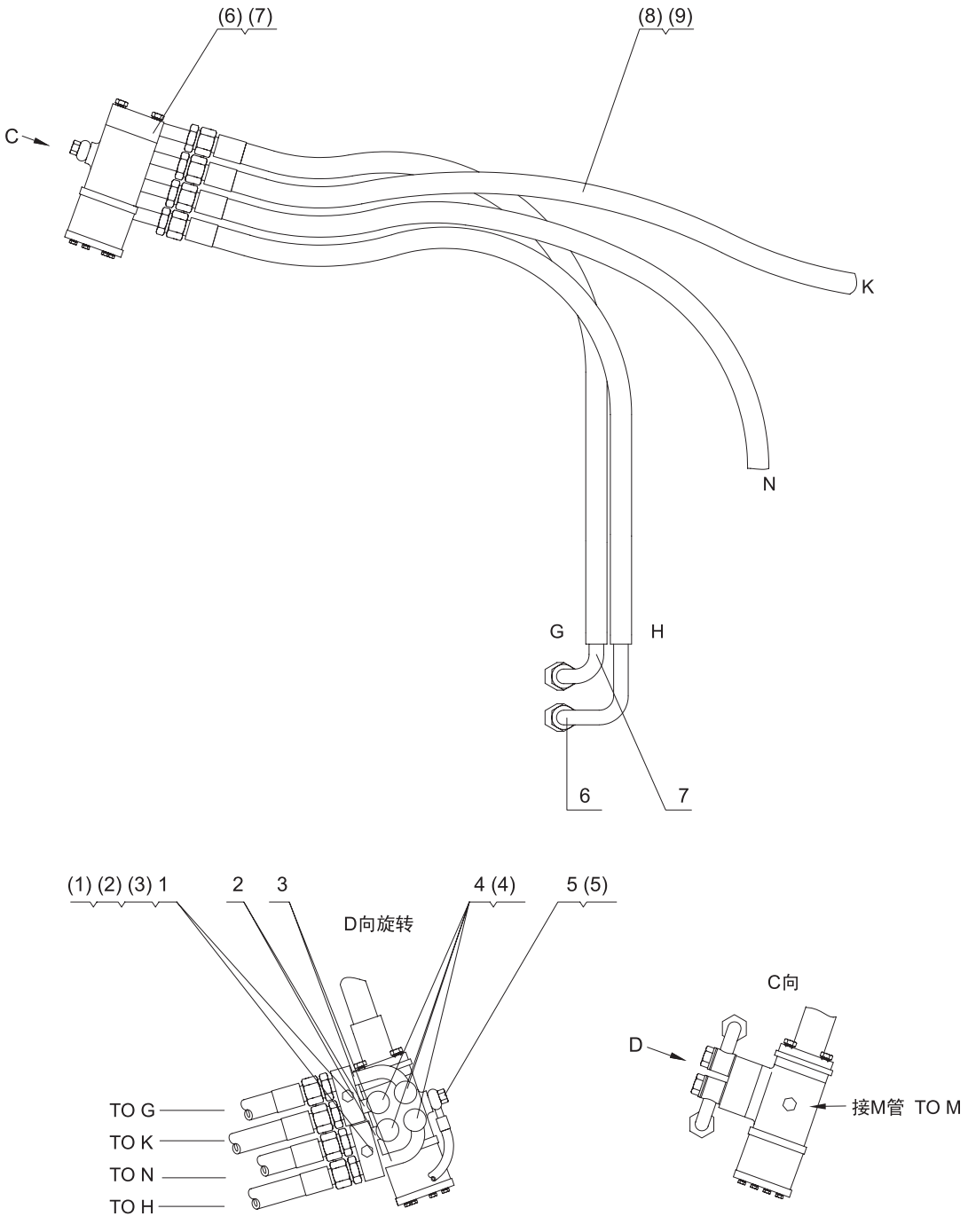
| 序号 NO. | 部件号 PART NO. | 零件名称 PART NAME | | 数量 Q'TY |
|---|---|---|---|---|
| 1 | ZL50G2-05001 | 右转向缸前接头 | Right steering cylinder ront joint | 1 |
| 2 | ZL50G2-05002 | 右转向缸后接做 | Right steering cylinder rear joint | 1 |
| 3 | ZL50G2-05003 | 空心螺栓 | Hollow bolt | 3 |
| 4 | ZL50G2-05004 | 后车架接头 | Rear frame joint | 1 |
| 5 | ZL50G2-05010 | 左转向缸后接头 | Left steering cylinder rear joint | 1 |
| 6 | ZL50G2-05011 | 左转向缸前接头 | Left steering cylinder front joint | 1 |
| 7 | ZL50G2-05012 | 空心螺栓 | Hollow bolt | 1 |
| 8 | ZL50G2-05019A | 软管总成19-970 | Hose assembly | 1 |
| 9 | ZL50G2-05020 | 软管总成19-1130 | Hose assembly | 2 |
| 10 | ZL50G2-05027A | 软管总成19-710 | Hose assembly | 1 |
| | | | | |
| (1) | DG958-05200 | 转向缸 | Steering cylinder | 1 |
| (2) | JH100 19-660 | 软管总成19-660 | Hose assembly | 2 |
| (3) | GB93 12 | 弹垫12 | Spring washer | 2 |
| (4) | GB5783 M12x25 | 螺栓M12x25 | Bolt | 2 |
| (5) | M1H-12 | 拼合法兰M8 | Split flange | 4 |
| (6) | GB5783 M10×30 | 螺栓M10×30 | Bolt | 4 |
| (7) | GB6170 M10 | 螺母M10 | Nut | 4 |
| (8) | GB93 10 | 弹垫10 | Spring washer | 4 |
| (9) | GB3452.1 25×3.55 | O形圈25×3.55 | O-ring | 4 |
| (10) | GB5783 M8×30 | 螺栓M8×30 | Bolt | 16 |
| (11) | GB93 8 | 弹垫8 | Spring washer | 16 |
| (12) | GB3452.1 23.6×3.55 | O型圈23.6×3.55 | O-ring | 8 |
| (13) | JB982 14 | 组合垫圈14 | Combined washer | 1 |
| (14) | JB1000 M14×1.5 | 螺塞M14×1.5 | Plug | 1 |

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# 第68图 转向器管路

# FIG.68 STEERING DEVICE PIPING



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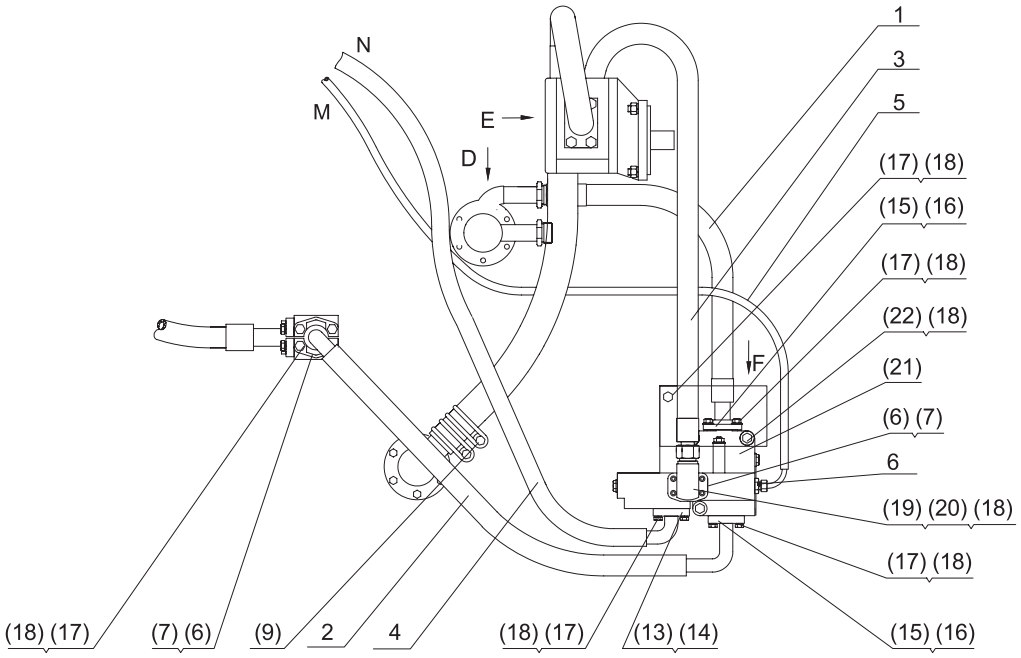
| 序号 NO. | 部件号 PART NO. | 零件名称 PART NAME | | 数量 Q'TY |
|---|---|---|---|---|
| 1 | ZL50G2-05029 | 管卡 | Tube clip | 4 |
| 2 | ZL50G2-05013 | 转向器进回油接头 | Oil in/out joint,steering device | 2 |
| 3 | ZL50G2-05014 | 至转向缸接头 | To steering cylinder joint | 2 |
| 4 | ZL50G2-05015 | 空心螺栓 | Hollow bolt | 4 |
| 5 | ZL50G2-05016 | 空心螺栓 | Hollow bolt | 1 |
| 6 | ZL50G2-05021 | 软管总成19-1515 | Hose assembly | 1 |
| 7 | ZL50G2-05022 | 软管总成19-1495 | Hose assembly | 1 |
| | | | | |
| (1) | GB93 10 | 弹垫10 | Spring washer | 2 |
| (2) | GB6170 M10 | 螺母M10 | Nut | 2 |
| (3) | GB5783 M10×40 | 螺栓M10×40 | Bolt | 2 |
| (4) | JB982 20 | 组合垫圈20 | Combined washer | 8 |
| (5) | JB982 12 | 组合垫圈12 | Combined washer | 2 |
| (6) | BZZ-1000 | 转向器总成 | Steering device assy. | 1 |
| (7) | FK-/21 | 组合阀块 | Combined valve block | 2 |
| (8) | JH100 19Ⅰ-1250 | 软管总成19Ⅰ-1250 | Hose assy. | 1 |
| (9) | JH100 19Ⅰ-3330 | 软管总成(Sl50W-3用)19Ⅰ-3330 | Hose assy.(for SL50W-3) | 1 |

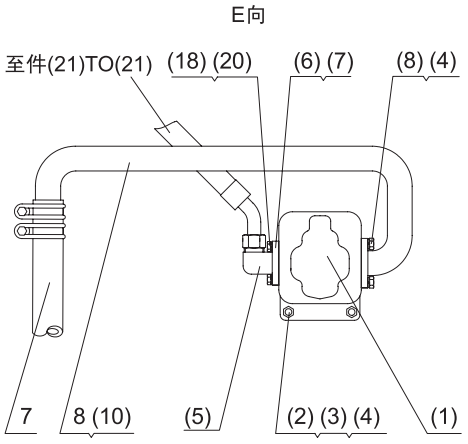
https://truckmanualshub.com/

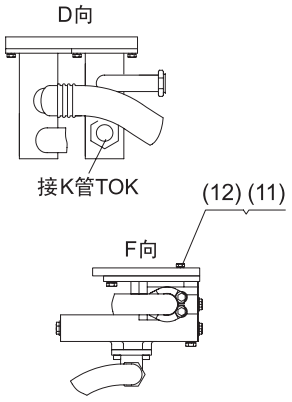


# 第69图 SL50W转向泵/卸荷阀管路

# FIG.69 STEERING PUMP/UNLOADING VALVE PIPING



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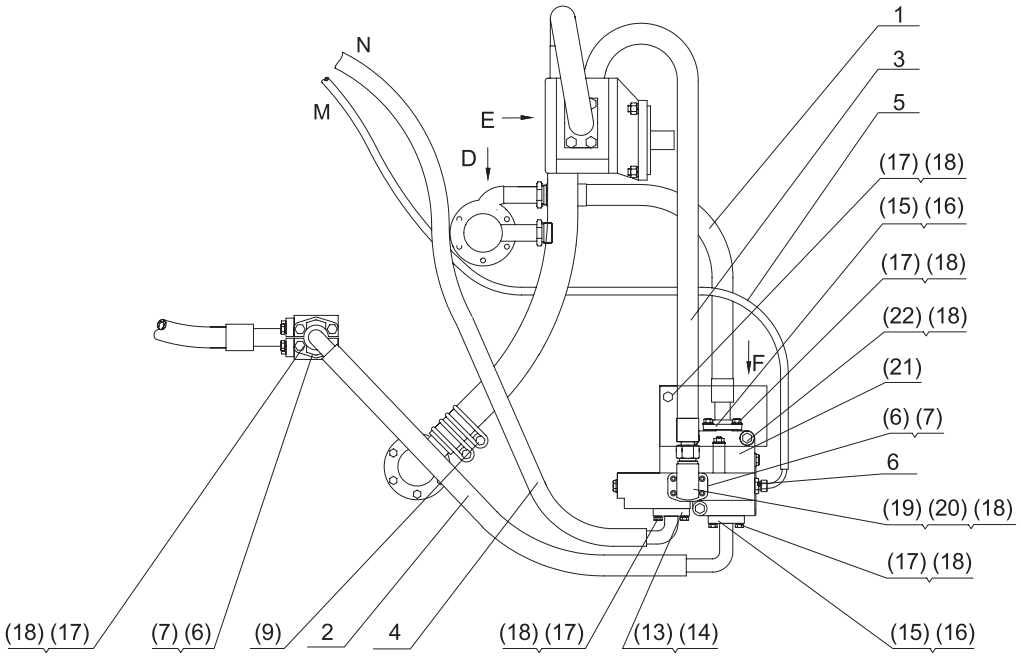
| 序号 NO. | 部件号 PART NO. | 零件名称 PART NAME | | 数量 Q'TY |
|---|---|---|---|---|
| 1 | DG956-05001 | 卸荷阀回油管 | Oil return tube, unloading valve | 1 |
| 2 | DG956-05002 | 卸荷阀到油路板合流 | Confluence tube , unloading valve to oil way board | 1 |
| 3 | DG956-05003 | 转向泵到卸荷阀油管 | Oil tube , steering pump to unloading valve | 1 |
| 4 | DG956-05004 | 转向器到卸荷阀油管 | Oil tube,deflector to unloading valve | 1 |
| 5 | DG956-05005 | 转向器到卸荷阀反馈油管 | Reaction oil tube ,deflector to unloading valve | 1 |
| 6 | DG956-05007 | 接头 | Joint | 1 |
| 7 | ZL50G3-05017 | 低压耐油胶管 $\phi 45 \times 810$ | Hose | 1 |
| 8 | ZL50G3-05018 | 转向泵进油钢管 | Steering pump oil-in steel tube | 1 |

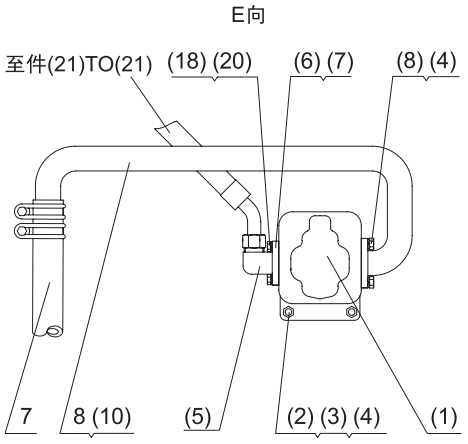
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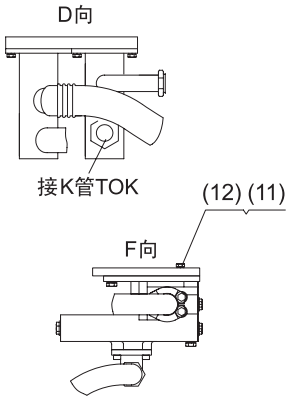


# 第69图 SL50W转向泵/卸荷阀管路

# FIG.69 STEERING PUMP/UNLOADING VALVE PIPING



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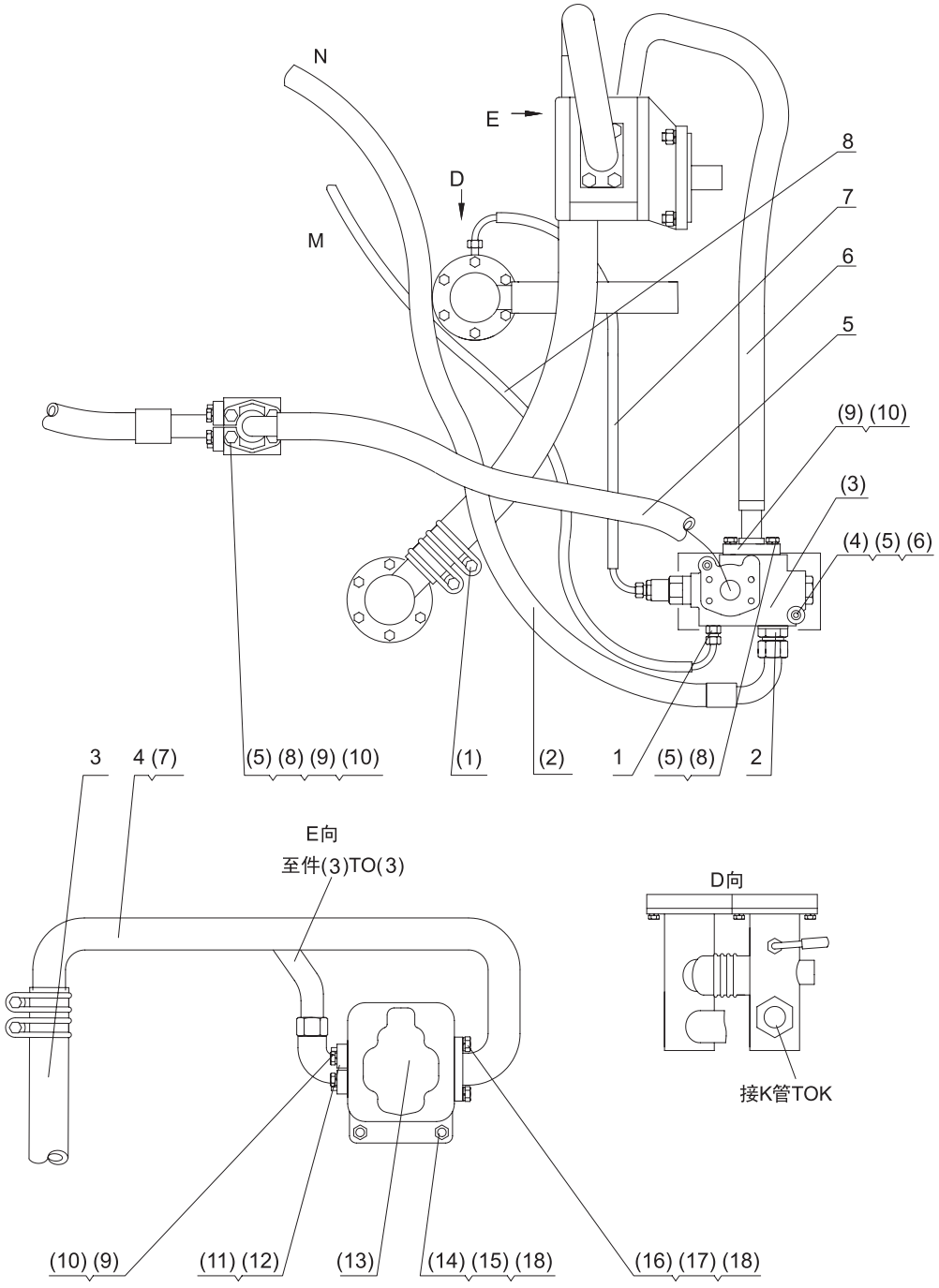
| 序号 NO. | 部件号 PART NO. | 零件名称 PART NAME | | 数量 Q'TY |
|---|---|---|---|---|
| (1) | JHP2100 | 齿轮泵P反 | Gear pump | 1 |
| (2) | GB 898 M12x35 | 螺柱A M12x35 | Double-screw bolt | 4 |
| (3) | GB6170 M12 | 螺母M12 | Nut | 4 |
| (4) | GB93 12 | 弹垫12 | Spring washer | 8 |
| (5) | LFS1 1/4 /28LA | 直角法兰接头 | Flange joint | 1 |
| (6) | 51H-20 | 拼合法兰 | Split flange | 3 |
| (7) | GB3452.1 37.5×3.55 | O形圈37.5×3.55 | O-ring | 2 |
| (8) | GB5783 M12x30 | 螺栓M12x30 | Bolt | 4 |
| (9) | GB3618.1 57~62 | 双钢丝卡箍57~62 | Clamp | 4 |
| (10) | GB3452.1 43.7×3.55 | O形圈43.7×3.55 | O-ring | 1 |
| (11) | GB5783 M8×30 | 螺栓M8×30 | Bolt | 1 |
| (12) | GB93 8 | 弹垫8 | Spring washer | 1 |
| (13) | M1H-12 | 拼合法兰M10 | Split flange | 1 |
| (14) | GB3452.1 25×3.55 | O形圈25×3.55 | O-ring | 1 |
| (15) | M1H-16 | 拼合法兰 | Split flange | 2 |
| (16) | GB3452.1 32.5×3.55 | O形圈32.5×3.55 | O-ring | 2 |
| (17) | GB5783 M10x30 | 螺栓M10x30 | Bolt | 17 |
| (18) | GB93 10 | 弹簧垫圈10 | Spring washer | 28 |
| (19) | LFS1/28L | 直角法兰接头 | Flange joint | 1 |
| (20) | GB70 M10×30 | 螺钉M10×30 | Screw | 8 |
| (21) | YXH25 | 优先卸荷阀 | Priority unloading valve | 1 |
| (22) | GB5783 M10×75 | 螺栓M10×75 | Bolt | 3 |

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# 第70图 SL50W-2转向泵/优先阀管路

# FIG.70 STEERING PUMP/ PRIORITY VALVE PIPING



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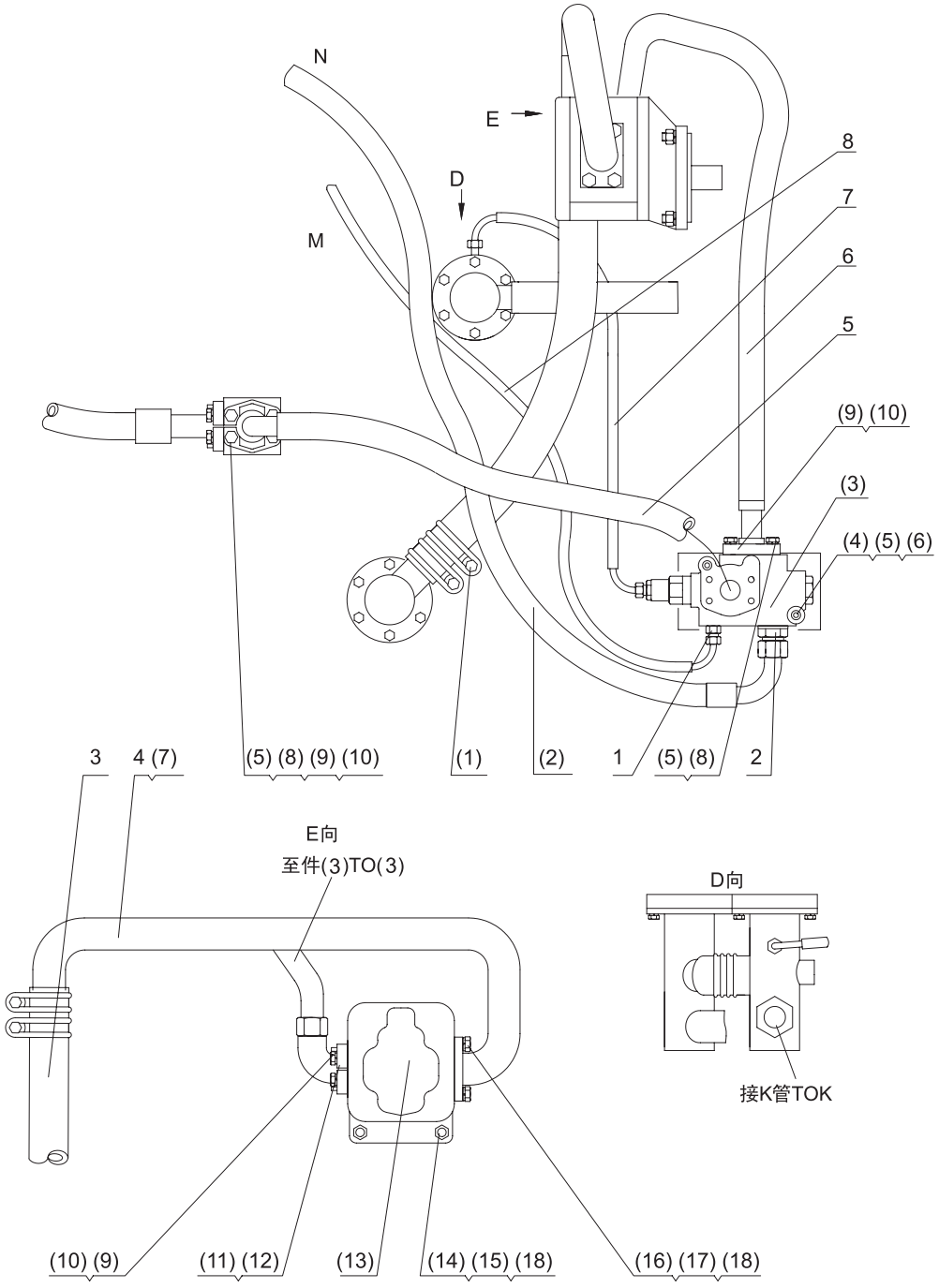
| 序号<br>NO. | 部件号<br>PART NO. | 零件名称<br>PART NAME | | 数量<br>Q'TY |
|---|---|---|---|---|
| 1 | ZL50G2-05005 | 反馈油管接头 | Reaction oil tube joint | 2 |
| 2 | ZL50G2-05006 | 优先阀接头 | Priority valve joint | 1 |
| 3 | ZL50G3-05017 | 低压耐油胶管 $\phi$45×810 | Hose | 1 |
| 4 | ZL50G3-05018 | 转向泵进油钢管 | Steering pump oil-in steel tube | 1 |
| 5 | ZL50G3-05023 | 优先阀到油路板合流管 | Confluence tube, priority valve to oil way board | 1 |
| 6 | ZL50FIII-05024A | 转向泵到优先阀油管 | Oil tube, steering pump to priority valve | 1 |
| 7 | ZL50G3-05025 | 软管总成8I-700 | Hose assembly | 1 |
| 8 | ZL50G3-05026 | 转向器到优先阀反馈油管 | Reaction oil tube, deflector to priority valve | 1 |

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# 第70图 SL50W-2转向泵/优先阀管路

# FIG.70 STEERING PUMP/ PRIORITY VALVE PIPING



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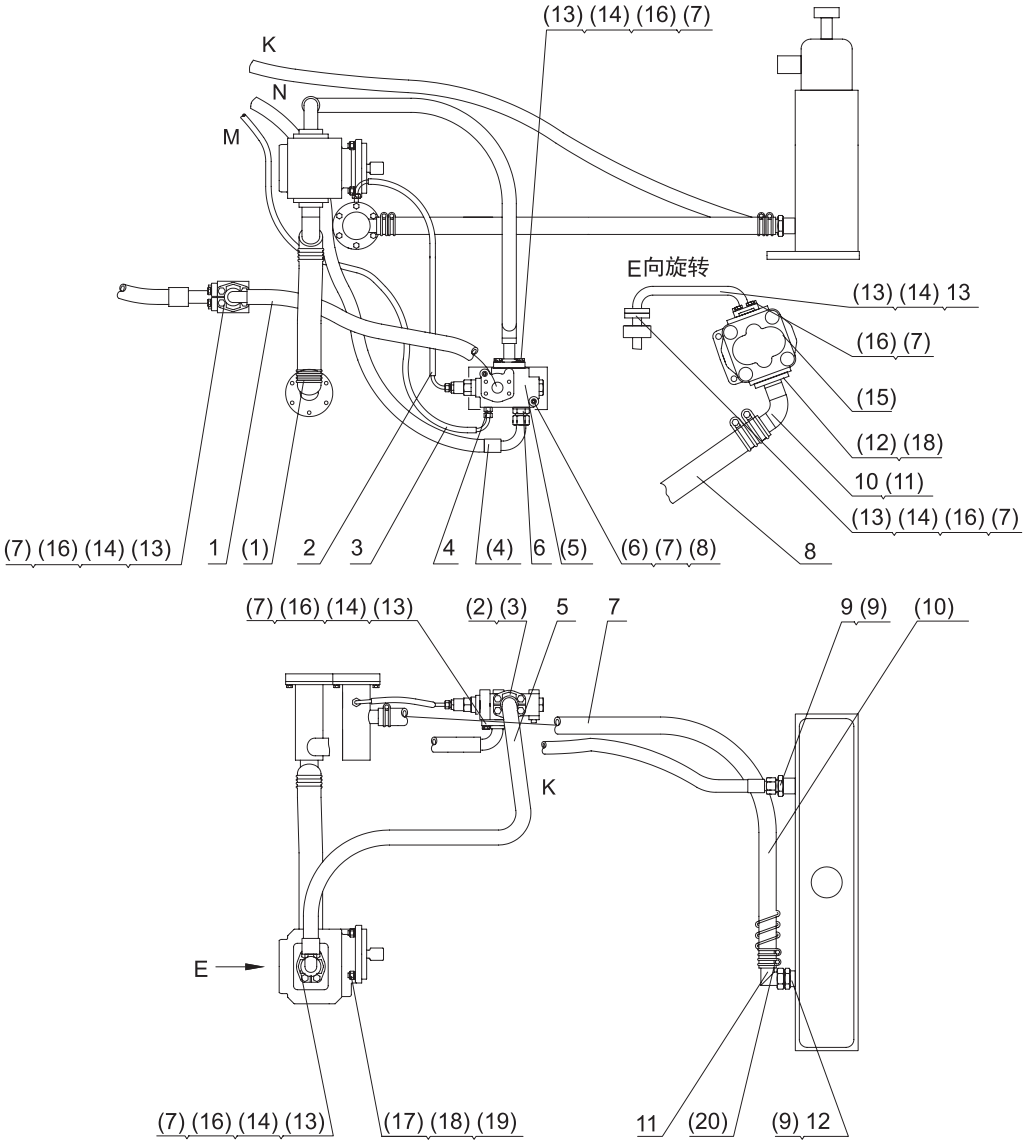
| 序号<br>NO. | 部件号<br>PART NO. | 零件名称<br>PART NAME | | 数量<br>Q'TY |
|---|---|---|---|---|
| (1) | GB3618.1 57~62 | 双钢丝卡箍57~62 | Clamp | 4 |
| (2) | JH100 19-2200 | 软管总成19-2200 | Hose assembly | 1 |
| (3) | VLE-150 | 优先阀 | Priority valve | 1 |
| (4) | GB70 M10x90 | 螺钉M10x90 | Screw | 2 |
| (5) | GB93 10 | 弹垫10 | Spring washer | 18 |
| (6) | GB95 10 | 平垫10 | Flat washer | 2 |
| (7) | GB3452.1 43.7×3.55 | O形圈43.7 x 3.55 | O-ring | 1 |
| (8) | GB5783 M10x30 | 螺栓M10x30 | Bolt | 12 |
| (9) | 51H-20 | 拼合法兰 | Split flange | 1 |
| (10) | GB3452.1 37.5×3.55 | O形圈37.5 x 3.55 | O-ring | 4 |
| (11) | GB70 M10×30 | 螺钉M10 x 30 | Screw | 4 |
| (12) | LFS 1 1/4′ 28LA | 直角法兰接头 | Flange joint | 1 |
| (13) | JHP2100 | 齿轮泵P反 | Gear pump | 1 |
| (14) | GB 898 M12x35 | 螺柱A M12x35 | Double-screw bolt | 4 |
| (15) | GB6170 M12 | 螺母M12 | Nut | 4 |
| (16) | GB5783 M12x30 | 螺栓M12x30 | Bolt | 4 |
| (17) | GB95 12 | 垫圈12 | Washer | 4 |
| (18) | GB93 12 | 弹垫12 | Spring washer | 8 |

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# 第71图 SL50W–3转向泵/优先阀管路

# FIG.71 STEERING PUMP/ PRIORITY VALVE PIPING



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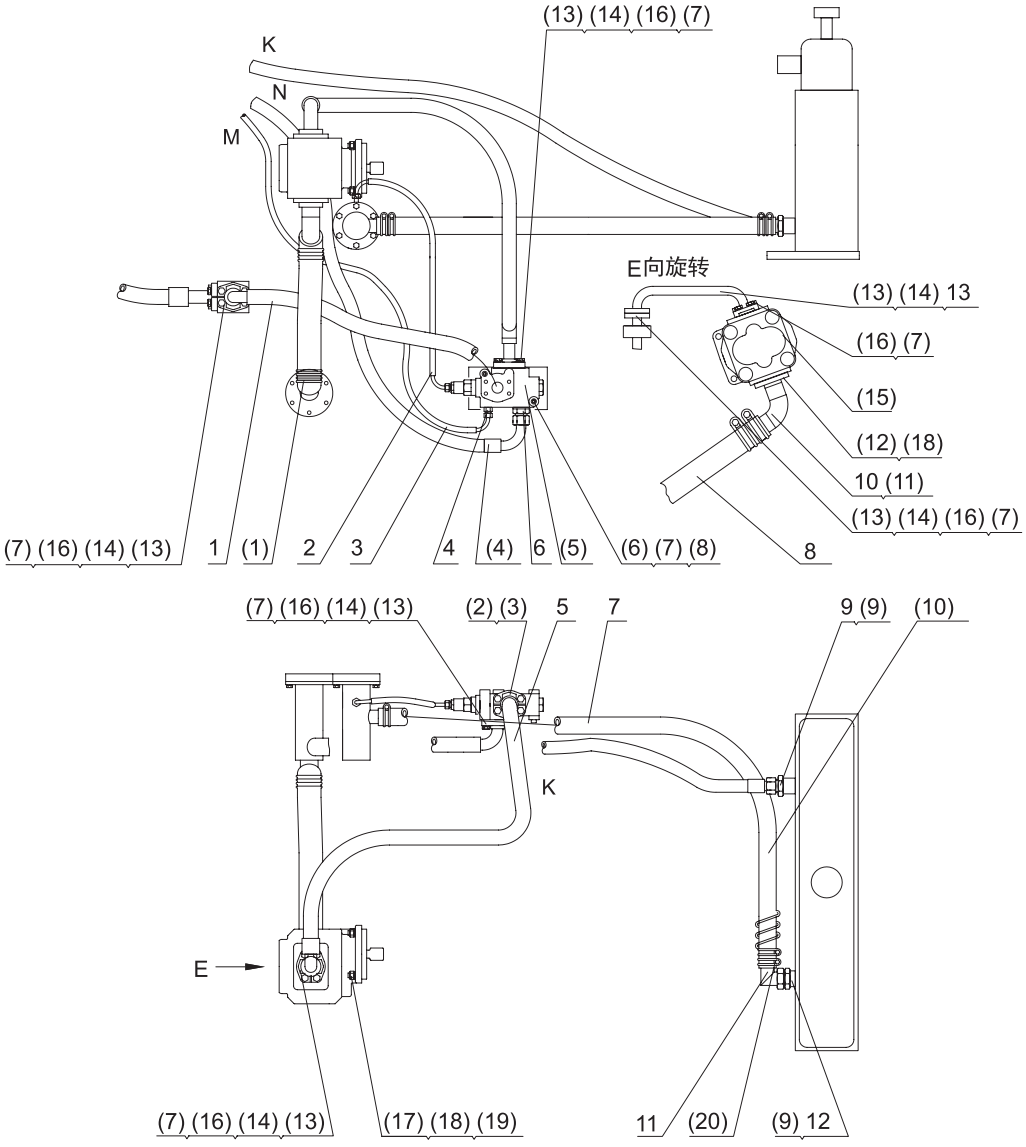
| 序号 NO. | 部件号 PART NO. | 零件名称 PART NAME | | 数量 Q'TY |
|---|---|---|---|---|
| 1 | ZL50G3-05023 | 优先阀到油路板合流管 | Oil tube, steering pump to priority valve | 1 |
| 2 | DG956W II -05026 | 软管总成8 I -700 | Hose assy. | 1 |
| 3 | ZL50G3-05026 | 转向器到优先阀反馈油管 | Reaction oil tube, deflector to priority valve | 1 |
| 4 | ZL50G2-05005 | 反馈油管接头 | Reaction oil tube joint | 2 |
| 5 | DG956W II -05025 | 转向泵到优先阀油管 | Oil tube, steering pump to priority valve | 1 |
| 6 | ZL50G2-05006 | 优先阀接头 | Priority valve joint | 1 |
| 7 | DG956W II -05007 | 低压耐油胶管32×2600 | Hose | 1 |
| 8 | DG956W II -05018 | 低压耐油胶管45×680 | Hose | 1 |
| 9 | DG956W II -05008 | 散热器进油接头 | Radiator oil-in joint | 1 |
| 10 | DG956W II -05019 | 转向泵进油钢管 | Steering pump oil-in steel tube | 1 |
| 11 | DG956W II -05030 | 直角接头 | Right-angle joint | 1 |
| 12 | DG956W II -05009 | 散热器出油接头 | Radiator oil-out joint | 1 |
| 13 | DG956W II -05031 | 转向泵出油钢管 | Steering pump oil-out steel tube | 1 |

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# 第71图 SL50W-3转向泵/优先阀管路

# FIG.71 STEERING PUMP/ PRIORITY VALVE PIPING



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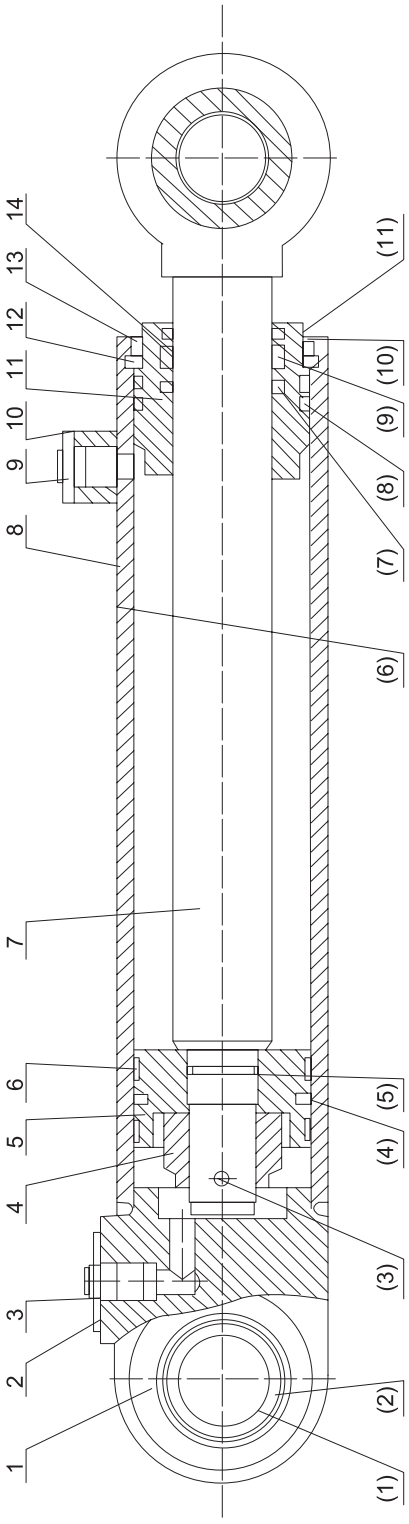
| 序号<br>NO. | 部件号<br>PART NO. | 零件名称<br>PART NAME | | 数量<br>Q'TY |
|---|---|---|---|---|
| (1) | JB3618.1 57~62 | 双钢丝卡箍57~62 | Clamp | 4 |
| (2) | JB1000 14×1.5 | 螺塞M14×1.5 | Plug screw | 1 |
| (3) | JB982 14 | 组合垫圈14 | Combined washer | 1 |
| (4) | JH100 19-2250 | 软管总成19-2250 | Hose assy. | 1 |
| (5) | VLE-150 | 优先阀 | Priority valve | 1 |
| (6) | GB70 M10x90 | 螺钉M10x90 | Screw | 2 |
| (7) | GB93 10 | 弹垫10 | Spring washer | 34 |
| (8) | GB95 10 | 垫圈 10 | Washer | 2 |
| (9) | JB982 30 | 组合垫圈30 | Combined washer | 2 |
| (10) | JH100 19Ⅰ-3330 | 软管总成19Ⅰ-3330 | Hose assy. | 1 |
| (11) | GB3452.1 43.7×3.55 | O型圈43.7×3.55 | O-ring | 1 |
| (12) | GB5783 M12x30 | 螺栓M12x30 | Bolt | 4 |
| (13) | 51H-20 | 拼合法兰 | Flange | 6 |
| (14) | GB3452.1 37.5×3.55 | O型圈37.5×3.55 | O-ring | 6 |
| (15) | JHP3100 | 齿轮泵(反转) | Gear pump | 1 |
| (16) | GB5783 M10x35 | 螺栓M10x35 | Bolt | 32 |
| (17) | GB 898 M12x50 | 螺柱A M12x50 | Double-screw bolt | 4 |
| (18) | GB6170 M12 | 螺母M12 | Nut | 4 |
| (19) | GB93 12 | 弹垫12 | Spring washer | 8 |
| (20) | JB3618.1 43~48 | 双钢丝卡箍43~48 | Clamp | 4 |

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# 第72图 转向油缸(370901)

# FIG.72 STEERING CYLINDER



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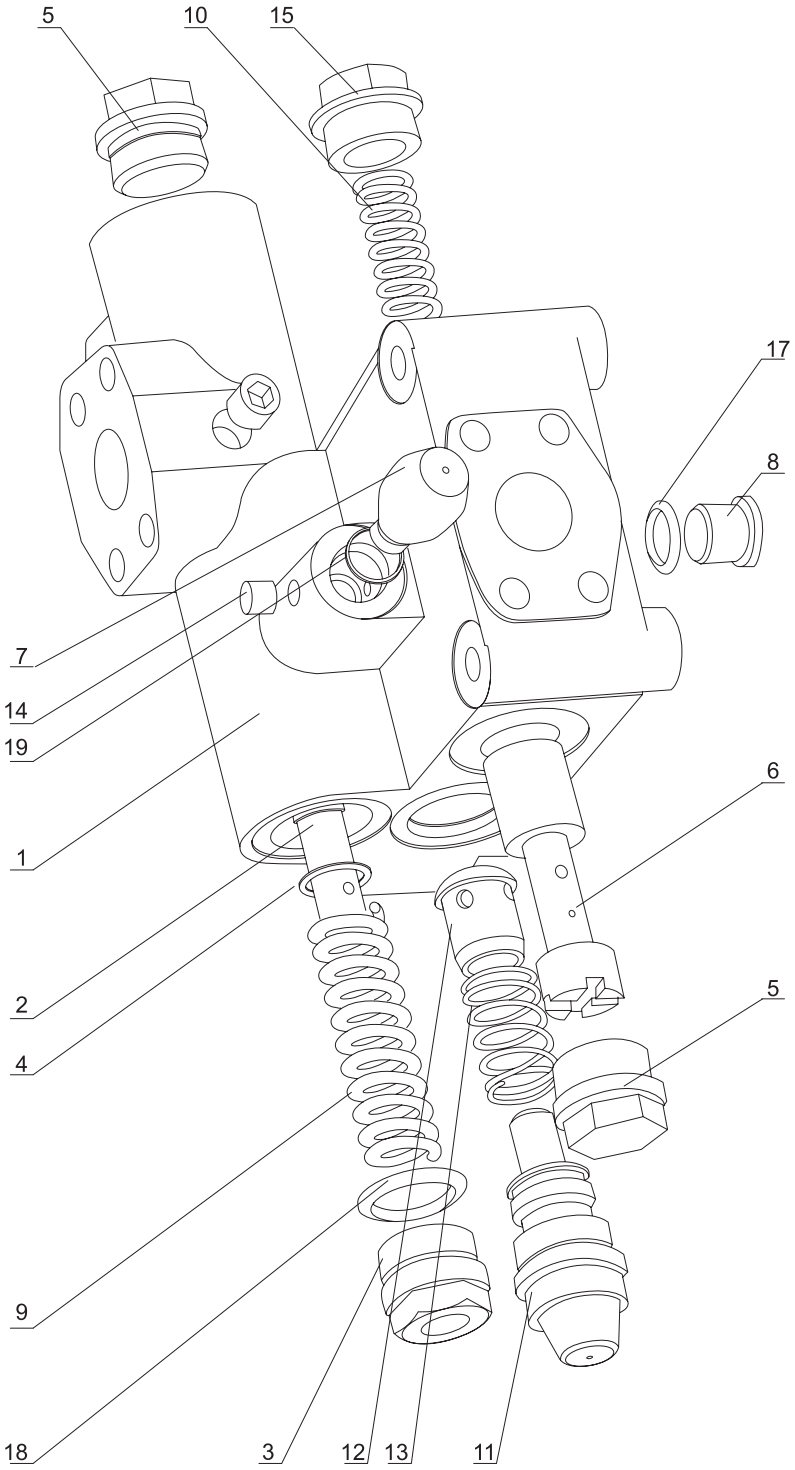
| 序号 NO. | 部件号 PART NO. | 零件名称 PART NAME | | 数量 Q'TY |
|---|---|---|---|---|
| 0 | DG958-05200 | 转向油缸 | Steering cylinder | 1 |
| 1 | ZL50QD.30.1 | 缸筒总成 | Cylinder assembly | 1 |
| 2 | ZL50QD.30-8 | 缸底油口橡胶垫 | Bottom port rubber pad | 1 |
| 3 | ZL50QD.30-7 | 缸底油口保护塞 | Bottom port protection plugs | 1 |
| 4 | ZL50QD.30-10A | 开槽螺母M29×2 | Slotted nuts | 1 |
| 5 | ZL50QD.30-2A | 活塞 | Piston | 1 |
| 6 | ZL50QD.30-6 | 支承环 | Support ring | 2 |
| 7 | ZL50QD.30.2A | 活塞杆 | Piston rod | 1 |
| 8 | ZL50DG2.30-1 | 铭牌 | Nameplate | 1 |
| 9 | ZL50QD.30-11 | 缸筒油口保护塞 | Cylinder port protection plugs | 1 |
| 10 | ZL50QD.30-10 | 缸筒油口橡胶垫 | Cylinder port rubber pad | 1 |
| 11 | ZL50QD.30-3A | 导向套 | Guide sleeve | 1 |
| 12 | ZL50QD.30-5 | 卡键 | Card key | 1 |
| 13 | ZL50QD.30-4 | 挡环 | Retaining ring | 1 |
| 14 | ZL50QD.30-9 | 挡圈 | Retaining ring | 1 |
| | | | | |
| (1) | GB304.5 GE50ES | 关节轴承GE50ES | Joint bearingf | 2 |
| (2) | GB893.1 75 | 孔用弹性挡圈75 | Hole circlip | 4 |
| (3) | GB91 6.3×70 | 开口销6.3×70 | Cotter pin | 1 |
| (4) | 100×84.5×6.3 | 格莱圈D100 | Grameen circle | 1 |
| (5) | GB1235 40×3.1 | O形圈40×3.1 | ″O″ ring | 1 |
| (6) | GB867 2×4 | 铆钉2×4 | Rivet | 4 |
| (7) | 55×70.1×6.3 | 斯特封D55 | Lancaster letters | 1 |
| (8) | GB1235 100×5.7 | O形圈100×5.7 | ″O″ ring | 2 |
| (9) | B3 5070 P5008 | KY圈55×70×10 | Ky ring | 1 |
| (10) | 55×68.6×6/3.5 | 防尘圈 | Dudt ring | 1 |
| (11) | GB894.1 90 | 轴用弹性挡圈90 | Shaft circlips | 1 |

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# 第73图 优先卸荷阀

# FIG.73 PRIORITY UNLOADING VALVE



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| 序号 NO. | 部件号 PART NO. | 零件名称 PART NAME | | 数量 Q'TY |
|---|---|---|---|---|
| 0 | YXH25 | 优先卸荷阀 | Priority unloading valve | 1 |
| 1 | YXH-01 | 阀体 | Valve body | 1 |
| 2 | YXH-02A | 优先阀芯 | Priority valve core | 1 |
| 3 | YXH-03A | 控制口螺塞 | Plug screw | 1 |
| 4 | YXH-05 | 垫片 | Gasket | 1 |
| 5 | YXH-07 | 螺塞I | Plug screw I | 2 |
| 6 | YXH-08 | 卸荷阀芯 | Unloading valve core | 1 |
| 7 | YF06-01 | 安全阀II | Safety valve II | 1 |
| 8 | D32-3 | 螺塞 | Plug screw | 1 |
| 9 | YXH-04A | 弹簧 | Spring | 1 |
| 10 | SXH25-13 | 弹簧 | Spring | 1 |
| 11 | YXH-06 | 安全阀I | Safety valve I | 1 |
| 12 | YXH-11 | 单向阀 | Check-valve | 1 |
| 13 | YXH-10 | 弹簧 | Spring | 1 |
| 14 | ZG1/8 | 螺堵ZG1/8 | Plug | 2 |
| 15 | YXH-09 | 螺塞II | Plug screw | 1 |
| 17 | GB3452.1 20×2.4 | O形圈20×2.4 | O-ring | 1 |
| 18 | GB3452.1 26.5×2.65 | O形圈26.5×2.65 | O-ring | 5 |
| 19 | GB3452.1 16×1.8 | O形圈16×1.8 | O-ring | 1 |

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# 工 作 装 置 液 压 系 统

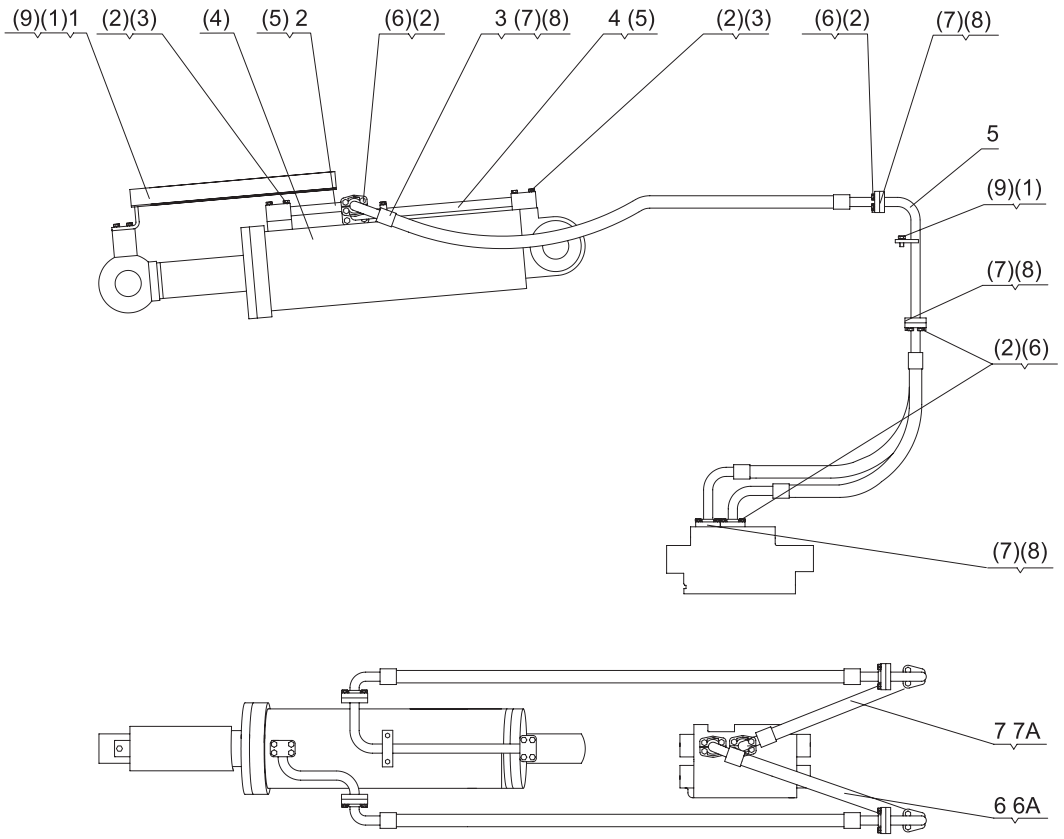
# WORKING DEVICE HYDRAULIC SYSTEM

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# 第74图 翻斗缸管路

# FIG.74 TIPPING CYLINDER PIPING




**⚠注 意**

装配先导操纵时，请使用件6A和7A。

When match Pilot control, please use part 6A and 7A.

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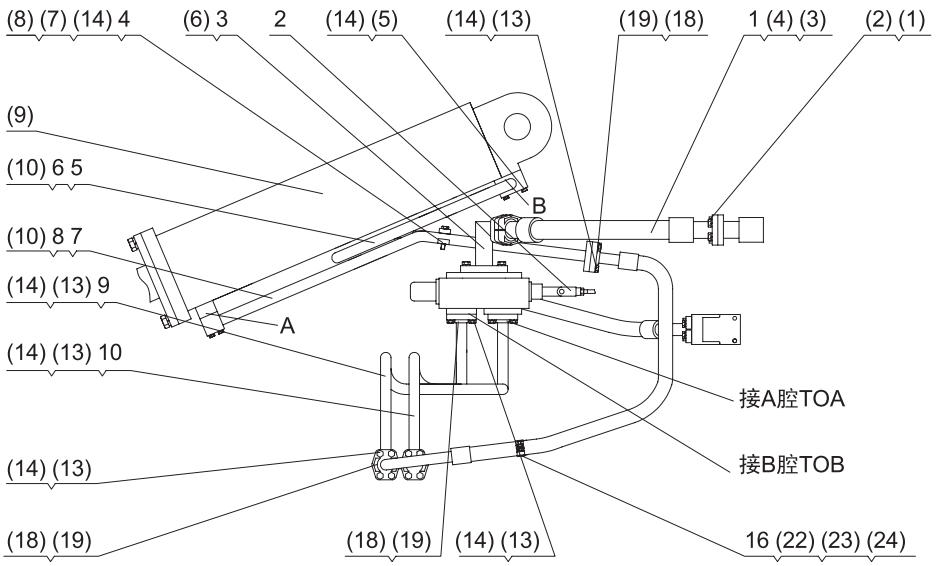
| 序号 NO. | 部件号 PART NO. | 零件名称 PART NAME | | 数量 Q'TY |
|---|---|---|---|---|
| 1 | ZL50G2-06001A | 缸杆保护装置 | Lever protector | 1 |
| 2 | ZL50G2-06002 | 翻斗缸小腔接管 | Small cavity nozzle | 1 |
| 3 | ZL50G2-06003 | 翻斗缸油管 | Oil tube | 2 |
| 4 | ZL50G2-06004 | 翻斗缸大腔接管 | Big cavity nozzle | 1 |
| 5 | ZL50G2-06005A | 翻斗缸中间接头 | Mid-joint | 2 |
| 6 | ZL50FIII-06016 | 翻斗缸进油管II | Oil-in tube II | 1 |
| 6A | ZL50G2-06033 | 工作阀中间油管Ⅰ | Mid-pipe Ⅰ,work valve | 1 |
| 7 | ZL50FIII-06018 | 翻斗缸进油管I | Oil-in tube I | 1 |
| 7A | ZL50G2-06028 | 工作阀中间油管II | Mid-pipe II,work valve | 1 |
| (1) | GB5783 M12×25 | 螺栓 M12×25 | Bolt | 6 |
| (2) | GB93 10 | 弹垫10 | Spring washer | 40 |
| (3) | GB5783 M10×65 | 螺栓 M10×65 | Bolt | 8 |
| (4) | DG958-06500 | 翻斗缸 | Tipping cylinder | 1 |
| | DG956-06500A | 翻斗缸(长臂金刚用) | Tipping cylinder(for long arm) | 1 |
| (5) | GB3452.2 32.5×3.55 | O形圈32.5×3.55 | O-ring | 2 |
| (6) | GB5783 M10×35 | 螺栓 M10×35 | Bolt | 32 |
| (7) | 51H-20 | 法兰 | Flange | 8 |
| (8) | GB3452.2 37.5×3.55 | O形圈37.5×3.55 | O-ring | 8 |
| (9) | GB93 12 | 弹垫12 | Spring washer | 6 |

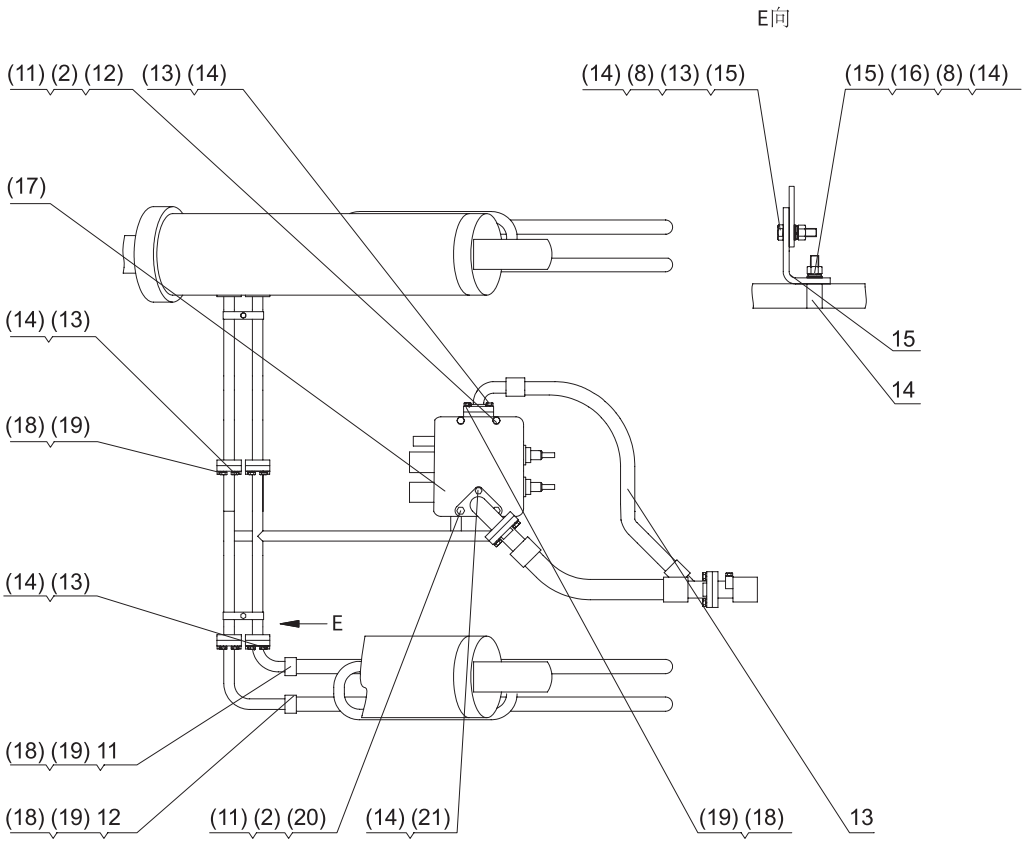
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# 第75图 举升缸管路

# FIG.75 LIFTING CYLINDER PIPING



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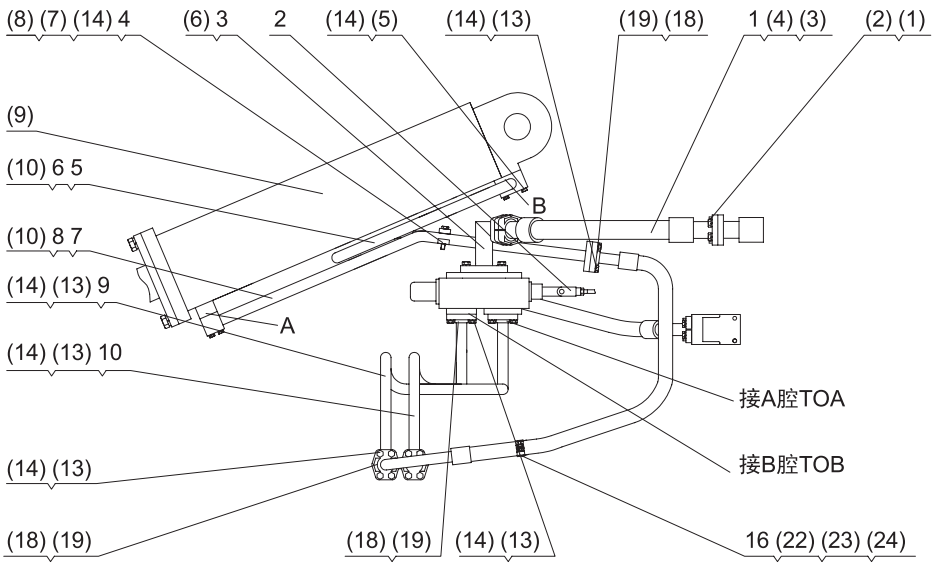
| 序号 NO. | 部件号 PART NO. | 零件名称 PART NAME | | 数量 Q'TY |
|---|---|---|---|---|
| 1 | ZL50FIII-06017 | 工作阀回油接管II | Return nozzle II,work valve | 1 |
| 2 | ZL50FIII-06100A | 工作液压操纵系统 | Control system | 1 |
| 3 | ZL50FIII-06019 | 工作阀回油接头 | Return joint,work valve | 1 |
| 4 | ZL50G2-06054 | 管卡 | Tube clip | 4 |
| 5 | ZL50G2-06048B | 举升缸大腔接头(左) | Joint, lifting cylinder big cavity(L) | 1 |
| 6 | ZL50G2-06049B | 举升缸大腔接头(右) | Joint, lifting cylinder big cavity(R) | 1 |
| 7 | ZL50G2-06045 | 举升缸小腔接头(左) | Joint, lifting cylinder small cavity(L) | 1 |
| 8 | ZL50G2-06046 | 举升缸小腔接头(右) | Joint, lifting cylinder small cavity(R) | 1 |
| 9 | ZL50FIII-06020 | 工作阀小腔中接头 | Joint,work valve small cavity | 1 |
| 10 | ZL50FIII-06021 | 工作阀大腔中接头 | Joint,work valve big cavity | 1 |
| 11 | ZL50G2-06041 | 举升缸大腔油管 | Tube,lifting cylinder big cavity | 2 |
| 12 | ZL50G2-06042 | 举升缸小腔油管 | Tube,lifting cylinder small cavity | 2 |
| 13 | ZL50FIII-06015 | 工作阀进油管I | Oil-in tube,work valve | 1 |
| 14 | ZL50G2-06050A | 管卡 | Tube clip | 2 |
| 15 | ZL50FⅢ-06042 | 连接板 | Connect board | 2 |
| 16 | ZL50G2-06047B | 管卡 | Tube clip | 4 |

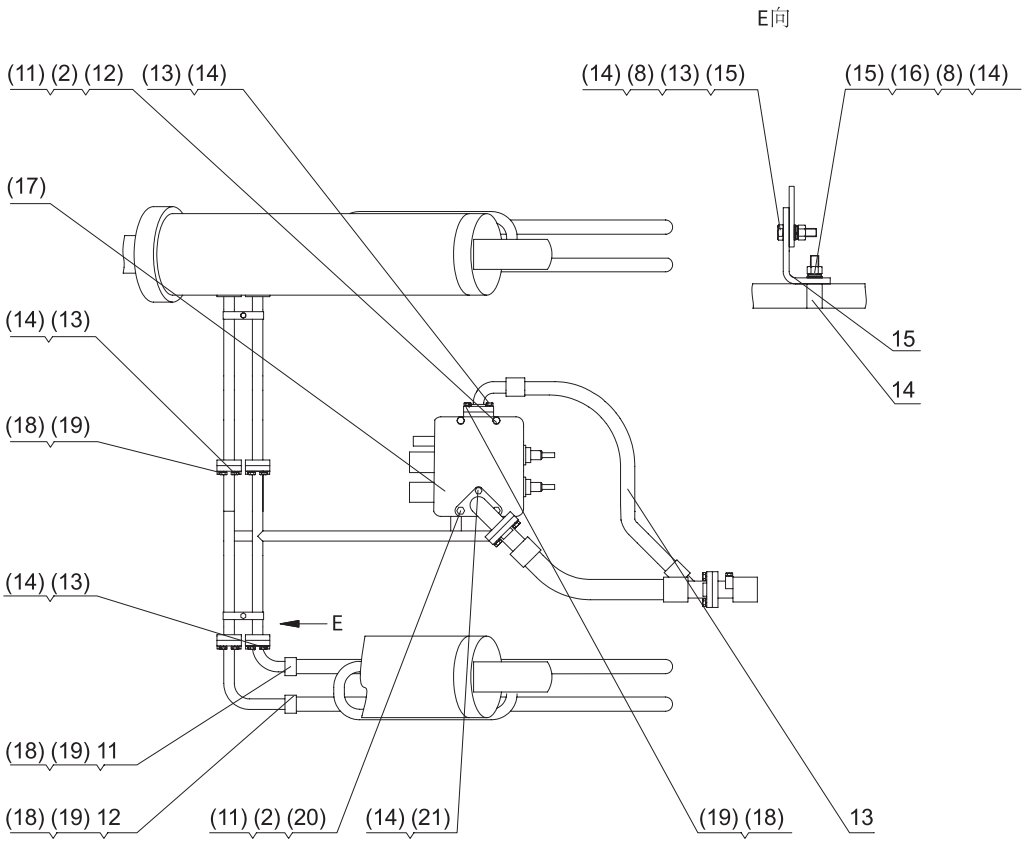
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# 第75图 举升缸管路

# FIG.75 LIFTING CYLINDER PIPING



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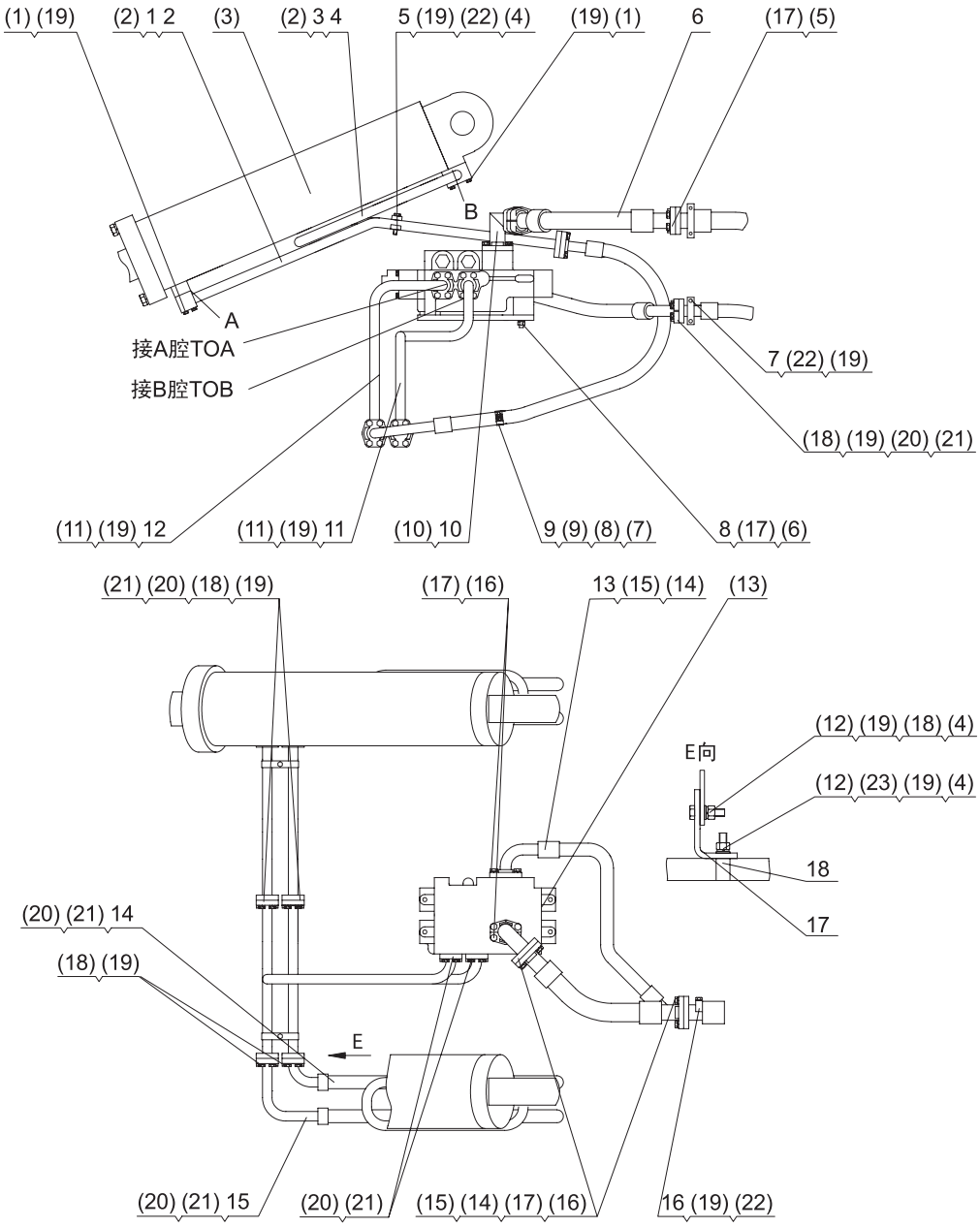
| 序号 NO. | 部件号 PART NO. | 零件名称 PART NAME | | 数量 Q'TY |
|---|---|---|---|---|
| (1) | GB5783 M12×35 | 螺栓M12×35 | Bolt | 8 |
| (2) | GB93 12 | 弹垫12 | Spring washer | 12 |
| (3) | GB3452.2 47.5×3.55 | O形圈47.5×3.55 | O-ring | 2 |
| (4) | 51H-24 | 法兰 | Flange | 2 |
| (5) | GB5783 M10×65 | 螺栓M10×65 | Bolt | 16 |
| (6) | GB1235 50×3.1 | O形圈50×3.1 | O-ring | 1 |
| (7) | GB5780 M10×55 | 螺栓M10×55 | Bolt | 2 |
| (8) | GB6170 M10 | 螺母M10 | Nut | 8 |
| (9) | DG958-06600 | 举升缸 | Lifting cylinder | 2 |
| | DG958-J06600 | 举升缸(配加长臂和长臂金刚) | Lifting cylinder(for extend arm and long arm) | 2 |
| (10) | GB3452.2 32.5×3.55 | O形圈32.5×3.55 | O-ring | 4 |
| (11) | GB6170 M12 | 螺母M12 | Nut | 4 |
| (12) | GB5780 M12×120 | 螺栓M12×120 | Bolt | 2 |
| (13) | GB5783 M10×35 | 螺栓M10×35 | Bolt | 60 |
| (14) | GB93 10 | 弹垫10 | Spring washer | 81 |
| (15) | GB95 10 | 垫圈10 | Washer | 6 |
| (16) | GB5783 M10×40 | 螺栓M10×40 | Bolt | 2 |
| (17) | DF32.2C | 多路换向阀 | Multiple unit valve | 1 |
| (18) | GB3452.2 37.5×3.55 | O形圈37.5×3.55 | O-ring | 14 |
| (19) | 51H-20 | 法兰 | Flange | 14 |
| (20) | GB5780 M12×135 | 螺栓M12×135 | Bolt | 2 |
| (21) | GB5783 M10×30 | 螺栓M10×30 | Bolt | 1 |
| (22) | GB93 8 | 弹垫8 | Spring washer | 2 |
| (23) | GB6170 M8 | 螺母M8 | Nut | 2 |
| (24) | GB5781 M8×25 | 螺栓M8×25 | Bolt | 2 |

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# 第76图 举升缸管路(先导)

# FIG.76 LIFTING CYLINDER PIPING(PILOT)



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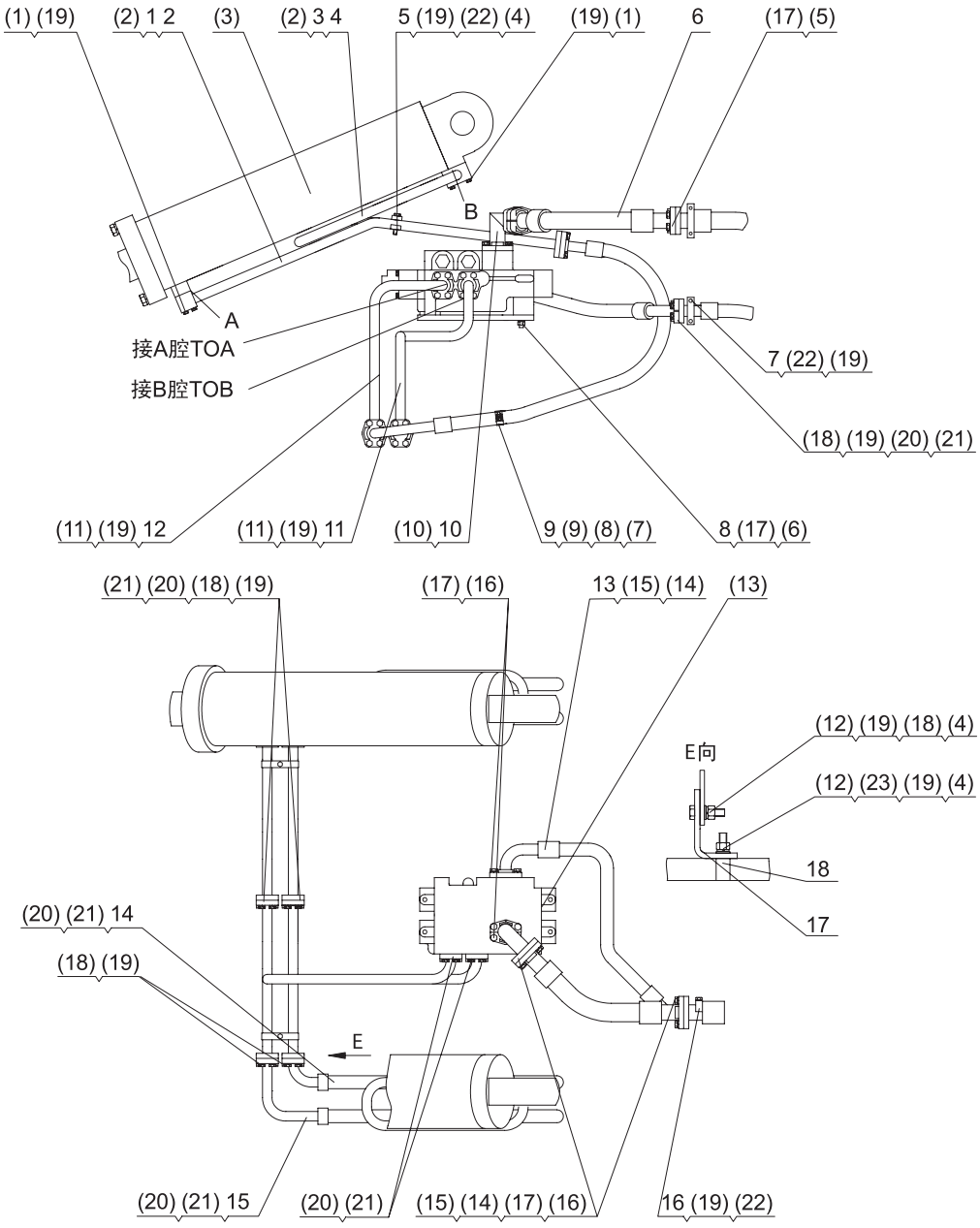
| 序号 NO. | 部件号 PART NO. | 零件名称 PART NAME | | 数量 Q'TY |
|---|---|---|---|---|
| 1 | ZL50G2-06046 | 举升缸小腔接头(右) | Joint, lifting cylinder small cavity(R) | 1 |
| 2 | ZL50G2-06045 | 举升缸小腔接头(左) | Joint, lifting cylinder small cavity(L) | 1 |
| 3 | ZL50G2-06049B | 举升缸大腔接头(右) | Joint, lifting cylinder large cavity(R) | 1 |
| 4 | ZL50G2-06048B | 举升缸大腔接头(左) | Joint, lifting cylinder large cavity(L) | 1 |
| 5 | ZL50G2-06054 | 管卡 | Tube clip | 4 |
| 6 | ZL50G2-06030 | 工作阀回油接管II | Return nozzle II,work valve | 1 |
| 7 | ZL50G2-06027B | 油管固定卡 | Tube clip | 1 |
| 8 | ZL50G2-06031 | 丝杆 | Lead screw | 3 |
| 9 | ZL50G2-06047B | 管卡 | Tube clip | 4 |
| 10 | ZL50G2-06032 | 工作阀回油接头 | Oil return joint,work valve | 1 |
| 11 | ZL50G2-06034 | 工作阀大腔中接头 | Joint,work valve large cavity | 1 |
| 12 | ZL50G2-06035 | 工作阀小腔中接头 | Joint,work valve small cavity | 1 |
| 13 | ZL50G2-06029 | 工作阀进油管I | Oil-in tube,work valve | 1 |
| 14 | ZL50G2-06041 | 举升缸大腔油管 | Tube,lifting cylinder large cavity | 2 |
| 15 | ZL50G2-06042 | 举升缸小腔油管 | Tube,lifting cylinder small cavity | 2 |
| 16 | ZL50G2-06024B | 油管固定卡 I | Tube clip | 1 |
| 17 | ZL50F III-06042 | 连接板 | Connect board | 2 |
| 18 | ZL50G2-06050A | 管卡 | Tube clip | 2 |

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# 第76图 举升缸管路(先导)

# FIG.76 LIFTING CYLINDER PIPING(PILOT)



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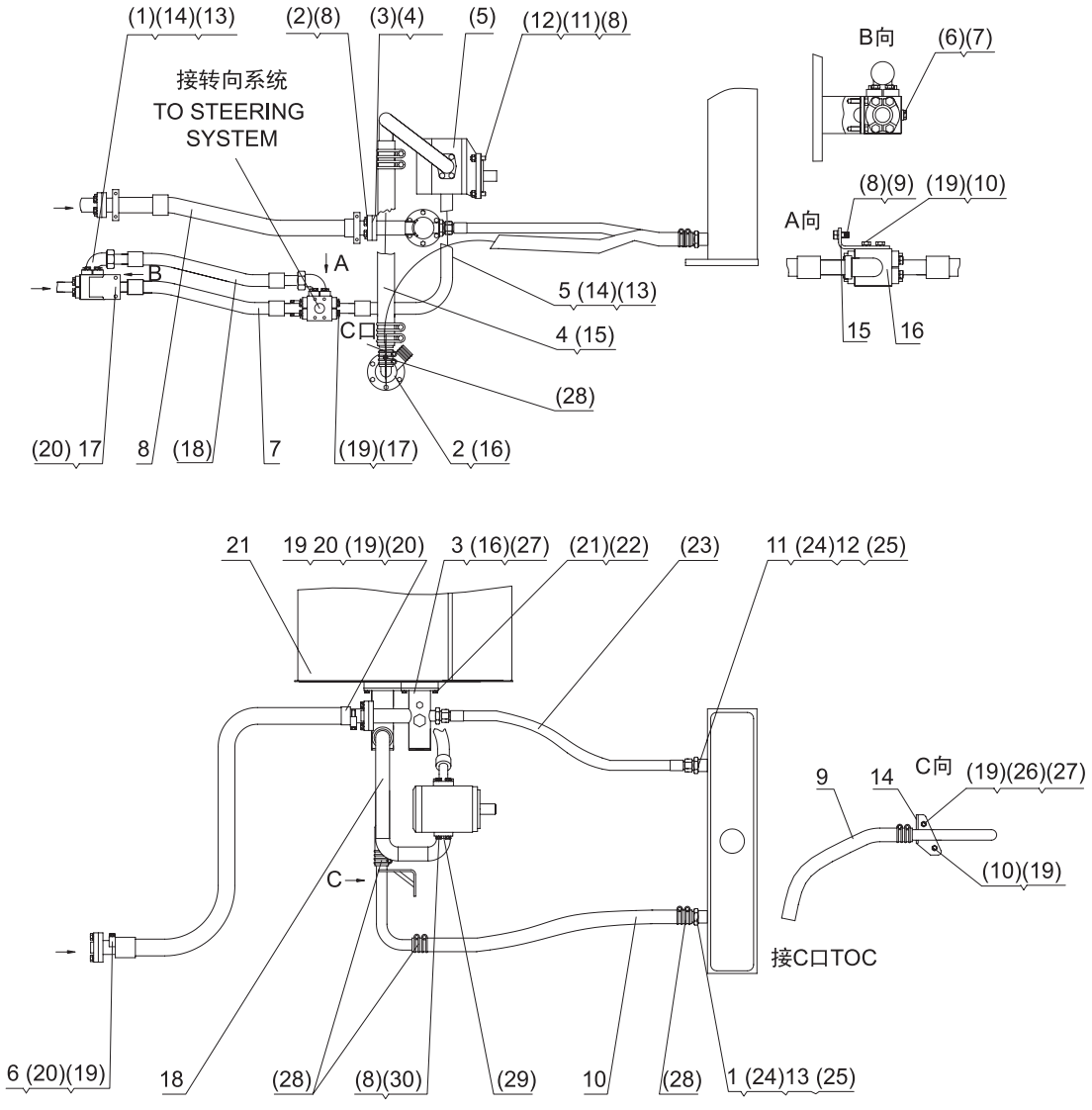
| 序号 NO. | 部件号 PART NO. | 零件名称 PART NAME | | 数量 Q'TY |
|---|---|---|---|---|
| (1) | GB5783 M10×65 | 螺栓M10×65 | Bolt | 16 |
| (2) | GB3452.2 32.5×3.55 | O形圈32.5×3.55 | O-ring | 4 |
| (3) | DG958-06600 | 举升缸 | Lifting cylinder | 2 |
| | DG958-J06600 | 举升缸 (配加长臂和长臂金刚) | Lifting cylinder(for extend arm and long arm) | 2 |
| (4) | GB6170 M10 | 螺母M10 | Nut | 8 |
| (5) | GB5783 M12×35 | 螺栓M12×35 | Bolt | 8 |
| (6) | GB898 M12×40 | 螺柱M12×40 | Double-screw Bolt | 4 |
| (7) | GB5781 M8×25 | 螺栓M8×25 | Bolt | 2 |
| (8) | GB6170 M8 | 螺母M8 | Nut | 2 |
| (9) | GB93 8 | 弹垫8 | Spring washer | 2 |
| (10) | GB3452.2 43.7×3.55 | O形圈43.7×3.55 | O-ring | 1 |
| (11) | GB5783 M10×30 | 螺栓M10×30 | Bolt | 8 |
| (12) | GB95 10 | 垫圈10 | Washer | 6 |
| (13) | D32.2 | 液控多路阀 | Hydraulic control multiple unit valve | 1 |
| | YDF32.2 | 液控多路阀 | Hydraulic control multiple unit valve | 1 |
| (14) | 51H-24 | 法兰 | Flange | 3 |
| (15) | GB3452.2 47.5×3.55 | O形圈47.5×3.55 | O-ring | 3 |
| (16) | GB5783 M12×30 | 螺栓M12×30 | Bolt | 8 |
| (17) | GB93 12 | 弹垫12 | Spring washer | 12 |
| (18) | GB5783 M10×35 | 螺栓M10×35 | Bolt | 48 |
| (19) | GB93 10 | 弹垫10 | Spring washer | 78 |
| (20) | GB3452.2 37.5×3.55 | O形圈37.5×3.55 | O-ring | 13 |
| (21) | 51H-20 | 法兰 | Flange | 13 |
| (22) | GB5780 M10×55 | 螺栓M10×55 | Bolt | 4 |
| (23) | GB5783 M10×40 | 螺栓M10×40 | Bolt | 2 |

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# 第77图 SL50W多路阀/工作泵管路

# FIG.77 MULTIPLE UNIT VALVE /WORK PUMP PIPING



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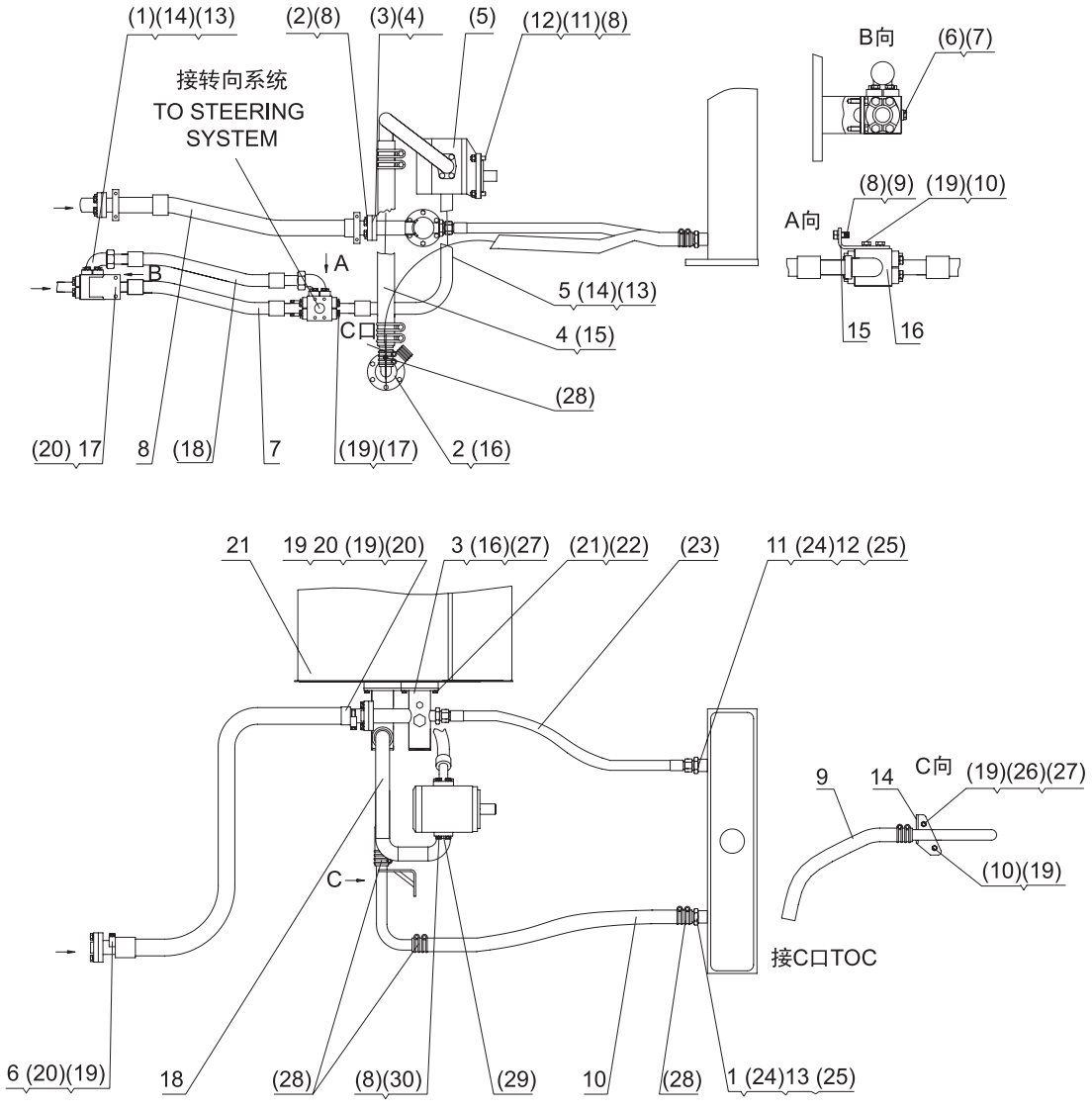
| 序号 NO. | 部件号 PART NO. | 零件名称 PART NAME | | 数量 Q'TY |
|---|---|---|---|---|
| 1 | ZL50G2-05009 | 散热器出油接头 | Radiator oil-out joint | 1 |
| 2 | ZL50FIII-06008A | 吸油接头总成 | Oil suction joint assy. | 1 |
| 3 | ZL50FIII-06009C | 回油接头总成 | Oil return joint assy. | 1 |
| 4 | ZL50G3-06020 | 低压耐油胶管 | Hose | 1 |
| 5 | ZL50G3-06021A | 工作泵出油管 | Oil-out tube,work pump | 1 |
| 6 | ZL50G2-06024B | 油管固定卡I | Tube clip I | 1 |
| 7 | ZL50G2-06025A | 工作阀进油管II | Oil-in tube,work valve II | 1 |
| 8 | ZL50G2-06026C | 工作阀回油管I | Oil return tube,work valve I | 1 |
| 9 | ZL50FIII-06035 | 低压耐油胶管 $\phi 32\times 590$ | Hose | 1 |
| 10 | ZL50FIII-06036 | 低压耐油胶管 $\phi 32\times 2420$ | Hose | 1 |
| 11 | ZL50FIII-06037 | 散热器进油接头 | Radiator oil-in joint | 1 |
| 12 | ZL50FIII-06037A | 散热器进油接头(ZL60GT-1C用) | Radiator oil-in joint(forZL60GT-1C) | 1<br>1 |
| 13 | ZL50FIII-06038A | 散热器出油接头(ZL60GT-1C用) | Radiator oil-out joint(for ZL60GT-1C) | 1<br>1 |
| 14 | ZL50FIII-06039 | 支架 | Bracket | 1 |
| 15 | ZL50G2-06039 | 油路板固定板 | Fixed plate | 1 |
| 16 | ZL50FIII-06040 | 油路板 | Oil-way board | 1 |
| 17 | ZL50FIII-06041 | 金属管总成 | Metal tube assy. | 1 |
| 18 | ZL50G3-06046 | 工作泵吸油接头 | Oil suction joint,work pump | 1 |
| 19 | ZL50G2-06052B | 油管固定卡II | Tube clip II | 1 |
| 20 | ZL50G2-06053 | 橡胶垫 | Rubber mat | 1 |
| 21 | DG956W-06200 | 机油箱总成 | Engine oil tank assy. | 1 |

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# 第77图 SL50W多路阀/工作泵管路

# FIG.77 MULTIPLE UNIT VALVE /WORK PUMP PIPING



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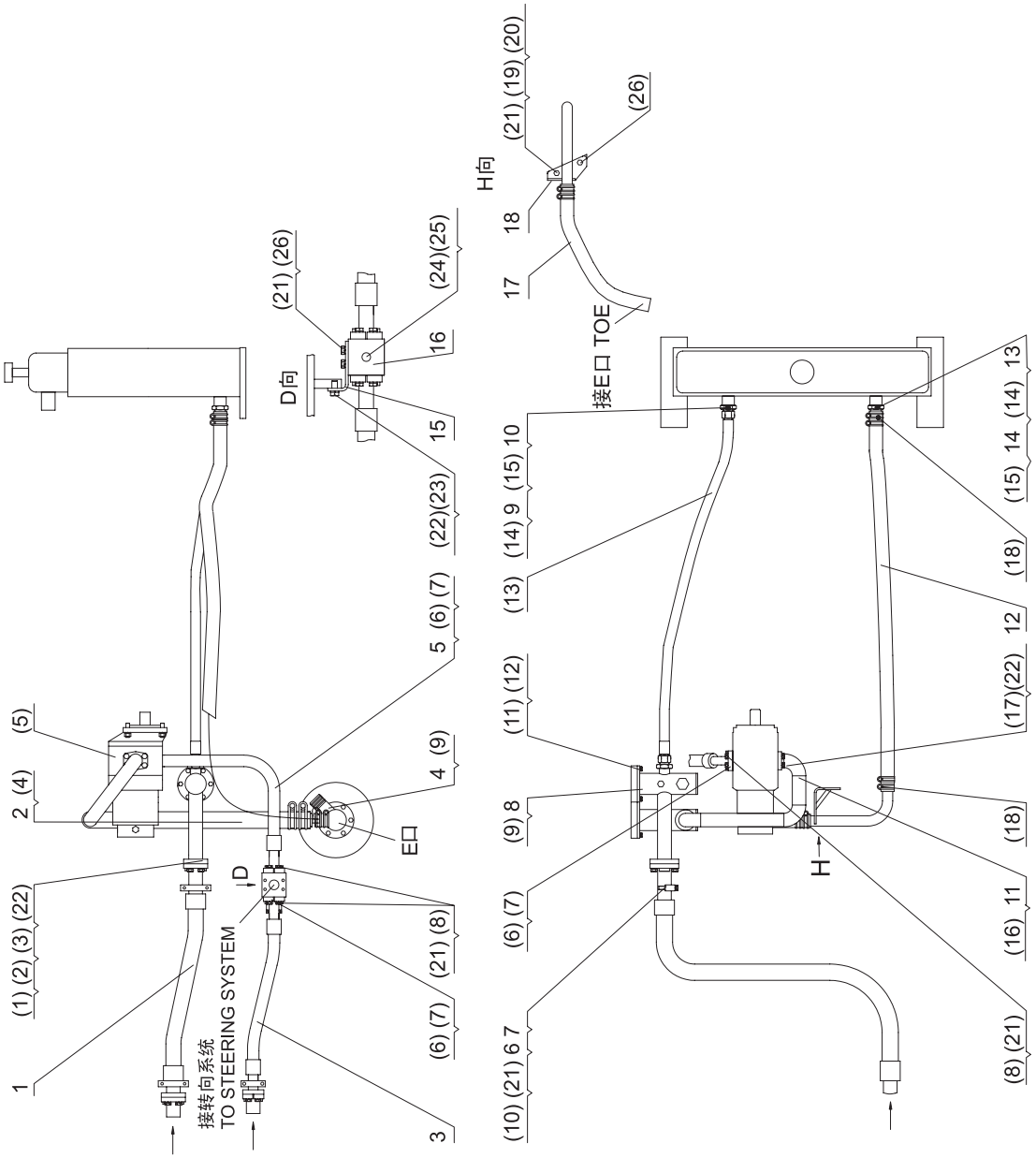
| 序号 NO. | 部件号 PART NO. | 零件名称 PART NAME | | 数量 Q'TY |
|---|---|---|---|---|
| (1) | LFS1 1/4′ 28LA | 直角法兰接头 | Flange joint | 2 |
| (2) | GB5783 M12×35 | 螺栓 M12×35 | Bolt | 4 |
| (3) | 51H-24 | 法兰 | Flange | 1 |
| (4) | GB3452.2 47.5×3.55 | O形圈47.5×3.55 | O-ring | 1 |
| (5) | CBGj3100A | 齿轮泵(反转矩形花键) | Gear pump | 1 |
| (6) | JB1000 M14×1.5 | 螺塞 M14×1.5 | Plug screw | 1 |
| (7) | JB982 14 | 组合垫圈14 | Combined washer | 1 |
| (8) | GB93 12 | 弹垫12 | Spring washer | 14 |
| (9) | GB5783 M12×25 | 螺栓 M12×25 | Bolt | 2 |
| (10) | GB5781 M10×20 | 螺栓 M10×20 | Bolt | 3 |
| (11) | GB6170 M12 | 螺母M12 | Nut | 8 |
| (12) | GB898 A M12×35 | 螺柱 A M12×35 | Double-screw bolt | 4 |
| (13) | GB3452.2 37.5×3.55 | O形圈37.5×3.55 | O-ring | 6 |
| (14) | 51H-20 | 法兰 | Flange | 6 |
| (15) | GB3618.1 57～62 | 双钢丝卡箍57～62 | Clamp | 4 |
| (16) | GB1235 65×3.1 | O形圈65×3.1 | O-ring | 2 |
| (17) | GB5783 M10×30 | 螺栓 M10×30 | Bolt | 24 |
| (18) | JH100 25I-1190 | 软管总成25I-1190 | Hose assembly | 1 |
| (19) | GB93 10 | 弹垫10 | Spring washer | 32 |
| (20) | GB5780 M10×55 | 螺栓 M10×55 | Bolt | 4 |
| (21) | GB93 10 | 弹垫10 | Spring washer | 12 |
| (22) | GB5781 M8×20 | 螺栓 M8×20 | Bolt | 12 |
| (23) | JH100 25I-2250 | 软管总成25I-2250 | Hose assembly | 1 |
| (24) | JB982 30 | 组合垫圈30 | Combined washer | 2 |
| (25) | JB982 27 | 组合垫圈27 | Combined washer | 2 |
| (26) | GB5781 M10×40 | 螺栓 M10×40 | Bolt | 1 |
| (27) | GB97.1 10 | 垫圈10 | Washer | 2 |
| (28) | GB3618.1 43～48 | 双钢丝卡箍43～48 | Clamp | 8 |
| (29) | GB3452.2 43.7×3.55 | O形圈43.7×3.55 | O-ring | 1 |
| (30) | GB5783 M12×30 | 螺栓 M12×30 | Bolt | 4 |

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# 第78图 SL50W-2多路阀/工作泵管路

# FIG.78 MULTIPLE UNIT VALVE/WORK PUMP PIPING



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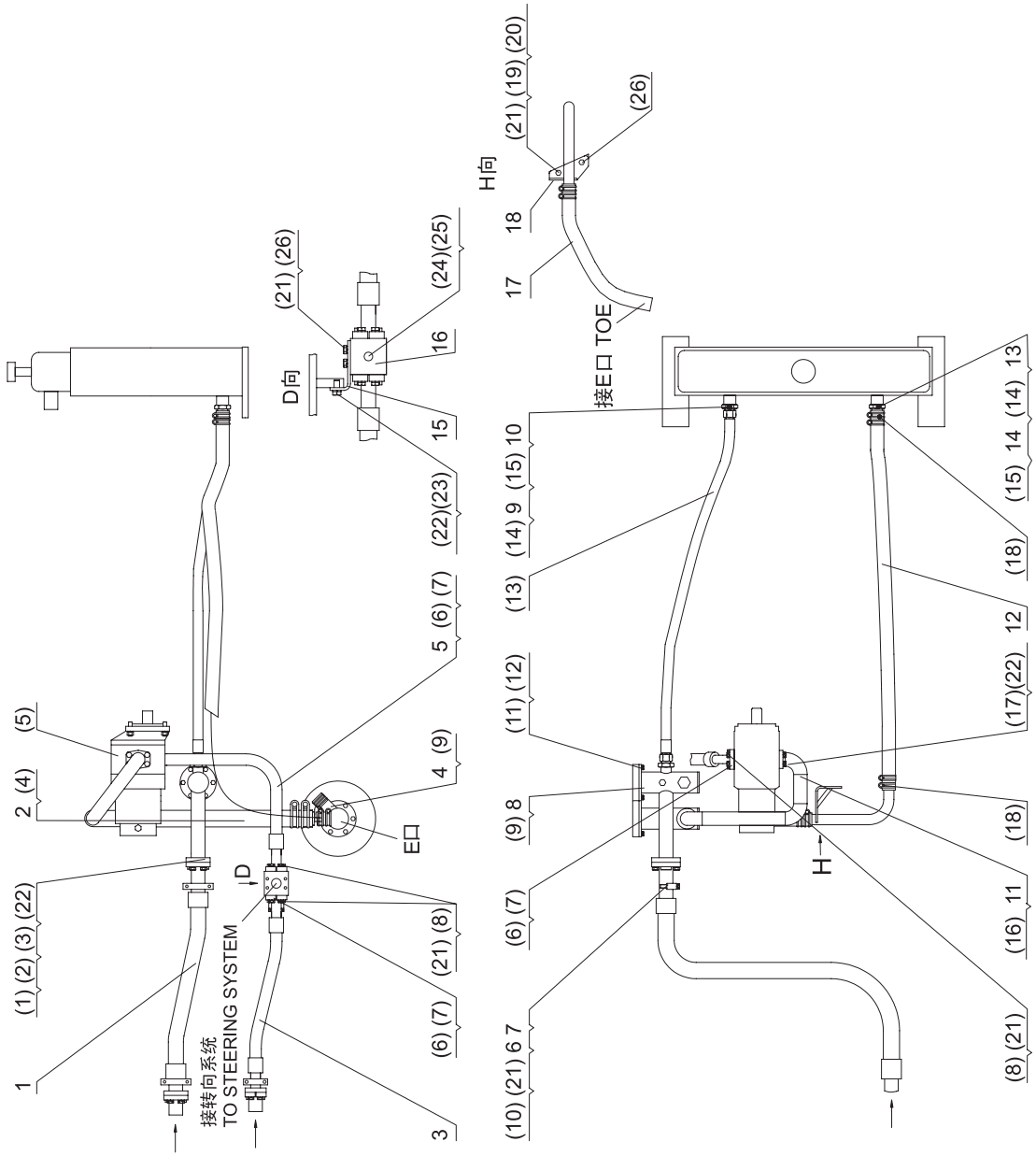
| 序号 NO. | 部件号 PART NO. | 零件名称 PART NAME | | 数量 Q'TY |
|---|---|---|---|---|
| 1 | ZL50G2-06026C | 工作阀回油管Ⅰ | Oil return tube Ⅰ,work valve | 1 |
| 2 | ZL50G3-06020 | 低压耐油胶管 | Hose | 1 |
| 3 | ZL50G2-06025 | 工作阀进油管Ⅱ | Oil-in tube Ⅱ，work valve | 1 |
| 4 | ZL50FⅢ-06008A | 吸油接头总成 | Suction joint assy. | 1 |
| 5 | ZL50G3-06021A | 工作泵出油管 | Oil-out tube，work valve | 1 |
| 6 | ZL50G2-06053 | 橡胶垫 | Rubber mat | 1 |
| 7 | ZL50G2-06052B | 油管固定卡Ⅱ | Tube clip | 1 |
| 8 | ZL50G2-06023B | 回油接头总成 | Oil return joint assy. | 1 |
| 9 | ZL50FⅢ-06037 | 散热器进油接头 | Radiator oil-in joint | 1 |
| 10 | ZL50FⅢ-06037A | 散热器进油接头(ZL60GT-1C用) | Radiator oil-in joint(for ZL60GT-1C) | 1 |
| 11 | ZL50G3-06046 | 工作泵吸油接头 | Suction joint , work pump | 1 |
| 12 | ZL50FⅢ-06036 | 低压耐油胶管 | Hose | 1 |
| 13 | ZL50G2-05009 | 散热器出油接头 | Radiator oil-out joint | 1 |
| 14 | ZL50FⅢ-06038A | 散热器出油接头(ZL60GT-1C用) | Radiator oil-out joint(for ZL60GT-1C) | 1 |
| 15 | ZL50G2-06039 | 油路板固定板 | Fixed plate | 1 |
| 16 | ZL50G2-06040 | 油路板 | Oil board | 1 |
| 17 | ZL50FⅢ-06035 | 低压耐油胶管 | Hose | 1 |
| 18 | ZL50FⅢ-06039 | 支架 | Bracket | 1 |

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# 第78图 SL50W-2多路阀/工作泵管路

# FIG.78 MULTIPLE UNIT VALVE/WORK PUMP PIPING



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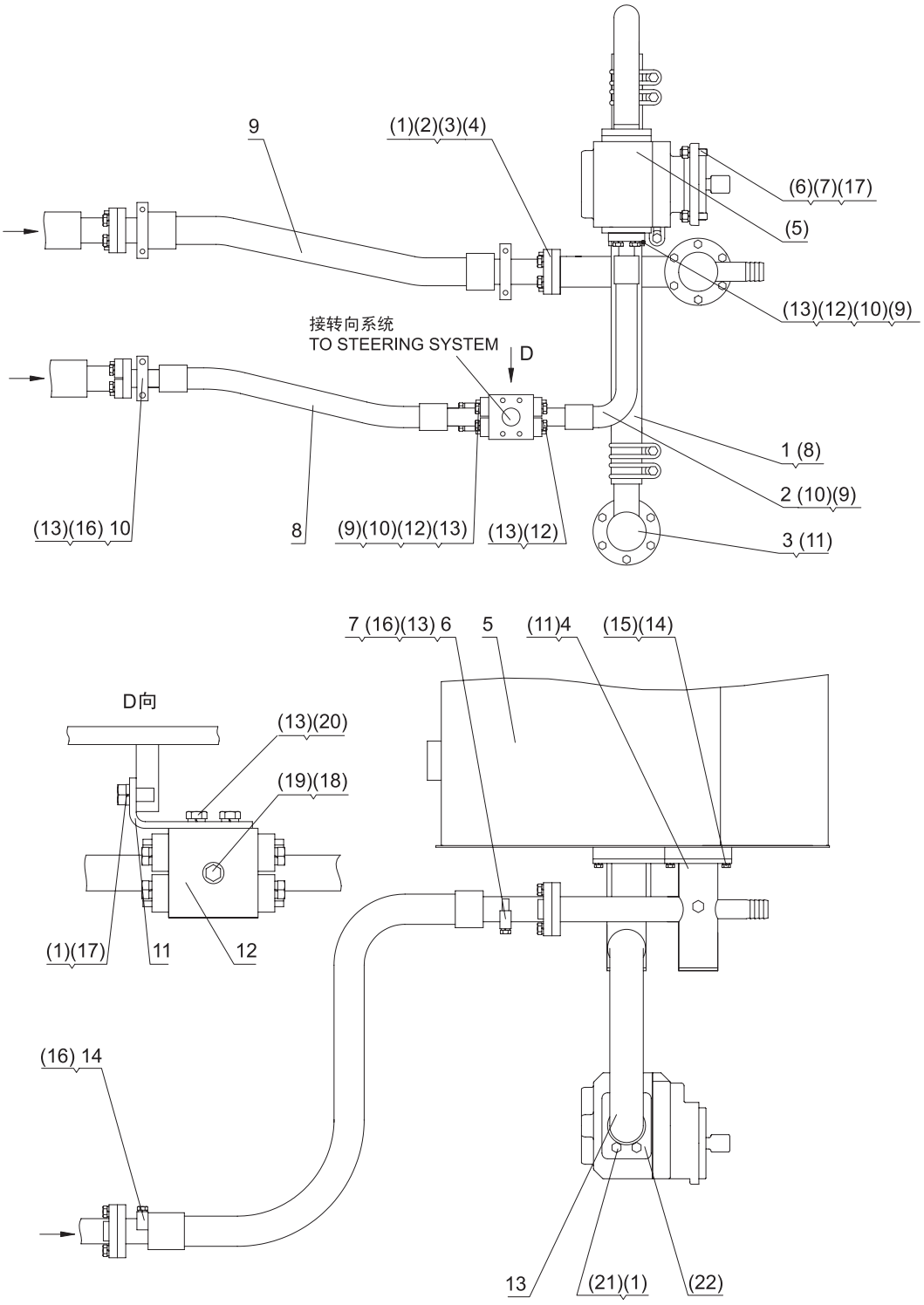
| 序号 NO. | 部件号 PART NO. | 零件名称 PART NAME | | 数量 Q'TY |
|---|---|---|---|---|
| (1) | 51H-24 | 法兰 | Flange | 1 |
| (2) | GB3452.2 47.5×3.55 | O形圈47.5×3.55 | O-ring | 1 |
| (3) | GB5783 M12×35 | 螺栓M12×35 | Bolt | 4 |
| (4) | JB3618.1 57~62 | 双钢丝卡箍57~62 | Clamp | 4 |
| (5) | CBGj3100/1010-XF | 齿轮泵(反转矩形花键) | Gear pump | 1 |
| (6) | GB3452.2 37.5×3.55 | O形圈37.5×3.55 | O-ring | 3 |
| (7) | 51H-20 | 法兰 | Flange | 3 |
| (8) | GB5783 M10×30 | 螺栓M10×30 | Bolt | 12 |
| (9) | GB1235 65×3.1 | O形圈65×3.1 | O-ring | 2 |
| (10) | GB5780 M10×55 | 螺栓M10×55 | Bolt | 2 |
| (11) | GB5781 M8×20 | 螺栓M8×20 | Bolt | 12 |
| (12) | GB93 8 | 弹垫8 | Spring washer | 12 |
| (13) | JH100 25I-2450 | 软管总成25I-2450 | Hose assembly | 1 |
| (14) | JB982 30 | 组合垫圈30 | Combined washer | 2 |
| (15) | JB982 27 | 组合垫圈27 | Combined washer | 2 |
| (16) | GB3452.2 43.7×3.55 | O形圈43.7×3.55 | O-ring | 1 |
| (17) | GB5783 M12×30 | 螺栓M12×30 | Bolt | 4 |
| (18) | JB3618.1 43~48 | 双钢丝卡箍43~48 | Clamp | 8 |
| (19) | GB5781 M10×40 | 螺栓M10×40 | Bolt | 1 |
| (20) | GB97.1 10 | 垫圈10 | Washer | 2 |
| (21) | GB93 10 | 弹垫10 | Spring washer | 48 |
| (22) | GB93 12 | 弹垫12 | Spring washer | 10 |
| (23) | GB5781 M12×25 | 螺栓M12×25 | Bolt | 2 |
| (24) | JB1000 M14×1.5 | 螺塞M14×1.5 | Plug screw | 1 |
| (25) | JB982 14 | 组合垫圈14 | Combined washer | 1 |
| (26) | GB5781 M10×20 | 螺栓M10×20 | Bolt | 3 |

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# 第79图 SL50W-3多路阀/工作泵管路

# FIG.79 MULTIPLE UNIT VALVE/WORK PUMP PIPING



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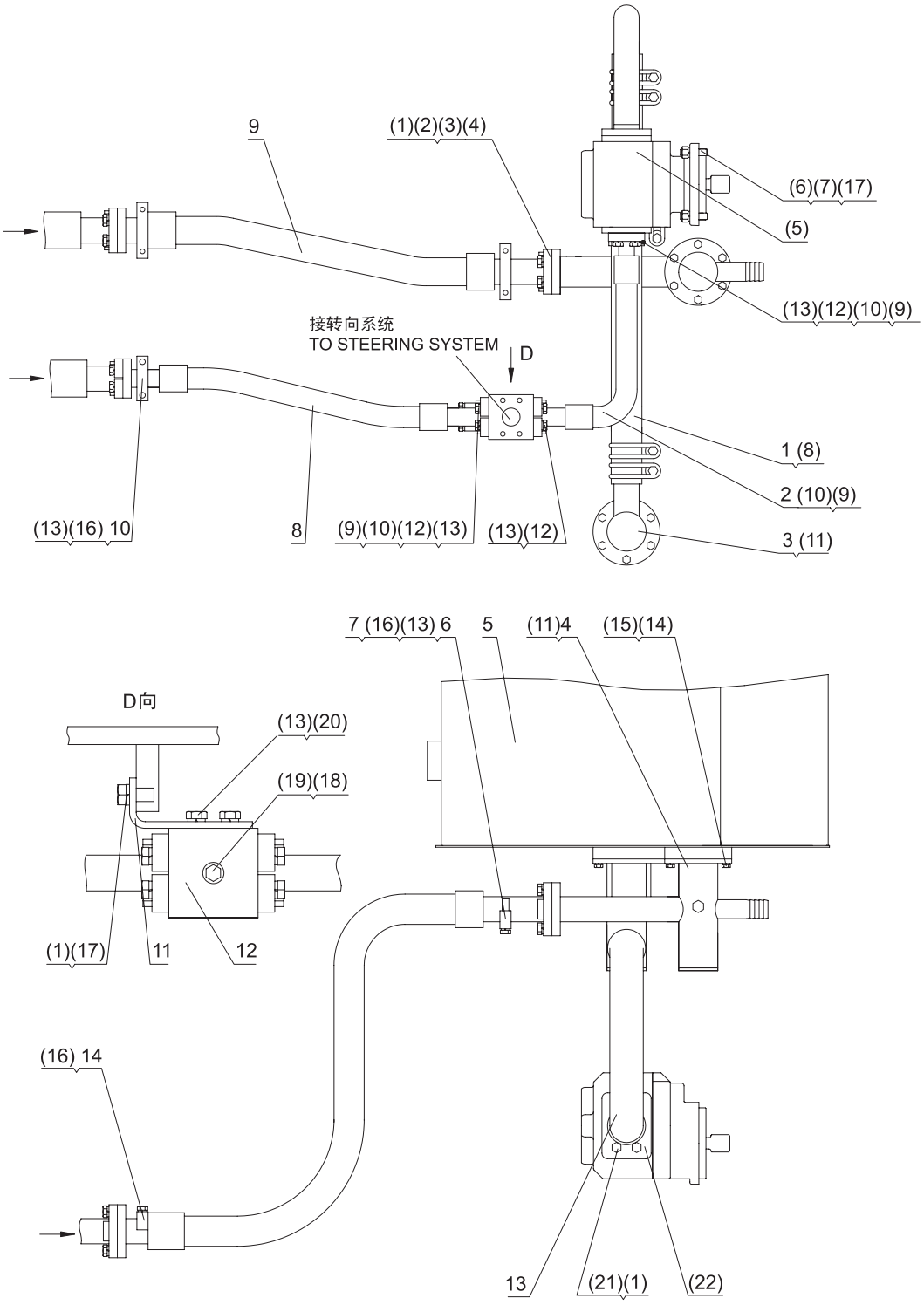
| 序号 NO. | 部件号 PART NO. | 零件名称 PART NAME | | 数量 Q'TY |
|---|---|---|---|---|
| 1 | DG956W II -05018 | 低压耐油胶管 | Hose | 1 |
| 2 | DG956W II -06007 | 工作泵出油管 | Oil–out tube,work pump | 1 |
| 3 | DG956W II -06008 | 吸油接头总成 | Suction joint assy. | 1 |
| 4 | DG956W II -06009 | 回油接头总成 | Oil return joint assy. | 1 |
| 5 | DG956W-06200 | 机油箱 | Engine oil tank | 1 |
| 6 | ZL50G2-06052B | 油管固定卡 II | Tube clip II | 1 |
| 7 | ZL50G2-06053 | 橡胶垫 | Rubber mat | 1 |
| 8 | ZL50G2-06025 | 工作阀进油管 II | Oil-in tube II ,work valve | 1 |
| 9 | ZL50G2-06026C | 工作阀回油管 I | Oil return tube I ,work valve | 1 |
| 10 | ZL50G2-06027B | 油管固定卡 | Tube clip | 1 |
| 11 | ZL50G2-06039 | 油路板固定板 | Fixed plate | 1 |
| 12 | ZL50G2-06040 | 油路板 | Oil board | 1 |
| 13 | DG956W II -06027 | 工作泵吸油接头 | Suction joint,work pump | 1 |
| 14 | ZL50G2-06024B | 油管固定卡 I | Tube clip I | 1 |

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# 第79图 SL50W-3多路阀/工作泵管路

# FIG.79 MULTIPLE UNIT VALVE/WORK PUMP PIPING



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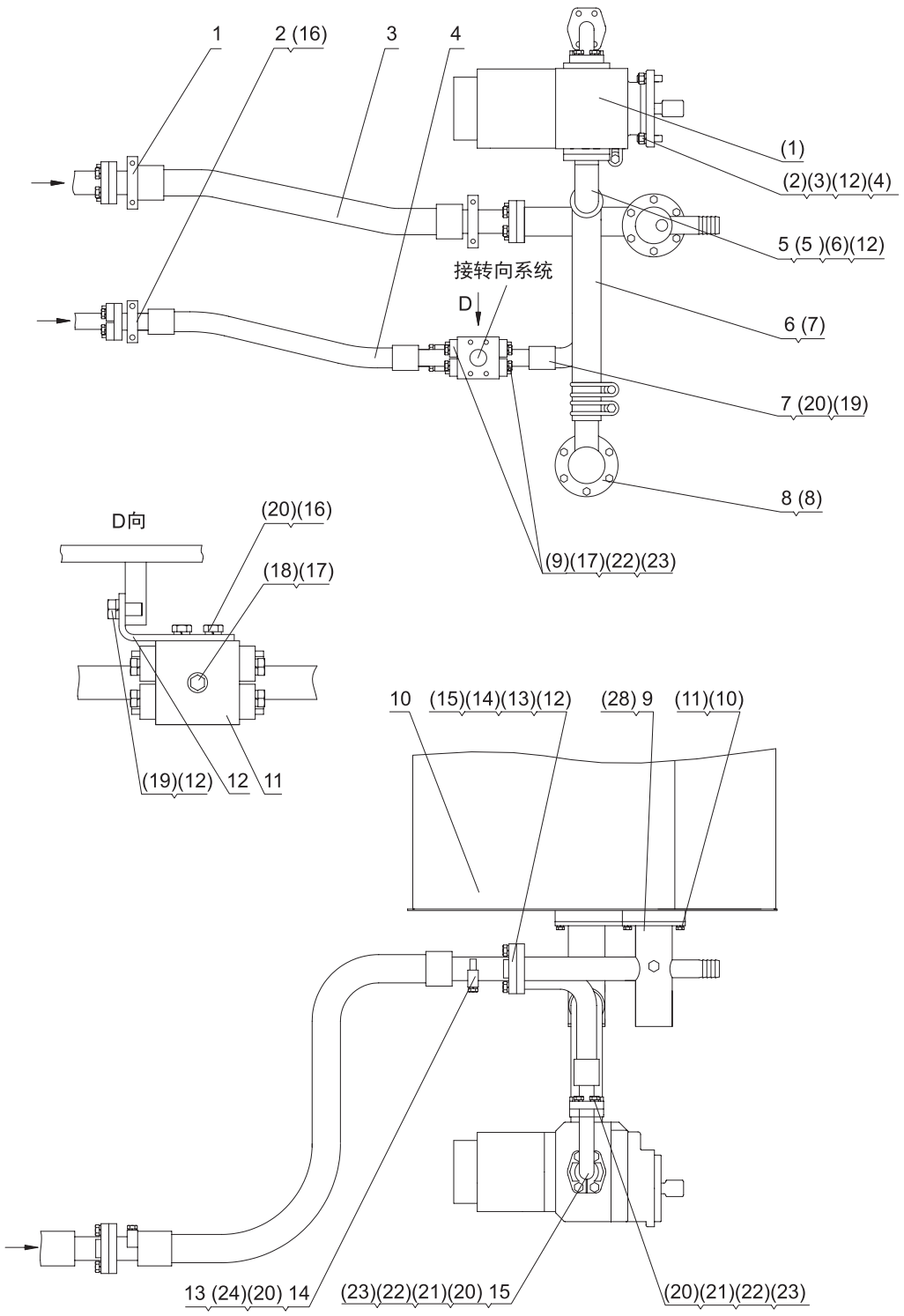
| 序号 NO. | 部件号 PART NO. | 零件名称 PART NAME | | 数量 Q'TY |
|---|---|---|---|---|
| (1) | GB93 12 | 弹垫12 | Spring washer | 14 |
| (2) | GB3452.2 47.5×3.55 | O形圈47.5×3.55 | O-ring | 1 |
| (3) | GB5783 M12×30 | 螺栓M12×30 | Bolt | 4 |
| (4) | 51H-24 | 法兰 | Flange | 1 |
| (5) | JHP3100C | 齿轮泵(右旋) | Gear pump | 1 |
| (6) | GB898 M12×65 | 螺柱M12×65 | Double-screw bolt | 4 |
| (7) | GB6170 M12 | 螺母M12 | Nut | 4 |
| (8) | JB3618.1 57~62 | 双钢丝卡箍57~62 | Clamp | 4 |
| (9) | GB3452.2 37.5×3.55 | O形圈37.5×3.55 | O-ring | 3 |
| (10) | 51H-20 | 法兰 | Flange | 3 |
| (11) | GB1235 65×3.1 | O形圈65×3.1 | O-ring | 2 |
| (12) | GB5783 M10×30 | 螺栓M10×30 | Bolt | 12 |
| (13) | GB97 10 | 弹垫10 | Spring washer | 20 |
| (14) | GB93 8 | 弹垫8 | Spring washer | 12 |
| (15) | GB5781 M8×20 | 螺栓M8×20 | Bolt | 12 |
| (16) | GB5780 M10×55 | 螺栓M10×55 | Bolt | 6 |
| (17) | GB5781 M12×25 | 螺栓M12×25 | Bolt | 2 |
| (18) | JB982 14 | 组合垫圈14 | Combined washer | 1 |
| (19) | JB1000 M14×1.5 | 螺塞M14×1.5 | Plug | 1 |
| (20) | GB5781 M10×20 | 螺栓M10×20 | Bolt | 2 |
| (21) | GB5783 M12×30 | 螺栓M12×30 | Bolt | 4 |
| (22) | GB3452.2 43.7×3.55 | O形圈43.7×3.55 | O-ring | 1 |

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# 第80图 SL50W-3多路阀/工作泵管路(先导)

# FIG.80 MULTIPLE UNIT VALVE/WORK PUMP PIPING(PILOT)



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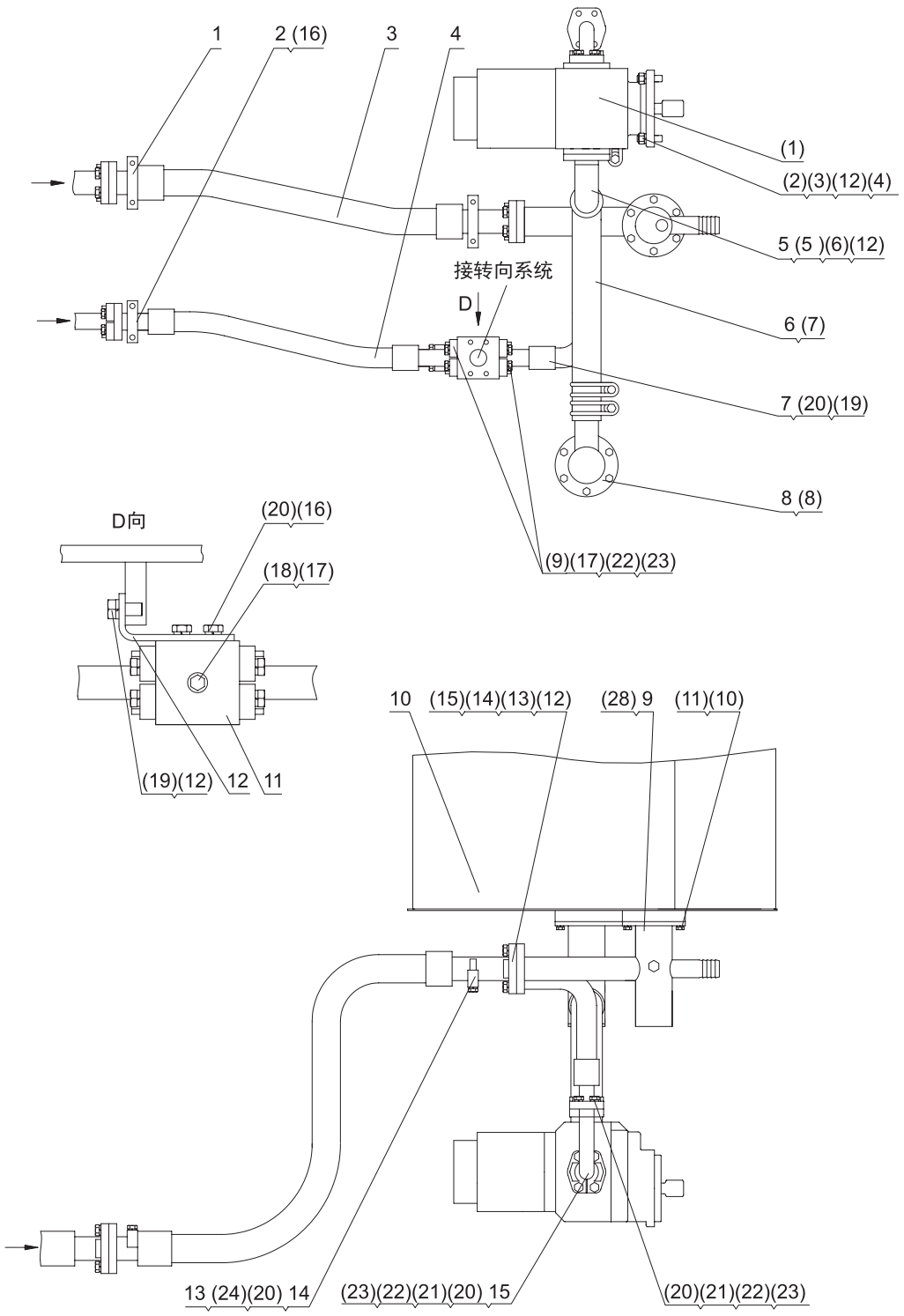
| 序号 NO. | 部件号 PART NO. | 零件名称 PART NAME | | 数量 Q'TY |
|---|---|---|---|---|
| 1 | ZL50G2-06024B | 油管固定卡Ⅰ | Tube clip Ⅰ | 1 |
| 2 | ZL50G2-06027B | 油管固定卡 | Tube clip | 1 |
| 3 | ZL50G2-06026C | 工作阀回油管Ⅰ | Oil return tube Ⅰ ,work valve | 1 |
| 4 | ZL50G2-06025 | 工作阀进油管Ⅱ | Oil-in tube Ⅱ ,work valve | 1 |
| 5 | DG956WⅢ-06046 | 工作泵吸油接头 | Suction joint,work pump | 1 |
| 6 | DG956WⅢ-06020A | 低压耐油胶管 | Hose | 1 |
| 7 | DG956WⅡ-06007 | 工作泵出油管 | Oil-out tube,work pump | 1 |
| 8 | DG956WⅡ-06008 | 吸油接头总成 | Suction joint assy. | 1 |
| 9 | ZL50G2-06022A | 回油接头总成 | Oil return joint assy. | 1 |
| 10 | DG956W-06200 | 机油箱 | Engine oil tank | 1 |
| 11 | ZL50G2-06040 | 油路板 | Oil board | 1 |
| 12 | ZL50G2-06039 | 油路板固定板 | Fixed board | 1 |
| 13 | ZL50G2-06053 | 橡胶垫 | Rubber mat | 1 |
| 14 | ZL50G2-06052 | 油管固定卡Ⅱ | Tube clip Ⅱ | 1 |
| 15 | DG956WⅢ-06054 | 工作泵出油管 | Oil-out tube,work pump | 1 |

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# 第80图 SL50W-3多路阀/工作泵管路(先导)

# FIG.80 MULTIPLE UNIT VALVE/WORK PUMP PIPING(PILOT)



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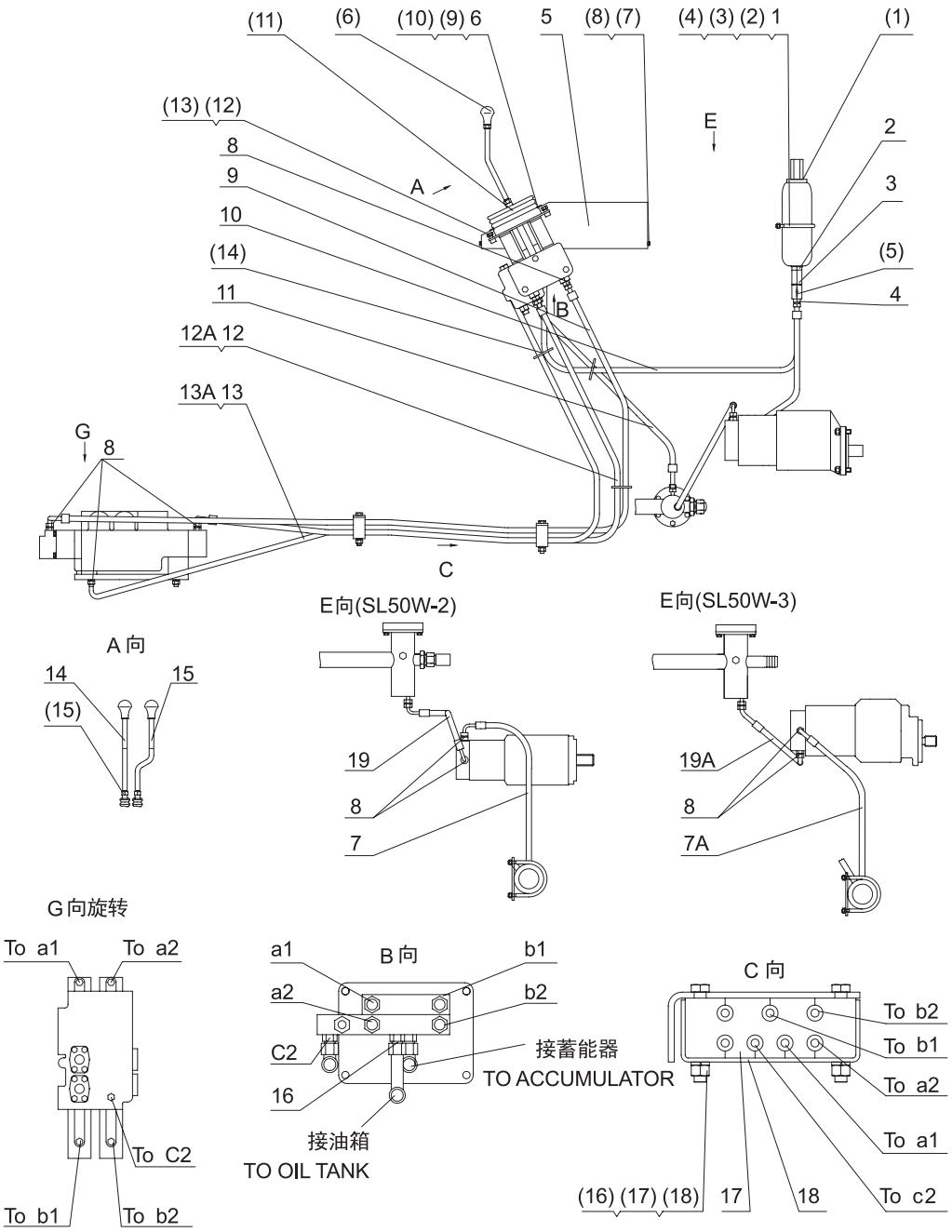
| 序号 NO. | 部件号 PART NO. | 零件名称 PART NAME | | 数量 Q'TY |
|---|---|---|---|---|
| (1) | CBGj3100/1010C-XF | 齿轮泵(右旋) | Gear pump | 1 |
| (2) | GB898 M12×65 | 螺柱M12×65 | Double-screw bolt | 4 |
| (3) | GB 6170 M12 | 螺母 M12 | Nut | 4 |
| (4) | GB 95 12 | 平垫12 | Washer | 4 |
| (5) | GB3452.2 43.7×3.55 | O形圈43.7×3.55 | O-ring | 1 |
| (6) | GB5783 M12×30 | 螺栓 M12×30 | Bolt | 4 |
| (7) | JB3618.1 57~62 | 双钢丝卡箍 57~62 | Clamp | 4 |
| (8) | GB1235 65×3.1 | O形圈65×3.1 | O-ring | 2 |
| (9) | GB5783 M10×30 | 螺栓M10×30 | Bolt | 8 |
| (10) | GB5781 M8×20 | 螺栓 M8×20 | Bolt | 12 |
| (11) | GB93 8 | 弹垫8 | Spring washer | 12 |
| (12) | GB93 12 | 弹垫12 | Spring washer | 14 |
| (13) | 51H-24 | 法兰 | Flange | 1 |
| (14) | GB3452.2 47.5×3.55 | O形圈47.5×3.55 | O-ring | 1 |
| (15) | B5783 M12×35 | 螺栓 M12×35 | Bolt | 4 |
| (16) | GB5781 M10×20 | 螺栓M10×20 | Bolt | 2 |
| (17) | JB982 14 | 组合垫圈 14 | Combined washer | 1 |
| (18) | JB1000 M14×1.5 | 螺塞 M14×1.5 | Plug | 1 |
| (19) | GB5781 M12×25 | 螺栓M12×25 | Bolt | 2 |
| (20) | GB97 10 | 弹垫10 | Spring washer | 24 |
| (21) | GB5783 M10×35 | 螺栓M10×35 | Bolt | 8 |
| (22) | 51H-20 | 法兰 | Bolt | 4 |
| (23) | GB3452.2 37.5×3.55 | O形圈37.5×3.55 | O-ring | 4 |
| (24) | GB5780 M10×55 | 螺栓 M10×55 | Bolt | 6 |

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# 第81图 先导阀管路

# FIG.81 PILOT VALVE PIPING



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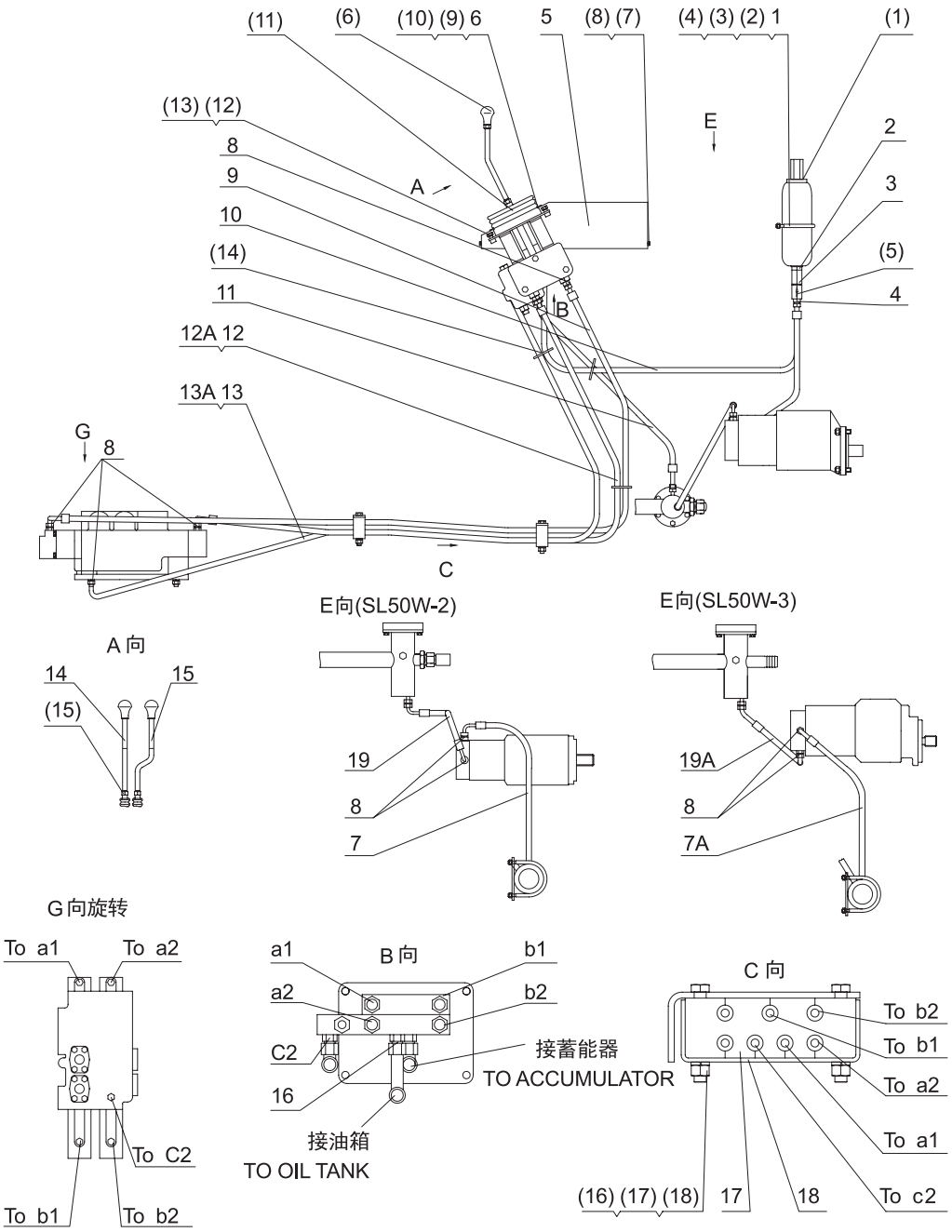
| 序号 NO. | 部件号 PART NO. | 零件名称 PART NAME | | 数量 Q'TY |
|---|---|---|---|---|
| 1 | ZL50G2-06010 | U形螺栓 | U-bolt | 1 |
| 2 | ZL50G2-06011 | 接头 | Joint | 1 |
| 3 | ZL50G2-06012 | 接头总成 | Joint assy. | 1 |
| 4 | ZL50G2-06013 | 接头 | Joint | 1 |
| 5 | ZL50G2-06008A | 上盖 | Up board | 1 |
| 6 | ZL50G2-06006A | 盖板 | Cover board | 1 |
| 7 | ZL50G3-06017 | 先导油管 | Pilot oil tube | 1 |
| 7A | DG956WIII-06017 | 先导油管 | Pilot oil tube | 1 |
| 8 | ZL50G2-06007 | 接头 | Joint | 14 |
| 9 | ZL50G2-06009 | 先导油管 | Pilot oil tube | 2 |
| 10 | ZL50G2-06016 | 先导油管 | Pilot oil tube | 1 |
| 11 | ZL50G2-06017 | 先导油管 | Pilot oil tube | 1 |
| 12 | ZL50G2-06019 | 先导油管(双手柄用) | Pilot oil tube(for double handle) | 2 |
| 12A | DG965-06019 | 先导油管(单手柄用) | Pilot oil tube(for single handle) | 2 |
| 13 | ZL50G2-06065 | 先导油管(双手柄用) | Pilot oil tube(for double handle) | 1 |
| 13A | DG965-06058 | 先导油管(单手柄用) | Pilot oil tube(for single handle) | 1 |
| 14 | ZL50G2-06014 | 举升操纵杆 | Lift lever | 1 |
| 15 | ZL50G2-06015 | 翻斗操纵杆 | Tipping lever | 1 |
| 16 | ZL50G2-06038 | 接头 | Joint | 1 |
| 17 | ZL50G2-06037 | 先导油管固定板 | Fixed board | 2 |
| 18 | ZL50G2-06036 | 压板 | Board | 2 |
| 19 | ZL50G3-06045 | 先导油管 | Poilt oil tube | 1 |
| 19A | DG956WIII-06045 | 先导油管 | Poilt oil tube | 1 |

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# 第81图 先导阀管路

# FIG.81 PILOT VALVE PIPING



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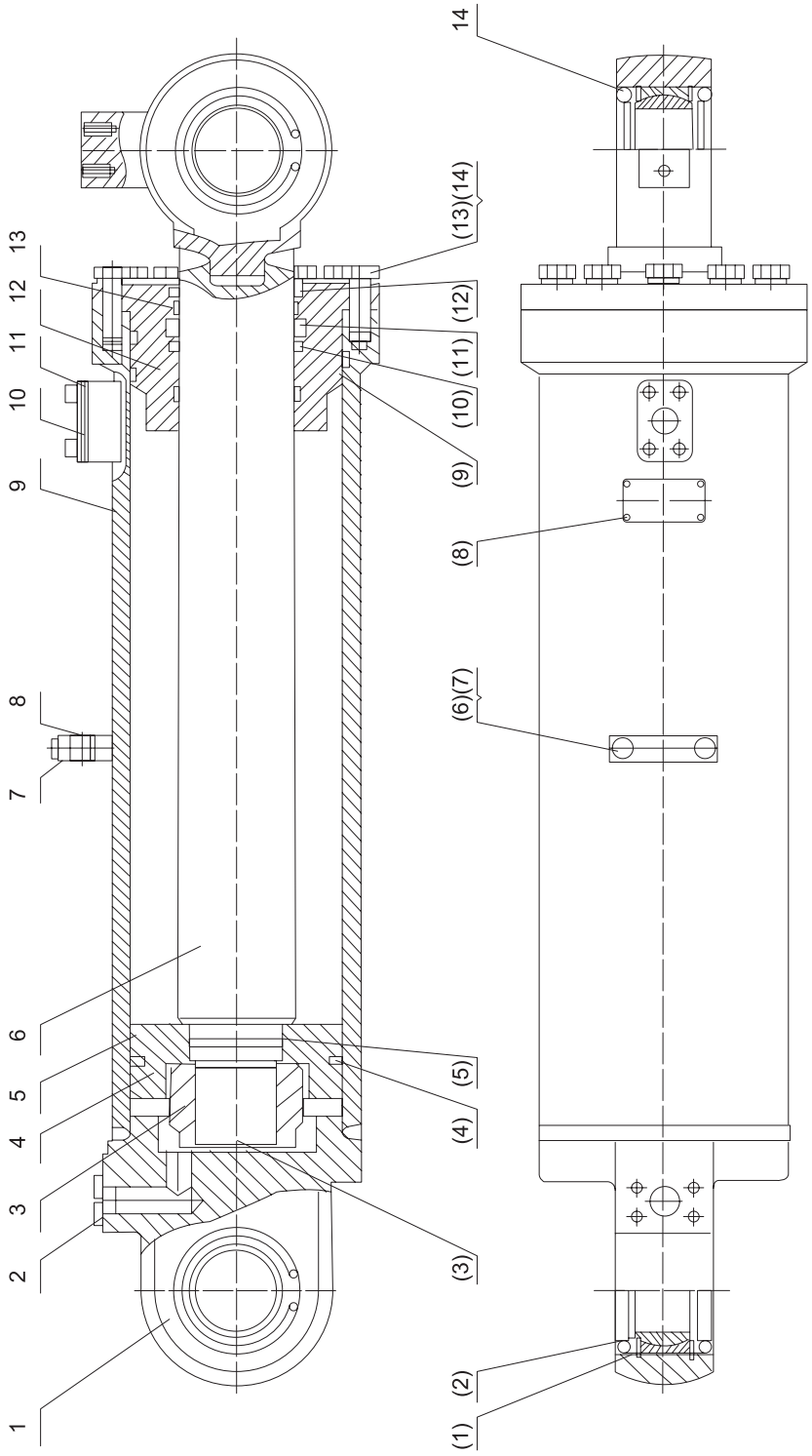
| 序号 NO. | 部件号 PART NO. | 零件名称 PART NAME | | 数量 Q'TY |
|---|---|---|---|---|
| (1) | NXQ1-L0.63/10-H | 囊式蓄能器 | Accmulator | 1 |
| (2) | GB6170 M8 | 螺母M8 | Nut | 2 |
| (3) | GB93 8 | 弹垫8 | Spring washer | 2 |
| (4) | GB95 8 | 平垫8 | Washer | 2 |
| (5) | DIF-L10H1 | 直通单向阀 | Straight check valve | 1 |
| (6) | LJ135M | 手柄球 | Handle ball | 2 |
| (7) | GB5781 M5×10 | 螺栓M5×10 | Bolt | 6 |
| (8) | GB95 5 | 平垫5 | Washer | 6 |
| (9) | GB67 M6×12 | 螺钉M6×12 | Screw | 4 |
| (10) | GB93 6 | 弹垫6 | Spring washer | 4 |
| (11) | DJS2-0.00 | 双手柄先导阀 | Double handle pilot valve | 1 |
| | DXS-00 | 单手柄先导阀 | Single handle pilot valve | 1 |
| (12) | GB5781 M10×20 | 螺栓M10×20 | Bolt | 4 |
| (13) | GB93 10 | 弹垫10 | Spring washer | 4 |
| (14) | D2900-20000 | 可松开式扎带200×8 | Clamp | 7 |
| (15) | GB6171 M12×1.25 | 螺母M12×1.25 | Nut | 2 |
| (16) | GB6170 M12 | 螺母M12 | Nut | 4 |
| (17) | GB93 12 | 弹垫12 | Spring washer | 4 |
| (18) | GB5780 M12×90 | 螺栓M12×90 | Bolt | 4 |

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# 第82图 翻斗油缸(370901)

# FIG.82 TIPPING CYLINDER



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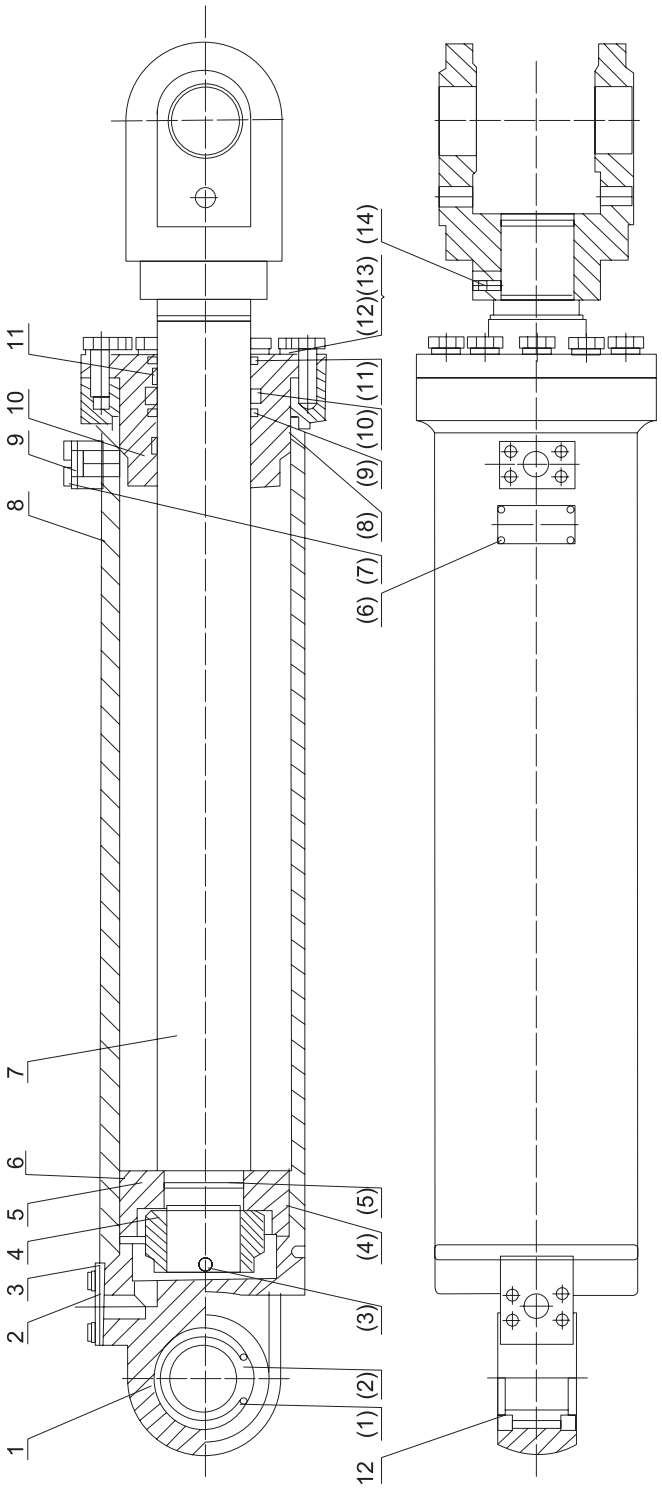
| 序号 NO. | 部件号 PART NO. | 零件名称 PART NAME | | 数量 Q'TY |
|---|---|---|---|---|
| 0 | DG958-06500 | 翻斗油缸 | Tipping cylinder | 1 |
| | DG956-06500A | 翻斗油缸(配长臂金刚) | Tipping cylinder(for long arm) | 1 |
| 1 | ZL50DG2.32.1 | 缸筒总成 | Cylinder assembly | 1 |
| 2 | ZL30QF.32-8 | 塑料塞 | Plastic plug | 2 |
| 3 | ZL50QD.32-1 | 槽型螺母 | Slotted nuts | 1 |
| 4 | ZL50QD.32-4 | 活塞 | Piston | 1 |
| 5 | ZL50QD.32-5 | 支承环 | Support ring | 2 |
| 6 | ZL50QD.32.2 | 活塞杆组件 | Piston rod componments | 1 |
| 7 | ZL50QD.32-3 | 压板 | Platen | 1 |
| 8 | ZL50QD.32-10 | 胶垫 | Pad | 1 |
| 9 | ZL50DG2.32-1 | 铭牌 | Nameplate | 1 |
| 10 | ZL30Y-024 | 油口保护盖 | Port protective cover | 2 |
| 11 | ZL50QD.31-6 | 橡胶垫 | Rubber pad | 2 |
| 12 | ZL50QD.32-2 | 导向套 | Guide sleeve | 1 |
| 13 | ZL50QD.32-6 | 支承环 | Support ring | 2 |
| 14 | FB80×120×13 | 内包骨架防尘 | Within the package skeleton dust | 4 |
| | | | | |
| (1) | GB893.1 120 | 孔用弹性挡圈120 | Hole circlip | 4 |
| (2) | GB304.5 GE80ES | 关节轴承GE80ES | Joint bearing | 2 |
| (3) | GB91 10×120 | 开口销10×120 | Cotter pin | 1 |
| (4) | 200×179×8.1 | 格莱圈D200 | Grameen circle | 1 |
| (5) | GB1235 90×3.1 | O形圈90×3.1 | ″O″ ring | 1 |
| (6) | GB93 10 | 弹垫10 | Spring washer | 2 |
| (7) | GB5782 M10×50 | 螺栓M10×50 | Bolt | 2 |
| (8) | GB867 2×4 | 铆钉2×4 | Rivet | 4 |
| (9) | GB1235 200×5.7 | O形圈200×5.7 | ″O″ ring | 2 |
| (10) | 110×125.1×6.3 | 斯特封D110 | Lancaster letters | 1 |
| (11) | B3B030P5008 | KY圈 | Ky ring | 1 |
| (12) | 110×126×7/9 | 防尘圈 | Dust ring | 1 |
| (13) | GB5783 M20×55 | 螺栓M20×55 | Bolt | 12 |
| (14) | GB93 20 | 弹垫20 | Spring washer | 12 |

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# 第83图 举升油缸(370901)

# FIG.83 LIFTING CYLINDER



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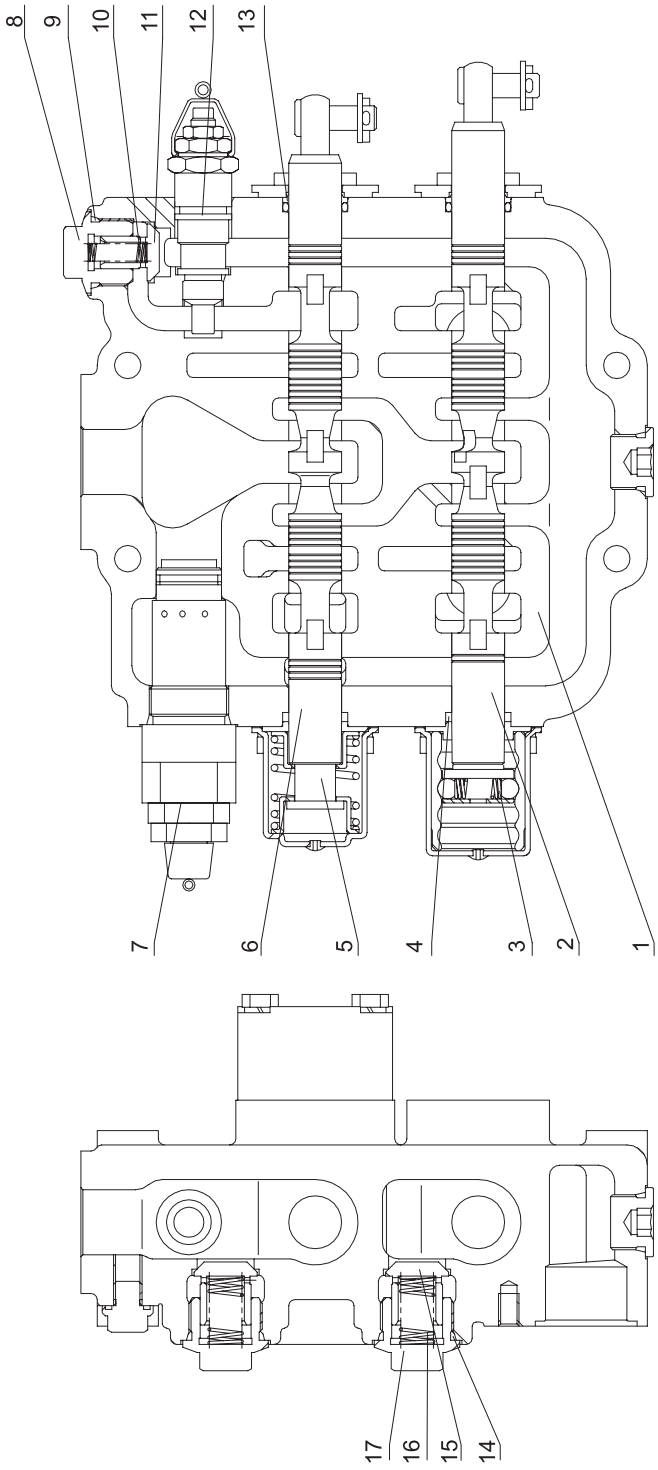
| 序号 NO. | 部件号 PART NO. | 零件名称 PART NAME | | 数量 Q'TY |
|---|---|---|---|---|
| 0 | DG958-06600 | 举升缸 | Lifting cylinder | 2 |
| | DG958-J06600 | 举升缸 | Lifting cylinder | 2 |
| | | (配加长臂和长臂金刚) | (for extend arm and long arm) | |
| 1 | ZL50DG2.31.1 | 缸筒总成 | Cylinder assembly | 1 |
| 2 | ZL50QD.31-6 | 橡胶垫 | Rubber pad | 2 |
| 3 | ZL30Y-024 | 盖板 | Cover plate | 2 |
| 4 | ZL50QF.31-1 | 槽形螺母 | Slotted nuts | 1 |
| 5 | ZL50QF.31-2 | 活塞 | Piston | 1 |
| 6 | ZL50QF.31-5 | 支承环 | Support ring | 2 |
| 7 | ZL50QF.31.2 | 活塞杆 | Piston rod | 1 |
| 8 | ZL50DG2.31-1 | 铭牌 | Nameplate | 1 |
| 9 | ZL30QF.32-8 | 塑料塞 | Plastic plug | 2 |
| 10 | ZL50QF.31-3 | 导向套 | Guide sleeve | 1 |
| 11 | ZL50QF.31-4 | 支承环 | Support ring | 2 |
| 12 | FB70×105×12 | 内包骨架防尘 | Within the package skeleton dust | 2 |
| | | | | |
| (1) | GB893.1 105 | 孔用弹性挡圈105 | Hole circlip | 2 |
| (2) | ZL50DG2.31A-01C | 复合套 | Bush | 1 |
| (3) | GB91 10×115 | 开口销10×115 | Cotter pin | 1 |
| (4) | 180×159×8.1 | 格莱圈D180 | Grameen circle | 1 |
| (5) | GB1235 80×3.1 | O形圈80×3.1 | ″O″ ring | 1 |
| (6) | GB867 2×4 | 铆钉2×4 | Rivet | 4 |
| (7) | GB5781 M10×20 | 螺栓M10×20 | Bolt | 4 |
| (8) | GB1235 180×5.7 | O形圈180×5.7 | ″O″ ring | 2 |
| (9) | 100×115.1×6.3 | 斯特封 | Lancaster letters | 1 |
| (10) | B3A020P500 | KY圈100×120×14.5 | Ky ring | 1 |
| (11) | 100×114×6/4 | 防尘圈 | Dust ring | 1 |
| (12) | GB5783 M20×50 | 螺栓M20×50 | Bolt | 12 |
| (13) | GB93 20 | 弹垫20 | Spring washer | 12 |
| (14) | GB79 M10×25 | 内六角螺钉M10×25 | Bolt | 1 |

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# 第84图 HDF32多路阀

# FIG.84 MULTIPLE UNIT VALVE



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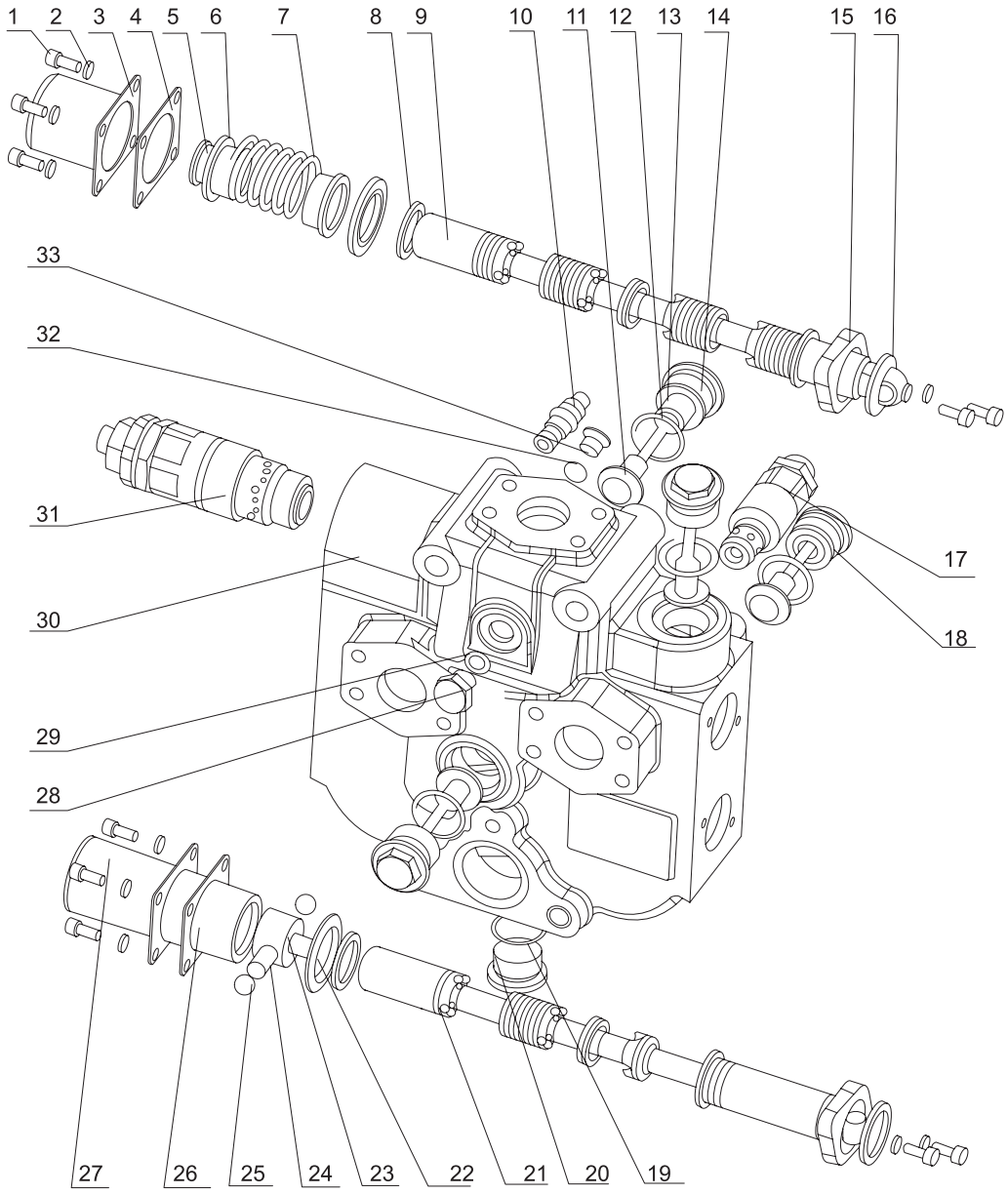
| 序号 NO. | 部件号 PART NO. | 零件名称 PART NAME | | 数量 Q'TY |
|---|---|---|---|---|
| 1 | HDF32-01C | 阀体 | Valve body | 1 |
| 2 | HDF32-02C | 动臂阀杆 | Valve rod, movable arm | 1 |
| 3 | HDF32-03 | 弹跳定位组件 | Bounce positioning module | 1 |
| 4 | 派克P26 25.7×3.5 | O形密封圈25.7×3.5 | O-seal ring | 4 |
| 5 | HDF32-04 | 弹簧复位组件 | Spring reposition module | 1 |
| 6 | HDF32-05C | 转斗阀杆 | Valve rod,tipping bucket | 1 |
| 7 | DFX32-09 | 安全阀组件 | Safety valve module | 1 |
| 8 | HDF25-06 | 单向阀盖 | Check-valve cover | 2 |
| 9 | GB1235 35×3.1 | O形密封圈35×3.1 | O-seal ring | 2 |
| 10 | HDF25-07 | 单向阀弹簧 | Check-valve spring | 2 |
| 11 | HDF25-08 | 单向阀 | Check-valve | 2 |
| 12 | YF08-11 | 过载阀组件 | Overload valve | 2 |
| 13 | HDF25-10 | 防尘圈 | Dustproof ring | 2 |
| 14 | GB1235 38×3.1 | O形密封圈38×3.1 | O-seal ring | 2 |
| 15 | HDF32-08 | 单向阀 | Check-valve | 2 |
| 16 | HDF32-07 | 单向阀弹簧 | Check-valve spring | 2 |
| 17 | HDF32-06 | 单向阀盖 | Check-valve cover | 2 |

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# 第85图 JDF32多路阀

# FIG.85 MULTIPLE UNIT VALVE



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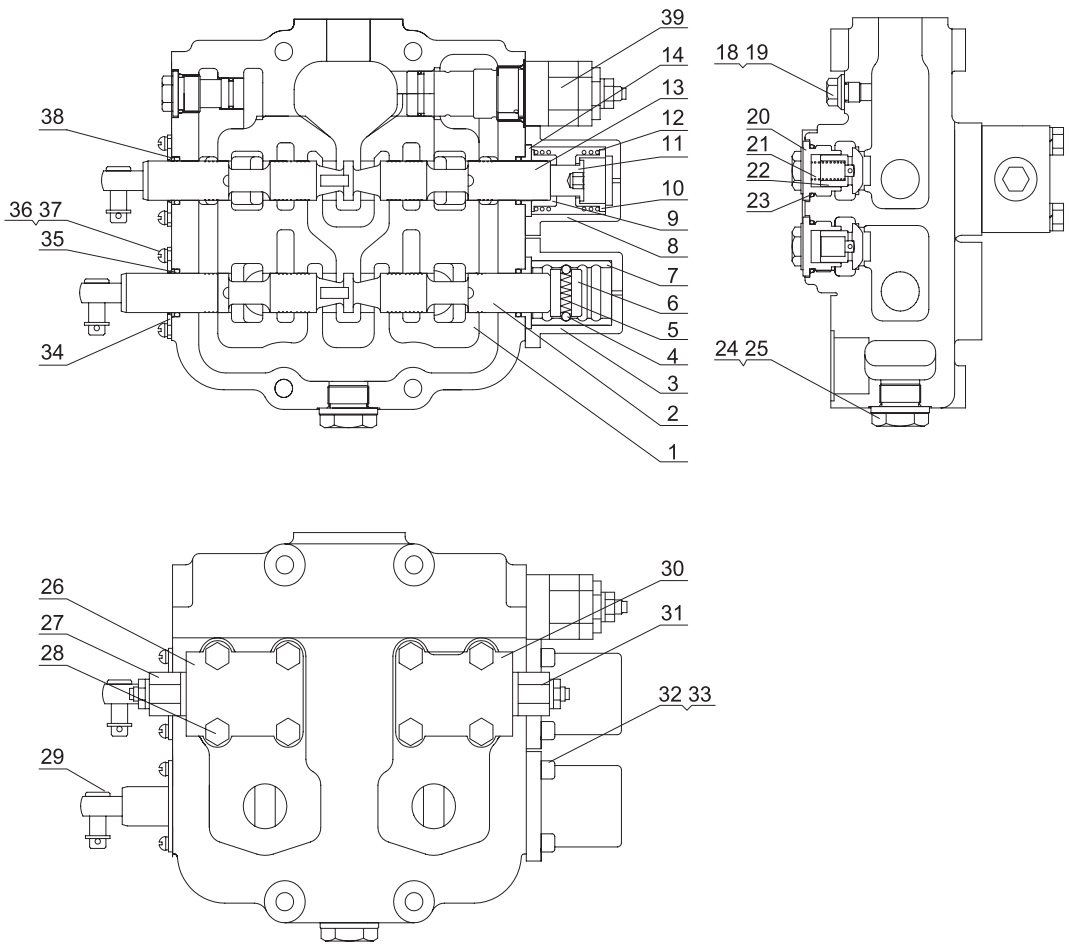
| 序号 NO. | 部件号 PART NO. | 零件名称 PART NAME | | 数量 Q'TY |
|---|---|---|---|---|
| 1 | 301-00029 | 螺钉M6×12 | Screw | 12 |
| 2 | 304-00030 | 弹垫6 | Spring washer | 12 |
| 3 | 210-00035 | 铲斗端盖 | Bucket end cover | 1 |
| 4 | 210-00039 | 纸垫 | Paper gasket | 2 |
| 5 | 210-00036 | 限位螺堵 | Limit plug | 1 |
| 6 | 210-00037 | 弹簧座 | Spring seat | 2 |
| 7 | 210-00038 | 回位弹簧 | Release spring | 1 |
| 8 | 210-00023 | 密封圈28×3.55 | Seal ring | 4 |
| 9 | 210-00072 | 铲斗阀杆 | Bucket valve rod | 1 |
| 10 | 360-00024 | 过载补油阀 | Overload slippage valve | 1 |
| 11 | 210-00009 | 单向阀芯 | Check- valve core | 4 |
| 12 | 310-00007 | O形圈30×2.65 | O-ring | 4 |
| 13 | 210-00008 | 弹簧 | Spring | 4 |
| 14 | 210-00006 | 单向阀座1 | Check- valve seat 1 | 1 |
| 15 | 210-00015 | 防尘圈座 | Dustband seat | 2 |
| 16 | 314-00022 | 防尘圈BH28×36×4.5/6 | Dustband | 2 |
| 17 | 360-00003 | 过载阀 | Overload valve | 1 |
| 18 | 210-00010 | 单向阀座2 | Check- valve seat 2 | 3 |
| 19 | 310-00021 | O形圈32×3.1 | O-ring | 1 |
| 20 | 210-00044 | 螺堵M30×1.5 | Plug | 1 |
| 21 | 210-00073 | 动臂阀杆 | Valve rod,movable arm | 1 |
| 22 | 210-00043 | 定位垫片 | Locating gasket | 2 |
| 23 | 210-00033 | 定位座 | Locating seat | 1 |
| 24 | 210-00032 | 定位弹簧 | Locating spring | 1 |
| 25 | 316-00034 | 钢球Φ11 | Steel ball | 2 |
| 26 | 210-00042 | 定位套 | Locating sleeve | 1 |
| 27 | 210-00031 | 动臂端盖 | End cover,movable arm | 1 |
| 28 | 210-00013 | 螺堵M14×1.5 | Plug | 2 |
| 29 | 310-00014 | O形圈6×2.4 | O-ring | 2 |
| 30 | 210-00068 | 阀体 | Valve body | 1 |
| 31 | 360-00011 | 安全阀 | Safety valve | 1 |
| 32 | 310-00047 | O形圈22×2.4 | O-ring | 2 |
| 33 | 210-00046 | 螺堵M20×1.5 | Plug | 2 |

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# 第86图 KF32多路阀

# FIG.86 MULTIPLE UNIT VALVE



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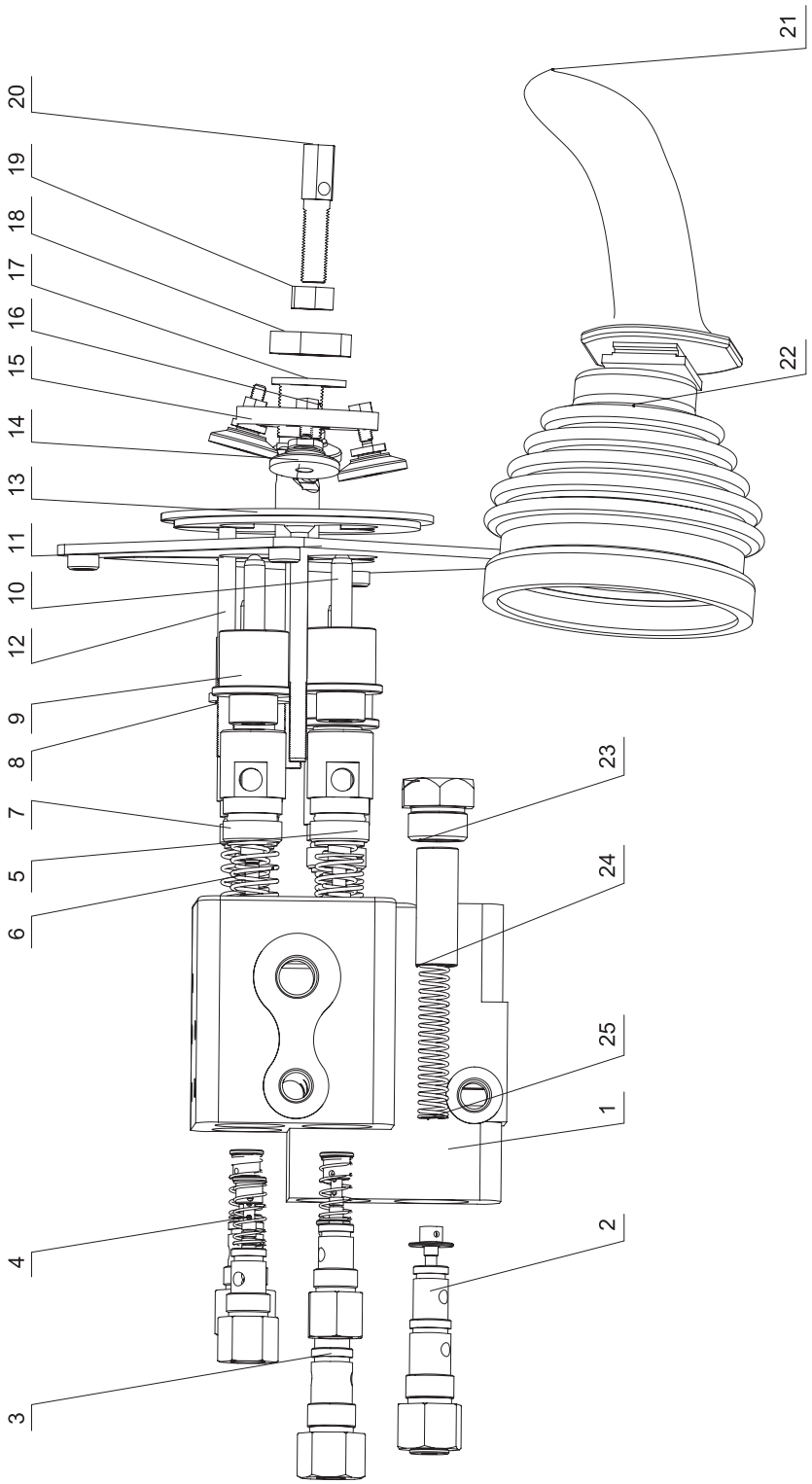
| 序号 NO. | 部件号 PART NO. | 零件名称 PART NAME | | 数量 Q'TY |
|---|---|---|---|---|
| 1 | SDK32.2-01 | 手动液压阀体 | Hydraulic valve | 1 |
| 2 | SDK32.2-03 | 手动动臂阀杆 | Valve lever,movable arm | 1 |
| 3 | SDK32.2-05-01 | 动臂端盖 | End cover,movable arm | 1 |
| 4 | GB308 Φ8 | 钢球Φ8 | Steel ball | 1 |
| 5 | D32-05-04 | 定位弹簧 | Locating spring | 1 |
| 6 | SDK32.2-05-03 | 定位柱 | Locating pillar | 1 |
| 7 | SDK32.2-05-02 | 定位套 | Locating sleeve | 1 |
| 8 | SDK32.2-04-01 | 收斗端盖 | Pivoted-bucket end cover | 1 |
| 9 | SDK32.2-04-02 | 右弹簧座 | Right spring seat | 1 |
| 10 | SDK32.2-04-03 | 左弹簧座 | Left spring seat | 1 |
| 11 | SDK25.2-04-04 | 限位柱 | Limited pillar | 1 |
| 12 | D32-04-04 | 复位弹簧 | Reposition spring | 1 |
| 13 | SDK32.2-02 | 手动转斗阀杆 | Rotating bucket valve lever | 1 |
| 14 | SDK32.2-06 | 定位压板 | Locating plate | 2 |
| 15 | GB1235 22×2.4 | 密封圈22×2.4 | Seal ring | 1 |
| 16 | GB1235 28×3.1 | 密封圈28×3.1 | Seal ring | 1 |
| 17 | K32.2-09 | 堵头 | End cap | 1 |
| 18 | DF32-08A | 小堵头 | Small end cap | 1 |
| 19 | GB1235 22×2.4 | 密封圈22×2.4 | Seal ring | 1 |
| 20 | K32.2-06-01 | 单向阀盖 | Check-valve cover | 2 |
| 21 | K32.2-06-02 | 单向阀弹簧 | Check-valve spring | 2 |
| 22 | K32.2-06-03 | 单向阀 | Check-valve | 2 |
| 23 | GB1235 38×3.5 | 密封圈38×3.5 | Seal ring | 2 |
| 24 | DF32-15 | 大堵塞 | Big plug | 1 |
| 25 | GB1235 40×3.1 | 密封圈40×3.1 | Seal ring | 1 |
| 26 | K32.2-07 | 前腔过载阀体 | Front cavity overload valve body | 1 |
| 27 | XDYF20-01 | 前腔过载阀 | Front cavity overload valve | 1 |
| 28 | DF32-14 | 高强度螺栓 | Bolt | 8 |
| 29 | DF32-13 | 销轴 | Pin roll | 2 |
| 30 | K32.2-08 | 后腔过载阀体 | Rear cavity overload valve body | 1 |
| 31 | YF08-03 | 后腔过载阀 | Rear cavity overload valve | 1 |
| 32 | GB827 M8×2 | 螺钉 M8×20 | screw | 8 |
| 33 | GB93 8 | 弹垫8 | Spring washer | 8 |
| 34 | GB1235 34×3.5 | 密封圈 34×3.5 | Seal ring | 4 |
| 35 | SDK32.2-09 | 防尘圈 | Dustband | 2 |
| 36 | GB67 M6×10 | 螺钉 M6×10 | Screw | 8 |
| 37 | GB93 6 | 弹垫6 | Spring washer | 8 |
| 38 | SDK32.2-10 | 前压板 | Front press plate | 2 |
| 39 | DF32-09 | 安全阀总成 | Safety valve assy. | 1 |

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# 第87图 DXS单手柄先导阀

# FIG.87 SINGLE HANDLE PILOT VALVE



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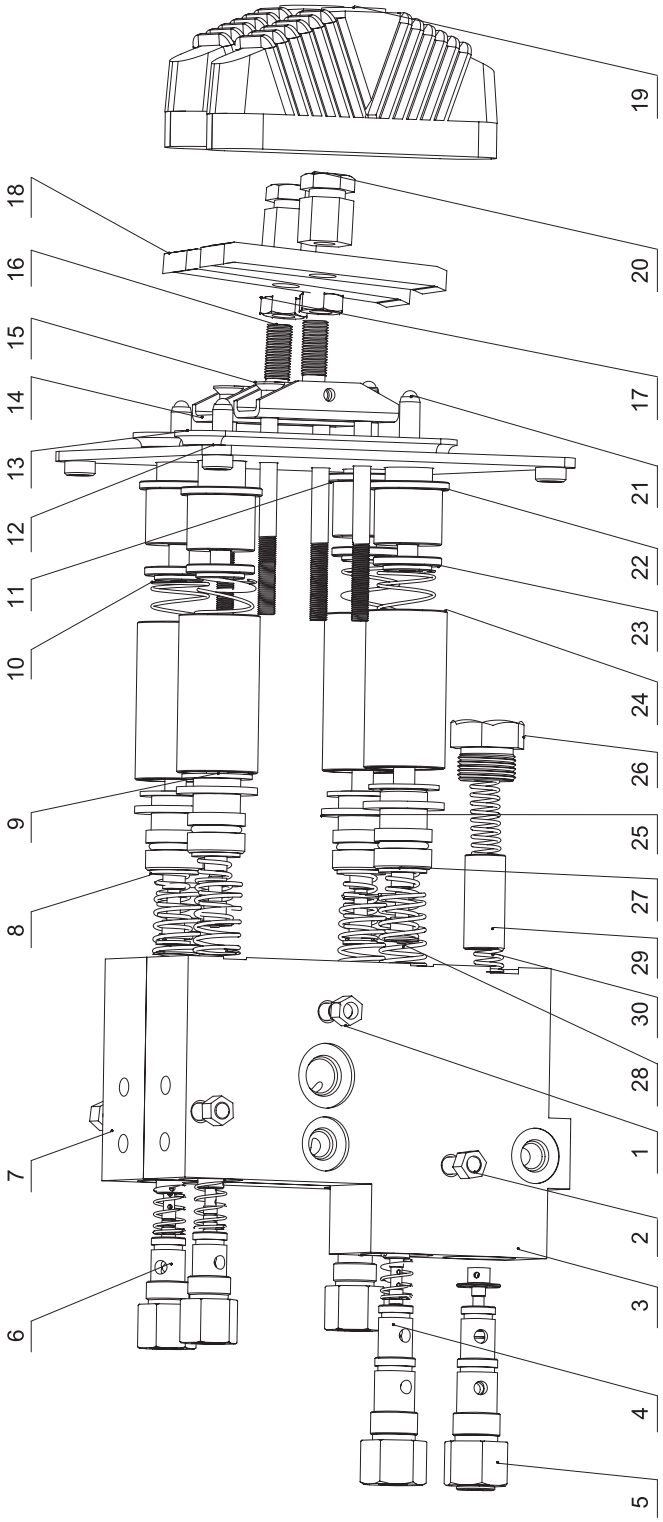
| 序号 NO. | 部件号 PART NO. | 零件名称 PART NAME | | 数量 Q'TY |
|---|---|---|---|---|
| 1 | DXS-08 | 阀体 | Valve body | 1 |
| 2 | DJS-2.05 | 顺序阀组 | Order manifolds | 1 |
| 3 | DJS-2.04 | 计量组件 II | Measure unit | 1 |
| 4 | DJS-1.04 | 计量组件 I | Measure unit | 3 |
| 5 | DXS-10 | 压杆组件 I | Strut components | 2 |
| 6 | DJS-1.03 | 弹簧 | Spring | 4 |
| 7 | DXS-12 | 压杆组件 II | Strut components | 2 |
| 8 | DXS-11 | 轴套 | Bush ring | 1 |
| 9 | DXS-13 | 电磁铁 | Electromagnet | 3 |
| 10 | DXS-05 | 压销组 | Pressure sales group | 4 |
| 11 | DXS-07 | 安装板组件 | Mounting plate unit | 1 |
| 12 | GB70.1 M8 | 螺钉M8 | Bolt | 4 |
| 13 | DXS-06 | 罩板 | Cover plate | 1 |
| 14 | DXS-03 | 压板组件 | Pressure plate unit | 4 |
| 15 | DXS-04 | 固定板 | Mount plate | 1 |
| 16 | GB6170 M6 | 螺母M6 | Nut | 4 |
| 17 | GB848 20 | 垫圈20 | Washer | 1 |
| 18 | GB6173 M20×1.5 | 螺母M20×1.5 | Nut | 1 |
| 19 | GB6170 M12 | 螺母M12 | Nut | 1 |
| 20 | DXS-02 | 手柄接头 | Handle joints | 1 |
| 21 | DXS-01 | 手柄组件 | Handle components | 1 |
| 22 | DXS-09a | 橡胶罩 | Rubber cover | 1 |
| 23 | DXS-16 | 螺塞 | Screw plug | 1 |
| 24 | DXS-17 | 导向套 | Guide sleeve | 1 |
| 25 | DJS-2.07a | 弹簧 | Spring | 1 |

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# 第88图 DJS双手柄先导阀

# FIG.88 DOUBLE HANDLE PILOT VALVE



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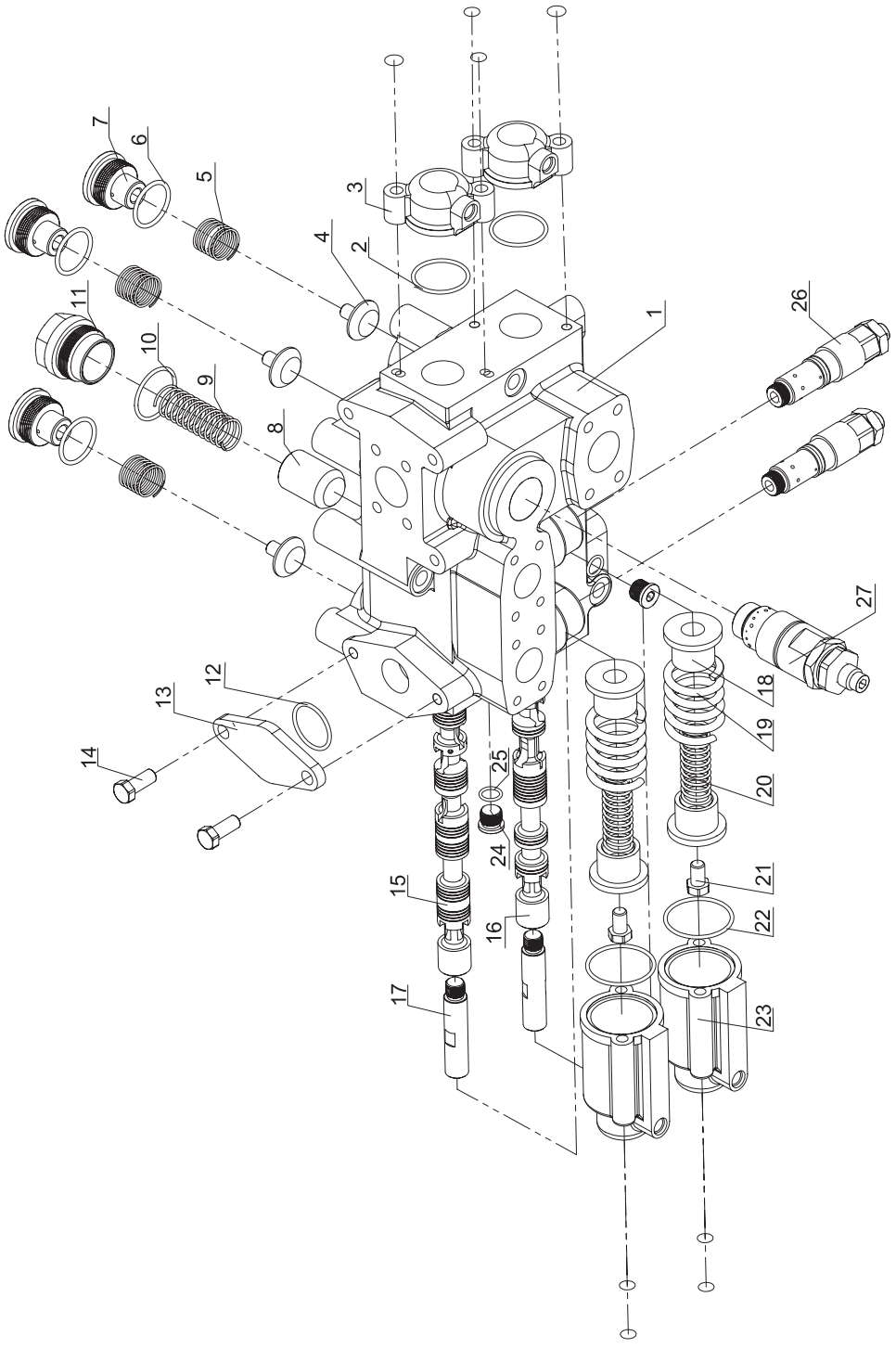
| 序号 NO. | 部件号 PART NO. | 零件名称 PART NAME | | 数量 Q'TY |
|---|---|---|---|---|
| 1 | GB6170 M8 | 螺母M8 | Nut | 6 |
| 2 | DJS-4.01 | 螺栓 | Bolt | 3 |
| 3 | DJS-2.02a | 提升阀体 | Lift valve | 1 |
| 4 | DJS-2.04 | 计量组件 II | Measure unit | 1 |
| 5 | DJS-2.05 | 顺序阀组 | Order manifolds | 1 |
| 6 | DJS-1.04 | 计量组件 I | Measure unit | 3 |
| 7 | DJS-1.06a | 转斗阀体 | Bucket valve body | 1 |
| 8 | DJS-1.02 | 压杆组件 | Strut components | 2 |
| 9 | DJS-5.11 | 垫圈 | Washer | 4 |
| 10 | DJS-5.10 | 弹簧 | Spring | 4 |
| 11 | DJS-5.12 | 轴套 | Bush ring | 1 |
| 12 | DJS-5.07 | 安装板组件 | Mounting plate unit | 1 |
| 13 | DJS-5.06 | 胶套座 | Rubber cover seat | 2 |
| 14 | DJS-5.14 | 支架 | Bracket | 2 |
| 15 | GB70.1 M8 | 螺钉M8 | Bolt | 4 |
| 16 | DJS-5.17 | 螺栓 | Bolt | 2 |
| 17 | DJS-5.16 | 螺母 | Nut | 2 |
| 18 | DJS-5.03 | 压条 | Layering | 2 |
| 19 | DJS-5.02 | 橡胶罩 | Rubber cover | 2 |
| 20 | DJS-5.01 | 螺母 | Nut | 2 |
| 21 | DJS-5.04 | 压销组 | Pressure sales group | 4 |
| 22 | DJS-5.18 | 电磁铁 | Electromagnet | 3 |
| 23 | DJS-5.08 | 压板 | Pressure plate | 4 |
| 24 | DJS-5.09 | 套筒 | Sleeve | 4 |
| 25 | DJS-1.01 | 垫圈 | Washer | 4 |
| 26 | DJS-2.01 | 螺塞 | Screw plug | 1 |
| 27 | DJS-2.03 | 阀杆组件 | Valve rod unit | 2 |
| 28 | DJS-1.03 | 弹簧 | Spring | 4 |
| 29 | DJS-2.06 | 导向套 | Guide sleeve | 1 |
| 30 | DJS-2.07a | 弹簧 | Spring | 1 |

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# 第89图 D32液控多路阀

# FIG.89 FIG. HYDRAULIC CONTROL MULTIPLE UNIT VALVE



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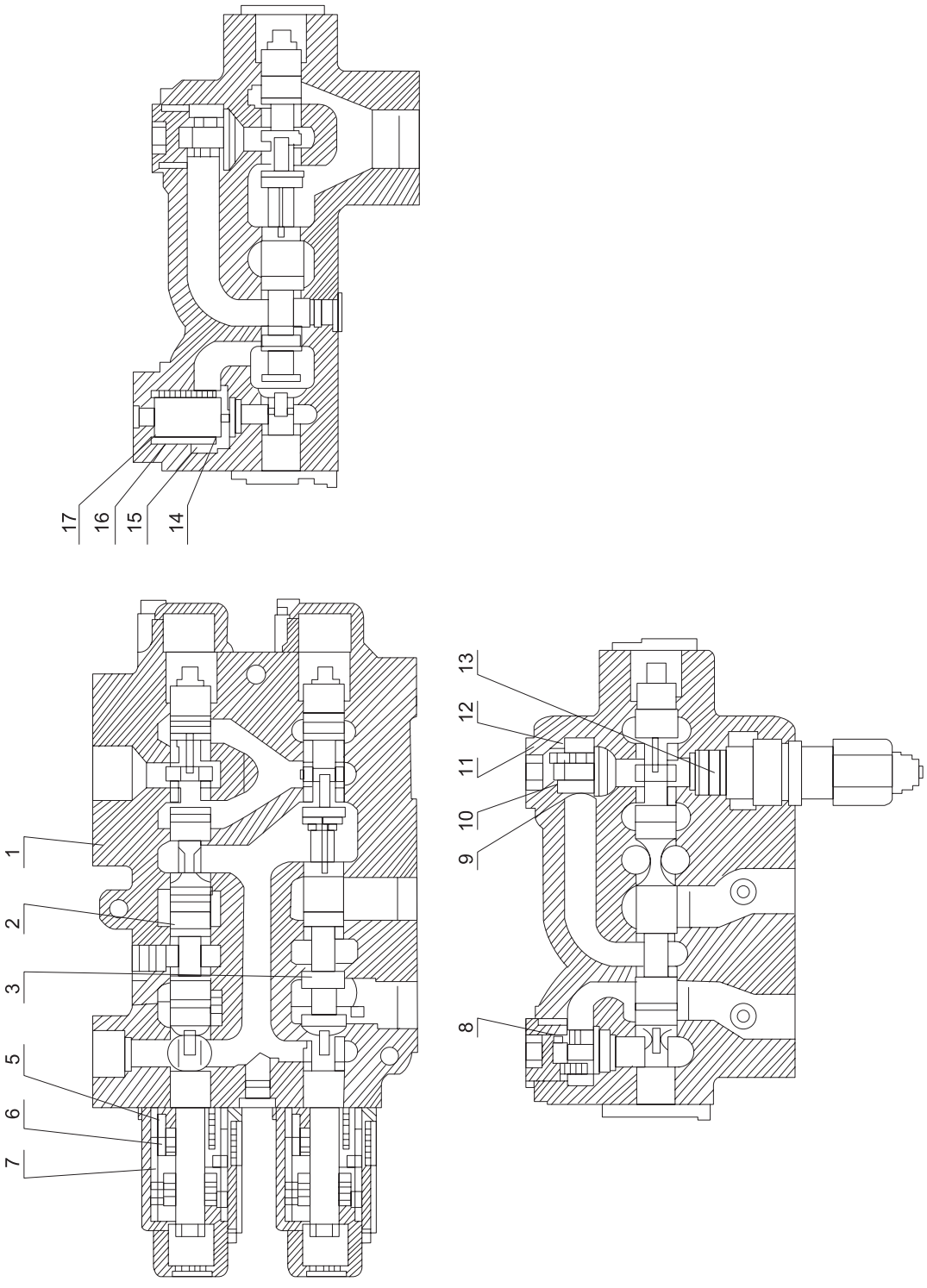
| 序号 NO. | 部件号 PART NO. | 零件名称 PART NAME | | 数量 Q'TY |
|---|---|---|---|---|
| 1 | D32-4 | 阀体 | Valve body | 1 |
| 2 | GB1235 50×3.1 | O形密封圈50×3.1 | O-seal ring | 2 |
| 3 | D32-1 | 端盖 | End cover | 2 |
| 4 | D32-17 | 单向阀 | Check valve | 3 |
| 5 | D32-16 | 弹簧 | Spring | 3 |
| 6 | GB1235 44×3.5 | O形密封圈44×3.5 | O-seal ring | 3 |
| 7 | D32-19 | 阀盖 | Valve cover | 3 |
| 8 | D32-15 | 补油阀 | Slippage valve | 1 |
| 9 | D32-14 | 弹簧 | Spring | 1 |
| 10 | GB1235 50×3.1 | O形密封圈50×3.1 | O-seal ring | 1 |
| 11 | D32-13 | 补油阀盖 | Slippage valve cover | 1 |
| 12 | GB1235 45×3.1 | O形密封圈45×3.1 | O-seal ring | 1 |
| 13 | D32-11 | 盖板 | Cover board | 1 |
| 14 | GB5783 M20×30 | 螺栓M20×30 | Bolt | 2 |
| 15 | D32-12a | 转斗阀杆 | Rotating valve rod | 1 |
| 16 | D32-2a | 动臂阀杆 | Movable arm valve rod | 1 |
| 17 | D32-21 | 阀杆接头 | Valve rod joint | 2 |
| 18 | D32-6 | 弹簧座 | Spring base | 4 |
| 19 | D32-8 | 弹簧 | Spring | 2 |
| 20 | D32-7 | 弹簧 | Spring | 2 |
| 21 | GB5783 M20×20 | 螺栓 M20×20 | Bolt | 2 |
| 22 | GB1235 60×3.1 | O形密封圈60×3.1 | O-seal ring | 2 |
| 23 | D32-5 | 端盖 | End cover | 2 |
| 24 | D32-3 | 螺塞 | Plug screw | 2 |
| 25 | GB1235 20×2.4 | O形密封圈20×2.4 | O-seal ring | 2 |
| 26 | YF08-11-00-19 | 过载阀 | Overload valve | 2 |
| 27 | D32.2a-00-17 | 安全阀 | Safety valve | 1 |

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# 第90图 YDF32液控多路阀

# FIG.90 HYDRAULIC CONTROL MULTIPLE UNIT VALVE



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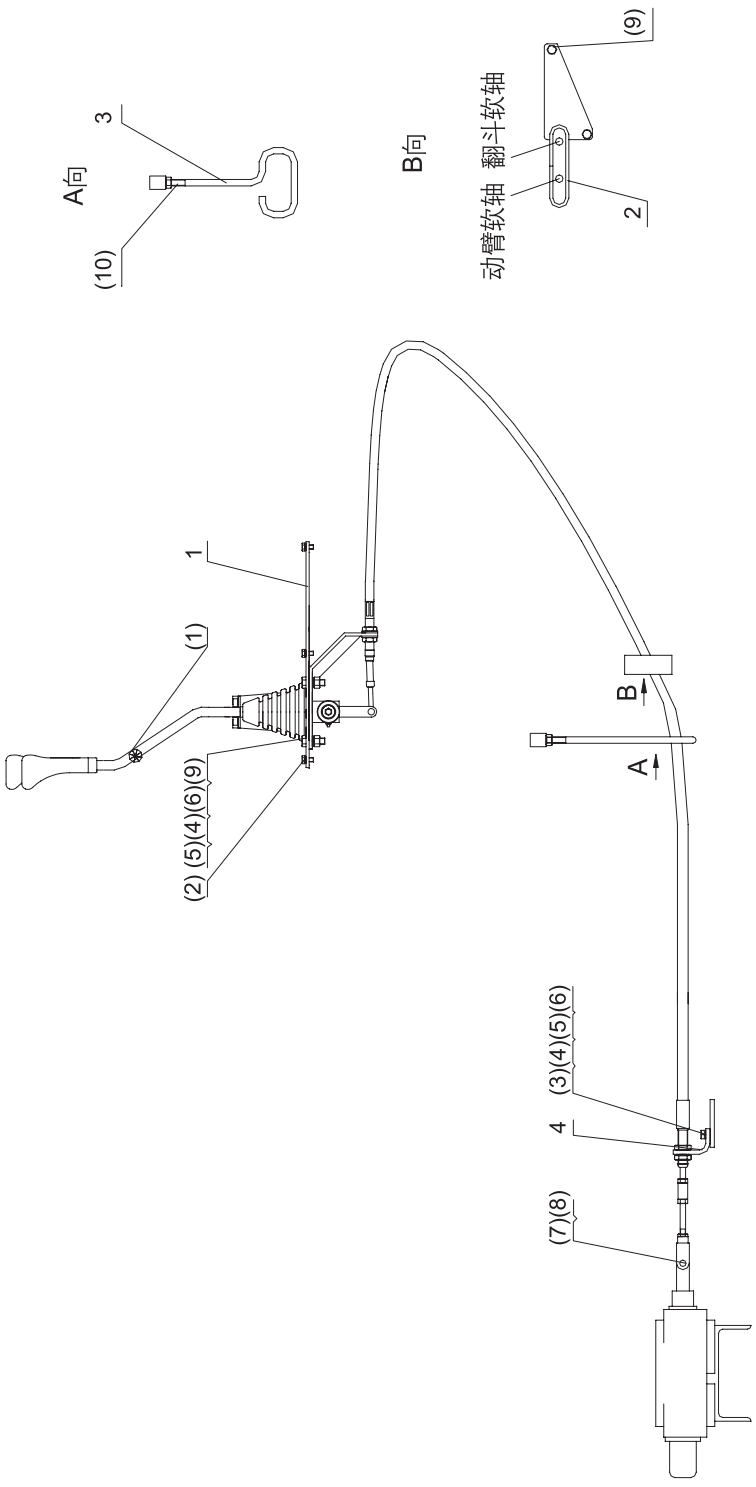
| 序号 NO. | 部件号 PART NO. | 零件名称 PART NAME | | 数量 Q'TY |
|---|---|---|---|---|
| 1 | CAT-YDF32.2-01 | 阀体 | Valve body | 1 |
| 2 | CAT-YDF32.2-02 | 翻斗阀杆 | Skip bucket valve rod | 1 |
| 3 | CAT-YDF32.2-03 | 动臂阀杆 | Movable arm valve rod | 1 |
| 4 | CAT-YDF32.2-04 | 矩形密封圈 | Rectangle gasket ring | 2 |
| 5 | CAT-YDF32.2-05 | 复位弹簧 | Return spring | 2 |
| 6 | CAT-YDF32.2-06 | 弹簧 | Spring | 2 |
| 7 | CAT-YDF32.2-07 | 大端盖 | Big end cap | 2 |
| 8 | CAT-YDF32.2-14 | 轴承 | Bearing | 3 |
| 9 | CAT-YDF32.2-15 | 弹簧 | Spring | 3 |
| 10 | CAT-YDF32.2-16 | 阀芯 | Spool | 3 |
| 11 | CAT-YDF32.2-17 | 堵头 | End cap | 3 |
| 12 | GB1235 52×3.1 | O形密封圈52×3.1 | O-seal ring | 3 |
| 13 | CAT-YDF32.2-19 | 安全阀组件 | Safety valve unit | 1 |
| 14 | CAT-YDF32.2-20 | 阀芯 | Spool | 1 |
| 15 | CAT-YDF32.2-21 | 弹簧 | Spring | 1 |
| 16 | GB1235 58×3.1 | O形密封圈58×3.1 | O-seal ring | 1 |
| 17 | CAT-YDF32.2-23 | 堵头 | End cap | 1 |

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# 第91图 工作阀操纵系统

# FIG.91 WORK VALVE CONTROL SYSTEM



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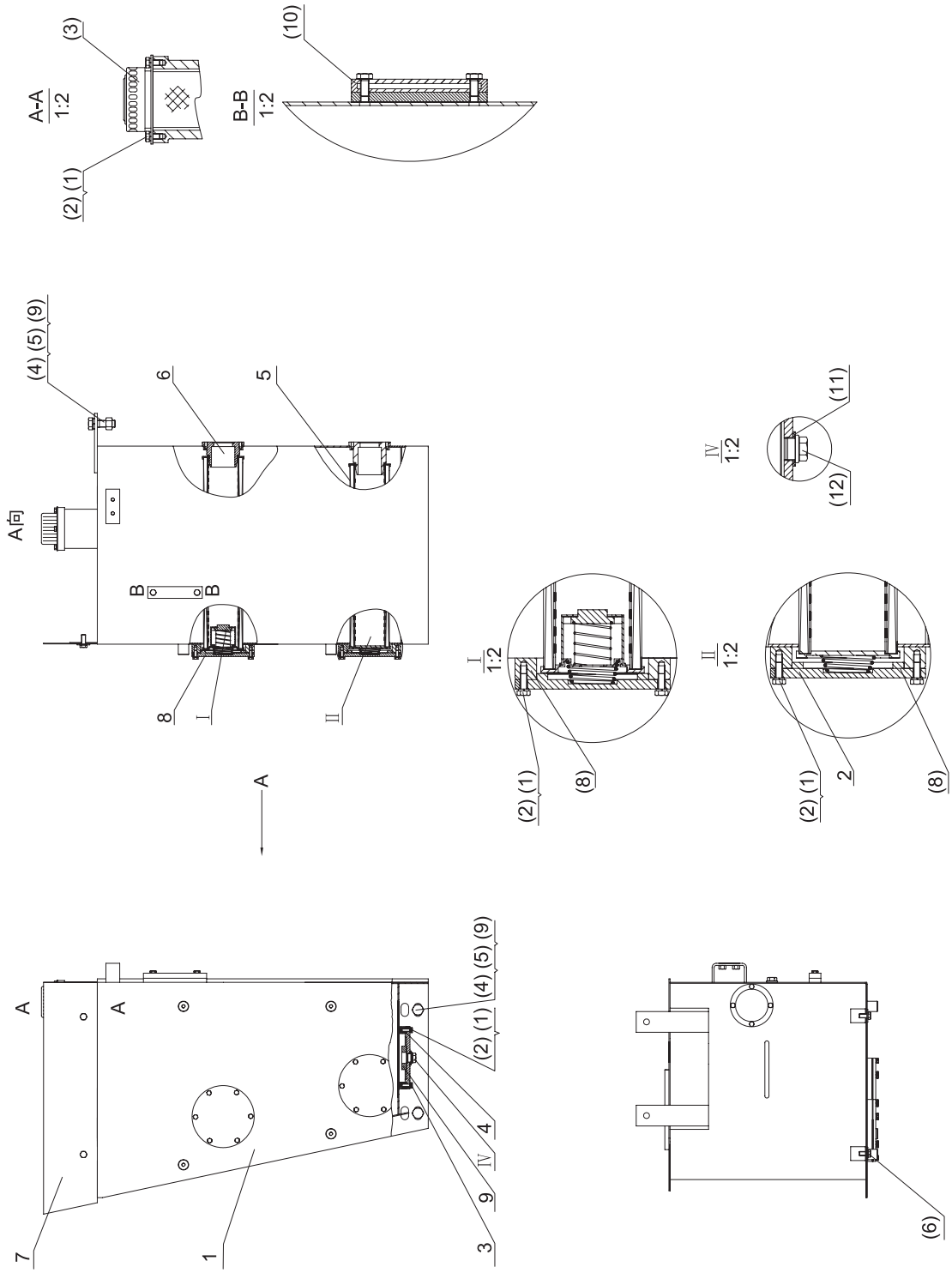
| 序号 NO. | 部件号 PART NO. | 零件名称 PART NAME | | 数量 Q'TY |
|---|---|---|---|---|
| 1 | ZL50FIII-06101B | 操纵杆支座 | Control rod bracket | 1 |
| 2 | ZL50FIII-06122 | 软轴固定套 | Flexible shaft fixed sleeve | 1 |
| 3 | ZL50FIII-06123B | 软轴吊环 | Flexible shaft flying ring | 1 |
| 4 | ZL50FIII-06115A | 支架 | Bracket | 2 |
| (1) | WJ10-12-59 | 操纵软轴总成(带手柄) | Flexible shaft assy.(with handle) | 1 |
| (2) | GB5787 M8×20 | 螺栓 M8×20 | Bolt | 6 |
| (3) | GB5787 M10×40 | 螺栓 M10×40 | Bolt | 4 |
| (4) | GB6170 M10 | 螺母M10 | Nut | 8 |
| (5) | GB95 10 | 平垫10 | Flat washer | 8 |
| (6) | GB93 10 | 弹垫10 | Spring washer | 8 |
| (7) | GB95 12 | 平垫12 | Flat washer | 2 |
| (8) | GB91 2×30 | 开口销2×30 | Cotter pin | 2 |
| (9) | GB5787 M10×35 | 螺栓 M10×35 | Bolt | 6 |
| (10) | GB6170 M12 | 螺母M12 | Nut | 1 |

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# 第92图 机油箱总成

# FIG.92 ENGINE TANK ASSEMBLY



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| 序号 NO. | 部件号 PART NO. | 零件名称 PART NAME | | 数量 Q'TY |
|---|---|---|---|---|
| 0 | DG956W-06200 | 机油箱总成 | Engine tank assy. | 1 |
| 1 | DG956W-06201 | 机油箱体 | Engine oil tank | 1 |
| 2 | ZL50G2-06202B | 滤网顶盖总1 | Screen assembly | 1 |
| 3 | ZL50G2-06204D | 法兰 | Flange | 1 |
| 4 | ZL50G2-06206B | 橡胶垫 | Rubber pad | 1 |
| 5 | YLX-53 | 吸油滤清器 | Oil suction filter | 1 |
| 6 | YLX-50 | 回油滤清器 | Return filter | 1 |
| 7 | ZL50G2-01207 | 挡板 | Baffle | 1 |
| 8 | ZL50G2-06211B | 滤网顶盖总成2 | Screen assembly | 1 |
| 9 | ZL30GII-01203 | 磁铁 | Magnet | 1 |
| (1) | GB93 8 | 弹垫8 | Spring washer | 22 |
| (2) | GB5783 M8×20 | 螺栓 M8×20 | Bolt | 22 |
| (3) | QL-10-00 | 加油滤清器 | Oil filling filter | 1 |
| (4) | GB5783 M20×40 | 螺栓 M20×40 | Bolt | 4 |
| (5) | GB93 20 | 弹垫20 | Spring washer | 4 |
| (6) | GB5787 M8×25 | 螺栓 M8×25 | Bolt | 2 |
| (8) | GB3452.1 136×3.55 | O形圈136×3.55 | O-ring | 2 |
| (9) | GB95 20 | 平垫20 | Flat washer | 4 |
| (10) | YWZ-127 | 液位计 | Level indicator | 1 |
| (11) | JB982 27 | 组合垫圈27 | Combined washer | 1 |
| (12) | JB1000 M27×2 | 螺塞 M27×2 | Plug screw | 1 |

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# 动 力 系 统

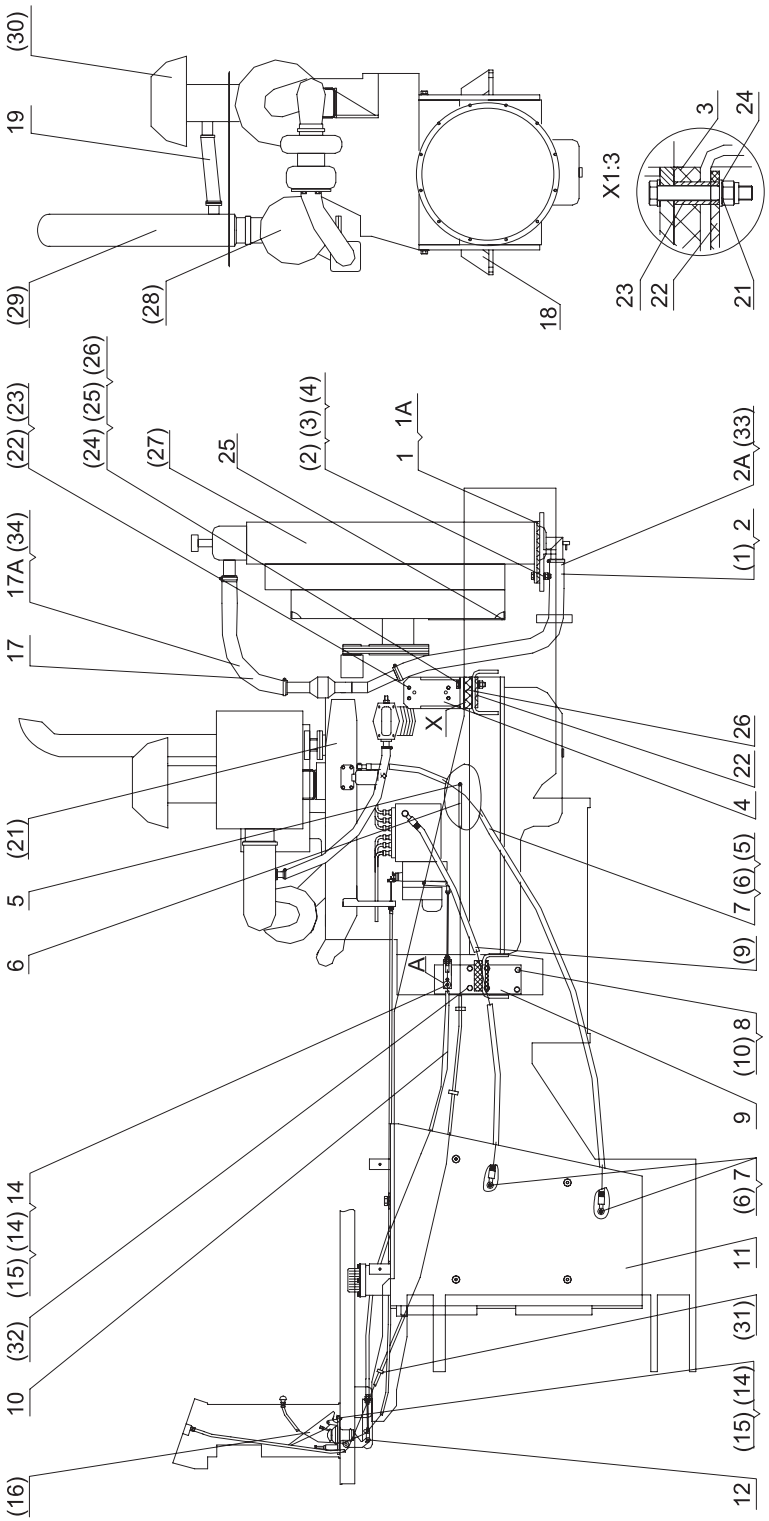
# POWER SYSTEM

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# 第93图 发动机装置(配潍柴发动机)

# FIG.93 ENGINE DEVICE(FOR WEICHAI ENGINE)




**注 意**

配大水箱时,使用件(33)、(34)。

When match big water tank,please use NO(33)、(34).

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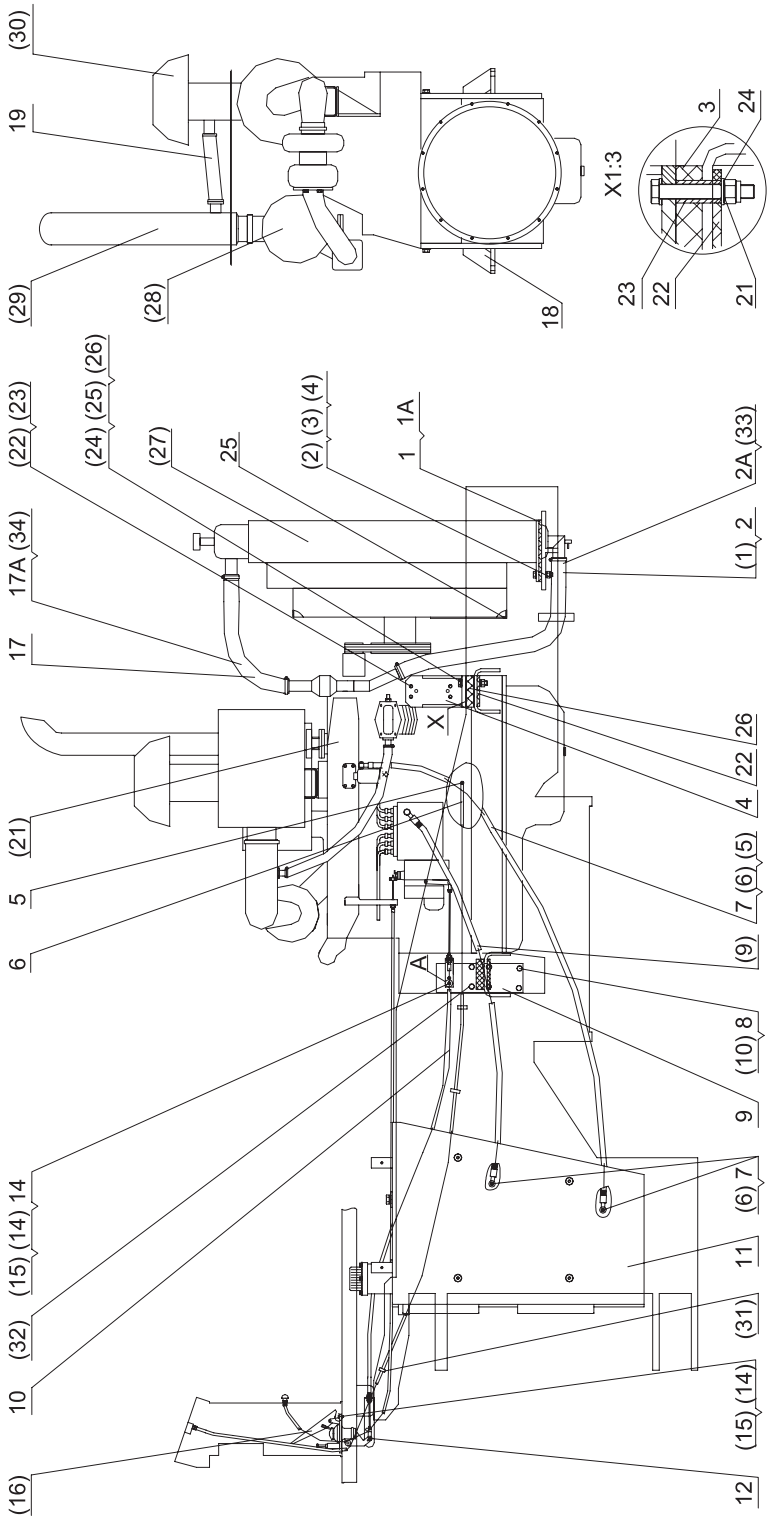
| 序号 NO. | 部件号 PART NO. | 零件名称 PART NAME | | 数量 Q'TY |
|---|---|---|---|---|
| 1 | ZL50G2-01002 | 水箱垫 | Water tank pad | 2 |
| 1A | DG956W II -01001 | 水箱垫(配ZL60GT-1C) | Water tank pad(forZL60GT-1C) | 2 |
| 2 | ZL50G3-01002 | 发动机进水管 | Engine inlet pipe | 1 |
| 2A | DG958-01003B | 发动机进水管(配ZL60GT-1C) | Engine inlet pipe(for ZL60GT-1C) | 1 |
| 3 | ZL50G2-01004 | 发动机减震垫 | Engine shock pad | 2 |
| 4 | ZL50G2-01005B | 发动机前支座 | Engine front bracket | 2 |
| 5 | ZL50G2-01006 | 管接头 | Tube pipe | 1 |
| 6 | DG956WI-01006 | 测压胶管 | Manometry hose | 1 |
| 7 | ZL50G2-01007 | 铰接螺栓 | Link bolt | 3 |
| 8 | ZL50G2-01013 | 螺栓 | Bolt | 8 |
| 9 | ZL50G3-01009A | 发动机左前支座 | Engine left-front bracket | 1 |
| 10 | ZL50G2-01009 | 油门软轴3000mm | Throttle flexible shaft | 1 |
| 11 | DG957-01200 | 燃油箱总成 | Fuel tank assy. | 1 |
| 14 | ZL50G3-01013 | 油门支架 | Throttle bracket | 1 |
| 17 | ZL50G2-01015 | 发动机出水管 $\phi$45×650 | Engine outlet pipe | 1 |
| 17A | DG958-01015B | 发动机出水管(配ZL60GT-1C) | Engine outlet pipe(for ZL60GT-1C) | 1 |
| 18 | ZL50G3-01017A | 发动机右后支座 | Engine right-rear bracket | 1 |
| 19 | ZL50G3-01018 | 联接管 | Connection hose | 1 |
| 21 | ZL50G2-01023 | 垫圈 | Washer | 4 |
| 22 | ZL50G2-01024 | 发动机减震垫 | Engine shock pad | 4 |
| 23 | ZL50G2-01025 | 支承套 | Support sleeve | 8 |
| 24 | ZL50G3-01025 | 垫圈 | Washer | 4 |
| 25 | DG958-01030 | 导风罩板(配ZL60GT-1C) | Baffle(for ZL60GT-1C) | 1 |
| 26 | ZL50G3-01027 | 发动机前减震垫 | Engine shock pad | 2 |

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# 第93图 发动机装置(配潍柴发动机)

# FIG.93 ENGINE DEVICE(FOR WEICHAI ENGINE)




**注 意**

配大水箱时,使用件(33)、(34)。

When match big water tank,please use NO(33)、(34).

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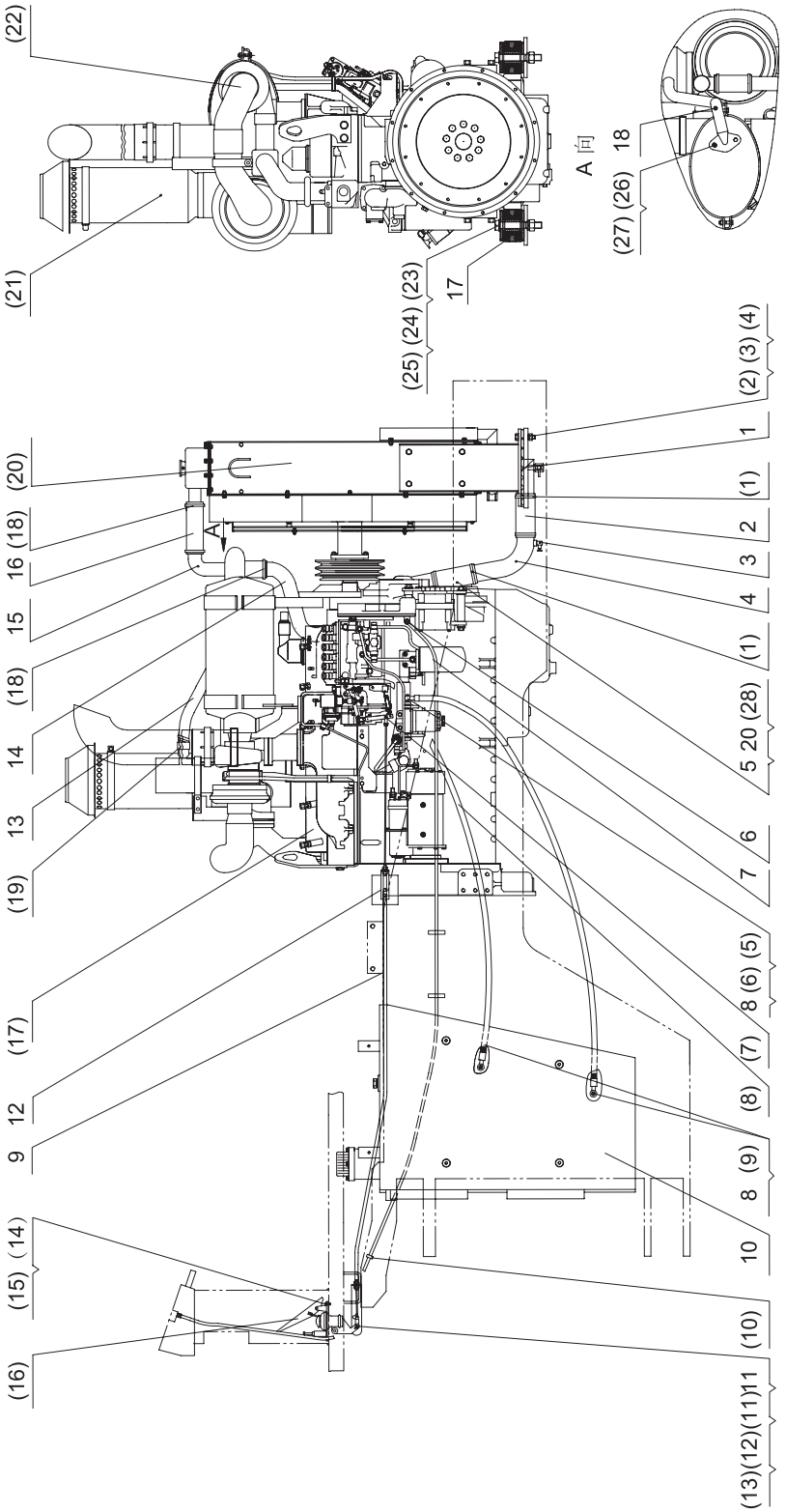
| 序号 NO. | 部件号 PART NO. | 零件名称 PART NAME | | 数量 Q'TY |
|---|---|---|---|---|
| (1) | JB3618.1 55～60 | 双钢丝卡箍55～60 | Clamp | 4 |
| (2) | GB5782 M14×70 | 螺栓M14×70 | Bolt | 4 |
| (3) | GB95 14 | 平垫14 | Flat washer | 4 |
| (4) | GB889 M14 | 螺母M14 | Nut | 4 |
| (5) | GB3452 10A-A-2100 | 输油胶管10A-A-2100 | Oil transfer hose | 1 |
| | GB3452 10A-A-2600 | 输油胶管10A-A-2600 (配WD10G220E21) | Oil transfer hose | 1 |
| (6) | JB982 14 | 组合垫圈14 | Combined washer | 6 |
| (9) | GB3452 10A-A-2100 | 输油胶管10A-A-2100 | Oil transfer hose | 1 |
| | GB3452 10A-A-2200 | 输油胶管10A-A-2200 (配WD10G220E21) | Oil transfer hose | 1 |
| (10) | GB93 14 | 弹垫14 | Spring washer | 8 |
| (14) | GB5781 M6×16 | 螺栓M6×16 | Bolt | 5 |
| (15) | GB93 6 | 弹垫6 | Spring washer | 5 |
| (16) | XZ(QZ)1129001 | 油门操作阀 | Throttle control valve | 1 |
| (21) | WD10G220E23 | 发动机 | Engine | 1 |
| | WD10G220E21 | 发动机(配WG180变速箱) | Engine(for WG180) | 1 |
| (22) | GB5783 M12×35 | 螺栓M12×35 | Bolt | 8 |
| (23) | GB93 12 | 弹垫12 | Spring washer | 8 |
| (24) | GB5782 M16×1.5×90 | 螺栓M16×1.5×90 | Bolt | 8 |
| (25) | GB95 16 | 平垫16 | Flat washer | 8 |
| (26) | GB889 M16×1.5 | 螺母M16×1.5 | Nut | 8 |
| (27) | DG50B | 水油结合散热器 | Water-oil combination radiator | 1 |
| | ZL60GT-1C | 水油结合散热器(大) | Water-oil combination radiator ( big) | 1 |
| (28) | WD10G220E23-xsq | 消声器 | Muffler | 1 |
| (29) | WD10G220E23-pqg | 排气管 | Exhaust pipe | 1 |
| (30) | WD10G220E23-klq | 空滤器 | Air filter | 1 |
| (31) | D2900-20000 | 可松开式扎带200×8 | Clamp | 3 |
| (32) | GB73 M14×1.5×12 | 顶丝 M14×1.5×12 | Screw | 4 |
| (33) | JB3618.1 75～80 | 双钢丝卡箍70～75 | Clamp | 1 |
| (34) | JB3618.1 60～65 | 双钢丝卡箍60～65 | Clamp | 1 |

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# 第94图 发动机装置(配上柴SC11CB220G2B1发动机)

# FIG.94 ENGINE DEVICE(FOR SHANGCHAI ENGINE)



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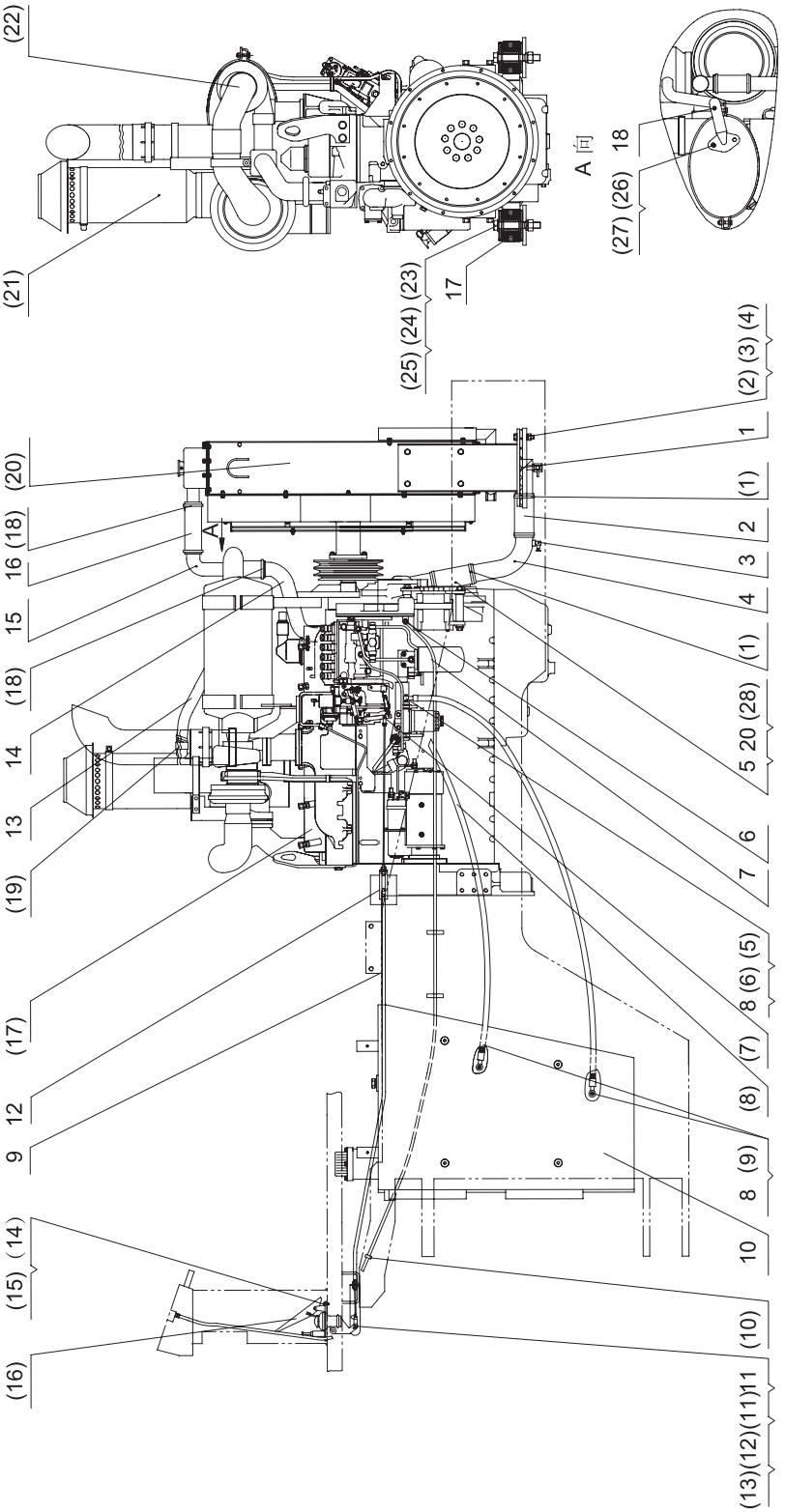
| 序号 NO. | 部件号 PART NO. | 零件名称 PART NAME | | 数量 Q'TY |
|---|---|---|---|---|
| 1 | DG956WⅡ-01001 | 水箱垫 | Water tank pad | 2 |
| 2 | DG956A-01002 | 发动机进水管Ⅰ Φ64-150 | Engine inlet hose | 1 |
| 3 | DG956A-01003 | 放水开关 | Water release switch | 1 |
| 4 | DG956A-01004 | 吸水钢管 | Suction water steel pipe | 1 |
| 5 | DG956A-01005 | 吸水胶管Ⅱ ϕ64-200 | Suction water steel pipe | 1 |
| 6 | ZL50G2-01006 | 管接头 | Pipe joint | 1 |
| 7 | DG956WI-01006 | 测压胶管 | Manometry hose | 1 |
| 8 | ZL50G2-01007 | 铰接螺栓 | Joint bolt | 1 |
| 9 | DG956A-01009 | 油门软轴 | Throttle flexible shaft | 1 |
| 10 | DG957-01200 | 燃油箱总成 | Fuel tank assembly | 1 |
| 11 | ZL50G2-01010 | 联结叉 | Connect fork | 1 |
| 12 | DG956A-01012 | 油门支架 | Throttle bracket | 1 |
| 13 | DG956A-01013 | 尾气引射胶管 | Offgas injection hose | 1 |
| 14 | DG956A-01014 | 发动机出水管Ⅰ ϕ51-250 | Engine outlet pipe | 1 |
| 15 | DG956A-01015 | 发动机出水钢管 | Engine outlet steel pipe | 1 |
| 16 | DG956A-01016 | 发动机出水管Ⅱ ϕ51-250 | Engine outlet pipe | 1 |
| 17 | DG956A-01017 | 发动机减震垫 | Engine damp pad | 2 |
| 18 | DG956A-01018 | 尾气引射钢管总成 | Offgas injection steel pipe assembly | 1 |
| 20 | DG956WII-01021 | 接管(配CB0234) | Connection tube(for CB0234) | 1 |

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# 第94图 发动机装置(配上柴SC11CB220G2B1发动机)

# FIG.94 ENGINE DEVICE(FOR SHANGCHAI ENGINE)



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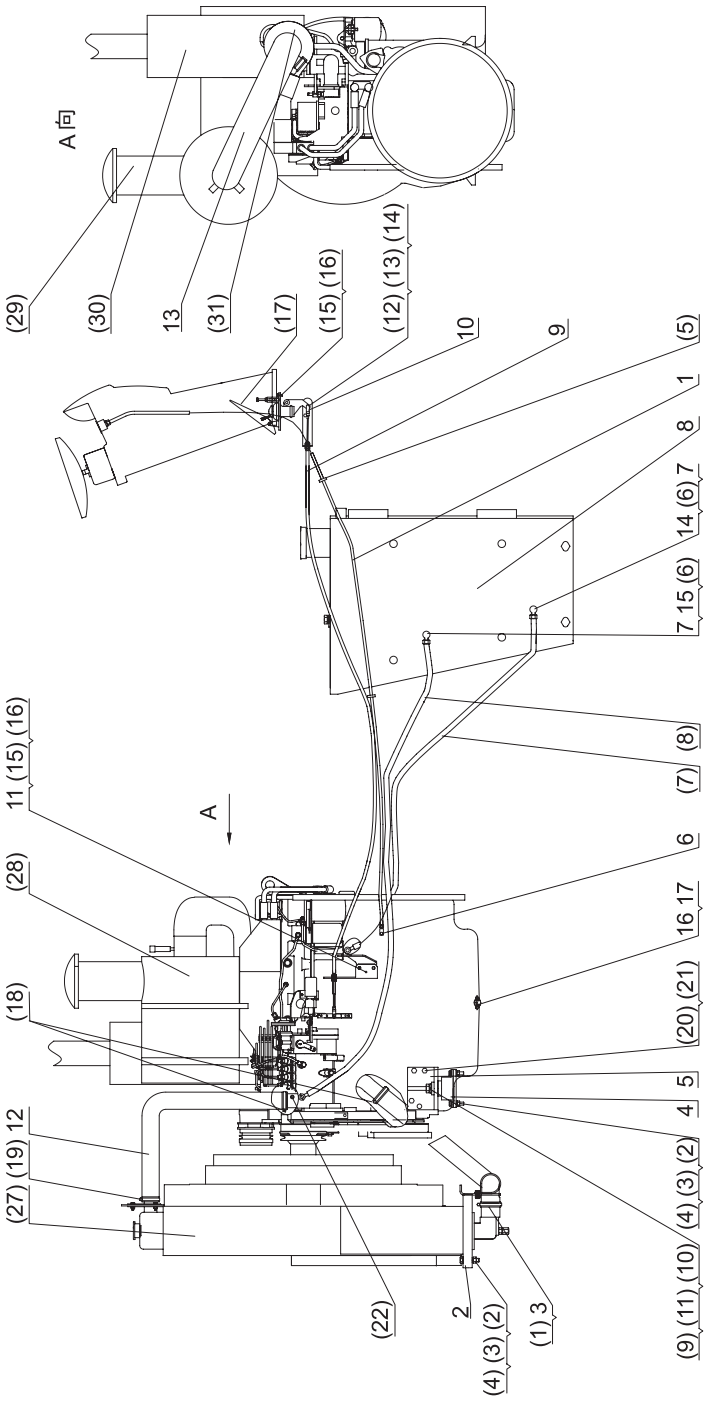
| 序号 NO. | 部件号 PART NO. | 零件名称 PART NAME | | 数量 Q'TY |
|---|---|---|---|---|
| (1) | SC11CB220G2B1-dkg | 大卡箍 | Big clamp | 4 |
| (2) | GB5782 M14×55 | 螺栓M14×55 | Bolt | 4 |
| (3) | GB95 14 | 平垫14 | Flat washer | 4 |
| (4) | GB889 M14 | 螺母M14 | Nut | 4 |
| (5) | GB3452 10A-A-2000 | 输油胶管 10A-A-2000 | Oil transfer hose | 1 |
| (6) | SC11CB220G2B1-tdq | 铜垫圈14 | Copper washer | 2 |
| (7) | GB6170 M6 | 螺母M6 | Nut | 1 |
| (8) | D00-241-01+B | 输油胶管 | Oil transfer hose | 1 |
| (9) | JB982 14 | 组合垫圈14 | Combined washer | 4 |
| (10) | D2900-20000 | 可松开式扎带200×8 | Clip | 3 |
| (11) | GB882 B6×20 | 销轴 B6×20 | Pin | 1 |
| (12) | GB91 2×20 | 开口销2×20 | Splint pin | 1 |
| (13) | GB95 6 | 垫圈6 | washer | 1 |
| (14) | GB5781 M6×16 | 螺栓 M6×16 | Bolt | 5 |
| (15) | GB93 6 | 弹垫 6 | Spring washer | 5 |
| (16) | XZ(QZ)1129001 | 油门操作阀 | Accelerator control valve | 1 |
| (17) | SC11CB220G2B1 | 发动机(CB0235) | Engine | 1 |
| | SC11CB220G2B1 | 发动机(CB0234) | Engine | 1 |
| (18) | SC11CB220G2B1-xkg | 小卡箍 | Smale clamp | 4 |
| (19) | SC11CB220G2B1-gkg | 管卡箍 | Pipe clamp | 2 |
| (20) | ZL60GT-1C | 水油结合散热器 | Radiator | 1 |
| (21) | SC11CB220G2B1-klq | 空滤器 | Air filter | 1 |
| (22) | SC11CB220G2B1-xsq | 消声器 | Muffler | 1 |
| (23) | GB5782 M24×160 | 螺栓 M24×160 | Bolt | 2 |
| (24) | GB93 24 | 垫圈14 | Washer | 2 |
| (25) | GB6170 M24 | 螺母M24 | Nut | 4 |
| (26) | GB5783 M8×25 | 螺栓 M8×25 | Bolt | 2 |
| (27) | GB93 8 | 弹簧垫圈8 | Spring washer | 2 |
| (28) | JB3618.1 75～80 | 双钢丝卡箍75～80 | Clamp | 2 |

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# 第95图 发动机装置(配康明斯6CTA8.3–C215发动机)

# FIG.95 ENGINE DEVICE(FOR CUMMINS ENGINE)



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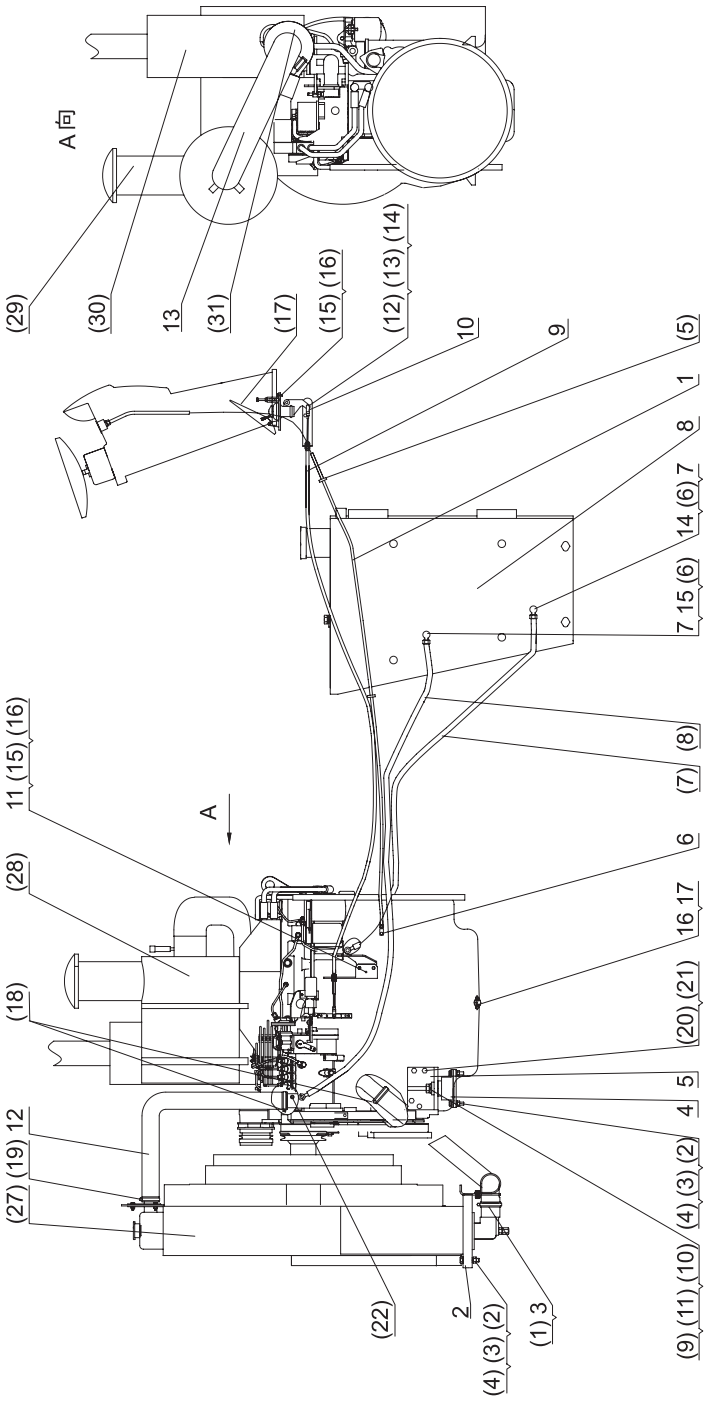
| 序号 NO. | 部件号 PART NO. | 零件名称 PART NAME | | 数量 Q'TY |
|---|---|---|---|---|
| 1 | DG956WI-01006 | 测压胶管 | Manometry hose | 1 |
| 2 | DG956WII-01001 | 水箱垫 | Water tank pad | 2 |
| 3 | DG956WIV-01003A | 发动机进水管 | Engine inlet pipe | 1 |
| 4 | DG956WIV-01004 | 发动机悬置软垫 | Engine shock pad | 2 |
| 5 | DG956WIV-01005 | 发动机前支座 | Engine front bracket | 2 |
| 6 | DG956WIV-01006 | 管接头 | Pipe joint | 1 |
| 7 | DG956WIV-01007 | 铰接螺栓 | Joint bolt | 2 |
| 8 | DG957-01200 | 燃油箱总成 | Fuel tank assembly | 1 |
| 9 | DG956WIV-01009A | 油门软轴 | Throttle flexible shaft | 1 |
| 10 | ZL50G2-01010 | 联结叉 | Connect fork | 2 |
| 11 | DG956WIV-01011 | 油门支架 | Throttle bracket | 1 |
| 12 | DG956WIV-01013A | 发动机出水管 | Engine outlet pipe | 1 |
| 13 | DG956WIV-01014 | 联结管 | Connect pipe | 1 |
| 14 | DG956WIV-01015C | 接头体 | Joint | 1 |
| 15 | DG956WIV-01017A | 接头体 | Joint | 1 |
| 16 | DG956WIV-01018 | 铰接螺栓 | Joint bolt | 1 |
| 17 | DG956WIV-01019 | 放油管 | Outlet oil pipe | 1 |

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# 第95图 发动机装置(配康明斯6CTA8.3–C215发动机)

# FIG.95 ENGINE DEVICE(FOR CUMMINS ENGINE)



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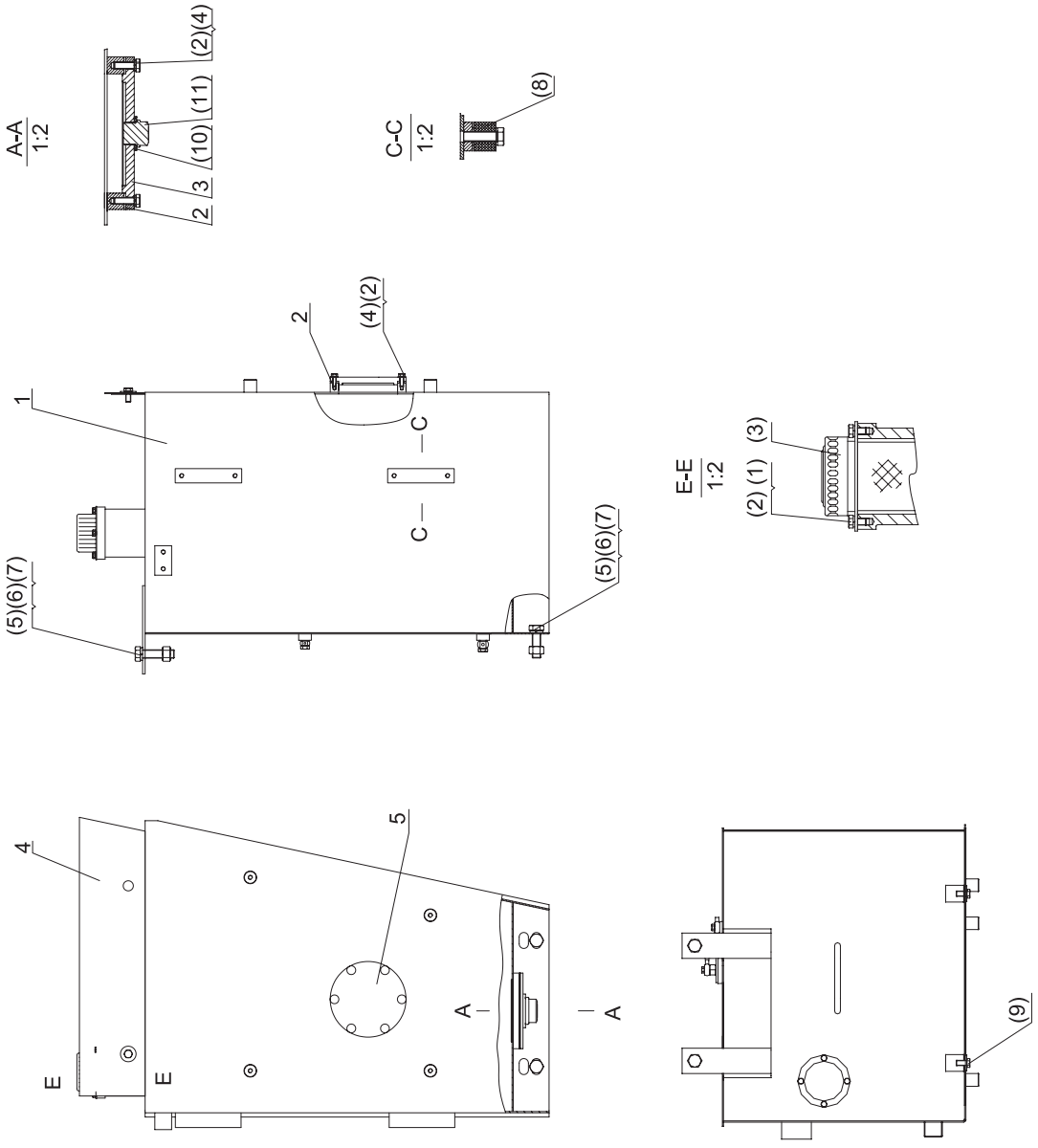
| 序号 NO. | 部件号 PART NO. | 零件名称 PART NAME | | 数量 Q'TY |
|---|---|---|---|---|
| (1) | JB3618.1 75～80 | 双钢丝卡箍75～80 | Clamp | 1 |
| (2) | GB5782 M14x50 | 螺栓 M14x50 | Bolt | 8 |
| (3) | GB95 14 | 垫圈14 | Washer | 8 |
| (4) | GB889 M14 | 螺母M14 | Nut | 8 |
| (5) | D2900-20000 | 可松开锁式扎带 200×8 | Clamp | 3 |
| (6) | JB982 14 | 组合垫圈14 | Combined washer | 2 |
| (7) | GB3452 12B-B-1750 | 进油管 12B-B-1750 | Oil inlet pipe | 1 |
| (8) | GB3452 8B-B-3000 | 回油管8B-B-3000 | Oil outlet pipe | 1 |
| (9) | GB93 22 | 弹垫22 | Spring washer | 2 |
| (10) | GB5783 M22×60 | 螺栓M22×60 | Bolt | 2 |
| (11) | GB95 22 | 垫圈 22 | Washer | 2 |
| (12) | GB882 6×20 | 销轴6×20 | Pin | 2 |
| (13) | GB91 2×20 | 开口销2×20 | Pin | 2 |
| (14) | GB95 6 | 垫圈6 | Washer | 2 |
| (15) | GB5781 M6x16 | 螺栓M6x16 | Bolt | 5 |
| (16) | GB93 6 | 弹垫 6 | Spring washer | 5 |
| (17) | XZ(QZ)1129001 | 油门操作阀 | Throttle control valve | 1 |
| (18) | JB3618.1 70～75 | 双钢丝卡箍70～75 | Clamp | 2 |
| (19) | JB3618.1 60～65 | 双钢丝卡箍60～65 | Clamp | 1 |
| (20) | GB5782 M12x1.75 | 螺栓M12x1.75 | Bolt | 8 |
| (21) | GB93 12 | 垫圈12 | Washer | 8 |
| (22) | JC1084 ZG1/8″ | 螺塞ZG1/8″ | Plug screw | 1 |
| (27) | ZL60GT-AC | 水油结合散热器 | Radiator | 1 |
| (28) | 6CTA8.3-C215 | 柴油机 | Engine | 1 |
| (29) | 6CTA8.3-C215-klq | 空滤器 | Air filter | 1 |
| (30) | 6CTA8.3-C215-pqg | 排气管 | Exhaust pipe | 1 |
| (31) | 6CTA8.3-C215-xsq | 消声器 | Muffler | 1 |

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# 第96图 燃油箱总成

# FIG.96 FUEL TANK ASSEMBLY



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| 序号 NO. | 部件号 PART NO. | 零件名称 PART NAME | | 数量 Q'TY |
|---|---|---|---|---|
| 0 | DG957-01200 | 燃油箱总成 | Fuel tank assy. | 1 |
| 1 | DG957-01201 | 燃油箱体 | Fuel oil tank | 1 |
| 2 | ZL50G2-06206B | 橡胶垫 | Rubber pad | 2 |
| 3 | ZL50G2-06204D | 法兰 | Flange | 1 |
| 4 | ZL50G2-01207 | 挡板 | Baffle | 1 |
| 5 | DG953-01205 | 盘 | Ring flange | 1 |
| (1) | GB5781 M8×16 | 螺栓M8×16 | Bolt | 4 |
| (2) | GB93 8 | 弹垫8 | Spring washer | 16 |
| (3) | QL-10-00 | 加油滤清器 | Oil filling filter | 1 |
| (4) | GB5783 M8×20 | 螺栓M8×20 | Bolt | 12 |
| (5) | GB5783 M20×40 | 螺栓M20×40 | Bolt | 4 |
| (6) | GB93 20 | 弹垫20 | Spring washer | 4 |
| (7) | GB95 20 | 平垫20 | Flat washer | 4 |
| (8) | YWZ-127 | 液位计 | Level indicator | 2 |
| (9) | GB5787 M8×25 | 螺栓M8×25 | Bolt | 2 |
| (10) | JB982 27 | 组合垫圈27 | Combined washer | 1 |
| (11) | JB1000 M27×2 | 螺塞M27×2 | Plug screw | 1 |

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# 工 作 装 置 及 车 架

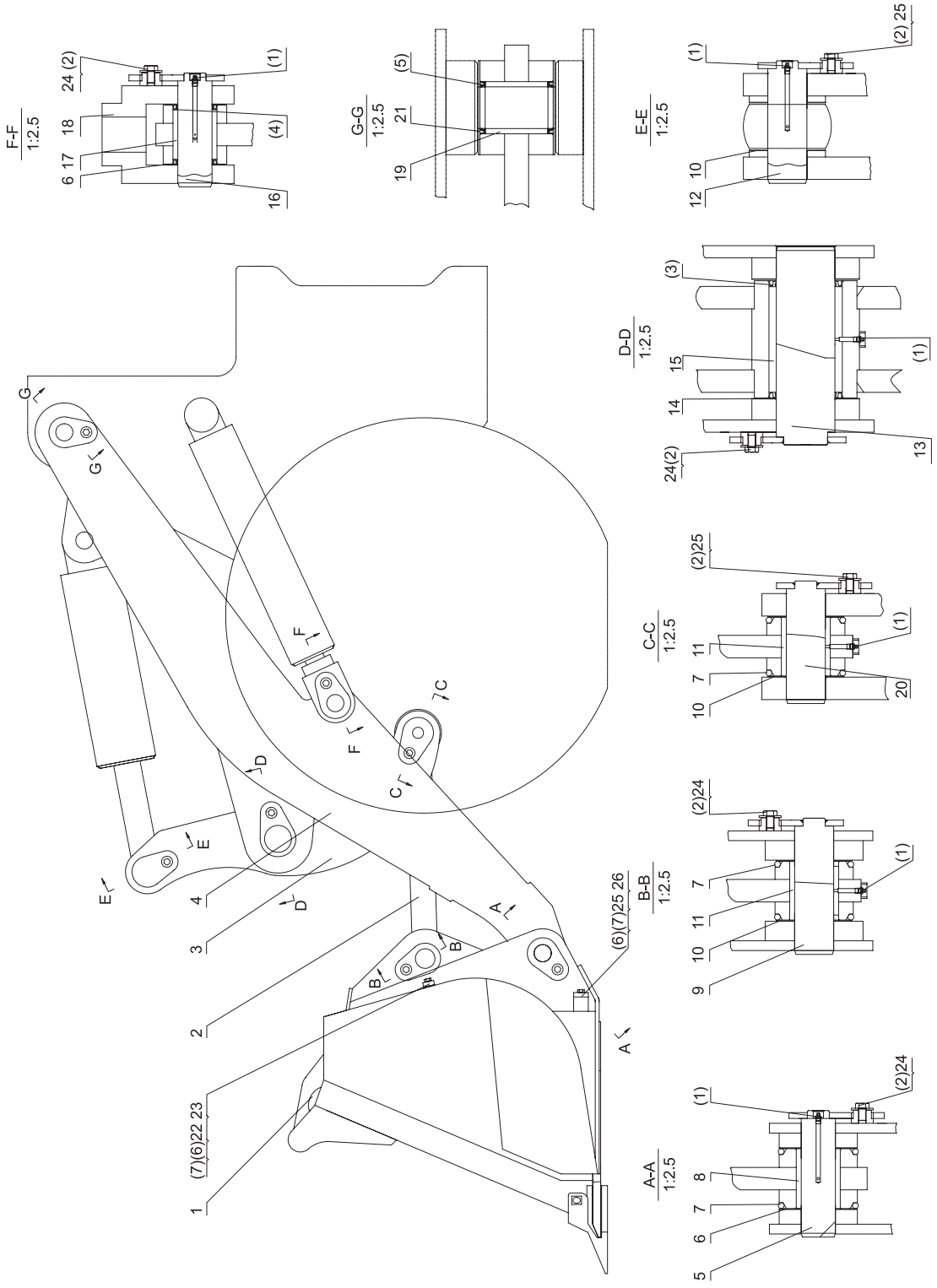
# WORKING DEVICE & FRAME

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# 第97图 工作装置总成

# FIG.97 WORK DEVICE ASSEMBLY



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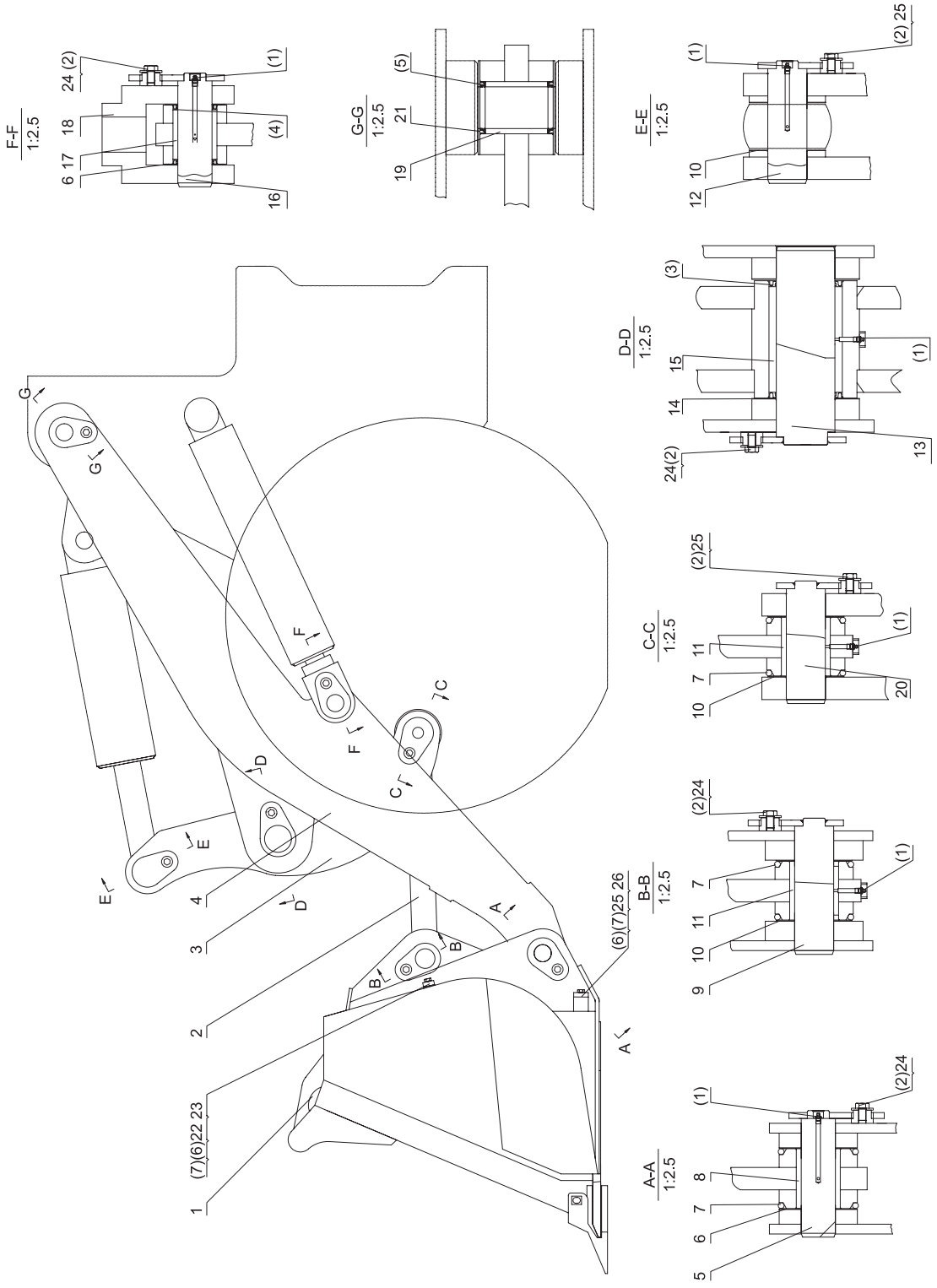
| 序号 NO. | 部件号 PART NO. | 零件名称 PART NAME | | 数量 Q'TY |
|---|---|---|---|---|
| 1 | ZL50G2-B11100D | 铲斗(标准) | Bucket(standard) | 1 |
| | ZL50G2-C11100 | 铲斗(2.5m³) | Bucket | 1 |
| | ZL50G2-11100MD | 煤斗 | Coal bucket | 1 |
| | ZL50G2-A11100YD | 岩石斗 | Rock bucket | 1 |
| 2 | ZL50G2-11200A | 连杆 | Connecting rod | 1 |
| | ZL50JG2-11200 | 连杆(加长臂,长臂金刚用) | Connecting rod(for extend arm and long arm) | 1 |
| 3 | ZL50G2-11300D | 摇臂 | Rocker arm | 1 |
| | ZL50JG2-11300D | 摇臂(加长臂,长臂金刚用) | Rocker arm(for extend arm and long arm) | 1 |
| 4 | ZL50G2-11400D | 动臂 | Movable arm | 1 |
| | ZL50JG2-11400D | 动臂(加长臂用) | Movable arm(for extend arm) | 1 |
| | DG956H-11400D | 动臂(长臂金刚用) | Movable arm(for long arm) | 1 |
| 5 | ZL50G2-11500D | 轴总成 | Shaft assembly | 2 |
| 6 | ZL50G2-11000-1 | 调整垫片 | Adjusting gasket | 8 |
| 7 | ZL50G2-11000-2 | 防尘圈 | Scraper seal | 8 |
| 8 | ZL50G2-11000-3A | 铲斗动臂衬套 | Bushing | 2 |
| 9 | ZL50G2-11600D | 轴总成 | Shaft assembly | 1 |
| 10 | ZL50G2-11000-4 | 调整垫片 | Adjusting gasket | 12 |
| 11 | ZL50G2-11000-5B | 铲斗拉杆销衬套 | Bushing | 2 |
| 12 | ZL50G2-11700D | 轴总成 | Shaft assembly | 1 |
| 13 | ZL50G2-11800D | 轴总成 | Shaft assembly | 1 |
| 14 | ZL50G2-11000-6 | 调整垫片 | Adjusting gasket | 4 |
| 15 | ZL50G2-11000-7B | 摇臂主销衬套 | Bushing | 1 |
| 16 | ZL50G2-11900D | 轴总成 | Shaft assembly | 2 |
| 17 | ZL50G2-11000-8 | 动臂中销衬套 | Bushing | 2 |
| 18 | ZL50G2-11000-9D | 举升缸叉头 | Lifting cylinder clevis | 2 |
| 19 | ZL50G2-11000-10 | 动臂后销衬套 | Bushing | 2 |
| 20 | ZL50G2-11010D | 轴总成 | Shaft assembly | 1 |
| 21 | ZL50G2-11000-12 | 调整垫 | Adjusting gasket | 2 |
| 22 | ZL50G2-11000-13 | 压板 | Press board | 3 |
| 23 | ZL50G2-11000-14 | 调整垫 | Adjusting gasket | 1组 |
| 24 | DG953-11005 | 垫圈 | Washer | 8 |
| 25 | ZL50G2-A11125Y | 调整垫 | Adjusting gasket | 1组 |
| 26 | ZL50G2-A11126Y | 压板 | Press board | 3 |

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# 第97图 工作装置总成

# FIG.97 WORK DEVICE ASSEMBLY



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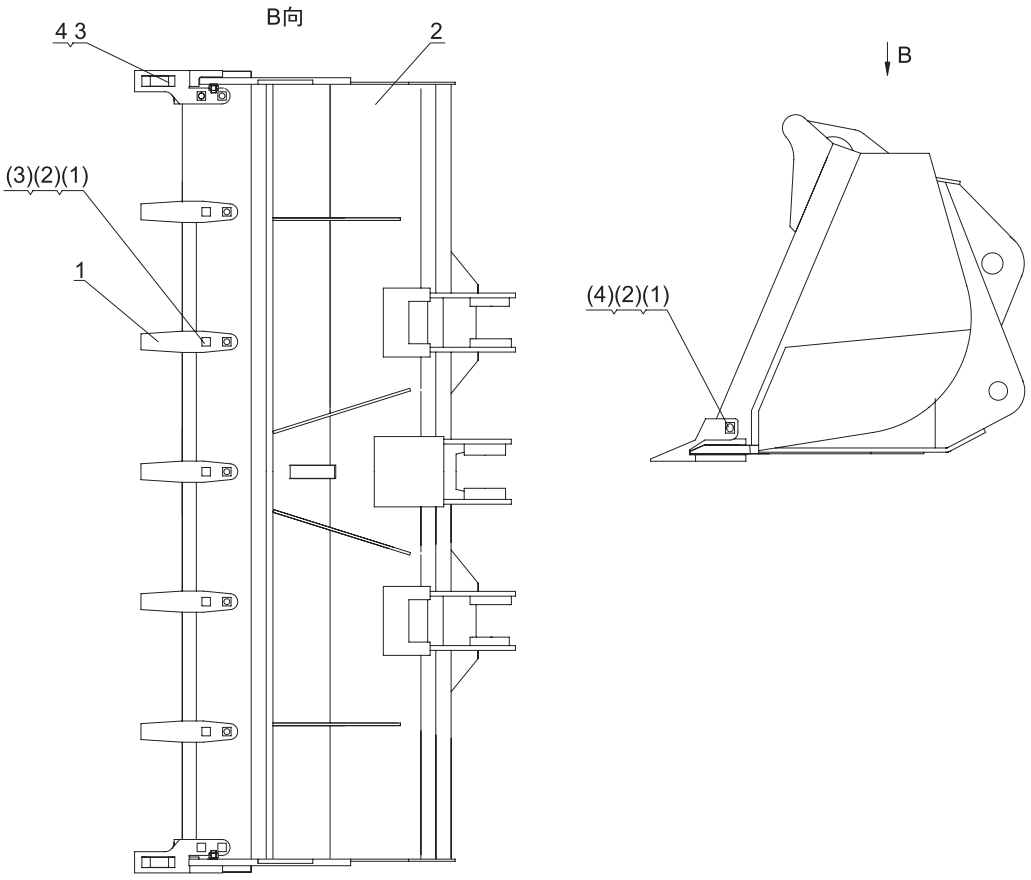
| 序号 NO. | 部件号 PART NO. | 零件名称 PART NAME | | 数量 Q'TY |
|---|---|---|---|---|
| (1) | GB1152 M10×1 | 油杯 M10×1 | Oil cup | 8 |
| (2) | GB5783 M16×30 | 螺栓 M16×30 | Bolt | 8 |
| (3) | HG4-692 PD120×150×14 | 油封 PD120×150×14 | Oil seal | 2 |
| (4) | HG4-692 PD70×90×12 | 油封 PD70×90×12 | Oil seal | 4 |
| (5) | DG953-11-FCQ-04 | 油封PD95×110×10 | Oil seal | 4 |
| (6) | GB5783 M16×50 | 螺栓 M16×50 | Bolt | 4 |
| (7) | GB93 16 | 弹垫16 | Spring washer | 4 |

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# 第98图 铲斗总成

# FIG.98 BUCKET ASSEMBLY



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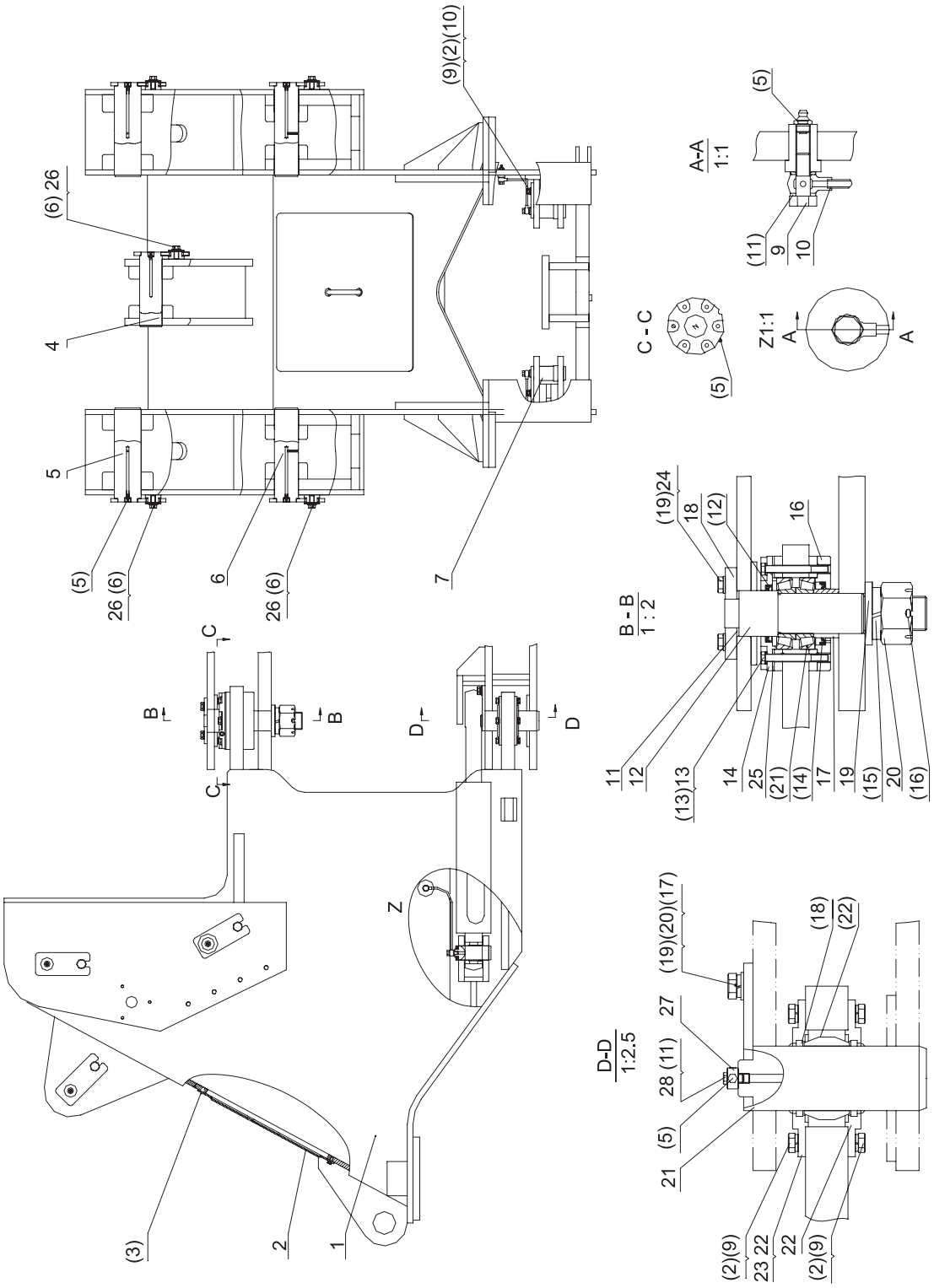
| 序号<br>NO. | 部件号<br>PART NO. | 零件名称<br>PART NAME | | 数量<br>Q'TY |
|---|---|---|---|---|
| 1 | ZL50G2-11100-1A | 中间斗齿 | Mid-bucket teeth | 5 |
| 2 | ZL50G2-B11100D | 铲斗(标准) | Bucket(standard) | 1 |
| | ZL50G2-C11100 | 铲斗(2.5m³) | Bucket | 1 |
| 3 | ZL50G2-11100-2A-R | 角斗齿(右) | Corner bucket teeth(R) | 1 |
| | ZL50G2-11100-2A-L | 角斗齿(左) | Corner bucket teeth(L) | 1 |
| 4 | ZL50G2-11100-3 | 调整垫 | Adjusting gasket | 1组 |
| (1) | GB93 20 | 弹垫20 | Spring washer | 16 |
| (2) | GB6172 M20 | 螺母M20 | Nut | 16 |
| (3) | GB8 M20×75 | 方头螺栓M20×75 | Bolt | 14 |
| (4) | GB8 M20×65 | 方头螺栓M20×65 | Bolt | 2 |

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# 第99图 前车架总成

# FIG.99 FRONT FRAME ASSEMBLY



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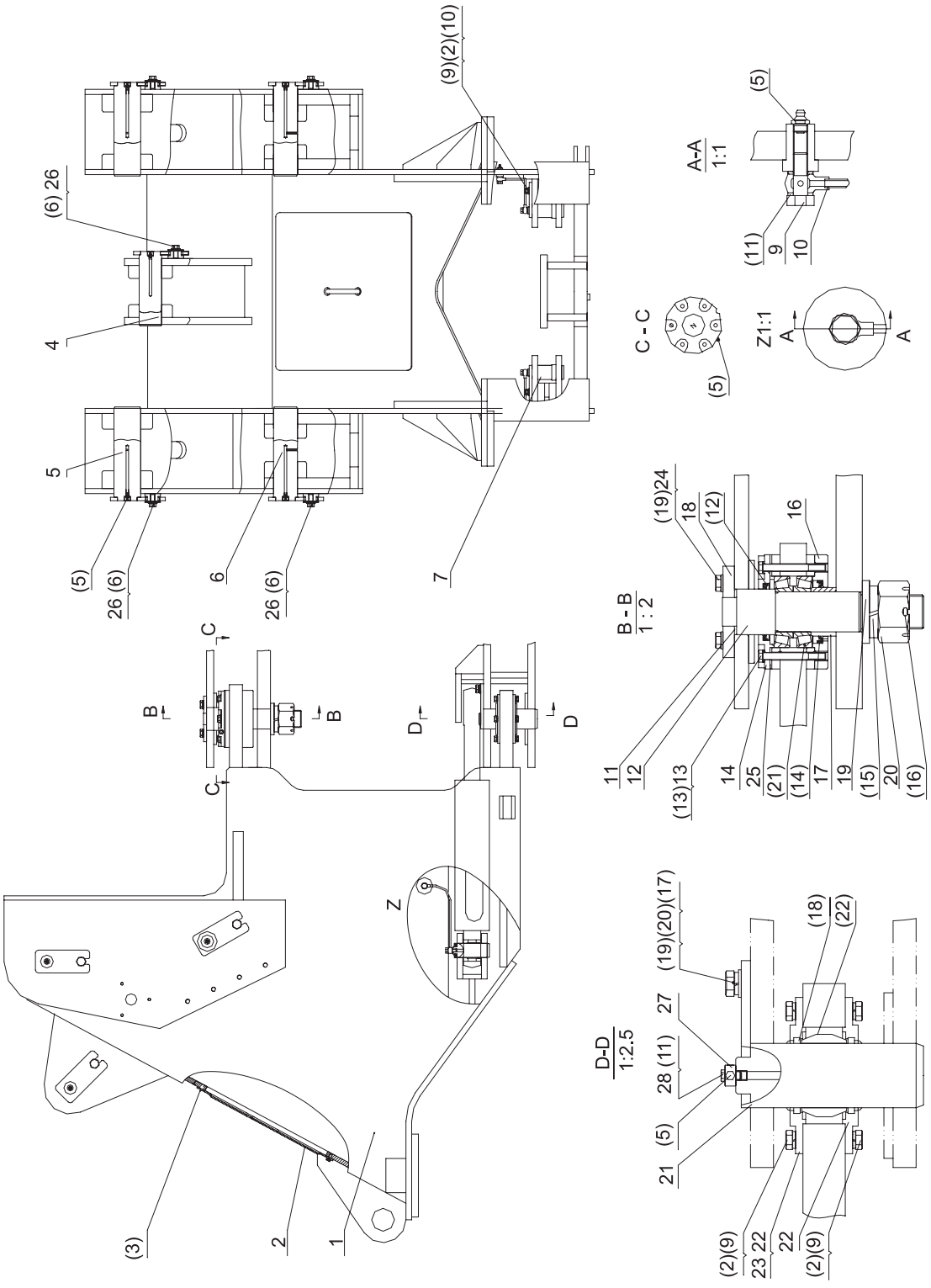
| 序号 NO. | 部件号 PART NO. | 零件名称 PART NAME | | 数量 Q'TY |
|---|---|---|---|---|
| 1 | ZL50FIII(A)-09100A | 前车架(配机械操纵) | Front frame(for mechanical control) | 1 |
| | ZL50G2(A)-09100A | 前车架(配先导操纵) | Front frame(for pilot control) | 1 |
| 2 | ZL50G2-09001A | 小盖板 | Cover board | 1 |
| 4 | ZL50G2-09300D | 翻斗缸后销轴总成 | R/pin assy.,tipping cylinder | 1 |
| 5 | ZL50G2-09400D | 动臂后销轴总成 | R/pin assy.,movable arm | 2 |
| 6 | ZL50G2-09500D | 举升缸后销轴总成 | R/pin assy.,lifting cylinder | 2 |
| 7 | ZL50G2-09600 | 转向缸前销轴总成 | F/pin assy.,steering cylinder | 2 |
| 9 | ZL50G2-09003 | 铰接螺栓 | Link bolt | 4 |
| 10 | ZL50G2-09700A | 前转向润滑油管 | Lubricating pipe | 2对称 |
| 11 | ZL50FIII(A)-09004 | 调整垫 | Adjusting gasket | 1 |
| 12 | ZL50FIII(A)-09005 | 上铰接轴 | Upper link shaft | 1 |
| 13 | ZL50FIII(A)-09006 | 垫圈 | Washer | 6 |
| 14 | ZL50FIII(A)-09007 | 轴承盖 | Bearing cover | 1 |
| 16 | ZL50FIII(A)-09009 | 轴承座 | Bearing base | 1 |
| 17 | ZL50FIII(A)-09010 | 隔套 | Sleeve | 1 |
| 18 | ZL50FIII(A)-09011 | 压板 | Press board | 1 |
| 19 | ZL50G2-09007A | 盘 | Pan | 1 |
| 20 | ZL50G2-09008 | 开槽螺母 | Slotted nut | 1 |
| 21 | ZL50G2-09900 | 下铰接轴总成 | Lower jointed shaft assy. | 1 |
| 22 | ZL50G2-09009 | 下铰接轴承盖 | Lower jointed bearing cover | 2 |
| 23 | ZL50G2-09010 | 垫子 | Pad | 1 |
| 24 | ZL50FIII(A)-09016 | 垫圈 | Washer | 4 |
| 25 | ZL50FIII(A)-09017 | 调整垫 | Adjusting gasket | 6 |
| 26 | DG953-11005 | 垫圈 | Washer | 5 |
| 27 | DG930A-09005 | 丝座 | Base | 1 |
| 28 | DG930A-09006 | 铰接螺栓 | Link bolt | 1 |

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# 第99图 前车架总成

# FIG.99 FRONT FRAME ASSEMBLY



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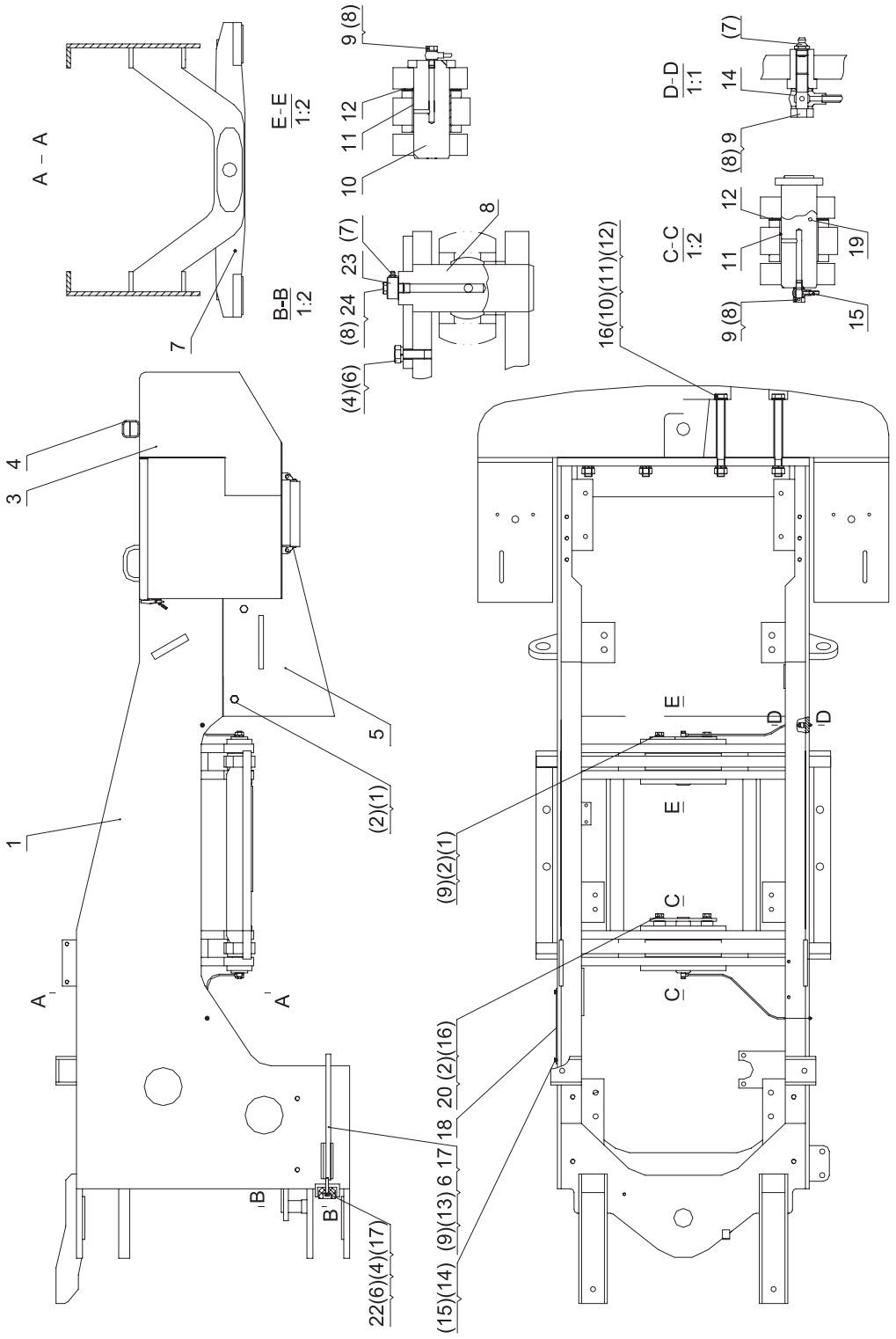
| 序号 NO. | 部件号 PART NO. | 零件名称 PART NAME | | 数量 Q'TY |
|---|---|---|---|---|
| (2) | GB93 12 | 弹垫12 | Spring washer | 26 |
| (3) | GB5787 M8×20 | 螺栓 M8×20 | Bolt | 6 |
| (5) | GB1152 M10×1 | 油杯 M10×1 | Oil cup | 10 |
| (6) | GB5783 M16×30 | 螺栓 M16×30 | Bolt | 5 |
| (9) | GB5783 M12×30 | 螺栓 M12×30 | Bolt | 26 |
| (10) | GB95 12 | 垫圈12 | Washer | 2 |
| (11) | JB982 10 | 组合垫圈10 | Combined washer | 13 |
| (12) | GB9877.1 B80×100×10 | 唇形密封圈 B80×100×10 | Seal ring | 1 |
| (13) | GB5782 M12×110 | 螺栓 M12×110 | Bolt | 6 |
| (14) | GB9877.1 B85×110×12 | 唇形密封圈 B85×110×12 | Seal ring | 1 |
| (15) | GB93 48 | 弹垫48 | Spring washer | 1 |
| (16) | GB91 6.3×90 | 开口销6.3×90 | Cotter pin | 1 |
| (17) | GB95 16 | 垫圈16 | Washer | 1 |
| (18) | SJM03-1 70 | 防尘圈70 | Dust ring | 2 |
| (19) | GB5783 M16×40 | 螺栓M16×40 | Bolt | 5 |
| (20) | GB93 16 | 弹垫16 | Spring washer | 1 |
| (21) | GB297 7514E | 圆锥滚子轴承7514E | Bearing | 2 |
| (22) | GB304.5 GE70ES | 关节轴承GE70ES | Joint bearing | 1 |

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# 第100图 后车架总成

# FIG.100 REAR FRAME ASSEMBLY



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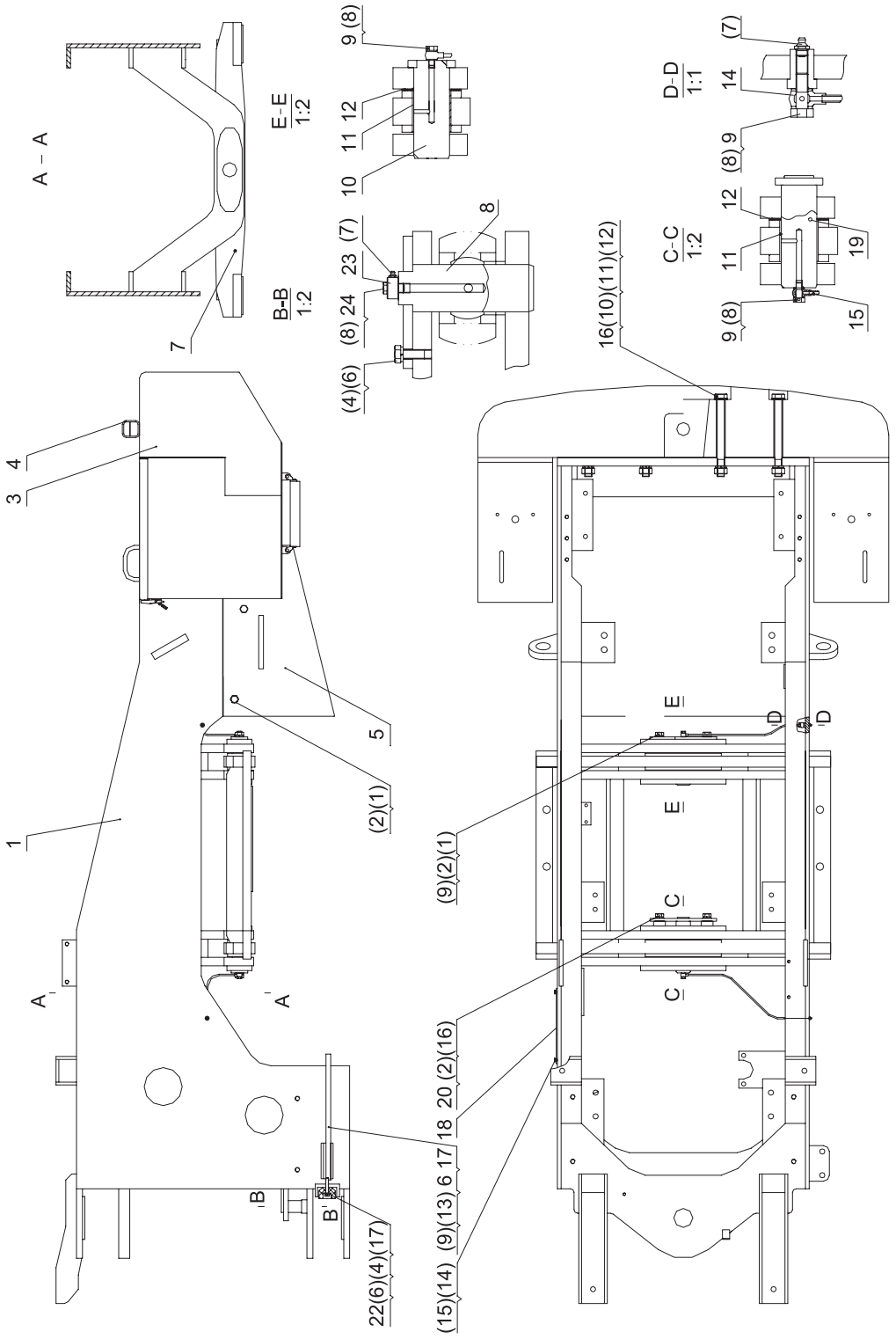
| 序号 NO. | 部件号 PART NO. | 零件名称 PART NAME | | 数量 Q'TY |
|---|---|---|---|---|
| 1 | ZL50FIII(A)-10100 | 车架体 | Rear frame body | 1 |
| 3 | ZL50G2-10001D | 配重铁 | Counterweight iron | 1 |
| 4 | ZL50G2-10002 | 牵引销 | Traction pin | 1 |
| 5 | ZL50G2-10300A | 防护罩 | Protective hood | 1 |
| 6 | ZL50G2-10012 | 销轴 | Pin roll | 2 |
| 7 | ZL50G2-10400 | 副车架 | Auxiliary frame | 1 |
| 8 | ZL50G2-10500 | 转向缸轴 | Steering cylinder shaft | 2 |
| 9 | ZL50G2-10004 | 铰接螺栓 | Link bolt | 4 |
| 10 | ZL50G2-10600B | 副车架轴 | Auxiliary frame shaft | 1 |
| 11 | ZL50G2-10005A | 轴套 | Shaft bush | 2 |
| 12 | ZL50G2-10006 | 垫片 | Gasket | 8 |
| 14 | ZL50FIII-10008A | 油管 | Oil tube | 1 |
| 15 | ZL50FIII-10009A | 油管 | Oil tube | 1 |
| | DG956WII-10009A | 油管 (SL50W-3用) | Oil tube(for SL50W-3) | 1 |
| 16 | ZL50G2-10010 | 平垫 | Flat washer | 4 |
| 17 | ZL50FIII(A)-10011 | 锁止板 | Lock board | 1 |
| 18 | ZL50G3-10012 | 盖 | Cover | 1 |
| 19 | ZL50G2-10700 | 副车架轴 | Auxiliary frame shaft | 1 |
| 20 | ZL50G2-10013 | 垫圈 | Washer | 1 |
| 22 | ZL50FIII(A)-10015 | 缓冲垫 | Pad | 2 |
| 23 | DG930A-09005 | 丝座 | Base | 2 |
| 24 | DG930A-09006 | 铰接螺栓 | Link bolt | 2 |

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# 第100图 后车架总成

# FIG.100 REAR FRAME ASSEMBLY



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| 序号 NO. | 部件号 PART NO. | 零件名称 PART NAME | | 数量 Q'TY |
|---|---|---|---|---|
| (1) | GB5783 M20×40 | 螺栓 M20×40 | Bolt | 6 |
| (2) | GB93 20 | 弹垫20 | Spring washer | 8 |
| (4) | GB93 12 | 弹垫12 | Spring washer | 4 |
| (6) | GB5783 M12×25 | 螺栓 M12×25 | Bolt | 4 |
| (7) | GB1152 M10×1 | 油杯 M10×1 | Oil cup | 4 |
| (8) | JB982 10 | 组合垫圈10 | Combined washer | 12 |
| (9) | GB95 20 | 平垫20 | Flat washer | 4 |
| (10) | GB5782 M30×330 | 螺栓 M30×330 | Bolt | 4 |
| (11) | GB93 30 | 弹垫30 | Spring washer | 4 |
| (12) | GB6170 M30 | 螺母M30 | Nut | 4 |
| (13) | GB91 5×36 | 开口销 5×36 | Cotter pin | 2 |
| (14) | GB93 8 | 弹垫8 | Spring washer | 3 |
| (15) | GB5781 M8×16 | 螺栓 M8×16 | Bolt | 3 |
| (16) | GB5783 M20×35 | 螺栓 M20×35 | Bolt | 2 |
| (17) | GB95 12 | 平垫12 | Flat washer | 2 |

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# 驾驶室和覆盖件

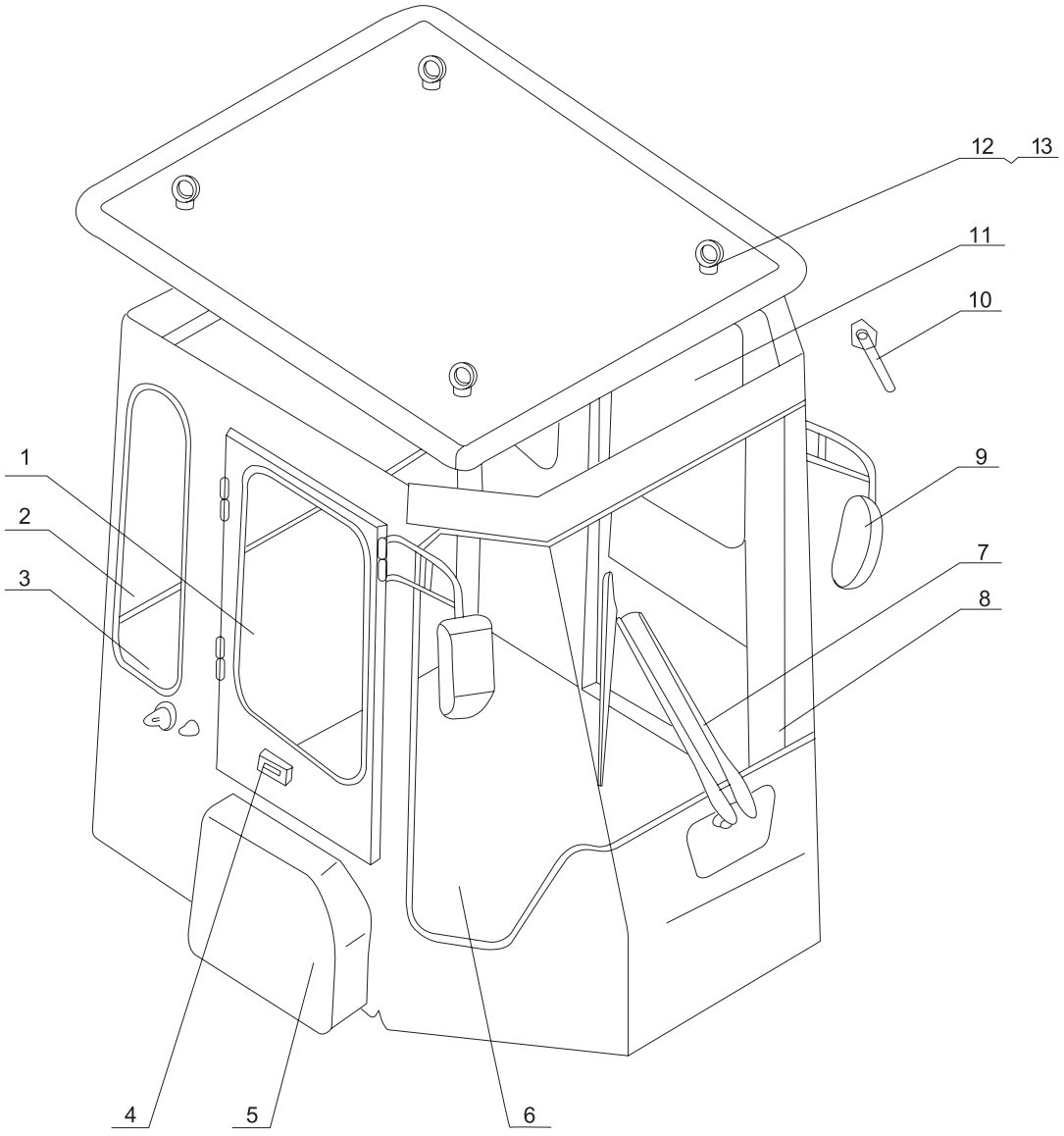
# CAB AND ACCESSORIES

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# 第101图 驾驶室总成

# FIG.101 CAB ASSEMBLY



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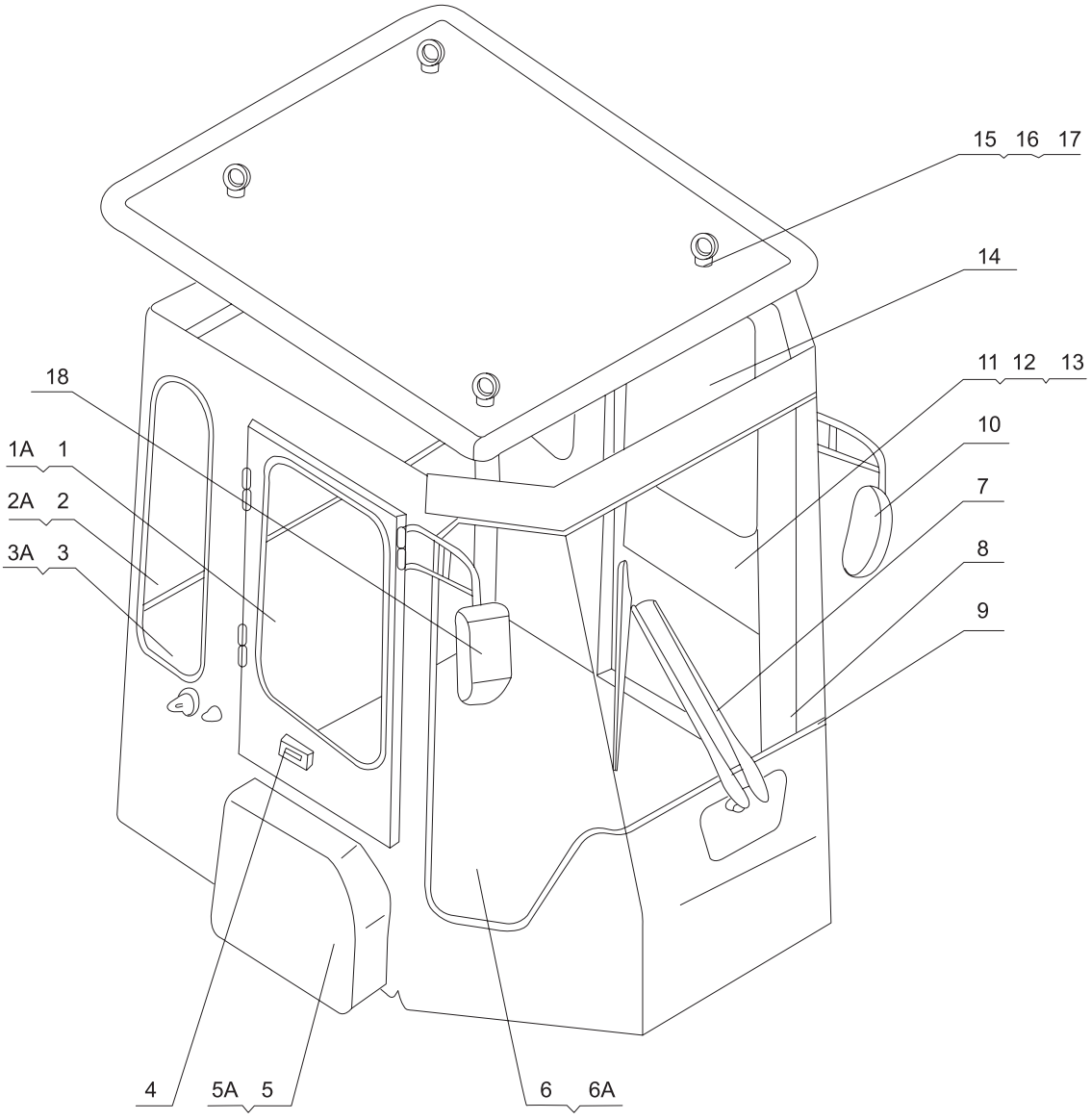
| 序号 NO. | 部件号 PART NO. | 零件名称 PART NAME | | 数量 Q'TY |
|---|---|---|---|---|
| 1 | DG953T-58 | 右门玻璃 | Right door glass | 1 |
| 2 | DG953T-55 | 后挡风玻璃 | Rear windshield | 1 |
| 3 | DG953T-56 | 后侧玻璃 | Rear side glass | 2 |
| 4 | GLS510 | 碰锁 | Spring lock | 2 |
| 5 | DG953-15013-4 | 外护罩(配暖风用) | Outside hood(for warm braw) | 1 |
| | DG953-15013-4A | 外护罩(配空调用) | Outside hood(for air conditioner) | 1 |
| 6 | DG953T-53 | 前侧玻璃 | Front side glass | 2 |
| 7 | D2800-05000 | 刮水器总成 | Wiper assembly | 1 |
| 8 | DG953T-54 | 前挡风玻璃 | Front windshield | 1 |
| 9 | EQ-142 | 后视镜 | Rearview mirror | 2 |
| 10 | GLS502 | 门锁 | Door lock | 1 |
| 11 | DG953T-57 | 左门玻璃 | Left door glass | 1 |
| 12 | DG953-D | 顶棚 | Coping | 1 |
| 13 | GB825 M12 | 吊环螺钉M12 | Eyebolt | 4 |

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# 第102图 SDC驾驶室总成

# FIG.102 CAB ASSEMBLY



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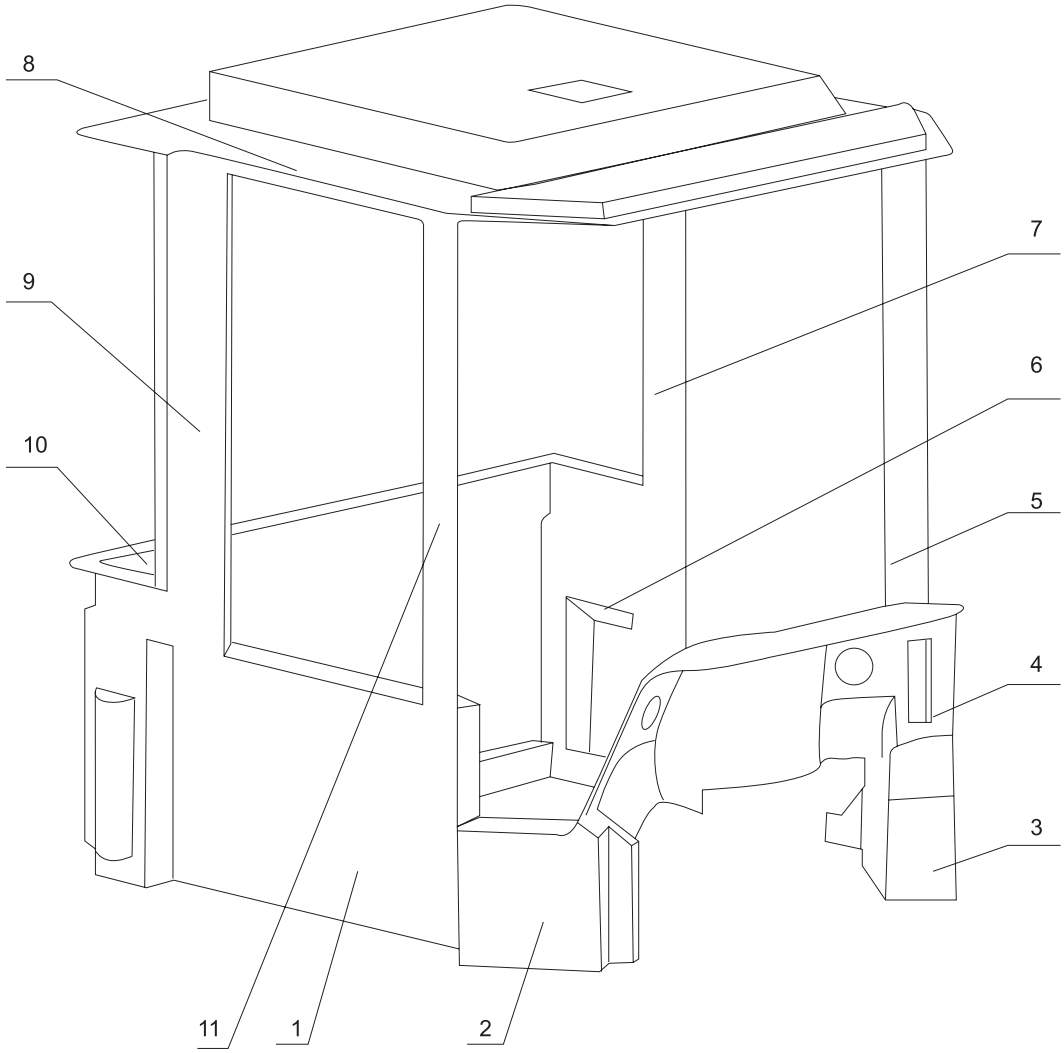
| 序号 NO. | 部件号 PART NO. | 零件名称 PART NAME | | 数量 Q'TY |
|---|---|---|---|---|
| 1 | 1451-56-06005 | 右门玻璃 | Right door glass | 1 |
| 1A | 1451-56-06007 | 玻璃镶条 | Seal | 1 |
| 2 | 1451-56-00003 | 后挡风玻璃 | Rear windshield | 1 |
| 2A | 1451-56-12000 | 玻璃镶条 | Seal | 1 |
| 3 | 1451-56-00002 | 后侧玻璃 | Rear side glass | 2 |
| 3A | 1451-56-13000 | 玻璃镶条 | Seal | 2 |
| 4 | 1451-56-08000 | 碰锁 | Latch | 2 |
| 5 | 1451-56-20000 | 外护罩(配暖风) | Outside hood(for warm braw) | 1 |
| 5A | 1451-56-10000 | 外护罩(配空调) | Outside hood(for air conditioner) | 1 |
| 6 | 1451-56-00006 | 右前侧玻璃 | Right side glass | 1 |
| 6A | 1451-56-00001 | 左前侧玻璃 | Left side glass | 1 |
| 7 | D2800-05000 | 刮水器总成 | Wiper assembly | 1 |
| 8 | 1451-56-00004 | 前挡风玻璃 | Front windshield | 1 |
| 9 | 1451-56-11000 | 玻璃镶条 | Seal | 1 |
| 10 | 1451-56-03000 | 左后视镜 | Left back mirror | 1 |
| 11 | 1451-56-05018 | 门锁 | Door lock | 1 |
| 12 | 23Y-56B-12200 | 内锁(左) | Internal lock(L) | 1 |
| 13 | 23Y-56B-12300 | 内锁(右) | Internal lock(R) | 1 |
| 14 | 1451-56-05012 | 左门玻璃 | Left door glass | 1 |
| 15 | 04530-01222 | 吊环螺栓 | Eyebolt | 4 |
| 16 | 1451-56-02000 | 顶棚 | Coping | 1 |
| 17 | 1451-91-A0000 | 内饰件总成 | Decoration assembly | 1 |
| 18 | 1451-56-04000 | 右后视镜 | Right back mirror | 1 |

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# 第103图 SDC内饰件总成

# FIG.103 DECORATION ASSEMBLY



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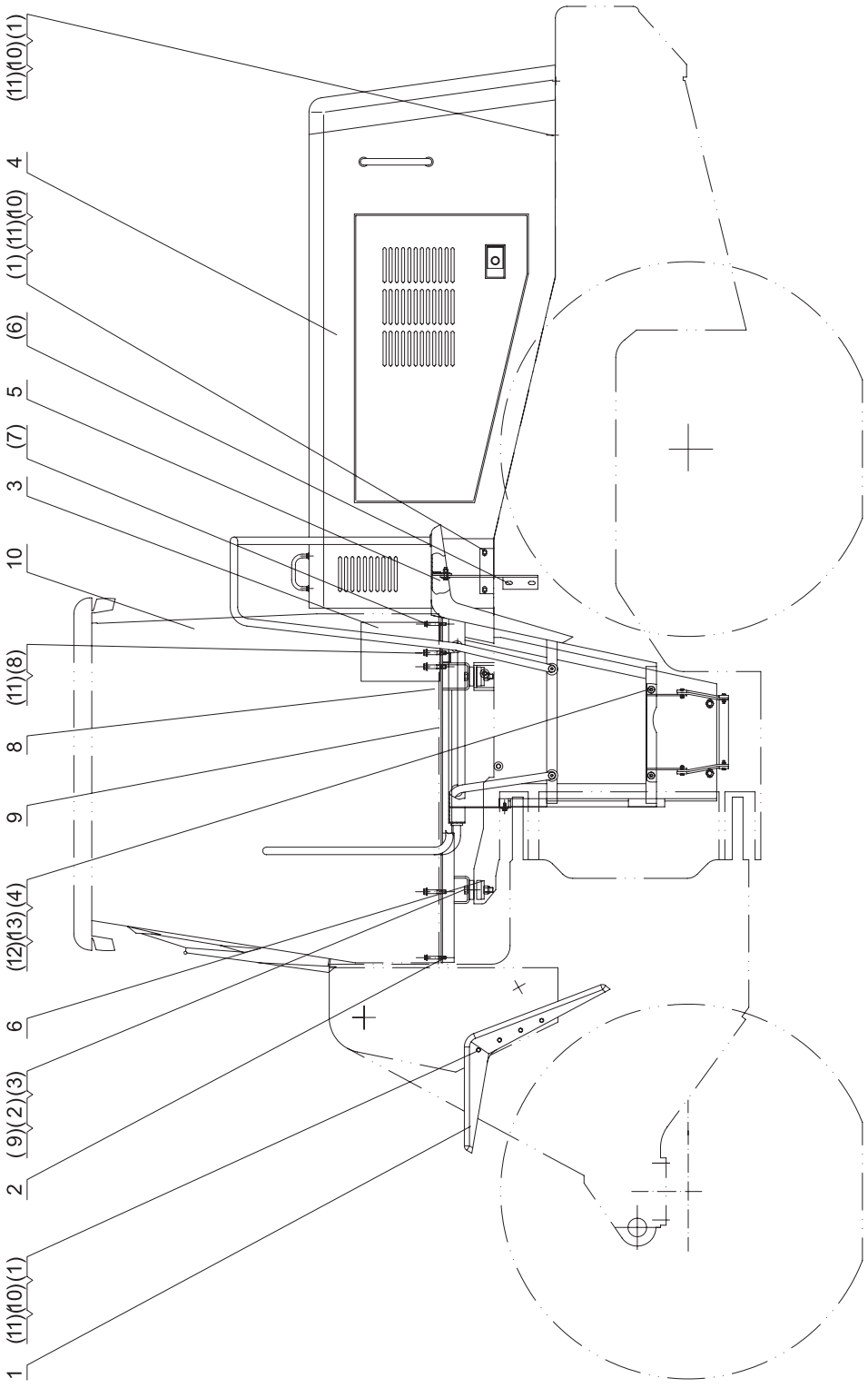
| 序号<br>NO. | 部件号<br>PART NO. | 零件名称<br>PART NAME | | 数量<br>Q'TY |
|---|---|---|---|---|
| 0 | 1451-91-A0000 | 内饰件总成 | Decoration assembly | 1 |
| 1 | 1451-91-04000 | 右内饰 | Right decoration | 1 |
| 2 | 1451-91-12000 | 右前内饰 | R/F decoration | 1 |
| 3 | 1451-91-11000 | 左前内饰 | L/F decoration | 1 |
| 4 | 1451-91-10001 | 前内饰 | Front decoration | 1 |
| 5 | 1451-91-07000 | 左前立柱内饰 | L/F column decoration | 1 |
| 6 | 1451-91-03000 | 左内饰 | Left decoration | 1 |
| 7 | 1451-91-05000 | 左后立柱内饰 | L/R column decoration | 1 |
| 8 | 1451-91-01000 | 顶内饰 | Dome decoration | 1 |
| 9 | 1451-91-06000 | 右后立柱内饰 | R/R column decoration | 1 |
| 10 | 1451-91-02000 | 后内饰 | Rear decoration | 1 |
| 11 | 1451-91-08000 | 右前立柱内饰 | R/F column decoration | 1 |

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# 第104图 车体布置

# FIG.104 BODYWORK COLLOCATION



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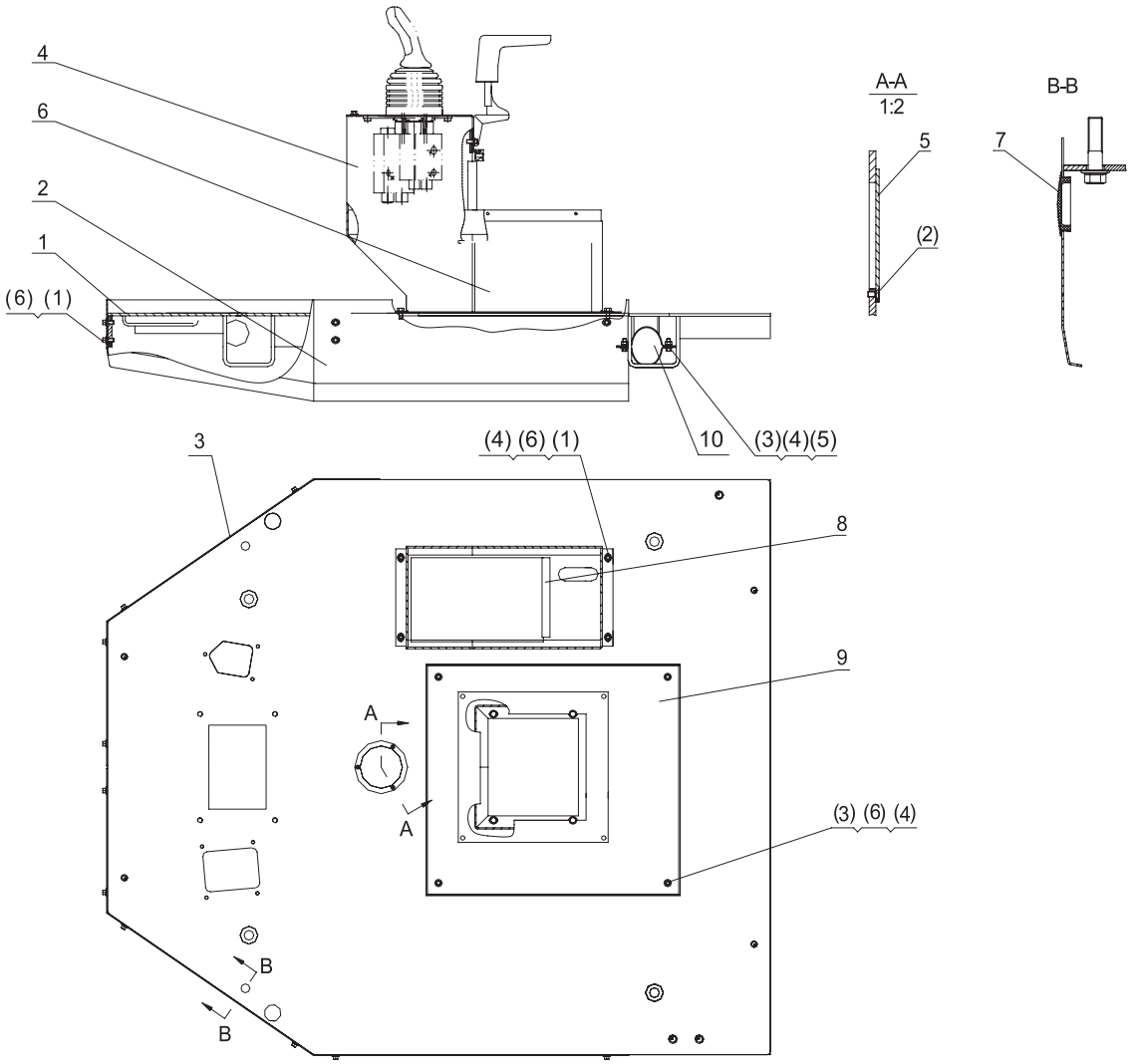
| 序号 NO. | 部件号 PART NO. | 零件名称 PART NAME | | 数量 Q'TY |
|---|---|---|---|---|
| 1 | ZL50G2-13100C | 前挡泥板总成 | Front dashboard assy. | 2 |
| 2 | DG956-A13200 | 地板总成 | Floor assembly | 1 |
| 3 | ZL50G2-13300 | 工具箱 | Toolbox | 1 |
| 4 | DG957-13400 | 发动机罩(配WD10G220E23) | Engine hood | 1 |
| | DG956-13400 | 发动机罩(配WD10G220E21) | Engine hood | 1 |
| | DG957A-13400 | 发动机罩(配上柴) | Engine hood(for SHANG CHAI) | 1 |
| | DG957B-13400 | 发动机罩(配康明斯) | Engine hood(for CUMMINS) | 1 |
| 5 | DG957-13500 | 侧地板总成 | Side floor assembly | 2 |
| 6 | DG957-13001A | 垫 | Pad | 8 |
| 8 | DG957-13003 | 地板 | Floor | 1 |
| 9 | DG957-13004 | 减震垫 | Shock pad | 1 |
| 10 | DG953-14000 | 驾驶室 | Cab | 1 |
| 11 | DG957-13005 | 垫圈 | Washer | 6 |
| | | | | |
| (1) | GB5783 M16×35 | 螺栓 M16×35 | Bolt | 18 |
| (2) | GB5782 M20×110 | 螺栓 M20×110 | Bolt | 4 |
| (3) | GB889 M20 | 螺母M20 | Nut | 4 |
| (4) | GB5783 M12×25 | 螺栓 M12×25 | Bolt | 12 |
| (6) | GB5783 M12×40 | 螺栓 M12×40 | Bolt | 4 |
| (7) | GB5787 M12×80 | 螺栓 M12×80 | Bolt | 3 |
| (8) | GB5787 M16×80 | 螺栓 M16×80 | Bolt | 5 |
| (9) | SE9030-16-48 | 减震器 | Shock absorber | 4 |
| (10) | GB93 16 | 弹垫16 | Spring washer | 18 |
| (11) | GB95 16 | 平垫16 | Flat washer | 18 |
| (12) | GB93 12 | 弹垫12 | Spring washer | 16 |
| (13) | GB95 12 | 平垫12 | Flat washer | 16 |

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# 第105图 地板总成

# FIG.105 FLOOR ASSEMBLY



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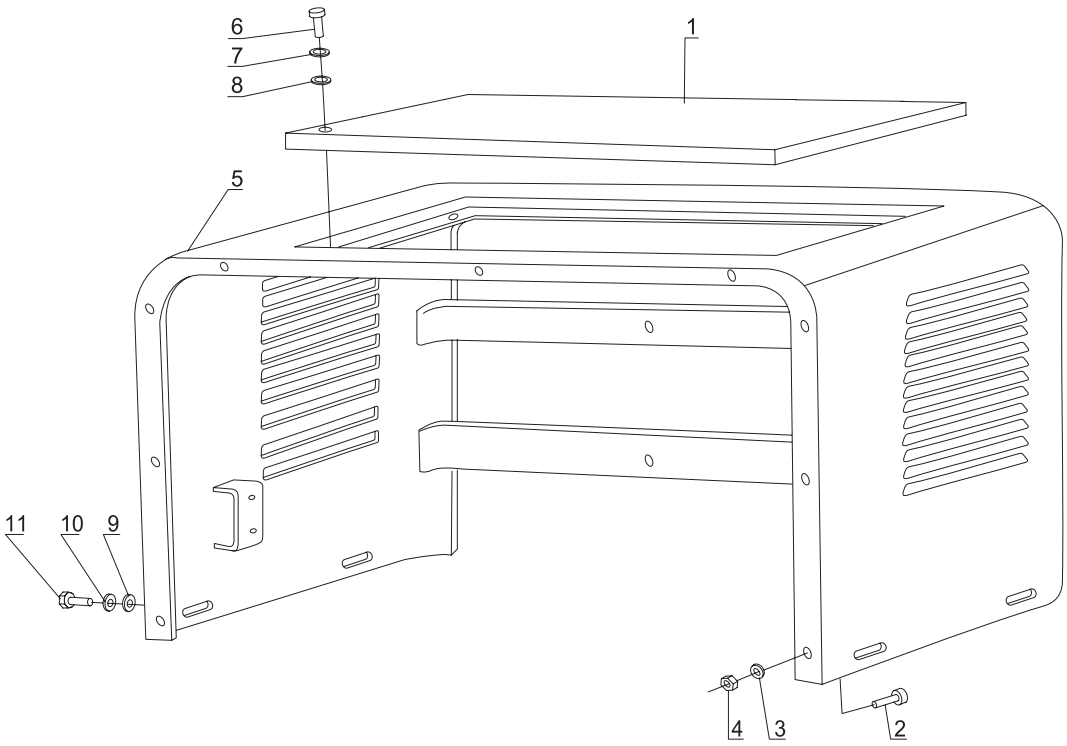
| 序号<br>NO. | 部件号<br>PART NO. | 零件名称<br>PART NAME | | 数量<br>Q'TY |
|---|---|---|---|---|
| 1 | DG956-A13201 | 台座 | Pedestal | 1 |
| 2 | DG956-A13202 | 挡板 | Baffle | 1 |
| 3 | DG956-A13203 | 挡板 | Baffle | 1 |
| 4 | DG956-A13204A | 先导阀支架（用于双手柄先导阀） | Pilot valve bracket | 1 |
| | DG956-A13204 | 先导阀支架（用于单手柄先导阀） | Pilot valve bracket | 1 |
| 5 | DG957-13204 | 盖 | Cover | 1 |
| 6 | DG956-A13205 | 座椅支架 | Seat bearer | 1 |
| 7 | ZLK18-14006 | 橡胶塞 | Rubber plug | 2 |
| 8 | ZLK18-14005 | 密封条 | Sealing joint strip | 1 |
| 9 | DG956-A13206 | 板 | Plate | 1 |
| 10 | DG938-A13201-4-1 | 管夹卡 | Clip | 1 |
| (1) | GB5783 M8×16 | 螺栓 M8×16 | Bolt | 15 |
| (2) | GB819 M5×10 | 螺钉Z M5×10 | Bolt | 3 |
| (3) | GB5783 M8×20 | 螺栓 M8×20 | Bolt | 10 |
| (4) | GB93 8 | 弹垫8 | Spring washer | 14 |
| (5) | GB6170 M8 | 螺母M8 | Nut | 2 |
| (6) | GB95 8 | 平垫8 | Flat washer | 29 |

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# 第106图 前罩

# FIG.106 FRONT HOOD



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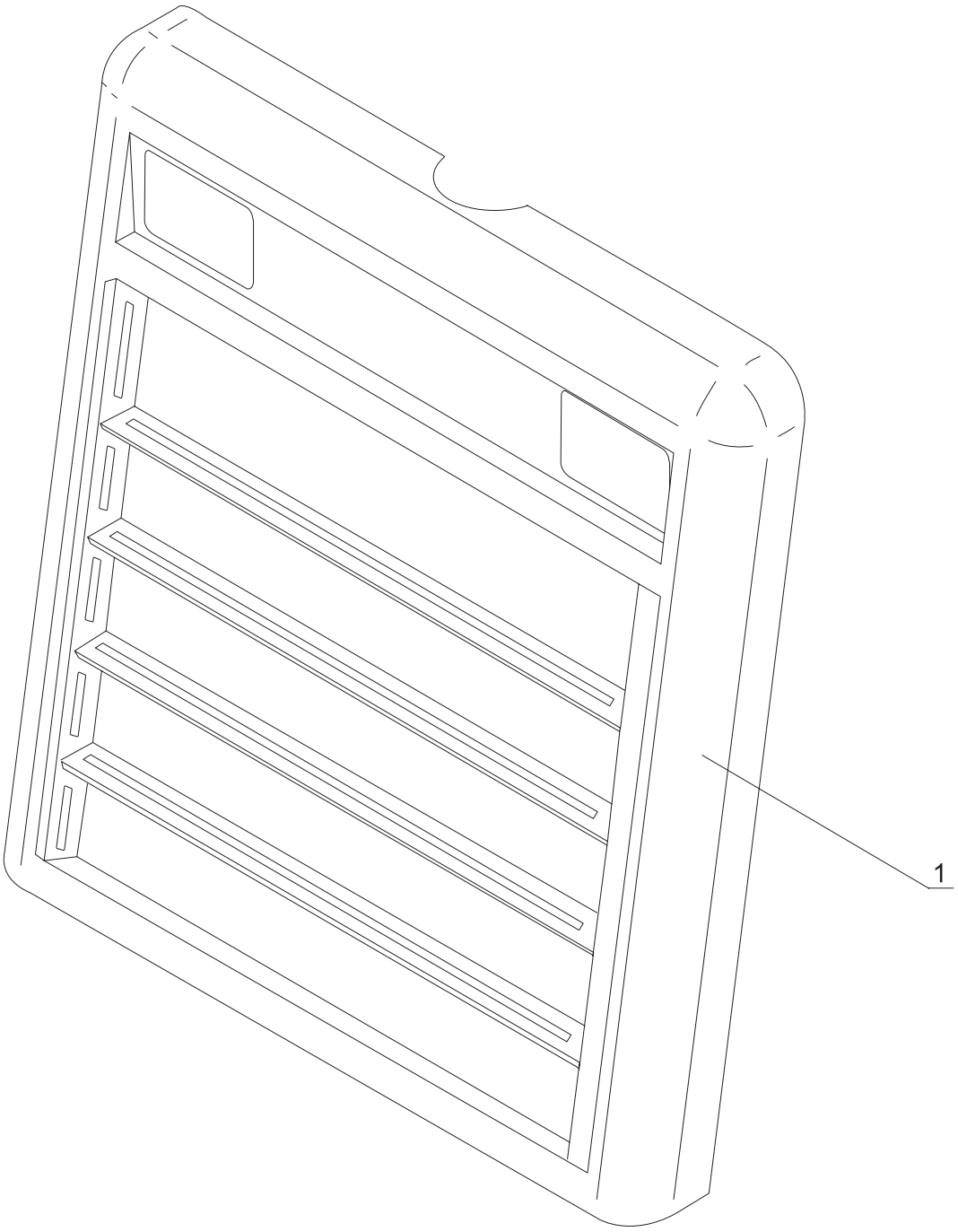
| 序号<br>NO. | 部件号<br>PART NO. | 零件名称<br>PART NAME | | 数量<br>Q'TY |
|---|---|---|---|---|
| 1 | DG957-13401A-11 | 盖板 | Cover plate | 1 |
| 2 | GB5782 M10×30 | 螺栓M10×30 | Bolt | 9 |
| 3 | GB93 10 | 弹垫10 | Spring washer | 9 |
| 4 | GB6170 M10 | 螺母M10 | Nut | 9 |
| 5 | DG957-13401A | 前罩 | Front hood | 1 |
| 6 | GB5781 M12×25 | 螺栓 12×25 | Bolt | 4 |
| 7 | GB93 12 | 弹垫12 | Spring washer | 4 |
| 8 | GB95 12 | 垫圈12 | Washer | 4 |
| 9 | GB93 16 | 弹垫16 | Spring washer | 4 |
| 10 | GB96 16 | 垫圈16 | Washer | 4 |
| 11 | GB5783 M16×35 | 螺栓M16×35 | Bolt | 4 |

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# 第107图 后罩

# FIG.107 REAR HOOD



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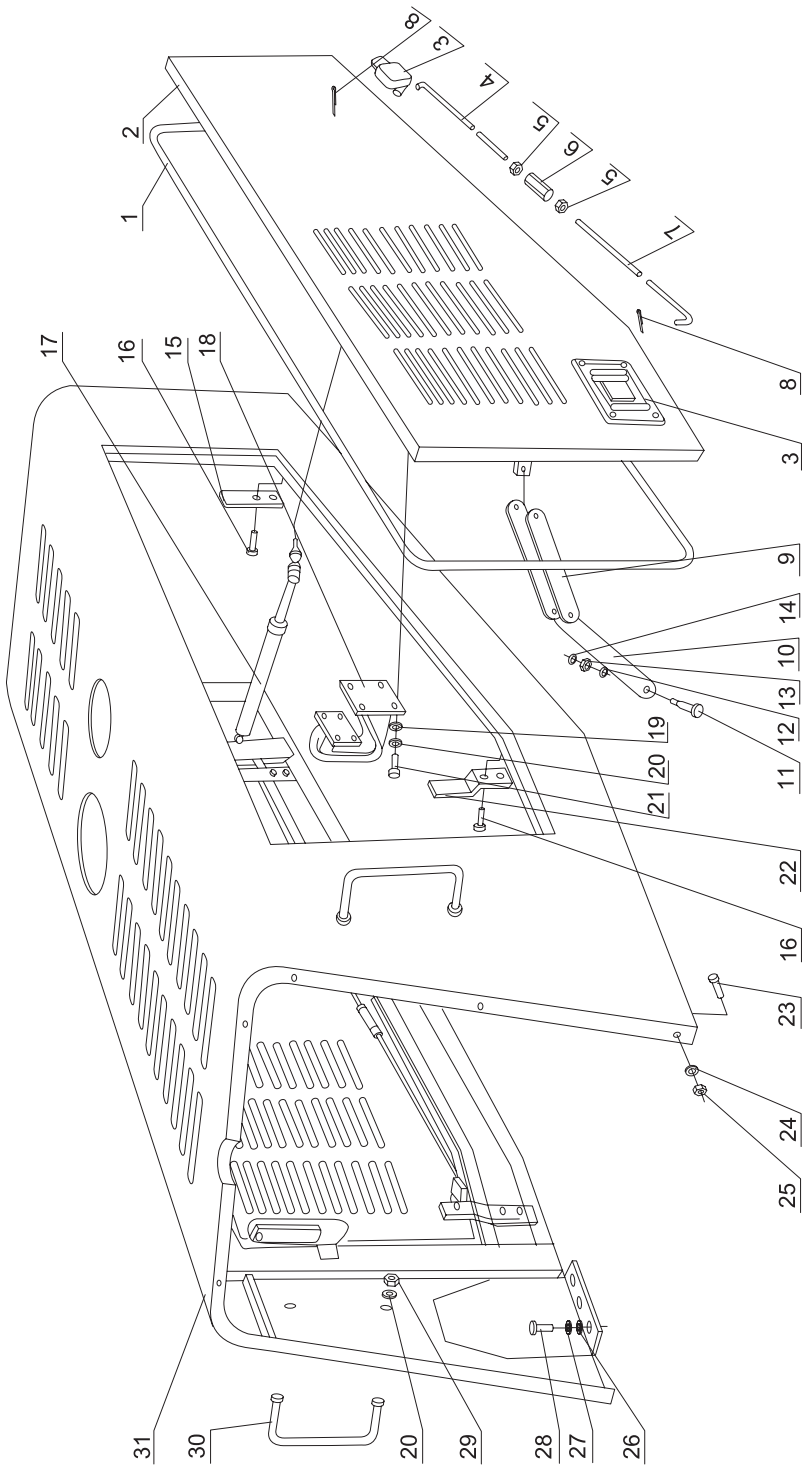
| 序号<br>NO. | 部件号<br>PART NO. | 零件名称<br>PART NAME | 数量<br>Q'TY |
|---|---|---|---|
| 1 | ZL50G2-13405 | 后罩 Rear hood | 1 |

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# 第108图 发动机罩主体

# FIG.108 ENGINE HOOD ASSEMBLY



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| 序号 NO. | 部件号 PART NO. | 零件名称 PART NAME | | 数量 Q'TY |
|---|---|---|---|---|
| 1 | ZL50G2-13408 | 门密封条 | Sealing strip | 7.63M |
| 2 | ZL50G2-13403 | 侧门 | Side cover | 2 |
| 3 | ZL50G2-13403-5 | NBS504型机罩锁 | Side lock | 2 |
| 4 | ZL50G2-13403-4-1 | 圆钢 | Round steel | 2 |
| 5 | GB6170 M6 | 螺母M6 | Nut | 2 |
| 6 | ZL50G2-13403-4-3 | 丝套 | Sleave | 2 |
| 7 | ZL50G2-13403-4-2 | 圆钢 | Round steel | 2 |
| 8 | GB91 Φ2×16 | 开口销Φ2×16 | Cotter pin | 8 |
| 9 | ZL50G2-13407-3 | 板 | Board | 4 |
| 10 | ZL50G2-13407-1 | 板 | Board | 2 |
| 11 | ZL50G2-13414 | 螺柱 | Bolt | 6 |
| 12 | GB95 8 | 垫圈8 | Washer | 6 |
| 13 | GB6170 M8 | 螺母M8 | Nut | 10 |
| 14 | GB93 8 | 弹垫8 | Spring washer | 10 |
| 15 | ZL50G2-13402-11 | 挡板 | Apron | 2 |
| 16 | GB5783 M12×25 | 螺栓M12×25 | Bolt | 32 |
| 17 | ZL50G2-13410 | 气弹簧 | Pneumatic spring | 2 |
| 18 | ZL50G2-13406 | 铰链 | Hinge | 4 |
| 19 | GB95 12 | 垫圈12 | Washer | 32 |
| 20 | GB93 12 | 弹垫12 | Spring washer | 32 |
| 21 | GB5783 M12×30 | 螺栓M12×30 | Bolt | 8 |
| 22 | ZL50G2-13402-12 | 挡板 | Apron | 2 |
| 23 | GB5783 M10×30 | 螺栓M10×30 | Bolt | 19 |
| 24 | GB93 10 | 弹垫10 | Spring washer | 23 |
| 25 | GB6170 M10 | 螺母M10 | Nut | 8 |
| 26 | GB96 16 | 垫圈16 | Washer | 6 |
| 27 | GB93 16 | 弹垫16 | Spring washer | 6 |
| 28 | GB5783 M16×35 | 螺栓M16×35 | Bolt | 6 |
| 29 | GB6170 M12 | 螺母M12 | Nut | 4 |
| 30 | ZL50G2-13404 | 扶手 | Hand rail | 2 |
| 31 | ZL50G2-13402 | 中罩(配潍柴) | Mid-hood (for WEICHAI) | 1 |
| | DG957A-13402 | 中罩(配上柴) | Mid-hood (for SHANGCHAI) | 1 |
| | DG957B-13402 | 中罩(配康明斯) | Mid-hood (for CUMMINS) | 1 |

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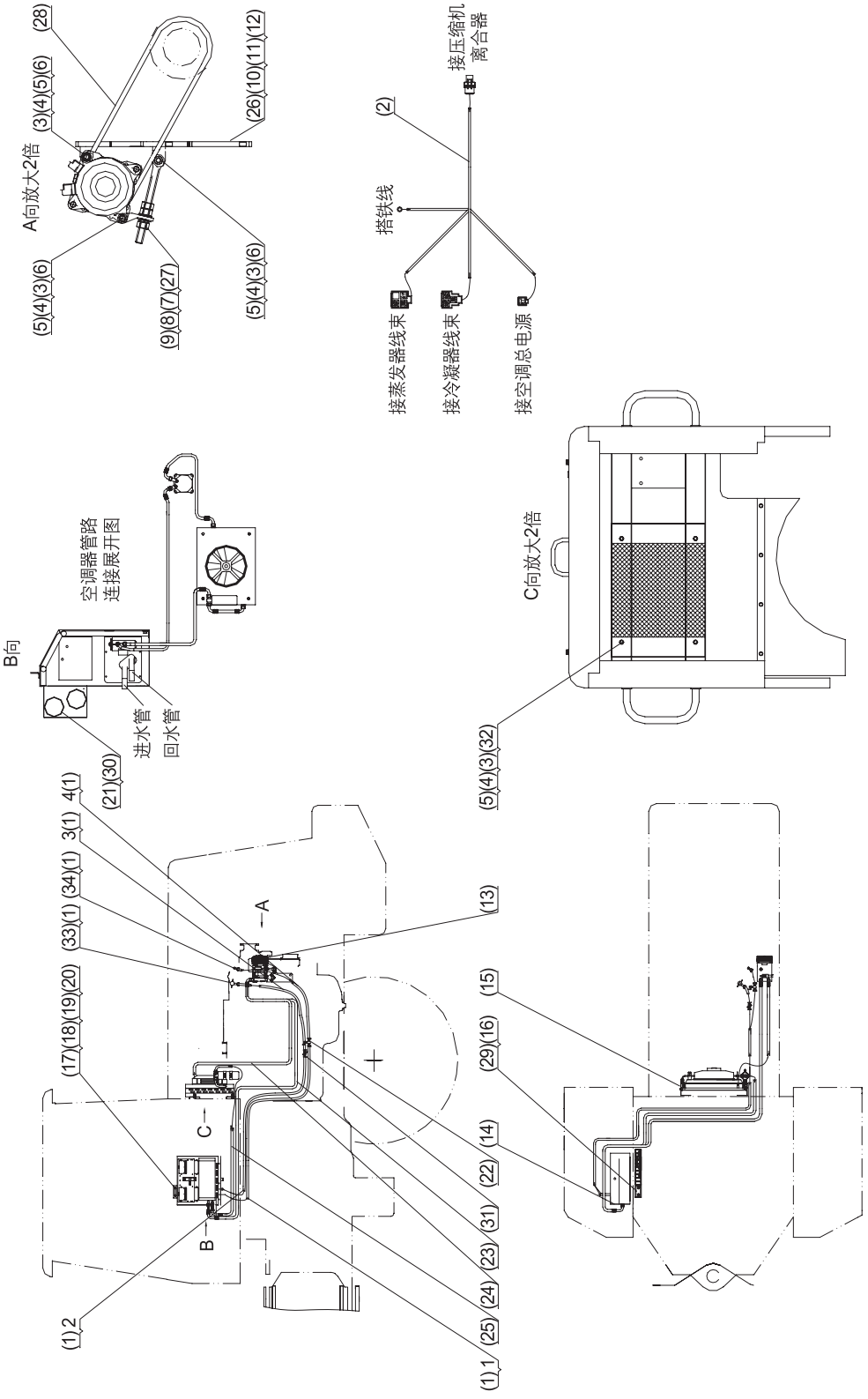
# 操 纵 台 及 电 器 仪 表
# CONTROL PANNEL AND ELECTRIC INSTRUMENT

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# 第109图 空调系统(配潍柴发动机)

# FIG.109 AIR CONDITIONER SYSTEM(FOR WEICHAI ENGINE)



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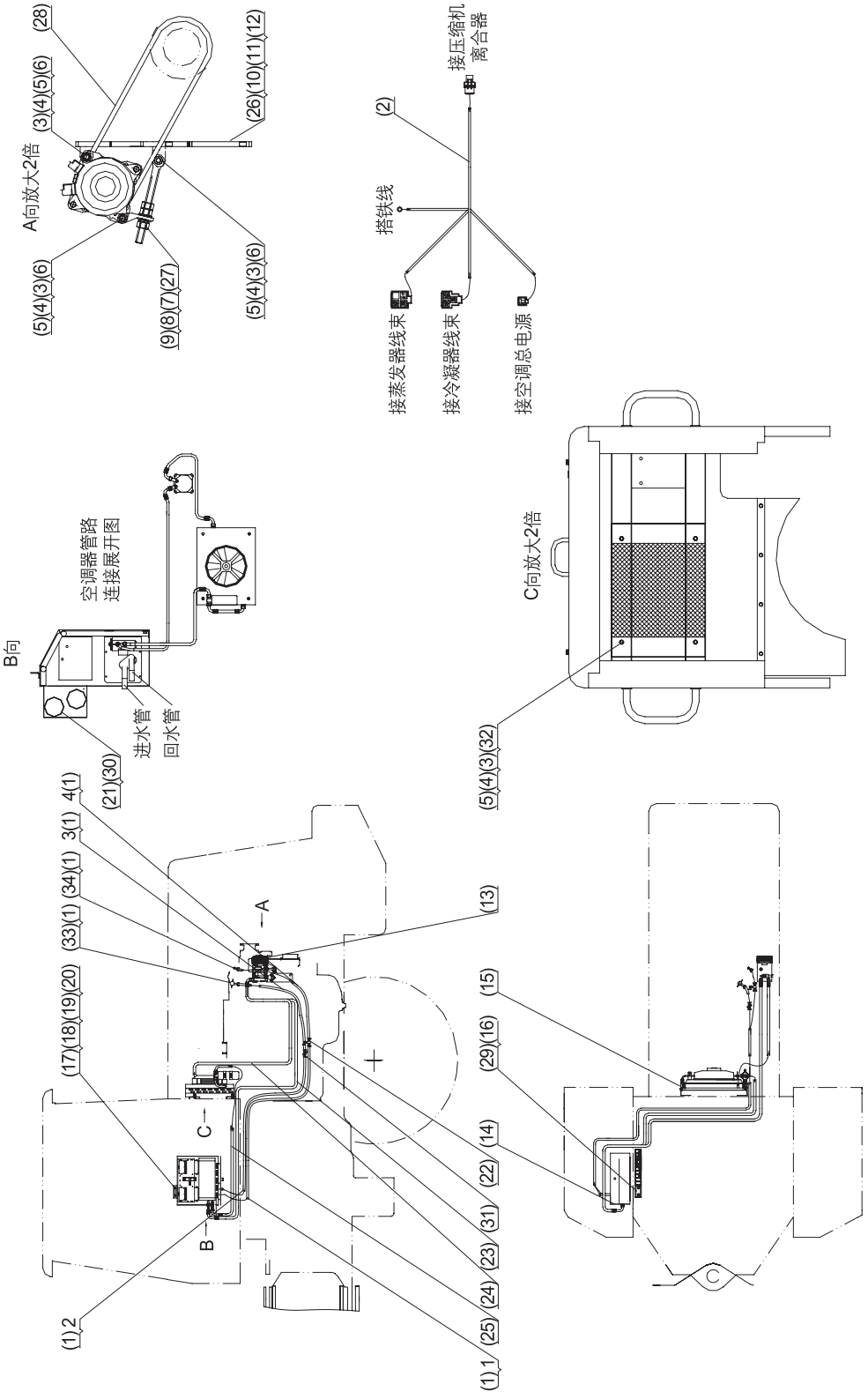
| 序号<br>NO. | 部件号<br>PART NO. | 零件名称<br>PART NAME | | 数量<br>Q'TY |
|---|---|---|---|---|
| 1 | DG956-A17001 | 暖风机出水管 | Outlet Pipe | 1 |
| 2 | DG956-A17002 | 暖风机进水管 | Inlet Pipe | 1 |
| 3 | DG956-A17003 | 发动机进水管 | Inlet Pipe | 1 |
| 4 | DG956-A17004 | 发动机回水管 | Outlet Pipe | 1 |

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# 第109图 空调系统(配潍柴发动机)

# FIG.109 AIR CONDITIONER SYSTEM(FOR WEICHAI ENGINE)



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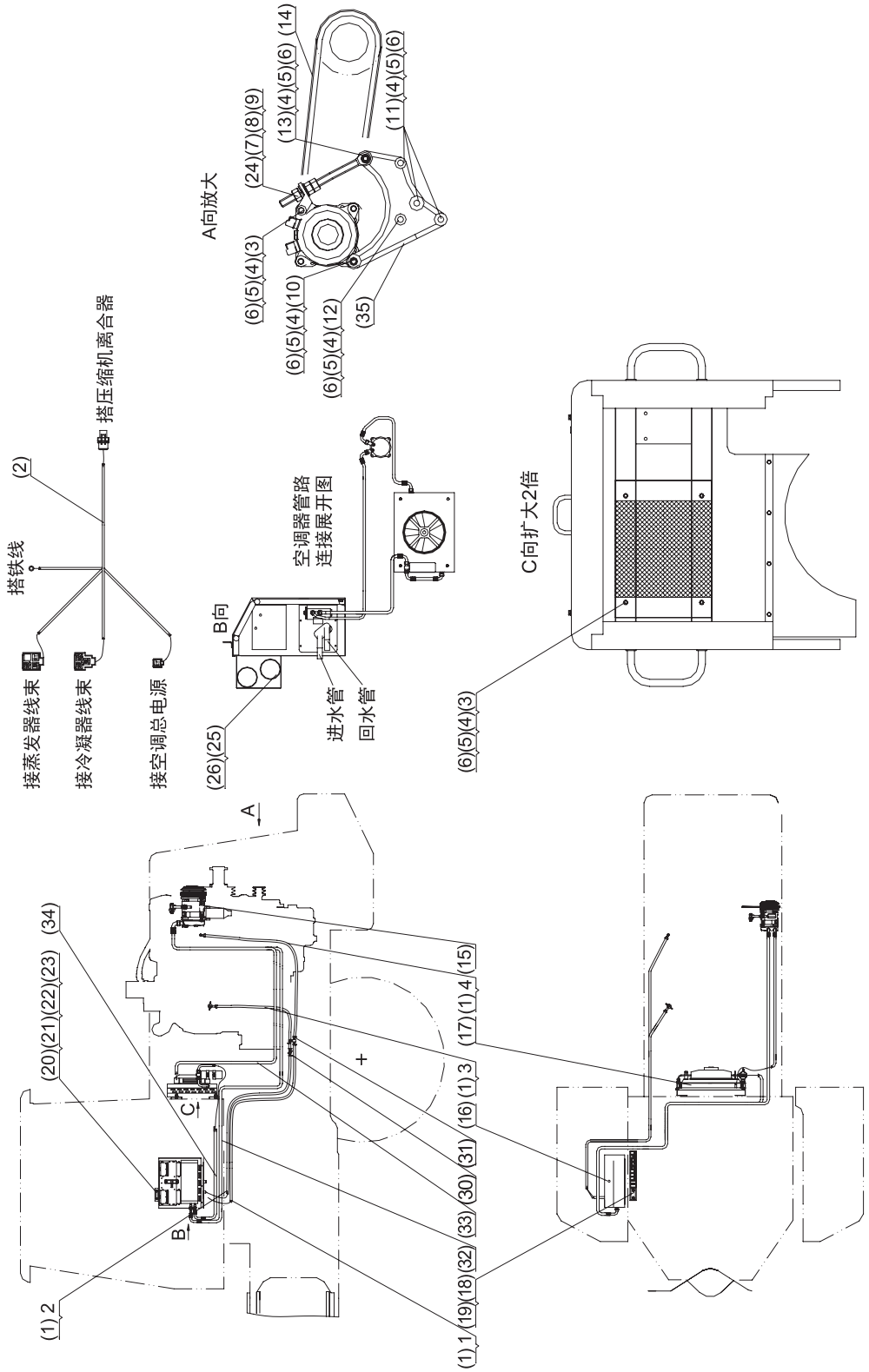
| 序号 NO. | 部件号 PART NO. | 零件名称 PART NAME | | 数量 Q'TY |
|---|---|---|---|---|
| 0 | D2061-51000 | 空调总成 | Air conditioner assy. | 1 |
| (1) | JB3618.1 16～25 | 双钢丝卡箍16～25 | Clamp | 8 |
| (2) | TSGX05010X | 空调线束 | Air Condition Wire | 1 |
| (3) | GB95 10 | 垫圈10 | Washer | 9 |
| (4) | GB93 10 | 垫圈10 | Washer | 9 |
| (5) | GB6170 M10 | 螺母M10 | Nut | 9 |
| (6) | GB5781 M10×45 | 螺栓M10×45 | Bolt | 5 |
| (7) | GB6170 M14 | 螺母M14 | Nut | 3 |
| (8) | GB95 14 | 垫圈14 | Washer | 2 |
| (9) | GB93 14 | 垫圈14 | Washer | 1 |
| (10) | GB5781 M12×50 | 螺栓M12×50 | Bolt | 4 |
| (11) | GB93 12 | 垫圈12 | Washer | 4 |
| (12) | GB95 12 | 垫圈12 | Washer | 4 |
| (13) | DY5H14 | 压缩机 | Compressor | 1 |
| (14) | TSZW05.DG07 | 蒸发器 | Evaporator | 1 |
| (15) | TSL05-DG09 | 冷凝器总成 | Condenser asy | 1 |
| (16) | GB819 M4×12 | H螺钉M4×12 | Screw | 4 |
| (17) | GB5781 M8×30 | 螺栓M8×30 | Bolt | 1 |
| (18) | GB93 8 | 垫圈8 | Washer | 4 |
| (19) | GB95 8 | 垫圈8 | Washer | 4 |
| (20) | GB6170 M8 | 螺母M8 | Nut | 4 |
| (21) | JB3618.1 65～70 | 双钢丝卡箍65～70 | Clamp | 4 |
| (22) | TSZN05.DG01-02000000 | 放水开关 | Release switch | 1 |
| (23) | TSGX05023D | 蒸发器至压缩机低压胶管 | Hose | 1 |
| (24) | TSGX05023G1 | 压缩机至冷凝器高压胶管 | Hose | 1 |
| (25) | TSGX05007G2 | 干燥储液器至蒸发器高压胶管 | Hose | 1 |
| (26) | TSPZ.SYm | 压缩机支架 | Compressor frame | 1 |
| (27) | TSPZ.SYm-0001 | 涨紧螺栓 | Bolt | 1 |
| (28) | V13×1560 | 皮带 | Belt | 1 |
| (29) | DG938-KTTJMB | 空调调节面板 | Air condition adjust panel | 1 |
| (30) | DG938-FD1 | 风道 | Duct | 2 |
| (31) | DG938-ZLF | 止流阀 | Only flow valve | 1 |
| (32) | GB5781-86 M10×35 | 螺栓M10×35 | Bolt | 4 |
| (33) | DYZN05.DG01-0300000 | 过渡接头 | Transition joints | 1 |
| (34) | DYZN05.DG01-0000002 | 出水接头 | Outlet joint | 1 |

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# 第110图 空调系统(配上柴SC11CB220G2B1发动机)

# FIG.110 AIR CONDITIONER SYSTEM(FOR SHANGCHAI ENGINE)



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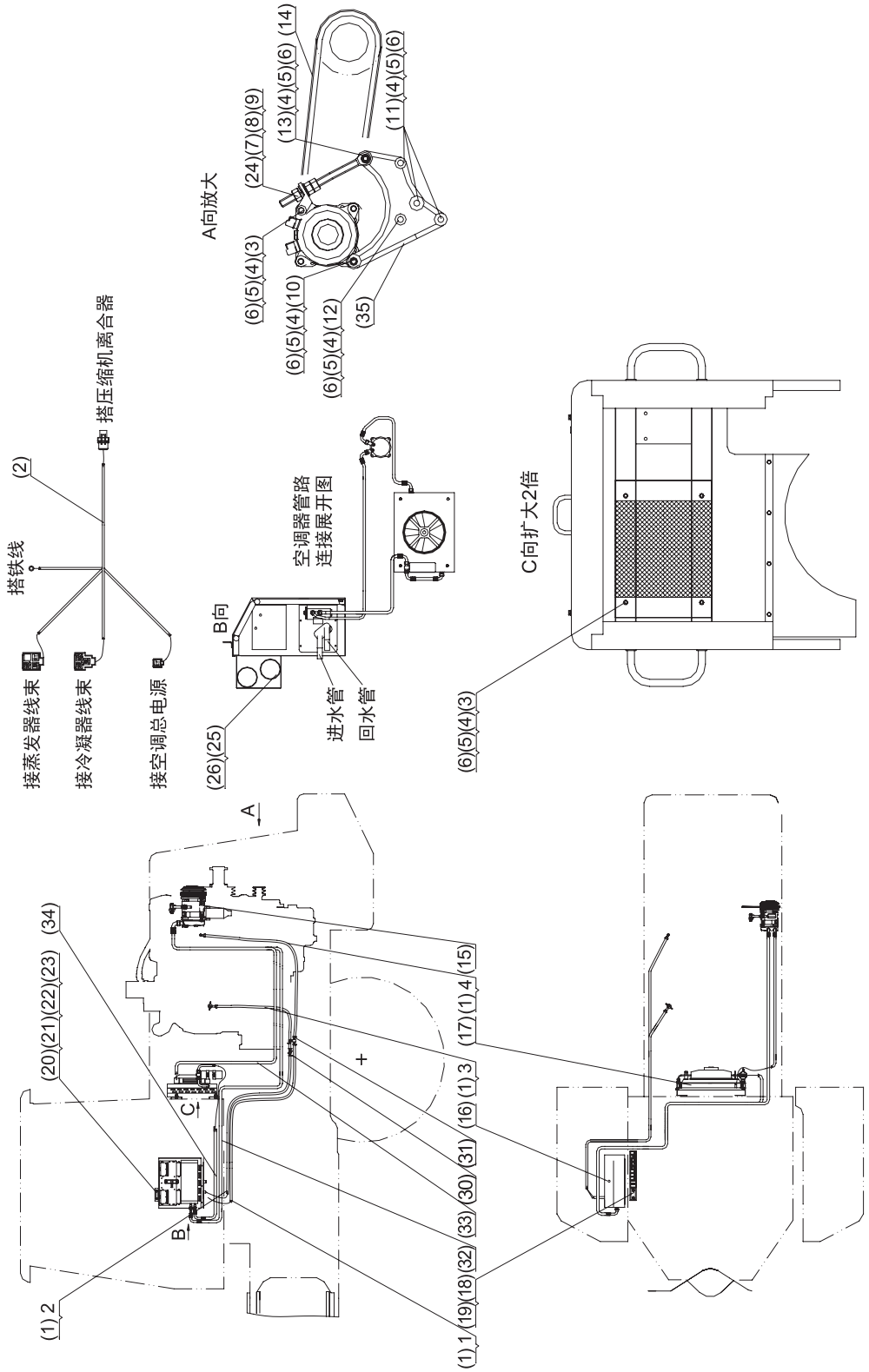
| 序号<br>NO. | 部件号<br>PART NO. | 零件名称<br>PART NAME | | 数量<br>Q'TY |
|---|---|---|---|---|
| 1 | DG956A-A17001 | 暖风机出水管 | Outlet pipe | 1 |
| 2 | DG956A-A17002 | 暖风机进水管 | Inlet pipe | 1 |
| 3 | DG956A-A17003 | 发动机进水管 | Inlet pipe | 1 |
| 4 | DG956A-A17004 | 发动机回水管 | Outlet pipe | 1 |

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# 第110图 空调系统(配上柴SC11CB220G2B1发动机)

# FIG.110 AIR CONDITIONER SYSTEM(FOR SHANGCHAI ENGINE)



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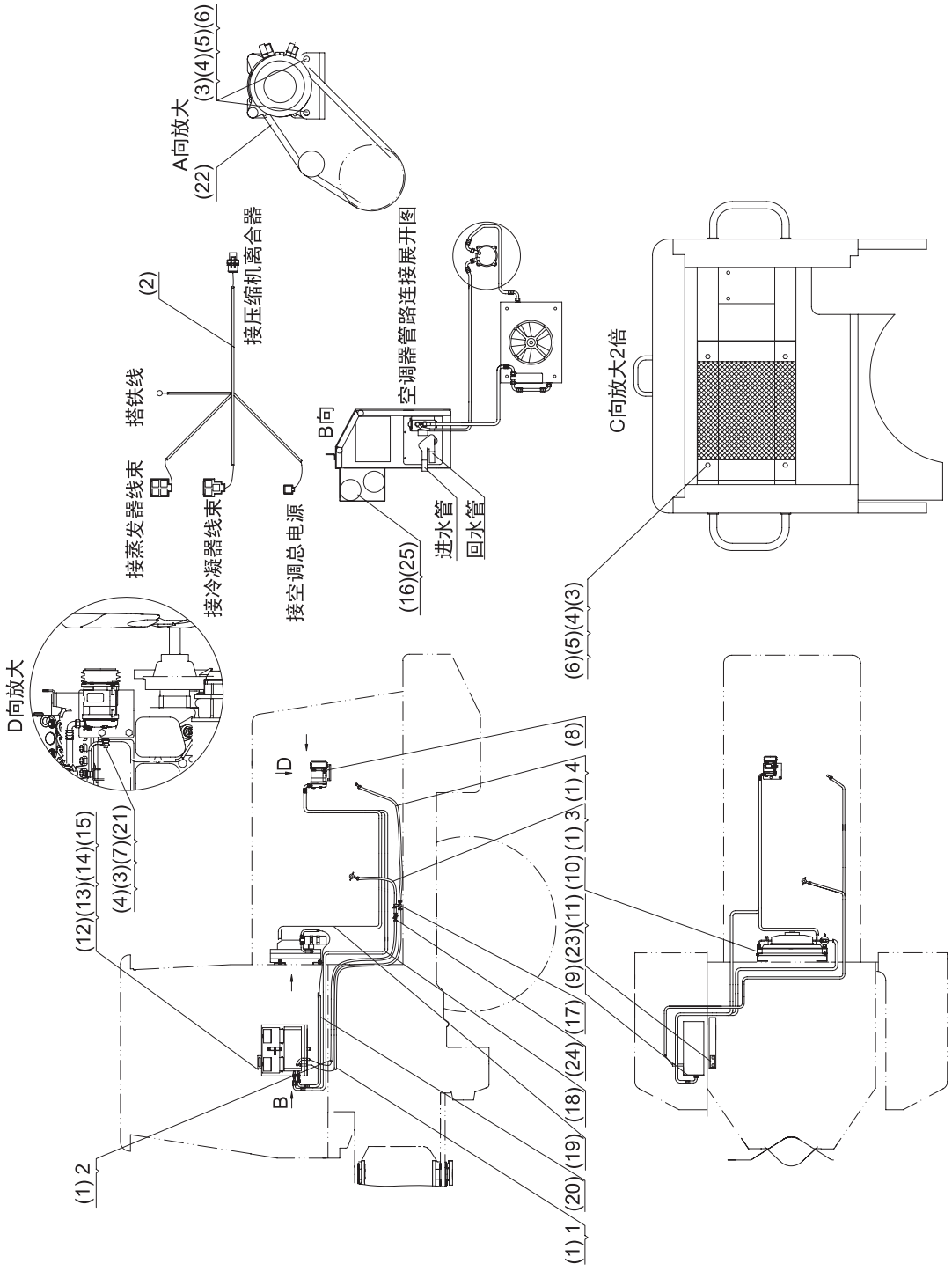
| 序号 NO. | 部件号 PART NO. | 零件名称 PART NAME | | 数量 Q'TY |
|---|---|---|---|---|
| 0 | D2061-52000 | 空调总成 | Air conditioner assy. | 1 |
| (1) | JB3618.1 16～25 | 双钢丝卡箍16～25 | Clamp | 8 |
| (2) | TSGX05010X | 空调线束 | Air condition wire | 1 |
| (3) | GB5781 M10×45 | 螺栓M10×45 | Bolt | 1 |
| (4) | GB93 10 | 垫圈10 | Washer | 1 |
| (5) | GB95 10 | 垫圈10 | Washer | 1 |
| (6) | GB6170 M10 | 螺母M10 | Nut | 1 |
| (7) | GB6170 M14 | 螺母M14 | Nut | 3 |
| (8) | GB95 14 | 垫圈 14 | Washer | 2 |
| (9) | GB93 14 | 垫圈14 | Washer | 1 |
| (10) | GB5781 M10×130 | 螺栓M10×130 | Bolt | 1 |
| (11) | GB5781 M10×100 | 螺栓M10×100 | Bolt | 1 |
| (12) | GB5781 M10×80 | 螺栓M10×80 | Bolt | 1 |
| (13) | GB5781 M10×65 | 螺栓M10×65 | Bolt | 1 |
| (14) | V13×1305 | 皮带 | Belt | 1 |
| (15) | DY5H14 | 压缩机 | Compressor | 1 |
| (16) | TSZW05.DG07 | 蒸发器 | Evaporator | 1 |
| (17) | TSL05-DG09 | 冷凝器总成 | Condenser asy | 1 |
| (18) | DG938-KTTJMB | 空调调节面板 | Air condition adjust panel | 1 |
| (19) | GB819 M4×12 | H螺钉M4×12 | H-screw | 4 |
| (20) | GB5781 M8×25 | 螺栓M8×25 | Bolt | 4 |
| (21) | GB93 8 | 垫圈8 | Washer | 4 |
| (22) | GB95 8 | 垫圈8 | Washer | 4 |
| (23) | GB6170 M8 | 螺母M8 | Nut | 4 |
| (24) | TSPZ.SYm-0001 | 涨紧螺栓 | Bolt | 1 |
| (25) | DG938-FD1 | 风道 | Duct | 2 |
| (26) | JB3618.1 65～70 | 双钢丝卡箍65～70 | Clamp | 4 |
| (30) | DG938-ZLF | 止流阀 | Only flow valve | 1 |
| (31) | TSZN05.DG01-02000000 | 放水开关 | Release switch | 1 |
| (32) | TSGX05008D | 蒸发器至压缩机低压胶管 | Hose | 1 |
| (33) | TSGX05008G1 | 压缩机至冷凝器高压胶管 | Hose | 1 |
| (34) | TSGX05007G2 | 干燥储液器至蒸发器高压胶管 | Hose | 1 |
| (35) | TSPZ.SYb-0000 | 压缩机支架 | Compressor frame | 1 |

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# 第111图 空调系统(配康明斯6CTA8.3–C215发动机)

# FIG.111 AIR CONDITIONER SYSTEM(FOR CUMMINS ENGINE)



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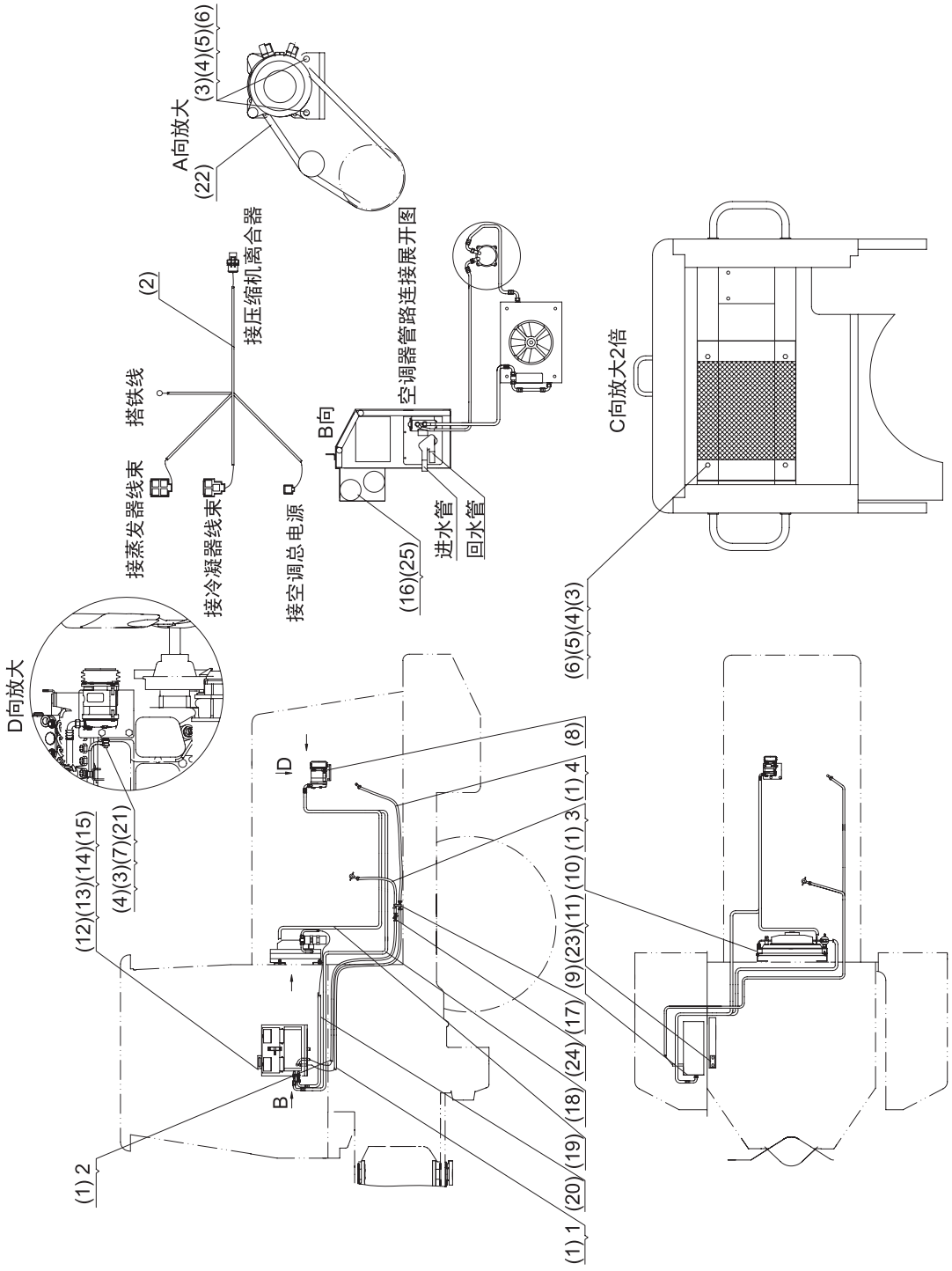
| 序号<br>NO. | 部件号<br>PART NO. | 零件名称<br>PART NAME | | 数量<br>Q'TY |
|---|---|---|---|---|
| 1 | DG956WIV-A17001 | 暖风机出水管 | Outlet pipe | 1 |
| 2 | DG956WIV-A17002 | 暖风机进水管 | Inlet pipe | 1 |
| 3 | DG956WIV-A17003 | 发动机进水管 | Engine inlet pipe | 1 |
| 4 | DG956WIV-A17004 | 发动机回水管 | Engine return pipe | 1 |

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# 第111图 空调系统(配康明斯6CTA8.3–C215发动机)

# FIG.111 AIR CONDITIONER SYSTEM(FOR CUMMINS ENGINE)



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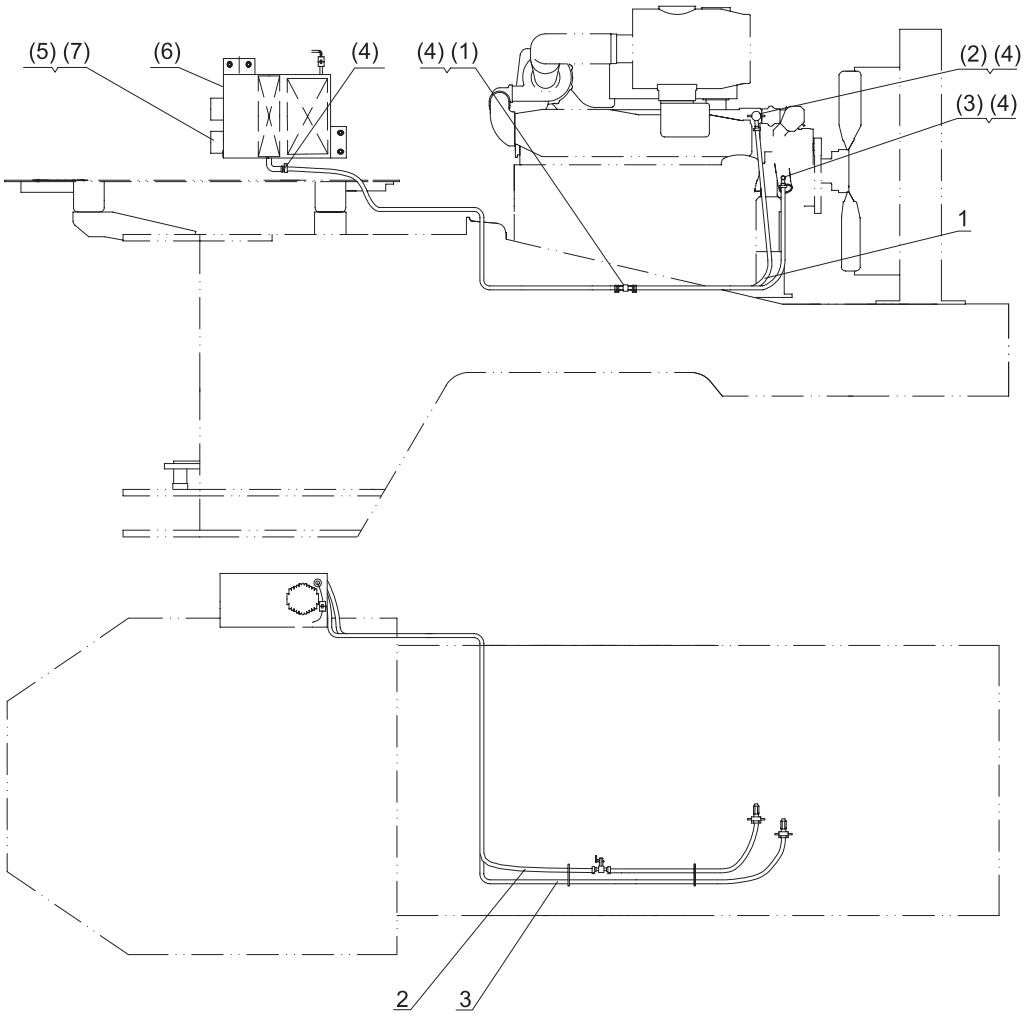
| 序号 NO. | 部件号 PART NO. | 零件名称 PART NAME | | 数量 Q'TY |
|---|---|---|---|---|
| 0 | D2061-53000 | 空调总成 | Air conditioner assy. | 1 |
| (1) | JB3618.1 16～25 | 双钢丝卡箍16～25 | Clamp | 8 |
| (2) | TSGX05010X | 空调线束 | Air conditioner wiring harness | 1 |
| (3) | GB95 10 | 垫圈10 | Washer | 15 |
| (4) | GB93 10 | 弹垫10 | Spring washer | 15 |
| (5) | GB6170 M10 | 螺母M10 | Nut | 12 |
| (6) | GB5781 M10×45 | 螺栓M10×45 | Bolt | 11 |
| (7) | GB5781 M10×35 | 螺栓M10×35 | Bolt | 3 |
| (8) | DY5H14 | 压缩机 | Compressor | 1 |
| (9) | TSZW05.DG07 | 蒸发器 | Evaporator | 1 |
| (10) | TSL05-DG09 | 冷凝器总成 | Condenser assy. | 1 |
| (11) | GB819 M4×12 | H螺钉M4×12 | Screw | 4 |
| (12) | GB5781 M8×25 | 螺栓M8×25 | Bolt | 1 |
| (13) | GB93 8 | 弹垫8 | Spring washer | 4 |
| (14) | GB95 8 | 垫圈8 | Washer | 4 |
| (15) | GB6170 M8 | 螺母M8 | Nut | 4 |
| (16) | GB3618.1 65～70 | 双钢丝卡箍65～70 | Clamp | 4 |
| (17) | TSZN05.DG01-02000000 | 放水开关 | Release switch | 1 |
| (18) | TSGX05007D | 蒸发器至压缩机低压胶管 | Hose | 1 |
| (19) | TSGX05007G1 | 压缩机至冷凝器高压胶管 | Hose | 1 |
| (20) | TSGX05007G2 | 干燥储液器至蒸发器高压胶管 | Hose | 1 |
| (21) | TSPZ.SYh-0000 | 压缩机支架 | Compressor frame | 1 |
| (22) | V13×1115 | 皮带 | Belt | 1 |
| (23) | DG938-KTTJMB | 空调调节面板 | Air conditioner adjusted panel | 1 |
| (24) | DG938-ZLF | 止流阀 | Check-valve | 1 |
| (25) | DG938-FD1 | 风道 | Duct | 2 |

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# 第112图 暖风系统(配潍柴发动机)

# FIG.112 WARM BRAW SYSTEM(FOR WEICHAI ENGINE)



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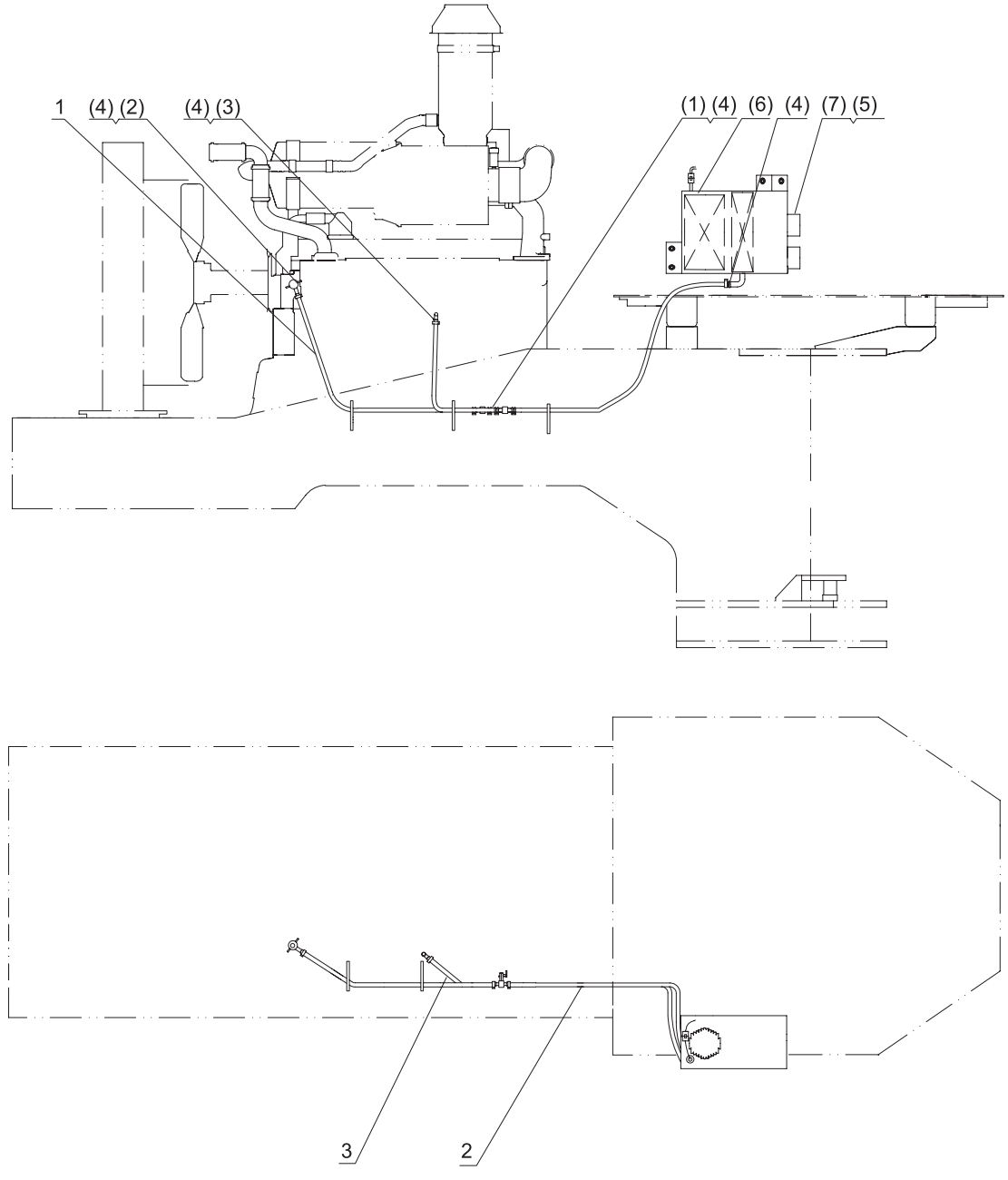
| 序号<br>NO. | 部件号<br>PART NO. | 零件名称<br>PART NAME | | 数量<br>Q'TY |
|---|---|---|---|---|
| 1 | DG956-01301 | 暖风机进水管1 | Inlet pipe 1 | 1 |
| 2 | DG956-01302 | 暖风机进水管2 | Inlet pipe 2 | 1 |
| 3 | DG956-01303 | 暖风机回水管 | Return pipe | 1 |
| (1) | DG956-FSFM | 放水阀门 | Tail water valve | 1 |
| (2) | DG956-JSFM | 进水阀门Z3/8″ | Inlet water valve | 1 |
| (3) | DG956-HSFM | 回水阀门NPT3/8″ | Backwater valve | 1 |
| (4) | JB3618.1 22～26 | 双钢丝卡箍22～26 | Clamp | 8 |
| (5) | JB3618.1 65～70 | 双钢丝卡箍65～70 | Clamp | 2 |
| (6) | D2071-00000 | 暖风机 | Heater unit | 1 |
| (7) | DG938-FD | 风道 | Air duct | 1 |

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# 第113图 暖风系统(配上柴SC11CB220G2B1发动机)

# FIG.113 WARM BRAW SYSTEM(FOR SHANGCHAI ENGINE)



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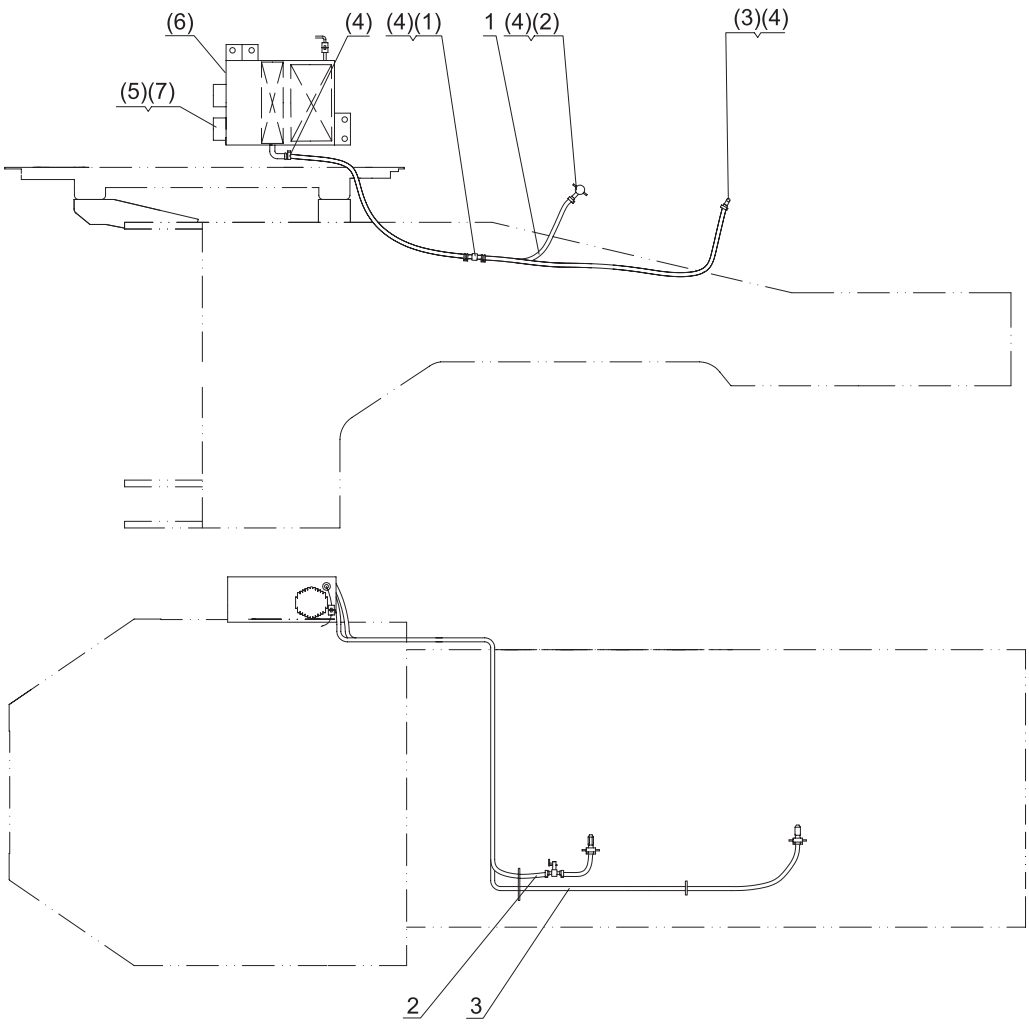
| 序号<br>NO. | 部件号<br>PART NO. | 零件名称<br>PART NAME | | 数量<br>Q'TY |
|---|---|---|---|---|
| 1 | DG956A-01301 | 暖风机进水管1 | Inlet pipe 1 | 1 |
| 2 | DG956A-01302 | 暖风机进水管2 | Inlet pipe 2 | 1 |
| 3 | DG956A-01303 | 暖风机回水管 | Return pipe | 1 |
| | | | | |
| (1) | DG956-FSFM | 放水阀门 | Tail water valve | 1 |
| (2) | DG956-JSFM | 进水阀门Z3/8″ | Inlet water valve | 1 |
| (3) | DG956-HSFM | 回水阀门NPT3/8″ | Backwater valve | 1 |
| (4) | JB3618.1 22～26 | 双钢丝卡箍22～26 | Clamp | 8 |
| (5) | JB3618.1 65～70 | 双钢丝卡箍65～70 | Clamp | 2 |
| (6) | D2071-00000 | 暖风机 | Heater unit | 1 |
| (7) | DG938-FD | 风道 | Air duct | 1 |

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# 第114图 暖风系统(配康明斯6CTA8.3–C215发动机)

# FIG.114 WARM BRAW SYSTEM(FOR CUMMINS ENGINE)



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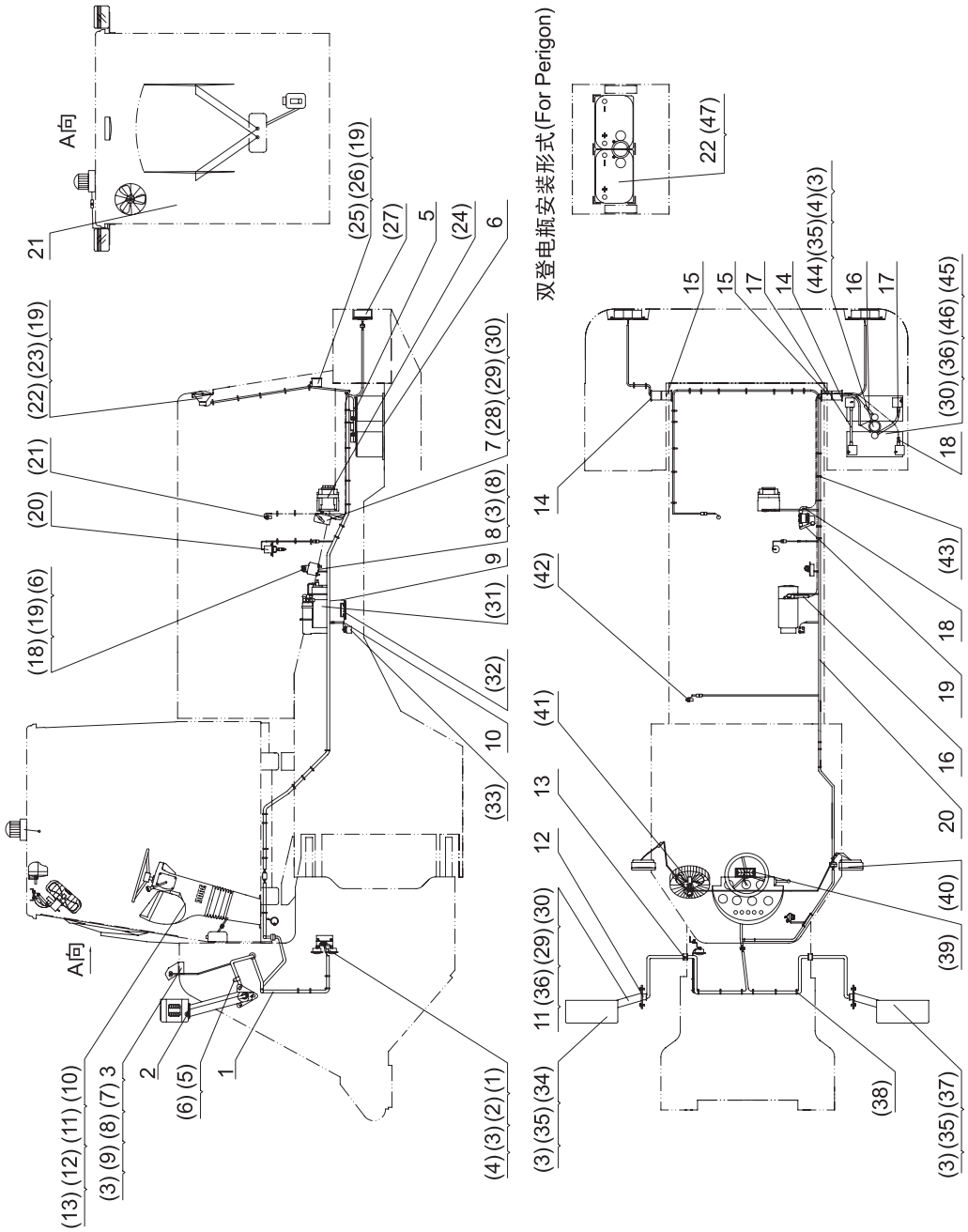
| 序号 NO. | 部件号 PART NO. | 零件名称 PART NAME | | 数量 Q'TY |
|---|---|---|---|---|
| 1 | DG956WIV-01301 | 暖风机进水管1 | Inlet pipe 1 | 1 |
| 2 | DG956WIV-01302 | 暖风机进水管2 | Inlet pipe 2 | 1 |
| 3 | DG956WIV-01303 | 暖风机回水管 | Return pipe | 1 |
| (1) | DG956-FSFM | 放水阀门 | Tail water valve | 1 |
| (2) | DG956-JSFM | 进水阀门Z3/8″ | Inlet water valve | 1 |
| (3) | DG956-HSFM | 回水阀门NPT3/8″ | Backwater valve | 1 |
| (4) | JB3618.1 22～26 | 双钢丝卡箍22～26 | Clamp | 8 |
| (5) | JB3618.1 65～70 | 双钢丝卡箍65～70 | Clamp | 2 |
| (6) | D2071-00000 | 暖风机 | Heater unit | 1 |
| (7) | DG938-FD | 风道 | Air duct | 1 |

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# 第115图 电气系统

# FIG.115 ELECTRICAL SYSTEM



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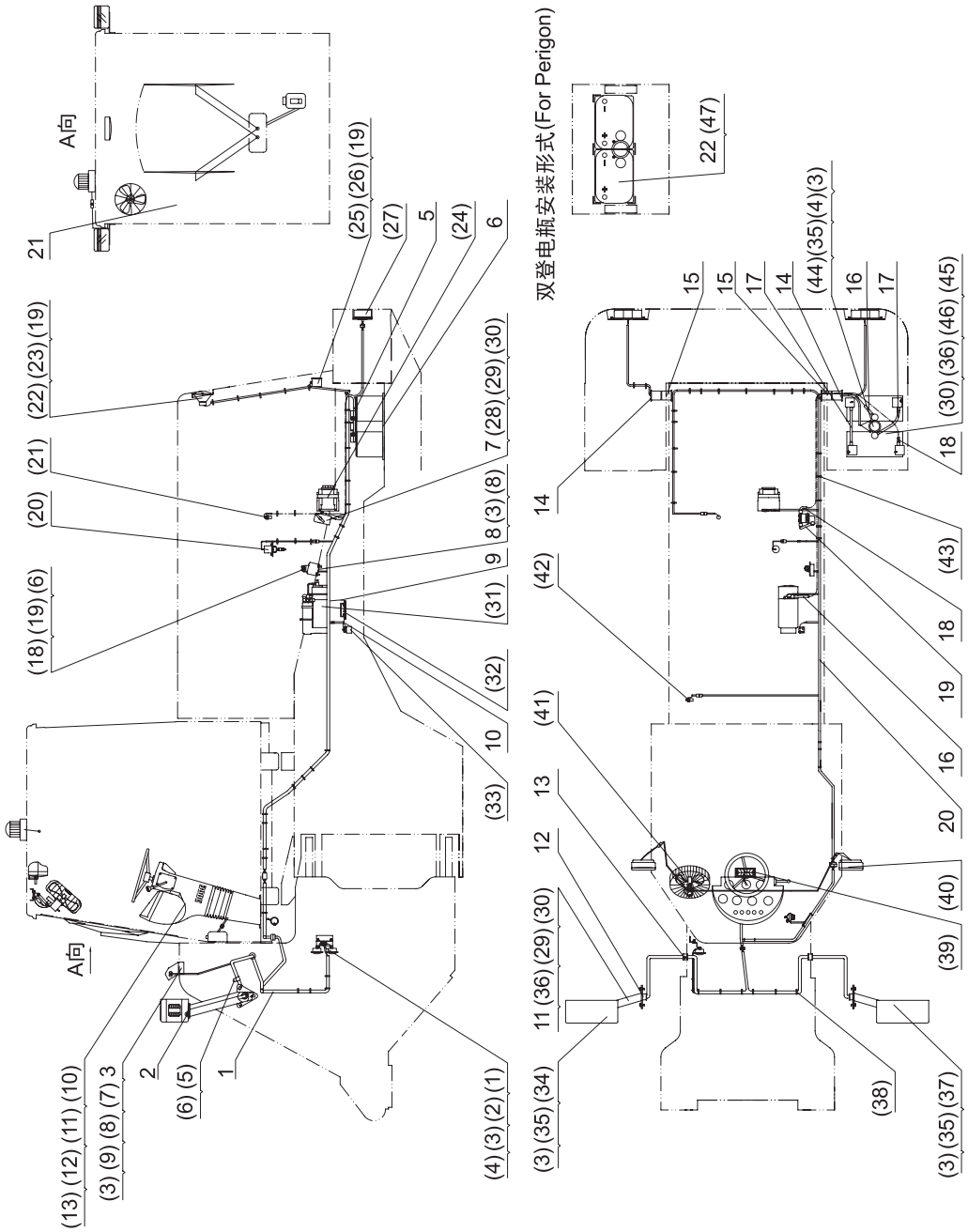
| 序号 NO. | 部件号 PART NO. | 零件名称 PART NAME | | 数量 Q'TY |
|---|---|---|---|---|
| 1 | DG966-15006防 | 前线束 | Front wiring harness | 1 |
| 2 | ZL18-15022 | 绝缘套3 | Insulation covering 3 | 2 |
| 3 | DG966-15022 | 护板(先导操纵用) | Protective board(for Pilot control) | 1 |
| 5 | ZL50G2-15025 | 橡胶板100×180 | Rubber board | 1 |
| 6 | ZL50G2-15001 | 橡胶板400×180 | Rubber board | 2 |
| 7 | ZL50G3-15019 | 电源开关安装版 | Mounting board to power switch | 1 |
| 8 | ZL50G2-15023 | 安装版 | Mounting board | 1 |
| 9 | DG956WⅣ-15020 | 预热线束1 (配康明斯用) | Preheating wiring harness 1(for CUMMINS) | 1 |
| 10 | DG956WⅣ-15021 | 预热线束2(配康明斯用) | Preheating wiring harness 2(for CUMMINS) | 1 |
| 11 | ZL50G2-A15008-R | 灯架总成(右) | Lamp frame assy.(R) | 1 |
| | ZL50G2-A15008-L | 灯架总成(左) | Lamp frame assy.(L) | 1 |
| 12 | ZL18-15021 | 绝缘套2 | Insulation covering 2 | 2 |
| 13 | ZL50G2-15013 | 绝缘套1 | Insulation covering 1 | 2 |
| 14 | ZL50G2-15024 | 绝缘套 | Insulation covering | 4 |
| 15 | ZL50G2-15026 | 橡胶保护套φ32×260 | Rubber protective covering | 2 |
| 16 | DG956WⅡ-15003 | 起动机电源线 | Starter power cord | 1 |
| | DG956WI-15003 | 起动机电源线(配潍柴用) | Starter power cord(for WEICHAI) | 1 |
| 17 | ZL50G2-15010 | 电瓶连接线 | Battery connecting wire | 2 |
| 18 | ZL50G2-15011 | 电瓶搭铁线 | Battery ground wire | 1 |
| 19 | ZL50G2-15012 | 搭铁线 | Ground wire | 1 |
| 20 | DG956WI-15004防 | 后线束(配潍柴用) | Rear wiring harness(for WEICHAI) | 1 |
| | DG956WII-15004防 | 后线束(配上柴用) | Rear wiring harness(for SHANGCHAI) | 1 |
| | DG956WIV-15004防 | 后线束(配康明斯用) | Rear wiring harness(for CUMMINS) | 1 |
| 21 | DG953-B15013 | 驾驶室电气安装图 | Driver′s cab electrical fitting drawing | 1 |
| 22 | ZL50G2-15001A | 橡胶板490×180 | Rubber board | 1 |

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# 第115图 电气系统

# FIG.115 ELECTRICAL SYSTEM



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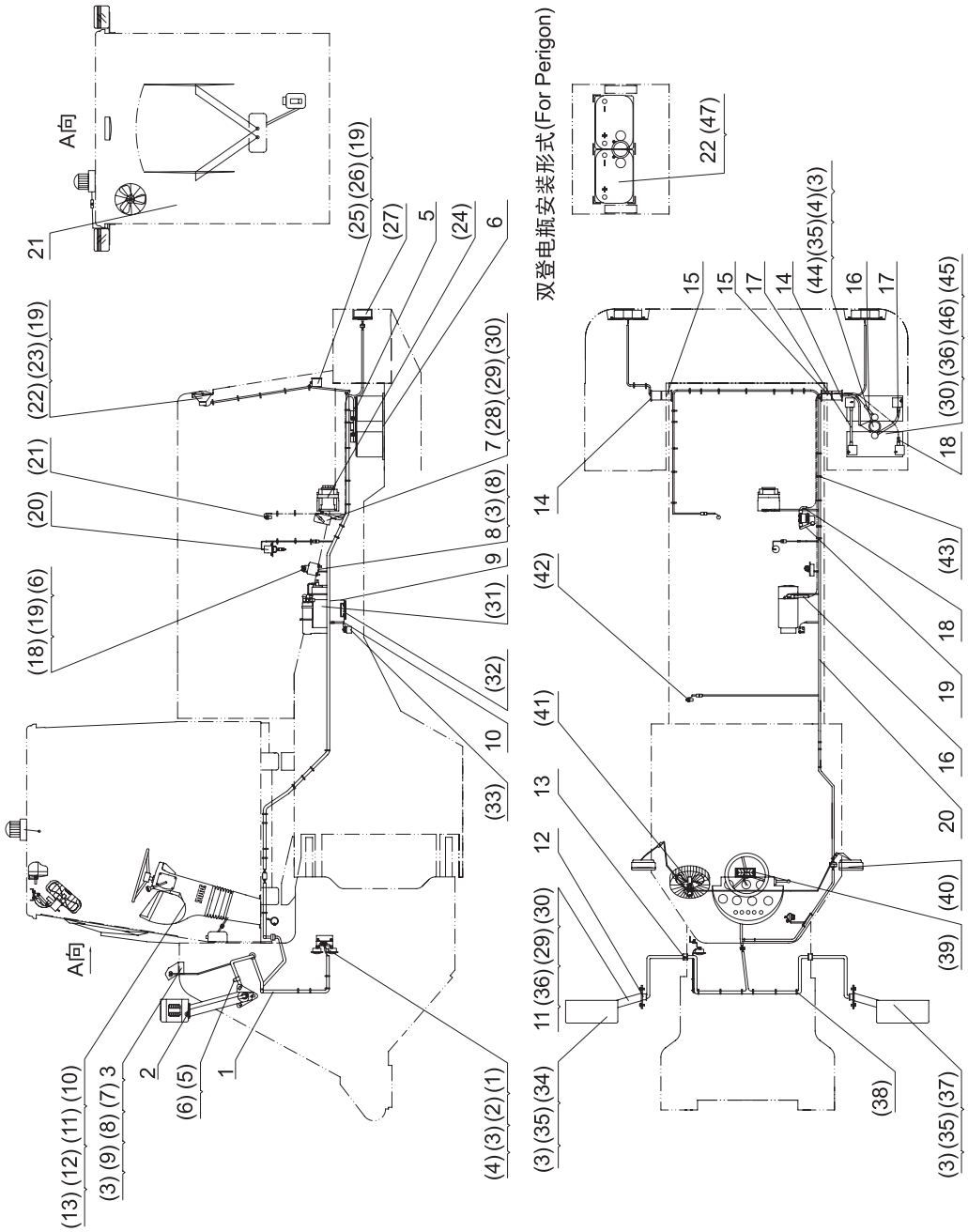
| 序号 NO. | 部件号 PART NO. | 零件名称 PART NAME | | 数量 Q'TY |
|---|---|---|---|---|
| (1) | D2712-12500 | 双音盆型喇叭 | Twin-horn set | 1 |
| (2) | GB5781 M8×25 | 螺栓M8×25 | Bolt | 2 |
| (3) | GB93 8 | 弹垫8 | Spring washer | 16 |
| (4) | GB6170 M8 | 螺母M8 | Nut | 4 |
| (5) | D2930-01400 | 连胶条卡箍 | Clamp | 8 |
| (6) | GB818 M6×16 | 螺栓M6×16 | Bolt | 14 |
| (7) | D2580-01800 | 电磁式接近开关(先导操纵用) | Battery main switch(for pilot) | 1 |
| (8) | GB5781 M8×20 | 螺栓M8×20 | Bolt | 4 |
| (9) | GB95 8 | 垫圈8 | Washer | 2 |
| (10) | D2220-05004 | 仪表台(配上柴、徐州思达) | Instrument desk assy. | 1 |
| | D2220-05014 | 仪表台(配上柴、江苏华骋) | Instrument desk assy. | 1 |
| | D2220-05001 | 仪表台(配康明斯、潍柴、徐州思达) | Instrument desk assy. | 1 |
| | D2220-05011 | 仪表台(配康明斯、潍柴、江苏华骋) | Instrument desk assy. | 1 |
| (11) | GB5783 M12×30 | 螺栓M12×30 | Bolt | 4 |
| (12) | GB95 12 | 垫圈12 | Washer | 4 |
| (13) | GB93 12 | 弹垫12 | Spring washer | 4 |
| (18) | D2670-00001 | 启动继电器 | Starting relay | 1 |
| (19) | GB93 6 | 弹垫6 | Spring washer | 8 |
| (20) | D2680-02400 | 熄火电磁铁(上柴带) | Flameout electromagnet (SHANGCHAI with) | 1 |
| | D2680-02500 | 熄火电磁铁(潍柴带) | Flameout electromagnet (WEICHAI with) | 1 |
| | D2680-00001 | 熄火电磁铁(康明斯带) | Flameout electromagnet ( CUMMINS with) | 1 |
| (21) | D2310-00001 | 水温传感器(配康明斯用) | Water temperature sensor(for CUMMINS) | 1 |
| | D2310-00003 | 水温传感器 | Water temperature sensor | 1 |
| (22) | D2480-05500 | 方形后大灯 | Rear big lamp | 2 |
| (23) | GB 818 M6×20 | 螺栓M6×20 | Bolt | 4 |
| (24) | D2031-06301 | 发电机总成(上柴带) | Generator assy. (SHANGCHAI with) | 1 |
| | D2031-06300 | 发电机总成(潍柴带) | Generator assy. (WEICHAI with) | 1 |
| | D2031-07000 | 发电机总成(康明斯带) | Generator assy. (CUMMINS with) | 1 |

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# 第115图 电气系统

# FIG.115 ELECTRICAL SYSTEM



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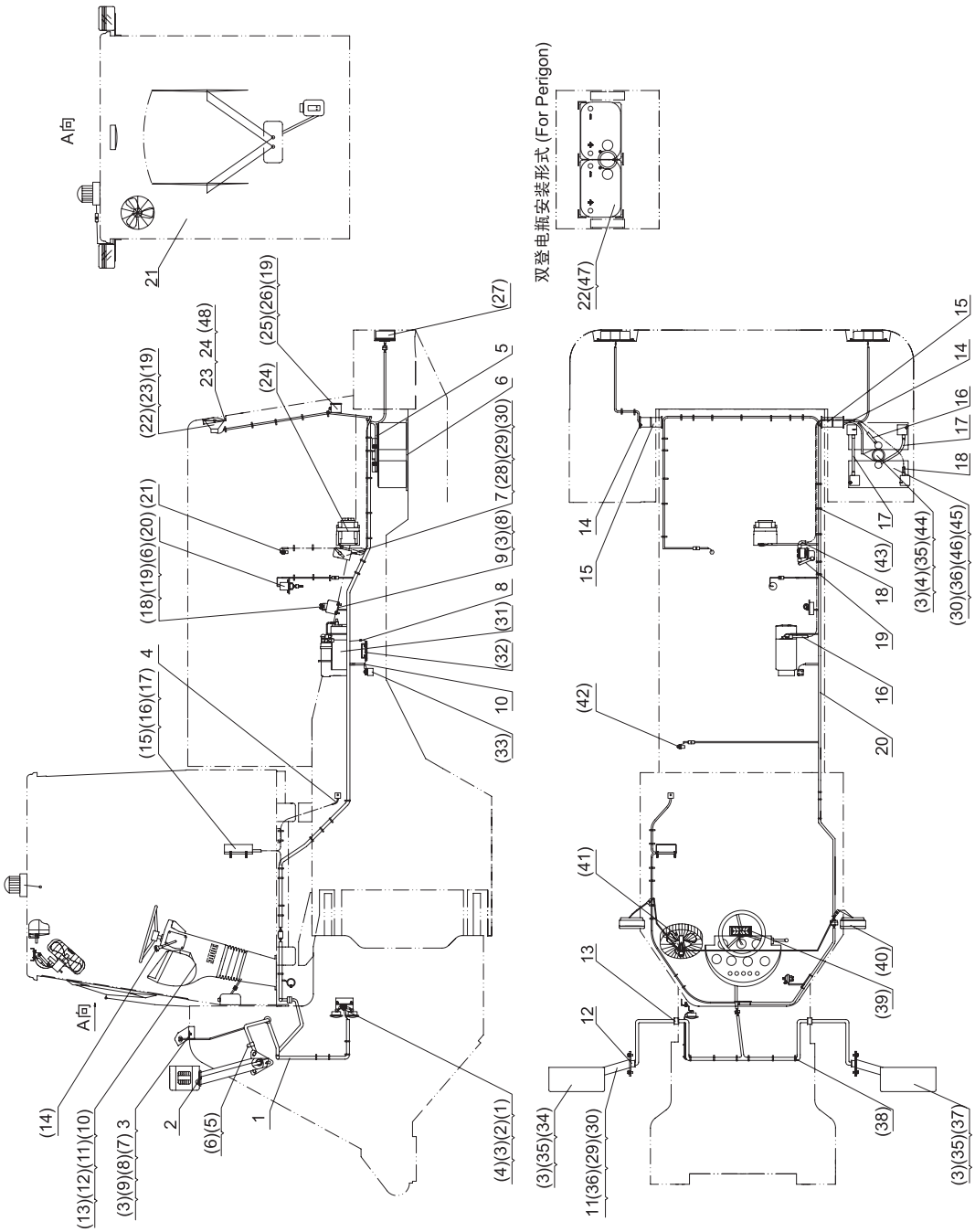
| 序号 NO. | 部件号 PART NO. | 零件名称 PART NAME | | 数量 Q'TY |
|---|---|---|---|---|
| (25) | D2730-08501 | 倒车报警器 | Back-up warner | 1 |
| (26) | GB818 M6×12 | 螺栓M6×12 | Bolt | 2 |
| (27) | D2443-03701 | 三宇后灯 | SANYU rear lamp | 2 |
| (28) | D2551-15000 | 手动电源开关 | Manual power switch | 1 |
| (29) | GB5781 M10×25 | 螺栓M10×25 | Bolt | 8 |
| (30) | GB93 10 | 弹垫10 | Spring washer | 12 |
| (31) | D2051-00700 | 起动机总成(上柴带) | Starter assy.( SHANGCHAI with) | 1 |
| | D2051-00800 | 起动机总成(潍柴用) | Starter assy.(WEICHAI with) | 1 |
| | D2051-00801 | 起动机总成(康明斯带) | Starter assy.( CUMMINS with) | 1 |
| (32) | D2772-15000 | 吉门保险(配康明斯用) | ZEEMAN insurance(for CUMMINS) | 1 |
| (33) | D2610-10000 | 继电器(康明斯带) | Relay(Cummins with) | 1 |
| (34) | D2400-07502 | 右前组合大灯 | R/F big lamp | 1 |
| (35) | GB5781 M8×30 | 螺栓M8×30 | Bolt | 10 |
| (36) | GB95 10 | 垫圈10 | Washer | 8 |
| (37) | D2400-07501 | 左前组合大灯 | L/F big lamp | 1 |
| (38) | D2900-15000 | 可松开锁式扎带150×8 | Clamp | 44 |
| (39) | D2430-00501 | 顶灯 | Top lamp | 1 |
| (40) | D2470-07500 | 工作灯 | Work lamp | 2 |
| (41) | D2830-00600 | 风扇 | Fan | 1 |
| (42) | D2310-00001 | 变矩器油温传感器 | Oil temperature sensor, torque converter | 1 |
| (43) | D2900-20000 | 可松开锁式扎带200×8 | Clamp | 22 |
| (44) | D2601-30000 | 电磁式电源总开关 | Electromagnetic switch | 1 |
| (45) | D2011-12000 | 免维护蓄电池总成 | Accumulator assy. | 1 |
| (46) | GB 6170 M10 | 螺母M10 | Nut | 4 |
| (47) | D2011-05000 | 免维护蓄电池总成(选装) | Accumulator assy. (optinoal) | 1 |

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# 第116图 SL50W-3电气系统

# FIG.116 ELECTRICAL SYSTEM



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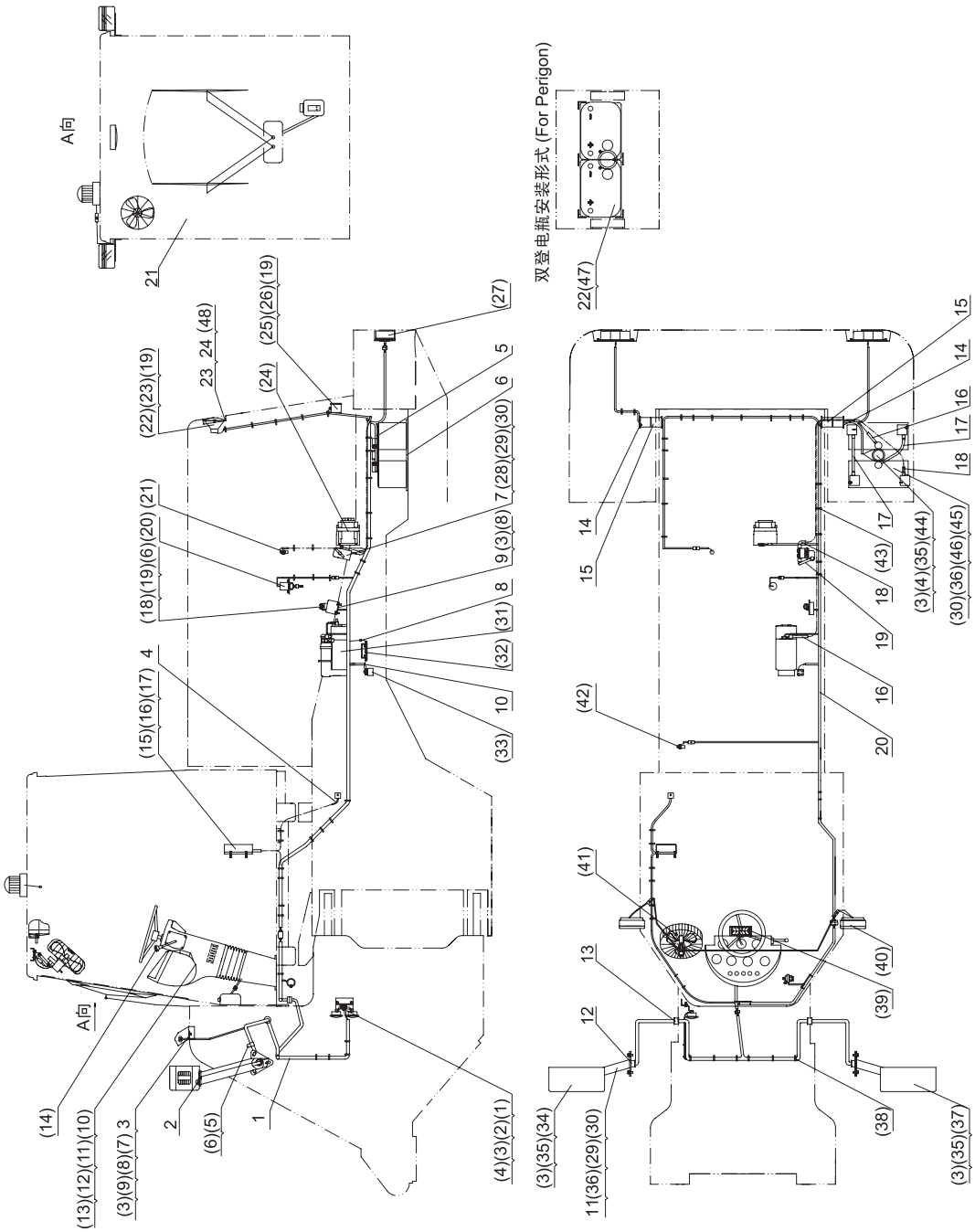
| 序号 NO. | 部件号 PART NO. | 零件名称 PART NAME | | 数量 Q'TY |
|---|---|---|---|---|
| 1 | DG966-15006防 | 前线束 | Front wiring harness | 1 |
| 2 | ZL18-15022 | 绝缘套3 | Insulation covering 3 | 2 |
| 3 | DG966-15022 | 护板(先导操纵用) | Protective board(for Pilot control) | 1 |
| 4 | DG956WⅡ-15500 | 电脑盒线束 | Wiring harness to computer box | 1 |
| 5 | ZL50G2-15025 | 橡胶板100×180 | Rubber board | 1 |
| 6 | ZL50G2-15001 | 橡胶板400×180 | Rubber board | 2 |
| 7 | ZL50G3-15019 | 电源开关安装版 | Mounting board to power switch | 1 |
| 8 | ZL50G2-15023 | 安装版 | Mounting board | 1 |
| 9 | DG956WⅣ-15020 | 预热线束1 (配康明斯用) | Preheating wiring harness 1(for CUMMINS) | 1 |
| 10 | DG956WⅣ-15021 | 预热线束2(配康明斯用) | Preheating wiring harness 2(for CUMMINS) | 1 |
| 11 | ZL50G2-A15008-R | 灯架总成(右) | Lamp frame assy.(R) | 1 |
| | ZL50G2-A15008-L | 灯架总成(左) | Lamp frame assy.(L) | 1 |
| 12 | ZL18-15021 | 绝缘套2 | Insulation covering 2 | 2 |
| 13 | ZL50G2-15013 | 绝缘套1 | Insulation covering 1 | 2 |
| 14 | ZL50G2-15024 | 绝缘套 | Insulation covering | 4 |
| 15 | ZL50G2-15026 | 橡胶保护套φ32×260 | Rubber protective covering | 2 |
| 16 | DG956WⅡ-15003 | 起动机电源线 | Starter power cord | 1 |
| | DG956WI-15003 | 起动机电源线(配潍柴用) | Starter power cord (for WEICHAI) | 1 |
| 17 | ZL50G2-15010 | 电瓶连接线 | Battery connecting wire | 2 |
| 18 | ZL50G2-15011 | 电瓶搭铁线 | Battery ground wire | 1 |
| 19 | ZL50G2-15012 | 搭铁线 | Ground wire | 1 |
| 20 | DG956WI-15004防 | 后线束(配潍柴用) | Rear wiring harness (for WEICHAI) | 1 |
| | DG956WII-15004防 | 后线束(配上柴用) | Rear wiring harness (for SHANGCHAI) | 1 |
| | DG956WIV-15004防 | 后线束(配康明斯用) | Rear wiring harness (for CUMMINS) | 1 |
| 21 | DG953-B15013 | 驾驶室电气安装图 | Driver′s cab electrical fitting drawing | 1 |
| 22 | ZL50G2-15001A | 橡胶板490×180 | Rubber board | 1 |
| 23 | ZL50G2-15030 | 右后灯罩总成(配WD10G220E21) | R/r shade assy | 1 |
| 24 | ZL50G2-15031 | 左后灯罩总成(配WD10G220E21) | L/r shade assy | 1 |

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# 第116图 SL50W–3电气系统

# FIG.116 ELECTRICAL SYSTEM



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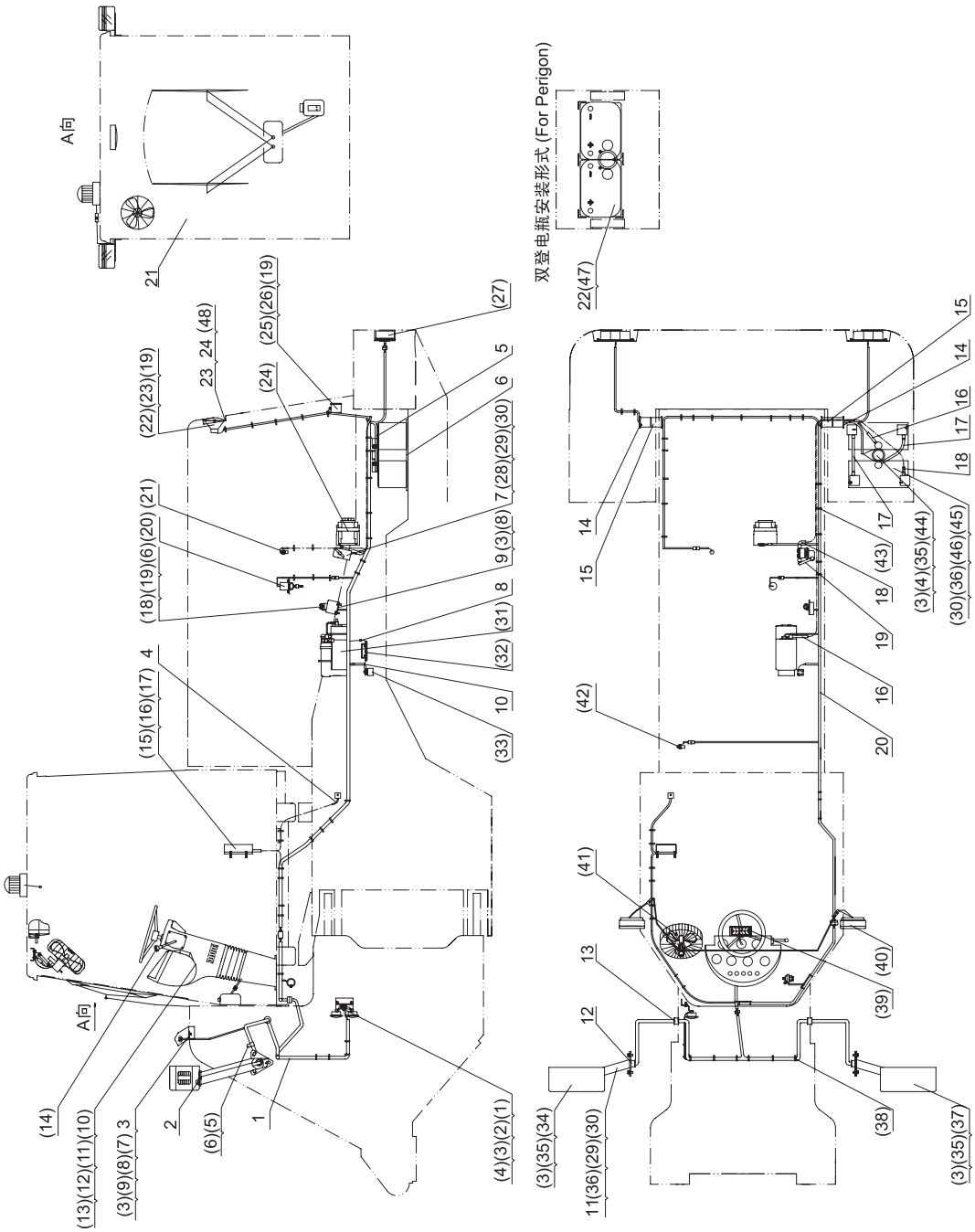
| 序号 NO. | 部件号 PART NO. | 零件名称 PART NAME | | 数量 Q'TY |
|---|---|---|---|---|
| (1) | D2712-12500 | 双音盆型喇叭 | Twin-horn set | 1 |
| (2) | GB5781 M8×25 | 螺栓M8×25 | Bolt | 2 |
| (3) | GB93 8 | 弹垫8 | Spring washer | 16 |
| (4) | GB6170 M8 | 螺母M8 | Nut | 4 |
| (5) | D2930-01400 | 连胶条卡箍 | Clamp | 8 |
| (6) | GB818 M6×16 | 螺栓M6×16 | Bolt | 14 |
| (7) | D2580-01800 | 电磁式接近开关(先导操纵用) | Battery main switch(for pilot) | 1 |
| (8) | GB5781 M8×20 | 螺栓M8×20 | Bolt | 4 |
| (9) | GB95 8 | 垫圈8 | Washer | 8 |
| (10) | D2220-05002 | 仪表台(配上柴、徐州思达) | Instrument desk assy. | 1 |
| | D2220-05012 | 仪表台(配上柴、江苏华骋) | Instrument desk assy. | 1 |
| | D2220-05003 | 仪表台(配康明斯、潍柴、徐州思达) | Instrument desk assy. | 1 |
| | D2220-05013 | 仪表台(配康明斯、潍柴、江苏华骋) | Instrument desk assy. | 1 |
| (11) | GB5783 M12×30 | 螺栓M12×30 | Bolt | 4 |
| (12) | GB95 12 | 垫圈12 | Washer | 4 |
| (13) | GB93 12 | 弹垫12 | Spring washer | 4 |
| (14) | D2950-00000 | 电控手柄 | Electric control handle | 1 |
| (15) | D2940-00000 | 电控控制器 | Control device | 1 |
| (16) | GB5781 M6×30 | 半圆头螺钉M6×30 | Screw | 4 |
| (17) | GB6170 M6 | 螺母M6 | Nut | 4 |
| (18) | D2670-00001 | 启动继电器 | Starting relay | 1 |
| (19) | GB93 6 | 弹垫6 | Spring washer | 7 |
| (20) | D2680-02400 | 熄火电磁铁(上柴带) | Flameout electromagnet (SHANGCHAI with) | 1 |
| | D2680-02500 | 熄火电磁铁(潍柴带) | Flameout electromagnet (WEICHAI with) | 1 |
| | D2680-00001 | 熄火电磁铁(康明斯带) | Flameout electromagnet ( CUMMINS with) | 1 |
| (21) | D2310-00001 | 水温传感器(配康明斯用) | Water temperature sensor (for CUMMINS) | 1 |
| | D2310-00003 | 水温传感器 | Water temperature sensor | 1 |
| (22) | D2480-05500 | 方形后大灯 | Rear big lamp | 2 |
| (23) | GB 818 M6×20 | 螺栓M6×20 | Bolt | 4 |
| (24) | D2031-06301 | 发电机总成(上柴带) | Generator assy.(SHANGCHAI with) | 1 |
| | D2031-06300 | 发电机总成(潍柴带) | Generator assy.(WEICHAI with) | 1 |
| | D2031-07000 | 发电机总成(康明斯带) | Generator assy.(CUMMINS with) | 1 |

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# 第116图 SL50W-3电气系统

# FIG.116 ELECTRICAL SYSTEM



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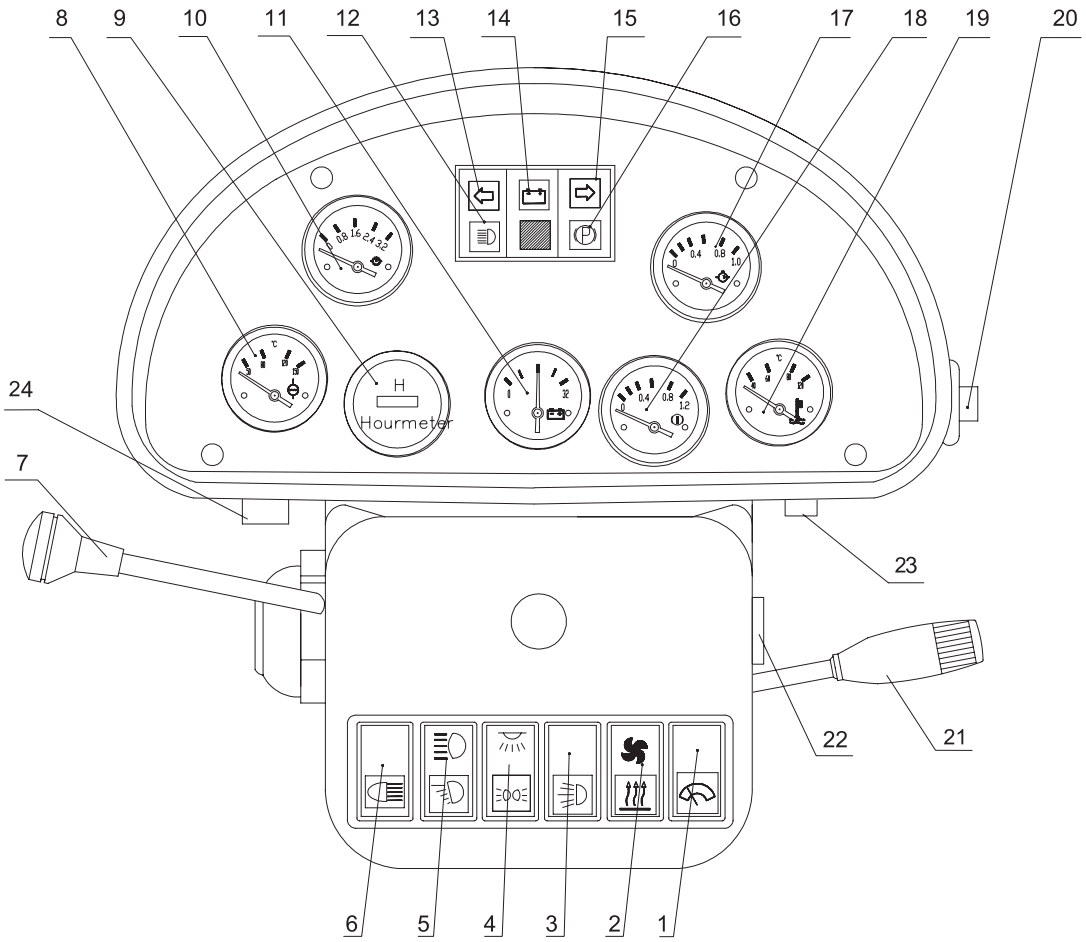
| 序号 NO. | 部件号 PART NO. | 零件名称 PART NAME | | 数量 Q'TY |
|---|---|---|---|---|
| (25) | D2730-08501 | 倒车报警器 | Back-up warner | 1 |
| (26) | GB818 M6×12 | 螺栓M6×12 | Bolt | 2 |
| (27) | D2443-03701 | 三宇后灯 | SANYU rear lamp | 2 |
| (28) | D2551-15000 | 手动电源开关 | Manual power switch | 1 |
| (29) | GB5781 M10×25 | 螺栓M10×25 | Bolt | 8 |
| (30) | GB93 10 | 弹垫10 | Spring washer | 12 |
| (31) | D2051-00700 | 起动机总成(上柴带) | Starter assy.( SHANGCHAI with) | 1 |
| | D2051-00800 | 起动机总成(潍柴用) | Starter assy.(WEICHAI with) | 1 |
| | D2051-00801 | 起动机总成(康明斯带) | Starter assy.( CUMMINS with) | 1 |
| (32) | D2772-15000 | 吉门保险(配康明斯用) | ZEEMAN insurance(for CUMMINS) | 1 |
| (33) | D2610-10000 | 继电器(康明斯带) Relay | Relay(Cummins with) | 1 |
| (34) | D2400-07502 | 右前组合大灯 | R/F big lamp | 1 |
| (35) | GB5781 M8×30 | 螺栓M8×30 | Bolt | 12 |
| (36) | GB95 10 | 垫圈10 | Washer | 8 |
| (37) | D2400-07501 | 左前组合大灯 | L/F big lamp | 1 |
| (38) | D2900-15000 | 可松开锁式扎带150×8 | Clamp | 44 |
| (39) | D2430-00501 | 顶灯 | Top lamp | 1 |
| (40) | D2470-07500 | 工作灯 | Work lamp | 2 |
| (41) | D2830-00600 | 风扇 | Fan | 1 |
| (42) | D2310-00001 | 变矩器油温传感器 | Oil temperature sensor, torque converter | 1 |
| (43) | D2900-20000 | 可松开锁式扎带200×8 | Clamp | 22 |
| (44) | D2601-30000 | 电磁式电源总开关 | Electromagnetic switch | 1 |
| (45) | D2011-12000 | 免维护蓄电池总成 | Accumulator assy. | 1 |
| (46) | GB 6170 M10 | 螺母M10 | Nut | 4 |
| (47) | D2011-05000 | 免维护蓄电池总成(选装) | Accumulator assy. (optinoal) | 1 |
| (48) | D2481-07500 | 后大灯(配WD10G220E21) | Rear lamp | 2 |

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# 第117图 仪表台(徐州思达)

# FIG.117 INSTRUMENT DESK(Xuzhou SIDA)



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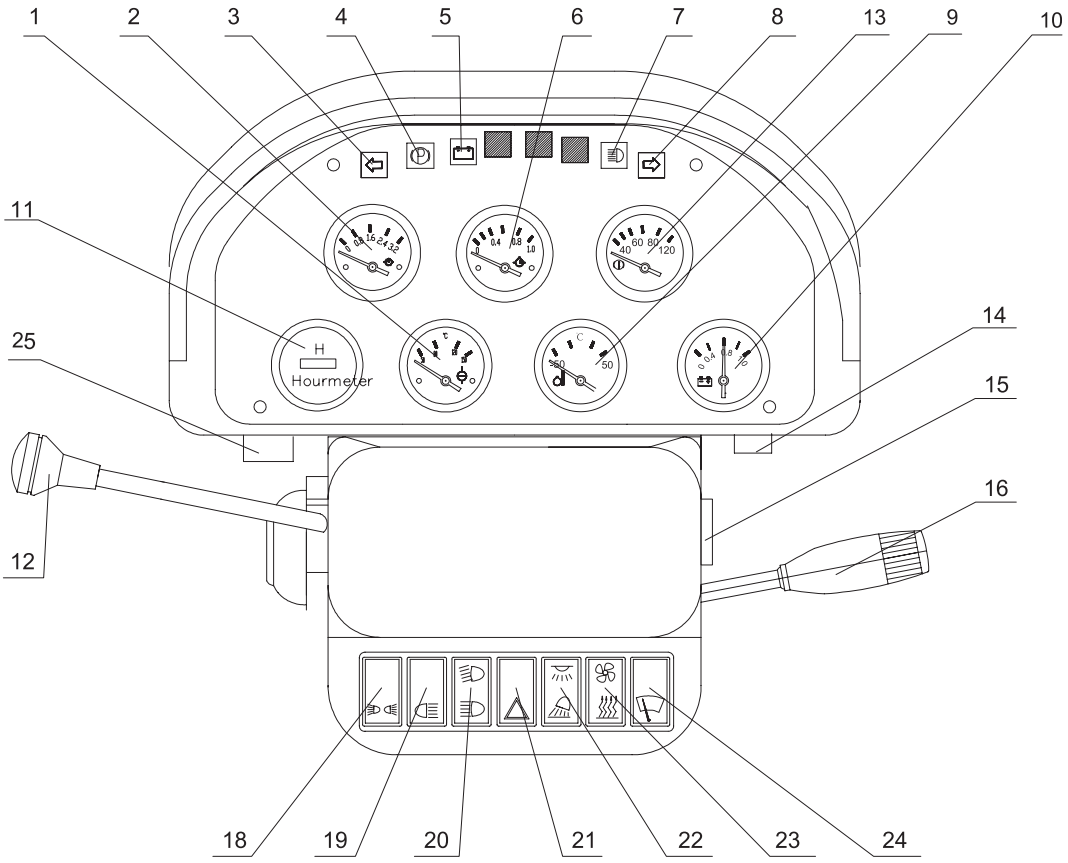
| 序号 NO. | 部件号 PART NO. | 零件名称 PART NAME | | 数量 Q'TY |
|---|---|---|---|---|
| 1 | D2540-04702 | 雨刷开关 | Wiper switch | 1 |
| 2 | D2541-14802 | 风扇、暖风开关 | Fan/warm braw switch | 1 |
| 3 | D2542-00202 | 工作灯开关 | Work lamp switch | 1 |
| 4 | D2511-08700 | 小灯、顶灯开关 | Small lamp and top lamp switch | 1 |
| 5 | D2544-14802 | 前灯远近光开关 | Far and near beam for front lamp | 1 |
| 6 | D2545-00202 | 后灯开关 | Rear lamp switch | 1 |
| 7 | D2910-25500 | 操纵软轴 | Control flexible shaft | 1 |
| 8 | D2121-14001 | 变矩器油温表 | Oil temperature meter, torque converter | 1 |
| 9 | D2171-00000 | 工时表 | Man-hour meter | 1 |
| 10 | D2163-03200 | 变速压力表 | Shift gears pressure meter | 1 |
| 11 | D2140-03200 | 电压表 | Voltmeter | 1 |
| 12 | D2460-00000 | 前大灯远光指示灯 | Far beam indicator light for headlight | 1 |
| 13 | D2461-00000 | 左转向指示灯 | Left steering indicator light | 1 |
| 14 | D2462-00000 | 电源指示灯 | Power indicator light | 1 |
| 15 | D2463-00000 | 右转向指示灯 | Right steering indicator light | 1 |
| 16 | D2464-00000 | 刹车指示灯 | Brake indicator light | 1 |
| 17 | D2103-01000 | 发动机油压表 | Oil pressure meter for engine | 1 |
| 18 | D2190-01200 | 气压表 | Air pressure meter | 1 |
| 19 | D2113-12000 | 发动机水温表 | Water temperature for engine | 1 |
| 20 | D2510-05001 | 危机按钮开关 | Critical button switch | 1 |
| 21 | D2560-00001 | 组合开关 | Combined switch | 1 |
| 22 | D2763-02001 | 保险丝盒 | Fuse box | 1 |
| 23 | D2500-41201 | 启动开关 | Start switch | 1 |
| 24 | D2780-00001 | 备用电源 | Reserve power | 1 |

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# 第118图 仪表台(江苏华骋)

# FIG.118 INSTRUMENT DESK (Jiangsu HUACHENG)



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| 序号 NO. | 部件号 PART NO. | 零件名称 PART NAME | | 数量 Q'TY |
|---|---|---|---|---|
| 1 | D2121-14001 | 变矩器油温表 | Oil temperature meter, torque converter | 1 |
| 2 | D2163-03200 | 变速压力表 | Shift gears pressure meter | 1 |
| 3 | D2461-00000 | 左转向指示灯 | Left steering indicator light | 1 |
| 4 | D2464-00000 | 刹车指示灯 | Brake indicator light | 1 |
| 5 | D2462-00000 | 充电指示灯 | Power indicator light | 1 |
| 6 | D2103-01000 | 发动机油压表 | Oil pressure meter for engine | 1 |
| 7 | D2460-00000 | 前灯远光指示灯 | Far indicator light for headlight | 1 |
| 8 | D2463-00000 | 右转向指示灯 | Right steering indicator light | 1 |
| 9 | D2113-12000 | 发动机水温表 | Water temperature meter for engine | 1 |
| 10 | D2140-03200 | 电压表 | Voltmeter | 1 |
| 11 | D2171-00000 | 工时表 | Man-hour meter | 1 |
| 12 | D2910-23500 | 操纵软轴 | Control flexible shaft | 1 |
| 13 | D2190-01200 | 气压表 | Air pressure meter | 1 |
| 14 | D2500-41202 | 启动开关 | Start switch | 1 |
| 15 | D2763-02002 | 保险丝盒 | Fuse box | 1 |
| 16 | D2560-00002 | 组合开关 | Combined switch | 1 |
| 18 | D2546-00201 | 仪表灯、小灯开关 | Instrument lamp and small lamp switch | 1 |
| 19 | D2545-00201 | 后大灯开关 | Rear lamp switch | 1 |
| 20 | D2544-14801 | 前灯远、近光开关 | Far and near beam for front lamp | 1 |
| 21 | D2510-05002 | 危急信号灯开关 | Critical signal lamp switch | 1 |
| 22 | D2547-14801 | 顶灯、工作灯开关 | Top lamp and work lamp switch | 1 |
| 23 | D2541-14801 | 风扇、暖风开关 | Fan and warm braw switch | 1 |
| 24 | D2540-04701 | 刮水器开关 | Wiper switch | 1 |
| 25 | D2780-00002 | 备用电源 | Reserve power | 1 |

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