snorkel

S9031RT-HC
S9043RT-HC
S9056RT-HC
S9070RT-HC



SERVICE & MAINTENANCE MANUAL

Part Number 1443601-000
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FASTENER TORQUE CHART

Metric System

Capscrew	Grade 8.8					Grade 10.9				
Size	In-LBS Dry	In-LBS Lubed	FT-LBS Dry	FT-LBS Lubed	Clamp Load (lb)	In-LBS Dry	In-LBS Lubed	FT-LBS Dry	FT-LBS Lubed	Clamp Load (lb)
M4 - 0.7	27	20			861	36	24			1,173
M5 - 0.8	55	41			1,394	72	60			1,895
M6 - 1.0	93	70			1,971	132	96			2,686
M8 - 1.25	228	168	19	14	3,591	312	228			4,889
M8 - 1.0	240	180	20	15	3,844	336	252			5,232
M10 - 1.5			37	28	5,693			51	38	7,744
M10 - 1.25			39	30	6,008			54	41	8,171
M12 - 1.75			65	49	8,273			89	66	11,257
M12 - 1.25			71	53	9,037			96	72	12,297
M14 - 2.0			103	77	11,285			140	107	15,354
M14 - 1.5			114	85	12,263			155	114	16,691
M16 - 2.0			162	122	15,404			221	166	20,963
M16 - 1.5			173	129	16,388			236	177	22,311
M18 - 2.5			222	167	19,423			235	176	
M18 - 1.5										
M20 - 2.5			317	236	24,042			428	321	32,720
M20 - 1.5			350	262	26,695			479	358	36,316
M22 - 2.5			428	321	30,651			452	339	
M22 - 1.5										
M24 - 3.0			546	409	34,642			745	557	47,141
M24 - 2.0			594	446	37,676			811	605	51,277
M27 - 3.0			796	597	45,039			1,084	811	61,292
M27 - 2.0			863	645	58,785			1,173	848	66,226
M30 - 3.5			1084	811	55,054			1,475	1106	74,915
M30 - 3.0			1121	841	56,908			1,527	1143	77,444
M30 - 2.0			1202	900	60,932			1,630	1224	82,917

Rev D

Torque chart information:

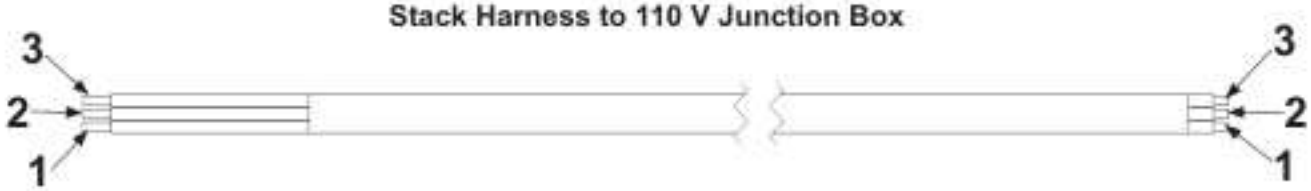
- Consult manufacturers' specific recommendations, when available.
- The chart may be used with both coarse and fine thread fasteners lightly lubricated.
- Increase torque by 20% when multiple tapered tooth (shake proof) lock washers are used.
- Foot/pound equivalent may be obtained by dividing by 12.
- Inch/pound equivalent may be obtained by multiplying by 12.
- Newton/meter equivalent may be obtained by multiplying inch/pound by 0.1130.
- Newton/meter equivalent may be obtained by multiplying foot/pound by 1.3558.

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HARNESSES

AC Power to Plaform

Stack Harness to 110 V Junction Box



Junction Box to Outlet Box Harness



1.....Green Wire

2.....White Wire

3.....Black Wire

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Frequent Maintenance – Every 90 Days or 150 Hours

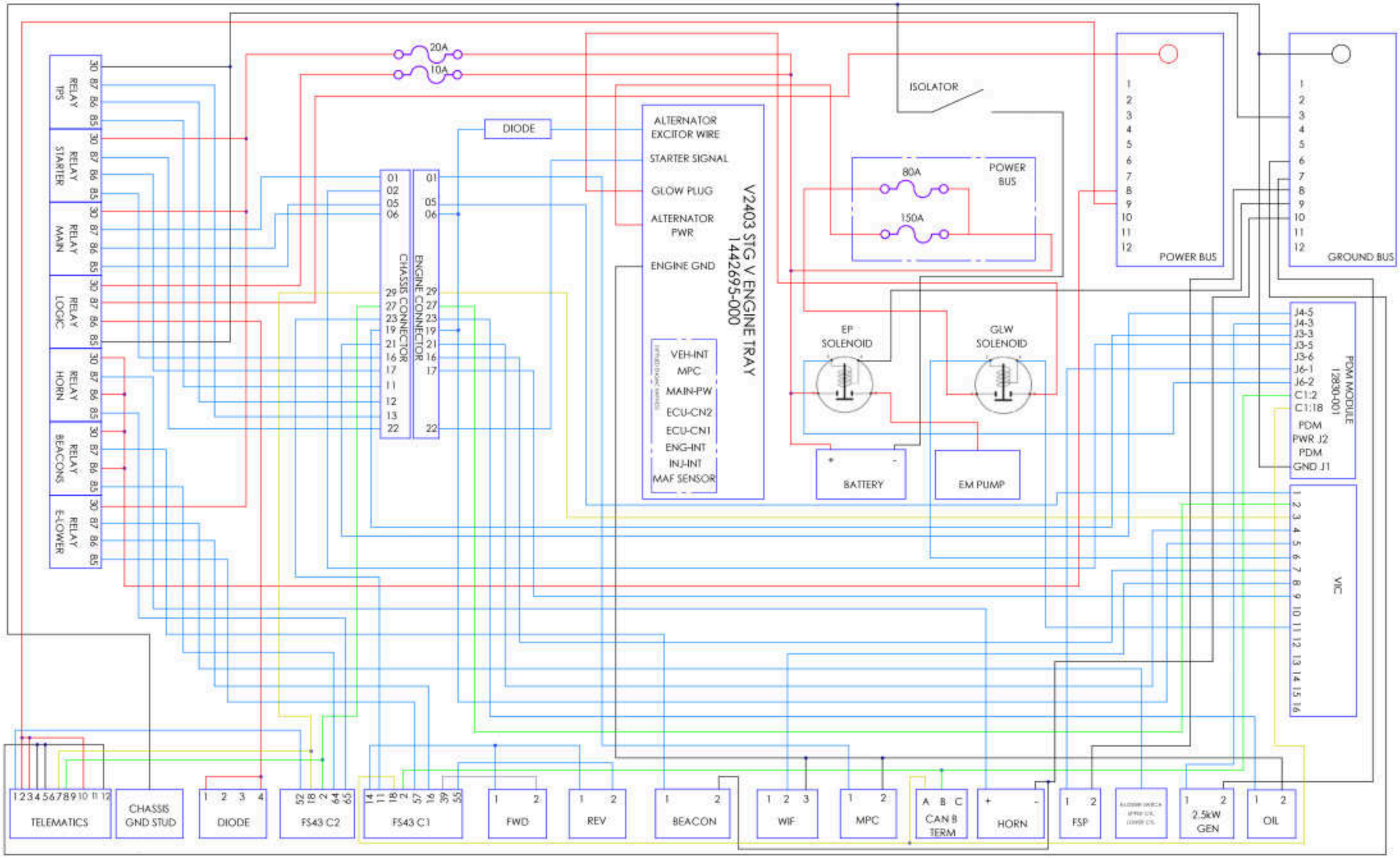
Item	Procedure	Information	P/F/R
Level Sensor Interlock Test	C. Elevate the front tires to the approximate height as follows: 3.75" (95.2 mm) Verify the chassis inclination is between 3.0 and 3.2 degrees. Verify that the drive and lift functions cut out automatically and the alarm sounds before the platform reaches an elevation of approximately: • S9031RT-HC – 3 feet. • S9043RT-HC – 4 feet. • S9056RT-HC – 5 feet. • S9070RT-HC – 7 feet. D. Repeat steps B and C elevating the rear tires. E. Place the smart level on the chassis in the side-to-side direction. Zero the level. Elevate the front tires on the right side of the machine to the approximate height as follows: 1" (25.4 mm) Verify the chassis inclination is no more than 1.4 degrees. Verify the platform will raise and lower through its full range of motion. F. Elevate the front tires on the right side of the machine to the approximate height as follows: 1.3125" (33.5 mm) Verify the chassis inclination is between 1.7 and 1.9 degrees. Verify that the drive and lift functions cut out automatically and the alarm sounds before the platform reaches an elevation of approximately: • S9031RT-HC – 3 feet. • S9043RT-HC – 4 feet. • S9056RT-HC – 5 feet. • S9070RT-HC – 7 feet. G. Repeat steps E and F for the left side of machine. H. Adjust/replace the level sensor as required.		

Maintenance Table Key: P = Pass, F = Fail, R = Repaired

Performed by:_____ Date:_____

Model:_____ Serial Number:_____

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RT-HC CHASSIS SCHEMATIC WITH V2403 STG V ENGINE

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