

REPLACEMENT PARTS FOR HDT MTRCS



HDT Fully Mission Capable Packs are a convenient way to order common replacement parts for the HDT Multi-Temperature Refrigerated Container System (MTRCS). Packs for critical components, routine maintenance or as standby replacement parts are available.

There are three generations of MTRCS – each generation can be distinguished by the data plate located on the rear door. FMC Packs are available for all three variants.

PMCS Pack

The PMCS pack contains air, oil and fuel filters as well as a belt set and will support PMCS on one MTRCS.

LEVEL I Pack

Level I parts are considered critical for successful operation of the MTRCS and should be kept on-hand to ensure that the MTRCS is fully mission capable. Parts include cable assemblies, pressure switches, electrical assemblies, as well as cooling and evaporator components.

LEVEL II Pack

Level II parts are recommended parts. The MTRCS will remain operable if these components fail, but performance of the MTRCS would be compromised. Parts include data sensors, light assemblies and dust covers.

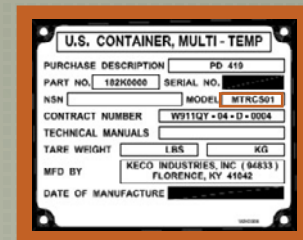
ORIGINAL AUTHORIZED STORAGE LIST (ASL) KITS

Description	Part Number
MTRCS01 and MTRCS02 ASL Kit	K182K0067
MTRCS03 – Mini ASL Kit	5-13-13730-1
MTRCS03 – Small ASL Kit	5-13-13731-1

AFTERMARKET SUPPORT FOR:



MTRCS01, MTRCS02, and MTRCS03



Look at the data plate on the rear door to determine if you have a MTRCS01, 02 or 03.

REPLACEMENT PARTS FOR HDT MTRCS



PMCS					
Description	Part Number	NSN	Description	Part Number	NSN
Filter Set	182K0000-FIL		MTRCS 02 Belt Set (3 Pulley)	182K1000-3P	
Filter Element (Engine Air)	30-60049-20	4130-01-573-9882	Belt-V, Water Pump (3 Pulley)	25-33023-00	3030-01-574-4162
Filter Element, Fluid (Engine Oil)	30-00323-00	2910-01-574-2019	Belt- V, Alternators / Standby Motor	50-01169-01	
Filter, Fluid (Fuel)	30-01090-05	2940-01-573-9255	Belt-V, Standby Motor to Compressor (Matched Set)	50-01170-50	3030-01-574-4787
Filter Element, Fluid (Fuel Strainer)	30-01108-20	2910-01-583-1326	Belt-V, Engine to Compressor	50-01166-01	3030-01-574-4777
MTRCS 01 Belt Set (3 Pulley)	182K0000-3P		MTRCS 02 Belt Set (2 Pulley)	182K1000-2P	
Belt-V, Water Pump (3 Pulley)	25-33023-00	3030-01-574-4162	Belt-V, Water Pump (2 Pulley)	50-60329-02	
Belt- V, Alternators / Standby Motor	50-01169-03		Belt- V, Alternators / Standby Motor	50-01169-01	
Belt-V, Standby Motor to Compressor (Matched Set)	50-01170-50	3030-01-574-4787	Belt-V, Standby Motor to Compressor (Matched Set)	50-01170-50	3030-01-574-4787
Belt-V, Engine to Compressor	50-01166-01	3030-01-574-4777	Belt-V, Engine to Compressor	50-01166-01	3030-01-574-4777
MTRCS 01 Belt Set (2 Pulley)	182K0000-2P		MTRCS 03 Belt Set (2 Pulley)	5-13-13732	
Belt-V, Water Pump (2 Pulley)	50-60329-02		Belt-3, Water Pump, 3 Groove Poly V 31"	50-60329-02	
Belt- V, Alternators / Standby Motor	50-01169-03		Belt-V, Alternator / Standby Motor	50-01169-01	
Belt-V, Standby Motor to Compressor (Matched Set)	50-01170-50	3030-01-574-4787	Belt-V, Standby Motor to Compressor (Matched Set)	50-01170-50	3030-01-574-4787
Belt-V, Engine to Compressor	50-01166-01	3030-01-574-4777	Belt-V, Engine to Compressor	50-01166-01	3030-01-574-4777
			Water Pump Belt		
			Belt-V, Water Pump (2 Pulley)	25-33023-00	3030-01-574-4162
			Filter Element (Fuel Water Separator)	66-30	
			Fuel Water Separator Technical Bulletin	182K1687-KIT	

Level I – MTRCS01 and MTRCS02					
Description	Part Number	NSN	Description	Part Number	NSN
Temperature Chart Recorder	182K0630-1	6685-01-575-5635	Cable Assembly – P12	182K0554-1	
Recording Instrument Chart (Paper)	99290107	7530-01-577-3454	Cable Assembly – P14	HDP26-18-8SEL017	5935-01-575-0322
Recording Pen (Red Ink)	R25-6		Cable Assembly, Evaporator (Front / Comp 1)	182K1086-1	
Recording Pen (Green Ink)	R25-5	7520-01-591-2420	Cable Assembly, Evaporator (Rear / Comp 2)	182K1086-2	
Cable Assembly, P1A (Main Power)	182K0023-1		Wire Assembly – Engine Alternate to Filters	182K0619-1	
Cable Assembly, P1B (Pigtail)	182K0025-1	6150-01-575-6387	Connector – P13	GTS06RV24-11P	5935-01-575-0240
Cable Assembly, PDISE Adapter	182K2012-1		Connector – J13	GTS01RV24-11S	5935-01-575-0247
Cable Assembly – J3	182K0624-1	6150-01-575-6045	Connector – J14	HDP24-18-8PEL017	5935-01-575-9266
Cable Assembly – J4	182K0625-1		12VDC Storage Battery	500K2924	
Cable Assembly – J5	182K1621-1	6150-01-601-1743	Battery Terminal Adapter (Negative)	A52425-2	5940-00-549-6583
Cable Assembly – J6	182K0620-1	6150-01-574-7157	Battery Terminal Adapter (Positive)	A52425-1	5940-00-549-6581
Cable Assembly – J9	182K0628-1	6150-01-574-6739	Wiring Assembly – Positive (+)	182K0614-1	6150-01-575-3654
Cable Assembly – J10	182K0629-1		Wire Assembly – Negative (-)	182K0615-1	6150-01-575-3638
Cable Assembly – J11	182K0623-1	6150-01-575-3460	Rain Cap, Engine	182K2669	
Cable Assembly – J13	182K1016-1		Exhaust Elbow (Painted)	182K0092	
Cable Assembly – P3	182K0643-1		14 V (70 AMP) Alternator	30-01114-07	2920-01-569-3035
Cable Assembly – P4	182K0644-1		Alternator Filter Assembly 14VDC	182K0107-1	
Cable Assembly – P5	182K0645-1		Solenoid Unloader Valve Repair Kit	17-40418-00	4810-01-574-2069
Cable Assembly – P6	182K0646-1		Transmitter, Pressure (Suction Pressure)	12-00283-00	6685-01-438-2937
Cable Assembly – P7	182K0647-1		Pressure Switch (HP1)	12-00309-04	5930-01-573-7964
Cable Assembly – P8	182K0648-1		Pressure Switch (HP2)	12-60032-05	5930-01-573-7963
Cable Assembly – P9	182K0649-1		Pressure Switch (Engine Oil) (MTRCS01 Only)	12-00456-00	5930-01-574-7431
Pressure Switch (Engine Oil) (MTRCS02 Only)	12-00592-01		Preformed Hose (Coolant)	25-15217-00	4720-01-573-9299
Refrigerant	14-00326-03	4130-01-536-4787	Glow Plug	25-39835-00	
Push-Pull Emergency Stop Switch	182K0626-1	5930-01-574-9201	Evaporator, Front / Comp 1 (Altered)	182K0574-1	4130-01-574-6870
Solenoid, Electrical (Run Solenoid)	25-15230-01	5945-01-574-7362	Evaporator, Rear / Comp 2 (Altered)	182K0574-3	4130-01-574-4208
Fuel Assembly Tank	182K0013-1		Microprocessor EMI Box	182K1018	

REPLACEMENT PARTS FOR HDT MTRCS



Level I – MTRCS01 and MTRCS02 (continued)

Description	Part Number	NSN	Description	Part Number	NSN
Solenoid Valve Parts Kit (Heat Valve) (MTRCS01 Only)	16-60001-00	4810-01-574-3994	Gasket and Seal Kit (Heat Valve) (MTRCS01 Only)	16-60001-01	5330-01-574-2013
Solenoid Valve Parts Kit (Heat Valve) (MTRCS02 Only)	14-00352-00		Gasket and Seal Set (Heat Valve) (MTRCS02 Only)	14-00352-20	5945-01-574-9918
Solenoid, Electrical (Speed Solenoid) (MTRCS01 Only)	10-60018-00		Electrical Coil (Man Heat Valve) (MTRCS02 Only)	22-02579-00	5950-01-536-4797
Radiator Assembly	182K0658	2930-01-574-7689			

Level I – MTRCS03

Description	Part Number	NSN	Description	Part Number	NSN
285mm White LED Light	5-13-10408-1		Battery	5-13-10028-1	
285mm Red LED Light	5-13-10409-1		Low Voltage Disconnect Switch	5-13-10030-1	
Lighting Cable	5-13-10433-1		Auxiliary Fuel Tank Assembly	5-13-10018-1	
Lighting Cable	5-13-10294-1		Auxiliary Fuel Tank Fuel / Water Separator	5-13-10216-1	
Lighting Cable	5-13-10297-1		Cargo Net Rows 1 and 2	5-13-10511-1	
Lighting Cable	5-13-10295-1		Cargo Net Rows 3 and 4	5-13-10510-1	
Lighting Cable	5-13-10296-1		Digital Temperature Recorder	5-13-10865-1	
Lighting Cable	5-13-10292-1		Cable Assembly Pigtail 6 ft	5-13-11045-1	
Lighting Cable	5-13-10293-1		Floor Drain Plug (4 / System)	5-13-10553-1	
Insulated Partition Wall (2 Piece Set)	5-13-10470-1				

Level I – Electrical Components

Description	Part Number	NSN	Description	Part Number	NSN
MTRCS01 Electrical Components			MTRCS02 Electrical Components		
Electrolytic Fixed Capacitor (C4/C5)	10-60038-10	5910-01-574-9109	Electrolytic Fixed Capacitor (C1, C2, C3)	10-60008-36	
Electrolytic Fixed Capacitor (C1, C2, C3)	10-60008-32		Magnetic Contactor	10-00433-05	6110-01-602-9106
Socket, Plug-in Electronic Component (K1)	27E891	5935-01-274-5170	Overload Relay	10-00473-06	
Electromagnetic Relay (K1)	VMP012D	5945-01-574-7423	Fuses		
Magnetic Contractor (Electrical Box)	10-60050-00	6110-01-575-2765	20A (F8, F9, F10)	22-02336-01	
Fuses			5A (F2, F4, F6, F11)	22-02336-02	5920-01-574-9149
3.15 AMP (F21/22)	22-60102-17		3A (F6, F12, F13)	22-02336-03	
4 amp (F11)	22-02336-11	5920-01-574-9119	10A (F5)	22-02336-04	5920-01-574-8560
5 amp (F2)	22-02336-02	5920-01-574-9149	15A (F3)	22-02336-06	5920-01-574-7426
25 amp (F3)	22-02336-05	5920-01-574-7428	80 amp (F1)	22-60340-04	
15 mp (F4)	22-02336-06	5920-01-574-7426	Electromagnetic Relay (UFR1,2)	10-00286-02	5945-01-574-7429
7.5 amp (F5)	22-02336-08	5920-01-574-8639	Electromagnetic Relay (RR, GPR, SSR, DER, EFMR1/2/3 RELAY, 12VDC)	10-00286-04	5945-01-574-7427
10 amp (F7, 8)	22-02336-04	5920-01-574-8560	Electromagnetic Relay (RCR, HR1, SR, HER, UFR RELAY, 12V)	10-00385-03	5945-01-574-7378
6.3 amp (F12-F17)	22-60102-07	5920-01-574-8574	Electromagnetic Relay (FLR, 1/2EMR)	10-01176-00	5945-01-574-7425
80 amp (F1)	22-60340-04		Logic Board (MPC)	12-00650-12	5998-01-603-9105
Semiconductor Device, Diode (DB1, 2, 3)	10-00319-00	5961-01-574-9101	Circuit Card Assembly (Relay Board)	12-00502-03	5998-01-604-5773
Logic Board (MPC)	12-00368-05RP	5998-01-575-5045			
Circuit Card Assembly (DPS)	12-60003-01	6998-01-574-9902			
Magnetic Contactor (1/2 EHR)	10-00471-01	6110-01-575-3442			
Overload Relay (HYBRID)	91-60104-04	5945-01-574-9164			
Electromagnetic Relay (CAR, DCR)	10-00214-00	5945-01-574-7378			
Electromagnetic Relay (RCR, SR, 1DR, 1RR, 1CR, 1HGR, GPR, DER, 2DR, 2RR, 2CR, 2HGR, SSR, MHR)	10-00286-04	5945-01-574-7427			
Electromagnetic Relay (UFR1, 2)	10-00286-02	5945-01-574-7429			
Electromagnetic Relay (Flashing)	10-01176-00	5945-01-574-7425			

REPLACEMENT PARTS FOR HDT MTRCS



Level I – Electrical Components (continued)

Description	Part Number	NSN	Description	Part Number	NSN
MTRCS03 Electrical Components					
Cable Assembly – P1A (Main Power)	5-13-10920-1		Pressure Transmitter (Suction Pressure)	5-13-13740-1	
Cable Assembly – P1B (Pigtail)	5-13-11045-1		Pressure Switch (Engine Oil) (MTRCS03 Only)	5-13-13743-1	
Cable Assembly – J3	5-13-10922-1		Refrigerant Filter-Drier	5-13-13744-1	
Cable Assembly – J5	5-13-10924-1		Solenoid Valve Parts Kit (Heat Valve) (MTRCS03)	5-13-13745-1	
Cable Assembly – J6	5-13-10926-1		Electrical Coil (Man Heat Valve) (MTRCS03)	5-13-13746-1	
Cable Assembly – J10	5-13-11242-1		Gasket and Seal Set (Heat Valve) (MTRCS03)	5-13-13747-1	
Cable Assembly – P5	5-13-10923-1		Solenoid Unloader Valve Repair Kit	5-13-13748-1	
Cable Assembly – P6	5-13-10925-1		Push-Pull Switch (Emergency Stop)	5-13-10980-1	
Cable Assembly – P7	5-13-10927-1		Electrical Solenoid (Run Solenoid)	5-13-13752-1	
Cable Assembly – P8	5-13-10929-1		Tank Fuel Assembly	5-13-10018-1	
Cable Assembly – P12	5-13-10931-1		Filler Opening Cap (Fuel Tank)	5-13-13753-1	
Cable Assembly – P13	5-13-10921-1		Tank Fuel Outlet Assembly	5-13-13754-1	
Engine Alternative to Filters Wire Assembly	5-13-13735-1		Electric Fuel Pump	30-01108-02	
P13 Connector	5-13-10937-1		Filter Element, Fluid, Strainer (Fuel Pump)	5-13-13755-1	
12VDC Storage Battery	5-13-10025-1		Radiator Assembly Kit	5-13-13756-1	
Fuses			Filler Opening Radiator Cap	5-13-13757-1	
80A Fuse 12v	5-13-13770-1		Engine Cooling System Pump	5-13-13758-1	
5A Fuse 12v	5-13-13771-1	5920-01-574-9149	Metallic Bent Tube (Coolant Hose)	5-13-13759-1	
3.5A Fuse 12v	5-13-13772-1		Performed Hub (Coolant)	5-13-13760-1	
7.5A Fuse 12v	5-13-13773-1		Glow Plug	5-13-13761-1	
15A Fuse 12v	5-13-13774-1	5920-01-574-7426	Front / COMP1 Evaporator (Altered)	5-13-10749-2	
8A Fuse 120v	5-13-13775-1		Rear / COMP1 Evaporator (Altered)	5-13-10749-1	
5A Fuse 120v	5-13-13776-1		Microprocessor EMI Box	5-13-10982-1	
Battery Terminal Adapter (Negative)	5-13-10025-1		Electrolytic Fixed Capacitor (C1, C2, C3)	5-13-13762-1	
Battery Terminal Adapter (Positive)	4035-563		Magnetic Contractor	5-13-13763-1	6110-01-602-9106
Wire Assembly – Positive (+)	5-13-13737-1		Overload Relay	5-13-11154-1	
Wire Assembly – Negative (-)	5-13-13738-1		Electromagnetic Relay (UFR1, 2)	5-13-13764-1	5945-01-574-7429
Engine Rain Cap	5-13-11052-1		Electromagnetic Relay (RR, GPR, SSR, DER, EFMR1/2/3 RELAY, 12VDC)	5-13-13765-1	5945-01-574-7427
Exhaust Elbow (Painted)	5-13-11050-1		Electromagnetic Relay (RCR, HR1, SR, HER, UFR RELAY, 12V)	5-13-13766-1	5945-01-574-7378
14 V (70 AMP) Alternator	5-13-13739-1		Electromagnetic Relay (FLR, 1/2EMR)	5-13-13767-1	5945-01-574-7425
14VDC Alternator Filter Assembly	5-13-10907-1		Logic Board (MPC)	5-13-13768-1	5998-01-603-9105
Pressure Switch (HP1)	5-13-13741-1		Circuit Card Assembly (Relay Board)	5-13-13769-1	5998-01-604-5773
Pressure Switch (HP2)	5-13-13742-1				

REPLACEMENT PARTS FOR HDT MTRCS



Level II – MTRCS01 and MTRCS02					
Description	Part Number	NSN	Description	Part Number	NSN
Cover Row 1 and Row 2 (Cargo Nets)	500K3263		Battery Pan Weldment	182K0379-SPO	
Cover Row 3 and Row 4 (Cargo Nets)	500K3264		Military Fuel Can 20 Liter Cap	A-A-59592	7240-01-337-5269
Flat Washer	MS15795-814	5310-00-773-7618	Dry Chemical Fire Extinguisher	6487T72	4210-01-574-6567
Cargo Straps (Red)	500K3275		Adjustable Wrench	B107.8 TY1	5120-00-264-3795
Belt Tension Tester	TESTIFIER-162	5210-01-577-5171	Lamp Assembly (Large Light Bar Assembly)	182K0565-1	6240-01-575-5049
Canvas Cover (Power Box)	500K3265	2540-01-641-1320	LED Light Bar (Red)	500K3479	
Canvas Cover (RU)	182K0418-3	8340-01-579-3755	White Lights and Plate Mounting	182K0536-1	OBSOLETE*
Vehicular Partition Body Panel (Roadside)	500K3171-1		Incandescent Lamp (Fuel Level)	CM394	6240-00-875-7981
Front Wall Cargo Net Support	182K0181-1		Light Lens (Red) (Fuel Level)	101-0931-003	6210-01-165-5878
Vehicular Partition Body Panel (Curbside)	500K3171-2		Light Lens (Green) (Fuel Level)	101-0972-003	6210-01-511-8208
Cargo Net Support (3 Ring)	182K0375-1		Lock Pin (TCR)	98480A034	5315-01-575-1553
Padlocks (Keyed Alike)	A5202GLW N KA		Gas Cap Cover (Rubber)	182K1755	
Padlocks (Keyed Alike)	AA59486-2AS01LE2S		GASKET (Outlet on Top of Fuel Tank)	182K0115	
Battery Box	500K3143	6160-01-575-5668	Fuel Pump Shield EMI Gasket	182K0227-2	
Vent Plugs, Battery Box Cover	182K1754		Access Cover (Cab Command)	182K0528-1	5340-01-575-4396
Battery Retainer	182K0381-1	6160-01-575-3151	Engine Oil Drain Assembly (RU)	182K0377-1	
Support, Shipping and Storage Container (Cargo Net Holder)	182K0358-1	8145-01-574-9191	Access Cover (RU 12 VDC and Fuel Connections)	182K0393	5340-01-573-7858
Self-Locking Hexagon Nut	91831A127	5310-01-475-9244	Fuel Guard Stand Off	182K0505	

Level II – MTRCS03					
Description	Part Number	NSN	Description	Part Number	NSN
Environmental Protection Cover Bag	5-13-10472-1		Battery Box Bottom Enclosure	5-13-10020-1	
Environmental Cover Bag Fabric	5-13-10473-1		Battery Box Internal	5-13-10027-1	
Fire Extinguisher and Mounting Bracket	5-13-10010-1		Padlock (set of 4) keyed alike	5-13-10288-1	
Fire Extinguisher Bracket	5-13-10424-1		Integration, Insulated Partition Holder	5-13-10468-1	
Lighting Junction Box Assembly	5-13-10282-1		Partition Enclosure Door Seal Foam	5-13-10055-1	
5 Gallon Fuel Can	5-13-10031-1		Single Opening Bug Intrusion Screen Assembly	5-13-10399-1	
5 Gallon Fuel Can Strap	5-13-10245-1		Multiple Opening Bug Intrusion Screen Assembly	5-13-10392-1	
Roadside Work Platform Assembly	5-13-10108-1		Right Side, Insulated Partition Assembly	5-13-10174-1	
Work Platform Slide Latch	5-13-10302-1		Left Side, Insulated Partition Assembly	5-13-10176-1	
Center Work Platform	5-13-10421-1		Evaporator Guide	5-13-10179-1	
Right Work Platform	5-13-10422-1		Cargo Net Reel	5-13-10513-1	
Power Cable Hook (Set of 2)	5-13-10119-1		Cargo Net Detent Receiver	5-13-10478-1	
Front Pressure Equalization	5-13-10017-1		Battery Box Assembly	5-13-10563-1	
Rear Pressure Equalization	5-13-10016-1		Cable Assembly Pigtail 6 ft	5-13-11045-1	
Document Holder Assembly	5-13-10307-1		Roller Assembly (2 / System)	5-13-10008-1	
Document Holder Door Seal Foam	5-13-10308-1		Belt Tension Tester	4059-048	5210-01-577-5171
Packout Tie Down Strap (2 / System)	5-13-10324-1 & 5-13-13700-1				

Products, product specifications and data are subject to change without notice to improve reliability, function, and/or design. Please contact Customer Service at 800.969.8527 for the most up-to-date product information.

*Call HDT for assistance

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