

Suggested Spares Guide NCH35F-108

Power Unit

Allied P/N	Description	Quantity on Machine	Order Quantity
225530	Vibration Dampener	4	
571361	Driveline	1	
203257	. Cross Assembly	1	
204302	. Cross Assembly	1	
541587	Oil Cooler	1	
219271	Filter - Transmission	1	
219520	. Cartridge & Seal Kit	1	
215155	Air Cleaner	1	
217620	. Primary Element	1	
217619	. Safety Element	1	

Drive Axle

Allied P/N	Description	Quantity on Machine	Order Quantity
231414	Differential	1	
227245	. Ring & Pinion	1	
222994	. Differential Sub-Assembly	1	
241206	. Gear Kit	1	
219340	. Differential Case Kit	1	
205724	. Seal	1	
201129	. Bearing Cone	1	
201130	. Bearing Cup	1	
201132	. Bearing Cup	1	
201133	. Bearing Cone	1	
201144	. Roller Bearing	1	
201111	. Bearing Cup	2	
201137	. Bearing Cone	2	
223618	Internal Gear & Hub	2	
223617	Planetary Assembly	2	
217777	Oil Seal	2	
217832	Bearing Cone	2	
217833	Bearing Cup	2	
217834	Bearing Cup	2	
217835	Bearing Cone	2	
233187	Axle Shaft & Sun Gear	2	
223611	Spindle	1	
587932	Brake Caliper	4	
236397	. Lining	8	
570246	. Seal Kit	4	

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Air System

Allied P/N	Description	Quantity on Machine	Order Quantity
545573	Relay Valve w/Fittings	1	
216615	. Relay Valve	1	
207921	. Shuttle Valve	1	
568631	Brake Relay / Shuttle Valve	1	
216615	. Relay Valve	1	
207921	. Shuttle Valve	1	
571323	Air Valve Module	1	
201358	. Valve	1	
201352	. Valve	1	
215085	. Valve	1	
230823	. . Service Kit	1	
214161	. Valve	1	
222817	. Valve	1	
568774	Treadle Valve Assembly	1	
233035	. Treadle Valve	1	
224747	. . Service Kit	1	
568775	Regulator Assy.	1	
244689	. Regulator Valve - Replaces 224159	1	
545398	Shuttle Valve Assembly	1	
210009	. Shuttle Valve	1	
215254	. . Service Kit	1	
210008	Cylinder	1	
212785	. Service Kit	1	
204695	Valve - Check	1	
544995	Valve - Fwd / Rev	1	
202889	. Pressure Switch	2	
208707	. Valve	1	
218044	. . Service Kit	1	
220267	Actuator	2	
222010	. Air Chamber	1	
210378	. . Diaphragm	2	
222331	. Master Cylinder	1	
222333	. . Service Kit	1	
R13649	Pressure Switch	5	
215085	Valve, Solenoid	6	
230823	. Service Kit	6	
210714	Air Tank Assembly	1	
225593	. Air Tank	1	
211315	. Relay Valve	2	
219557	. Valve	1	

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Air System (Continued)

Allied P/N	Description	Quantity on Machine	Order Quantity
568849	Air Tank Assembly	1	
207917	. Check Valve	1	
217734	. Valve	1	
552351	Air Tank Assembly	1	
207917	. Check Valve	1	
217734	. Valve	1	
207901	. Relief Valve	1	
217328	Manifold Assembly	1	
212322	. Manifold	1	
570938	Control Valve Assembly	1	
224794	Air Dryer	1	
226535	. Ejector Valve Assembly	1	
226291	. . Diaphragm & O-Ring Kit	1	
233151	. Heater	1	
217734	Expello Valve	1	
221647	. Service Kit	1	
201358	Regulator Valve	1	
216208	. Valve Repair Kit	1	
224159	Pressure Regulator	1	
234016	. Service Kit	1	
201352	Holdback Valve	1	
218929	. Service Kit	1	
211144	Steering Column	1	
214161	Air Valve	2	
214419	. Service Kit	2	
216615	Relay Valve	1	
218650	. Service Kit	1	
218928	Brake Valve Assembly	1	
218966	. Service Kit	1	
207272	Valve Assembly	1	
208707	Valve Assembly	1	
218044	. Service Kit	1	
215400	Valve Assembly	1	
215204	Valve	5	
215278	. Service Kit	5	
211711	Declutch Valve	1	
566596	. Service Kit	1	
215142	Cylinder	5	
216601	. Service Kit	5	

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Hydraulic System

Allied P/N	Description	Quantity on Machine	Order Quantity
234081	Steering Unit	1	
234815	. Seal Kit	1	
234209	Valve -Check	1	
237654	Body - C/Balance	2	
229050	. Service Kit	2	
229068	Cartridge - C/ Balance	2	
237734	Hydraulic Pump	1	
571132	. Seal Kit	1	
240301	. Seal Kit	1	
240302	. Seal/Wearplate Kit	1	
237576	Emergency Steering Pump	1	
239801	. Valve	1	
235219	Hydraulic Motor (Grapple)	1	
25408	. Seal Kit	1	
571631	Valve Assembly (Main)	1	
230669	. Valve	1	
566315	. Service Kit	1	
231406	. Seal & Spring Kit	1	
231407	. Seal & Spring Kit	1	
236978	Valve Assembly (Pilot)	1	
243071	. Relief Valve	11	
223803	. . Seal Kit	11	
242590	. Valve Section	4	
242851	. Valve Section	1	
234082	Flow Amplifier	1	
234639	. Service Kit	1	
25829	Swing Deceleration Valve	1	
27203	. Service Kit	1	
237298	Hose Carrier - Energy Chain	1	
570952	Link	4	
239801	Valve - Emergency Steering	1	
574571	. Seal Kit	1	

Suggested Spares Guide NCH35F-108**Tailpost Installation**

Allied P/N	Description	Quantity on Machine	Order Quantity
204540	Bearing Cone	2	
204639	Bearing Cup	2	
204603	Bearing Cone	2	
204602	Bearing Cup	2	
208870	Seal	2	
212198	Bearing Cup	1	
212199	Bearing Cone	1	
214471	Bearing Cup	1	
214472	Bearing Cone	1	
214464	Seal	1	
203564	O-Ring	2	

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Hydraulic Cylinders

Allied P/N	Description	Quantity on Machine	Order Quantity
569848	Cylinder - Steering	2	
505350	. Bushing	2	
204502	. Bushing	2	
566408	. Service Kit	1	
570590	Cylinder - Hoist	2	
570637	. Service Kit	2	
571204	Cylinder - Tilt	1	
566411	. Service Kit	1	
505880	. Bushing	4	
570868	Cylinder - Extension	1	
571009	. Service Kit	1	
571214	Cylinder - Tilt - Grapple	1	
566411	. Service Kit	1	
505880	. Bushing	4	
571087	Cylinder - Side Tilt	2	
566408	. Service Kit	2	
505350	. Bushing	4	
571225	Cylinder - Side Shift	1	
566408	. Service Kit	1	
505350	. Bushing	4	
571629	Cylinder - Grapple	4	
241605	. Service Kit - Rod	1	
241606	. Service Kit - Piston	1	
571224	. Bushing	2	
228201	Filter - HP - 100 GPM	1	
570245	. Service Kit	1	
228200	Filter - HP - 40 GPM	1	
570244	. Service Kit	1	
224350	Return Filter Assembly	1	
224351	. Element	1	
234292	. O-Ring	1	
226838	. Gasket	1	
226837	. O-Ring	1	

Suggested Spares Guide NCH35F-108**Electrical System**

Allied P/N	Description	Quantity on Machine	Order Quantity
218755	B/U Alarm	1	
224299	Master Switch	1	
224207	Alternator Belt	1	
237620	Leveler	1	
22631	Relay	2	
218187	Switch - Turn Signal	1	
217208	Base Connector - Flasher	1	
217207	Flasher	1	
202889	Switch - Oil Pressure	1	
217209	Light - Front	2	
215992	Light - Rear	2	
206325	Headlight, Assembly	3	
223243	. Bulb - Floodlight	2	
222989	. Bulb - Spotlight	1	
218830	Light - Amber	1	
226988	Switch - Grapple Proximity	9	
230707	Lever - Roller	10	
221801	Relay	2	

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Cab Assembly

Allied P/N	Description	Quantity on Machine	Order Quantity
207906	Horn	1	
211294	Air Valve Module	1	
204785	Dome Light	1	
570855	Light Assembly	4	
237341	. Lamp		
239160	Fan	1	
570849	Wiper Assembly - Front	1	
547680	. Motor	1	
237297	. Arm	1	
248521	. Pivot Shaft	1	
237296	. Blade	1	
570863	Wiper Assembly - Rear	1	
235399	. Motor	1	
230921	. Arm	1	
224662	. Pivot Shaft	1	
221289	. Blade	1	
215360	Cable - Quick Start	1	
234736	Switch - 24V	2	
236901	. Bulb	2	
237681	Switch - Momentary	1	
220987	Switch - Pressure	1	
214001	Switch - Pressure	1	
232909	Socket - Relay	2	
233042	Relay	1	
207155	Switch - Ignition	1	
R10547	Buzzer	1	
225169	Switch - Speed	1	
571849	Column - Steering	1	
230494	Wheel - Steering	1	
224222	Vibration Dampener	4	
242486	Tachometer	1	
242485	Hour Meter	1	
225649	Light - Red	3	

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Cab Assembly (Continued)

Allied P/N	Description	Quantity on Machine	Order Quantity
242625	Gauge - Fuel	1	
242490	Gauge - Trans Oil Temp	1	
242492	Gauge - Trans Oil Pressure	1	
242488	Gauge - Air Pressure	1	
242494	Gauge - Voltmeter	1	
242493	Gauge - Engine Oil Pressure	1	
242489	Gauge - Engine Water Temp	1	
236489	Switch - Wiper	2	
234736	Switch - 24V	4	
234739	Switch - Dimmer	1	
236502	Lamp - Pilot	3	
237187	Bulb	14	
224250	Cable - Hand Throttle	1	
216611	Cable - Transmission Control	1	
234468	Cable - Throttle	1	
224174	Pedal - Throttle	1	
235615	Air Conditioner Filter Element	1	
238386	Valve	1	
238534	Drier - Receiver	1	
238539	Condenser	1	
238536	Compressor	1	
234221	Clutch / Pulley	1	
234236	"V" Belt	1	
238547	Valve - Compressor	1	
238548	Valve - Compressor	1	
233933	Element - Cab Filter	1	
234067	Seal - Cab Filter	1	
588502	Seat Base	1	
227984	Control - Remote	1	
562038	. Service Kit	1	
234774	Gas Spring	1	
569358	Spring Mount	2	
237869	Mirror	2	

Suggested Spares Guide NCH35F-108**Boom Assembly**

Allied P/N	Description	Quantity on Machine	Order Quantity
570950	Wear Pad	5	
570949	Wear Pad	5	
27365	Wear Puck	9	
574260	Wear Pad	1	
512865	Pin - Stabilizer Cylinder	3	
570993	Pin Weldment - Boom Pivot	1	
531801	Bushing - Stabilizer Cylinder	3	
538104	Bushing - Boom Pivot	4	
570994	Pin - Hoist	1	
571388	Wear Pad	2	
571389	Wear Pad	2	

Chassis Assembly

Allied P/N	Description	Quantity on Machine	Order Quantity
219088	Breather	1	
211398	Drain Cock	1	
226250	Sending Unit - Fuel	1	
503407	Dipstick - Hydraulic Oil	1	
219083	Fuel Fill Cap	1	

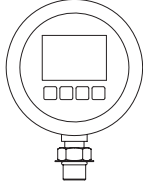

Suggested Spares Guide NCH35F-108**Grapple Assembly**

Allied P/N	Description	Quantity on Machine	Order Quantity
226684	Bearing	1	
571506	Pad - Bearing	4	
538104	Bushing - Trunion	4	
521498	Bushing - Tilt Cylinder	6	
510734	Pin - Tilt Cylinder	6	
571173	Pin - Grapple	8	
571174	Pin - Trunion / Boom	1	
571175	Pin - Trunion / Grapple	1	
571222	Pin - Grapple Cylinder Base	4	
571223	Pin - Grapple Cylinder Stem	4	
236419	Brake Assembly	1	
237410	. Seal Kit	1	
38822	. Disc & Bearing Kit	1	
25081	Reducer	1	
33277	. Service Kit	1	
25112	Pinion	1	
571180	Bushing - Grapple Cylinder	16	
512865	Pin - Stabilizer Cylinder	2	
532933	Bushing - Stabalizer Cylinder	2	
211305	Valve - Check	2	
229033	Valve - Shuttle	1	

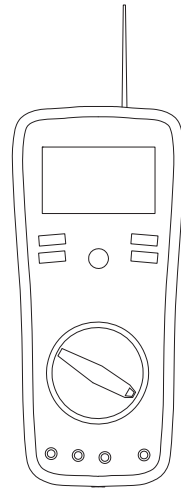
Diagnostic Tools

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

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

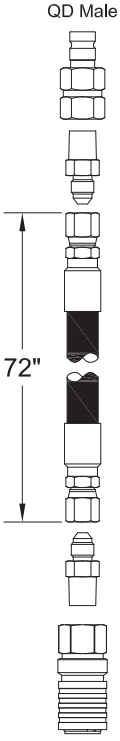



QD Female



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

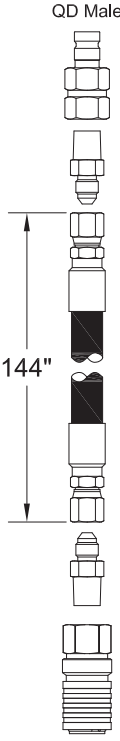


72"

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	

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	