

## Suggested Spares Guide L4130E-212

### Consumables, Approximate 1 Year Supply (calculated at 2000 hours/year)

Allied P/N	Description	On-Hand Quantity (Recommended)	Order Quantity
219374	Grease	20 Gallons	
219372	Transmission Fluid	44 Gallons	
219371	Hydraulic Oil	350 Gallons	
219370	Engine Oil	156 Gallons	
235720	Gear Oil (Front and Rear Diffs and Planetaries)	120 Gallons	
219368	Brake Fluid (Transmission Fluid)	3 Gallons	
221340	Anti-Freeze, Premix 50/50	48 Gallons	
228210	Filter Element, Hi-Pressure	12	
228211	Filter Element, Hi-Pressure (Pilot System)	4	
243458	Filter Element, Return	8	
226990	Air Filter (Primary)	4	
226991	Air Filter (Secondary)	4	
219520	Transmission Filter (Single Canister Element)	4	

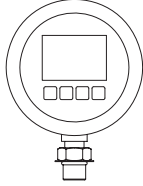

### Tools

Allied P/N	Description	On-Hand Quantity (Recommended)	Order Quantity
226672	Breaker Tool, Radiator Tubes	1	
226671	Installation Tool, Radiator Tubes	1	
252920	Lube Brush, Seal & Tube End	1	
259069	Header Plate Hole Cleaning Brush	1	
243274	Accumulator Recharge Valve	1	
509574	Air Hose Kit	1	
558533	Fire Extinguisher Wrench	1	
537788	Spindle Nut Wrench	1	
588466	Socket Set, 3/8Dr 3/8 To 7/8 22PC	1	
588467	Socket Set, 1/2Dr 3/8 To 1-1/4 30PC	1	
588468	Socket Set, 3/4Dr 7/8 To 2-3/8 29PC	1	
588469	Wrench Set 5/16 To 2-1/2 31PC	1	
588527	Hex Key Set, .025" To 5/8"	1	

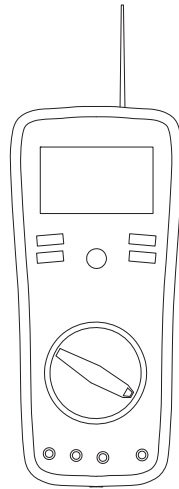
# Diagnostic Tools

Order from Allied Systems  
Service Parts Department  
503-625-2560.

**906601**  
Kit, Digital Pressure Gauge  
W/Female QD Connector  
0 to 8700 PSI

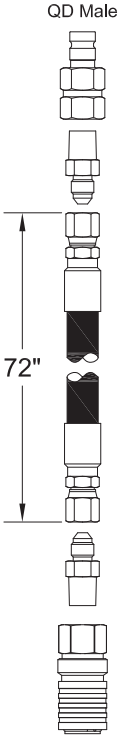



QD Female



**69778**  
Multi-Meter, 12 Function  
AC/DC Voltage & Current, Resistance,  
Capacitance, Frequency, Type K & IR  
Temperature, Diode/Continuity, Duty Cycle  
Non-Contact InfraRed Thermometer  
CAT III Test Leads  
Type K Bead Wire Temp Probe

QD Male

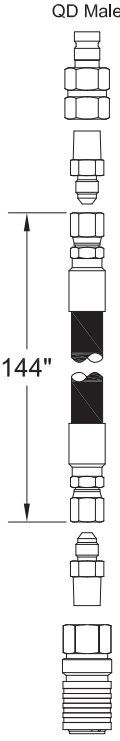


72"

QD Female

**69782**  
Kit, Hose Assembly, W/QD Both Ends

QD Male




144"

QD Female


**70381**  
Kit, Hose Assembly, W/QD Both Ends

QD Male




1/8 NPT Male  
**R14038**

QD Male




1/8 NPT Female  
**R14045**

QD Male



#6 JIC Female  
**236625**

QD Male




#8 JIC Female  
**253326**

QD Male



1/4 NPT Female  
**228040**

QD Male



#4 JIC Female  
**R330325**

QD Male



#4 SAE Male  
**R14040**

QD Male



#6 SAE Male  
**R14082**

**Diagnostic Tools**

Allied P/N	Description	On-Hand Quantity (Recommended)	Order Quantity
906601	0 to 8700 PSI Digital Pressure Gauge W/QD Connector	1	
69778	Multi-Meter, 12 Function	1	
69782	Kit, 72" Hose Assembly, W/QD on Both Ends	1	
70381	Kit, 144" Hose Assembly, W/QD on Both Ends	1	
R14038	Fitting, QD Male x 1/8 NPT Male	1	
R14045	Fitting, QD Male x 1/8 NPT Female	1	
236625	Fitting, QD Male x #6 JIC Female	1	
253326	Fitting, QD Male x #8 JIC Female	1	
228040	Fitting, QD Male x 1/4 NPT Female	1	
R330325	Fitting, QD Male x #4 JIC Female	1	
R14040	Fitting, QD Male x #4 SAE Male	1	
R14082	Fitting, QD Male x #6 SAE Male	1	

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**Electrical**

Allied P/N	Description	Quantity on Machine	Order Quantity
247681	Windshield Wiper Motor	2	
229811	Bulb, 24V, Dome Light	1	
239161	Fan, Defroster	1	
248702	Micro Switch, Electric Shift Controler	6	
230886	Bulb, 24VDC, Emergency Brake	1	
207155	Ignition Switch	1	
225649	Light, Red, Emergency Brake	1	
236488	Switch, 3-Position, Dash Panel	1	
234736	Switch, Dash Panel	2	
236901	Bulb (For 234736)	2	
236504	Lens, Green, Panel	9	
232908	Relay, Junction Box	3	
243477	Display, EMS	1	
243851	Lamp	1	
236502	Lamp, Pilot	9	
236503	Lens, Red	8	
245138	Switch, Pressure	1	
242491	Gauge, Fuel Level	1	
242488	Gauge, Air Pressure	1	
237688	Switch, 24V	1	
234739	Switch, Dimmer	1	
236507	Lens, Rotary Beacon	1	
234975	Switch, 2 Spd, 24V	1	
236489	Switch, Wiper	2	
229301	Relay, Instrument Panel	2	
R10547	Buzzer, Instrument Panel	2	
217624	Relay, auto O/Ride	1	

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### Electrical (Continued)

Allied P/N	Description	Quantity on Machine	Order Quantity
232908	Relay, Instrument Panel	2	
223065	Circuit Breaker, Terminal Panel Assembly	2	
229306	Circuit Breaker, Terminal Panel Assembly	5	
223067	Circuit Breaker, Terminal Panel Assembly	8	
223063	Circuit Breaker, Terminal Panel Assembly	1	
223377	Circuit Breaker, Terminal Panel Assembly	1	
232903	Power Converter	1	
243633	Horn	1	
242950	Fuse, 1A	12	
243070	Fuse, 1.6A	2	
242849	Valve, Solenoid	1	
244027	Sensor Kit, Electronic Throttle Pedal	1	
234183	Alternator	1	
580023	Speed Sensor	1	
200220	Battery, 12V	2	
230729	Sending Unit, Fuel Level	1	
R13659	Llight, Work, 24V (Axle & Reverse)	3	
218755	Horn, Reverse Alarm	1	
205160	Hydraulic Tank Heater	1	
232906	Light, Flashing Amber	1	
237281	Flash Bulb & Circuit Board (For 232906)	1	
249288	Lamp, HID Flood	8	
243346	Relay, Time Delay	1	
249338	Lamp, HID Spot (Tilt Cylinder)	2	
231923	Switch, Float (Hydraulic Oil)	1	

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**Miscellaneous Parts / Seals**

Allied P/N	Description	Quantity on Machine	Order Quantity
224744	Breather, Hydraulic Tank	1	
561108	Dipstick, Hydraulic Tank	1	
250200	Lining, Disc Brake	12	
586129	Kit, Brake Lining & Rotor	2	
224226	Rubber Elbow (45°, 7" ID)	2	
228425	Rubber Elbow (45°, 7"-6" ID)	1	
215733	Rubber Elbow (90°, 6" ID)	6	
208234	Rubber Elbow (90°, 7" ID)	1	
217495	Rubber Elbow (45°, 6" ID)	1	
226793	Rubber Elbow (90°, 8"-7" ID)	1	
247835	Tube (Air Cooler)	136	
243652	Tube (Radiator)	109	
247836	Tube (Oil Cooler)	69	
226663	Seal	314	
226664	Seal	314	
232860	Cap, Radiator - 7 PSI	1	
588502	Seat Suspension	1	
505499	Gasket, Pump Mounting	2	
203541	O-Ring, Pump Mounting	1	
559079	Dipstick, Engine Oil	1	
563666	Dipstick, Transmission	1	
227988	Filler/Breather, Fuel Tank	1	
203506	O-Ring, Swivel Box Installation	2	
232070	Rubber Boot, Electric Shift Control Handle	1	
215096	Safety Belt	1	
558702	Breather, Front Axle	1	
243938	Assembly, Air Horn	1	
237016	Cushion, Training Seat	1	
240783	Safety Belt, Training Seat	1	
240259	Kit, Seatbelt Hardware, Training Seat	1	
212052	Fire Extinguisher	1	

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### Safety Stock

Allied P/N	Description	Quantity on Machine	Order Quantity
580064	Converter	1	
245617	Pump, Front	1	
245519	Pump, Tandem	1	
222452	Pump, Converter Charging	1	
245246	Transmission	1	
225033	Differential & Carrier Assy, Front Axle	1	
225037	Axle Shaft, Front Axle	2	
245237	Differential & Carrier Assy, Rear Axle	1	
241083	Planet Carrier Assembly, Rear Axle	2	
243291	Axle Shaft, Rear Axle	2	
249014	Driveline Assembly	1	
215403	. Cross Assembly	2	
249022	Driveline Assembly	1	
250090	. Cross Assembly	2	
248963	Driveline Assembly	1	
240084	. Cross Assembly	2	
249667	Driveline Assembly	1	
215403	. Cross Assembly	2	
586000	Driveline Assembly	1	
254488	. Cross Assembly	1	
215403	. Cross Assembly	1	
249303	Driveline Assembly	1	
249302	Driveline Assembly	1	
215403	. Cross Assembly	1	
572698	Cylinder, HD	2	
558313	Cylinder, Aux HD	2	
572699	Cylinder, KO	2	
569593	Cylinder, Steering	2	
572338	Cylinder, Hoist	2	
576110	Cylinder, Tilt	2	
234082	Valve, Flow Amplifier	1	
236721	Valve, Holddown & Kickoff	2	
249176	Valve, Hoist & Tilt	1	
21199	Valve, Flow Control	4	
249635	Valve, Remote Steering	1	

**Suggested Spares Guide L4130E-212****Bushings and Pins**

Allied P/N	Description	Quantity on Machine	Order Quantity
558366	Tine Pin	2	
561517	Carriage to Boom Pin	1	
561170	Carriage to Boom Pin Bushing (Located in Boom)	2	
558423	Carriage to Tilt Cylinder Pin	2	
558363	HD Cylinder Base End Pin	2	
558362	HD Cylinder Rod End Pin	2	
534117	HD Cylinder Base End Bushing	4	
510012	HD Cylinder Rod End Bushing	2	
558159	HD Arm Bushing	2	
558364	HD Arm Pin	2	
558363	KO Cylinder Base End Pin	2	
558362	KO Cylinder Rod End Pin	2	
534117	KO Cylinder Base End Bushing	4	
510012	KO Cylinder Rod End Bushing	2	
558159	KO Arm Bushing	2	
558364	KO Arm Pin	2	
558326	Aux HD Cylinder Base End Pin	2	
558325	Aux HD Cylinder Rod End Pin	2	
505206	Aux HD Cylinder Base End Bushing	4	
517115	Aux HD Arm to Cylinder Bushing	2	
558336	Aux HD Arm Bushing	2	
558324	Aux HD Arm Pin	2	
204503	Tilt Cylinder to Carriage Spherical Bearing	2	
570286	Tilt Cylinder Base Bushing	4	



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### Bushings and Pins (Continued)

Allied P/N	Description	Quantity on Machine	Order Quantity
570219	LH/RH Stabilizer Arm Pin (Upper)	2	
570232	LH/RH Stabilizer Arm Bushing (Upper)	2	
570333	LH/RH Stabilizer Arm Tapered Retaining Bolt	2	
570441	LH/RH Stabilizer Arm Bushing (Inner)	2	
570332	LH/RH Stabilizer Arm Bushing (Outer)	2	
570233	LH/RH Rear Stabilizer Pin (Lower)	2	
570319	LH/RH Rear Stabilizer Ear Bushing (Upper & Lower)	8	
570232	LH/RH Rear Stabilizer Deck Eye Bushing	2	
570233	LH/RH Rear Stabilizer Pin (Upper)	2	
570232	LH/RH Rear Stabilizer Bushing (Upper)	2	
561518	Boom to Chassis Pin	2	
561170	Boom to Chassis Bushing (Located in Boom)	2	
505887	Hoist Cylinder to Chassis Pin	2	
561306	Hoist Cylinder to Boom Pin	1	
561170	Hoist Cylinder Rod to Boom Bushing (Located in Boom)	2	
505568	Hoist Cylinder Base End Bushing	4	
577088	Steering Cylinder Base End Pin	2	
577088	Steering Cylinder Rod End Pin	2	
505880	Steering Cylinder Rod & Base End Bushing	8	
581784	Swivel Box	1	
566851	Swivel Box Hinge Pin	2	
586131	Swivel Box Service Kit	1	
586141	Swivel Box Expander Pivot Pin Conversion Kit (Optional)	1	

### Tines and Arms

Allied P/N	Description	Quantity on Machine	Order Quantity
573236	HD Arm	2	
558171	KO Arm	2	
570207	Aux HD Arm	2	
578326	Tines	2	

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### Bearings

Allied P/N	Description	Quantity on Machine	Order Quantity
248970	Bearing, Spherical, Driveline Installation	1	
249405	Bearing, Flange Mount, Driveline Installation	3	
200219	Bearing Cone, Swivelbox Installation	2	
204605	Bearing Cup, Swivelbox Installation	2	
225380	Cup, Bearing, Front Axle	2	
225381	Cone, Bearing, Front Axle	2	
225385	Cup, Bearing, Front Axle	1	
225386	Cone, Bearing, Front Axle	1	
225391	Cup, Bearing, Front Axle	3	
225392	Cone, Bearing, Front Axle	1	
225400	Cone, Bearing, Front Axle	1	
225403	Cone, Bearing, Front Axle	1	
225433	Bearing, Roller, Planet Assembly, Front Axle	12	
239215	Bearing, Planet Assembly, Front Axle	12	
225480	Bearing, Axle Housing Group, Front Axle	2	
225463	Bearing Cup, Wheel Hub Group, Front Axle	4	
225464	Bearing Cone, Wheel Hub Group, Front Axle	4	
241098	Cone, Bearing, Rear Axle	2	
241099	Cup, Bearing, Rear Axle	2	
217833	Cup, Bearing, Rear Axle	2	
217832	Cone, Bearing, Rear Axle	2	
R672004	Bearing Cup, Rear Axle Diff	2	
201137	Bearing Cone, Rear Axle Diff	2	
201144	Bearing, Rear Axle Diff	1	
201133	Bearing Cone, Rear Axle Diff	1	
201132	Bearing Cup, Rear Axle Diff	1	
201130	Bearing Cup, Rear Axle Diff	1	
201129	Bearing Cone, Rear Axle Diff	1	

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### Bearings (continued)

Allied P/N	Description	Quantity on Machine	Order Quantity
247036	Bearing, Roller, Transmission	2	
212247	Bearing, Transmission	2	
247041	Bearing, Idler Shaft, Transmission	1	
247045	Bearing Cup, Transmission	2	
247046	Bearing Cone, Transmission	2	
212272	Bearing, Transmission	2	
212278	Bearing Assy, Transmission	10	
212289	Bearing Cone, Transmission	5	
206540	Bearing Cup, Transmission	2	
240238	Bearing, Roller, Transmission	4	
222872	Bearing Cup, Transmission	4	
222871	Bearing Cone, Transmission	4	
219769	Bearing Cone, Transmission	2	
202852	Bearing Cup, Transmission	2	
219772	Bearing Cup, Transmission	2	
219773	Bearing Cone, Transmission	2	
212289	Bearing Cone, Transmission	1	
240157	Bearing, Transmission	1	
236878	Bearing Cup, Converter	2	
236879	Bearing Cone, Converter	2	
212432	Bearing Cup, Front, Converter	1	
212448	Bearing Cone, Front, Converter	1	
212469	Bearing Cone, Converter	1	
212470	Bearing Cup, Converter	1	
212489	Bearing, Pump Shaft Front, Converter	3	
234905	Bearing, Pump Shaft Rear, Converter	3	
212506	Bearing, Converter	1	
212521	Bearing, Front, Converter	1	

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### Rebuild Kits/Components

Allied P/N	Description	Quantity on Machine	Order Quantity
570430	Service Kit, Converter	1	
570775	Ring Gear Kit	1	
574042	Service Kit, Transmission Disconnect Assy	1	
244026	Roller Kit, Electronic Throttle Pedal	1	
244027	Sensor Kit, Electronic Throttle Pedal	1	
244028	Treadle Pin Kit, Electronic Throttle Pedal	1	
575226	Bearing and Spacer Kit, Front Axle Planet	2	
588589	Differential Kit, Front Axle	1	
588686	Differnetial - Input Kit, Front Axle	1	
588571	1st & 2nd Planetary Kit, Front Axle	1	
588578	Wheel Hub Bearing & Seal Kit, Front Axle	2	
575352	Brake Caliper Service Kit, Front Axle	6	
241107	Internal Gear and Hub Assembly, Rear Axle	2	
241106	Hub & Cup Assembly, Rear Axle	2	
243310	Ring Gear and Pinion Set, Diff Rear Axle	1	
219340	Differential Case Kit, Rear Axle	1	
222994	Service Kit, Differential, Rear Axle	1	
566419	Service Kit, KO/HD Cylinder	4	
566413	Service Kit, Aux HD Cylinder	2	
566412	Service Kit, Steering Cylinder	2	
572337	Service Kit, Hoist Cylinder	2	
576112	Service Kit, Tilt Cylinder	2	
234639	Service Kit, Steering Flow Amplifier	1	
570810	Service Kit, HD/KO Valve	2	
231406	Service Kit, Relief Valve, Part of HD/KO Valve	2	
231407	Service Kit, Relief Valve, Part of HD/KO Valve	12	
251100	Service Kit, Hoist/Tilt Valve	1	
251101	Seal Kit, Hoist/Tilt Valve	1	
251102	Seal Kit, Hoist/Tilt Valve	1	
233198	Seal Kit, Remote Stearing Valve, Inlet	1	
233199	Seal Kit, Remote Stearing Valve	1	
240402	Seal Kit, Remote Stearing Valve, Elec. Act.	1	
233200	Seal Kit, Remote Stearing Valve, Mech. Act.	1	
233202	Seal Kit, Remote Stearing Valve, Assy	1	

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### Hose Kits

Allied P/N	Description	Quantity on Machine	Order Quantity
588850	Hose Kit, For Hydraulic System - Cowl To Valves 570369	1	
588927	Hose Kit, For Heater Instl 574675	1	
588949	Hose Kit, For Hydraulic System Carriage 570431	1	
588953	Hose Kit, For Air Filter Ind-In Cab 572395	1	
588961	Hose Kit, For Hydraulic System Tilt 575825	1	
588918	Hose Kit, For Air System-Cab 577365	1	
588929	Hose Kit, For Air System-Chassis 577402	1	
588968	Hose Kit, For Chassis Assy 576454	1	
588969	Hose Kit, For Engine Intake Instl 576458	1	
588979	Hose Kit, For Remote Lube Sys, Carr 577633	1	
588970	Hose Kit, For Fuel System,Cat Eng 577195	1	
588981	Hose Kit, For Hydraulic System Chassis 578294	1	
588987	Hose Kit, For Hydraulic System Strg 579672	1	
588928	Hose Kit, For Check Fire Sc 580258	1	
588988	Hose Kit, For Boom Assy 580057	1	
588989	Hose Kit, For Swivel Box Instl 580058	1	
588990	Hose Kit, For Cowl Assy 580062	1	
588991	Hose Kit, For Power Unit 580063	1	
588992	Hose Kit, For Transmission Circuit 580066	1	
588993	Hose Kit, For Hydraulic System Brakes 580088	1	
588994	Hose Kit, For Air Cond/Heater/Comp 580198	1	
588995	Hose Kit, For Controls, Seat Mtd Hyd 580199	1	
588996	Hose Kit, For Hyd Valves & Mtg PI 580200	1	
588997	Hose Kit, For Hydraulic System Hoist Cyl 580368	1	