

# LOGISTIC SUPPORT

## **Repaircraft PLC**

The Common, Cranleigh, Surrey, GU6 8LU, United Kingdom  
Tel: + 44 (0) 1483 273536 Fax: + 44 (0) 1483 278078  
Web: [www.scorpiotank.co.uk](http://www.scorpiotank.co.uk) E-mail: [hq@repaircraft.co.uk](mailto:hq@repaircraft.co.uk)

---

CVR(T) SUPPLY, SUPPORT, REPAIR, REFURBISH AND UPGRADE

---

## INTEGRATED LOGISTIC SUPPORT

### 1 REPAIRCRAFT PLC EXPERIENCE

Repaircraft PLC have for the past 25 years specialised in the support of the CVR(T).

Repaircraft PLC is also ISO 9001 Approved specifically for the supply of spare parts for Fighting Vehicles.

### 2 SPARE PARTS / TOOLS AND TEST EQUIPMENT

Repaircraft PLC operate one of the most efficient Spare Parts Supply Management Services in the world and have over the last few years won substantial contracts for CVR(T) Spare Parts.

### 3 AMMUNITION

Repaircraft PLC can provide the complete range of ammunition for both 76 mm and 90 mm Main Gun System.

If required 7.62 mm, 0.5" or 40 mm ammunition can also be supplied.

### 4 UNIT EXCHANGE

Repaircraft PLC can, depending on customer requirements and quantities, provide the following unit exchange services if required:

Gold Service:	7 Day Despatch
Silver Service:	21 Day Despatch
Bronze Service:	90 Day Despatch

(subject to reserviceable core units being returned)

### 5 CONSIGNMENT STOCK

Repaircraft PLC can at no extra cost to the User maintain a Prepositioned In-Country "Consignment Stock" of spare parts.

This Consignment Stock is owned by Repaircraft PLC but stored in the User's Warehouse.

This Consignment Stock System would give the User immediate access to the stock without the financial expense of having to own it.

i.e. Only pay for what you need when you want it.

Benefits of this system:

- 1 All Spare Parts will be available immediately from the warehouse In-Country.
- 2 The User would not have to pay for the stock to be held or stored Locally.
- 3 The User only pays when the spare parts are taken from the warehouse (“Cash and Carry”).
- 4 Stock levels would be constantly monitored by computer and automatically re-stocked from the UK.
- 5 Having 100% local spare parts availability would dramatically increase the Users Scorpion fleet Availability and guarantee Battle Readiness.



CONSIGNMENT STOCK  
=  
100% LOCAL AVAILABILITY WITH NO STOCKHOLDING COST



## TYPICAL CONSIGNMENT STOCK HOLDING SUMMARY

1 In total the stock holding would be over 2,000 individual Items.

Therefore the listing below is a Summary only.

2 The Precise Listing would depend on Upgrade Engine and Options selected.

IPC SECTION	DESCRIPTION	MINIMUM STOCK	REMARKS
<b>A</b>	<b>ENGINE DIESEL</b>		
1	Complete Engine	1	
2	Short Engine	1	
3	Cylinder Head Assembly	2	
4	Water Pump	3	
5	Heat Exchanger	3	
6	Cam Belt	5	
7	Turbocharger	3	
8	Oil Filter Element	25	
9	Injector Pump	3	
10	Unit Injector	18	
11	Set of Engine Fasteners	3	
12	Engine Gasket and Seal Set	5	
13	Set of Engine Sensors	2	
<b>B</b>	<b>COOLING SYSTEM</b>		
1	Radiator and Fittings	3	

# Repaircraft PLC

2	Radiator Fittings	1	
3	Heat Exchanger Gearbox	3	
4	Header Tank	2	
5	Set of Cooling Pipes	1	
6	Set of Cooling Hoses	5	
7	Set of Cooling Hose Clips	4	
8	Fan Cooling Assembly	2	
9	Belt Cooling Fan	15	
10	Fan Bearing Set	3	
11	Fan Pulley Assy	2	
12	Set of Fan Fasteners	4	
13	Belt Tensioner	4	
<b>C</b>	<b>FUEL SYSTEM</b>		
1	Air Intake Filter Unit	1	
2	Air Filter Element	15	
3	Intercooler	3	
4	Set of Intercooler Pipes	1	
5	Set of Intercooler Hoses	5	
6	Set of Intercooler Hose Clips	4	
7	Fuel Tank and Fittings	2	
8	Pipes and Fittings	2	
9	Primary Fuel Filter	15	

# Repaircraft PLC

10	Secondary Fuel Filter	15	
11	Fuel Pump	3	
<b>D</b>	<b>EXHAUST SYSTEM</b>		
1	Exhaust System	1	
2	Flexible Coupling Set	2	
3	Clamp Set	2	
4	Fastening Set	2	
<b>E</b>	<b>GEARBOX LUBRICATION SYSTEM</b>		
1	Oil Filter Unit	2	
2	Oil Filter Element	15	
3	Heat Exchanger	3	
4	Hose Set	3	
<b>F</b>	<b>TRANSMISSION</b>		
1	Complete Transmission Assy	1	
2	Final Drive LH	2	
3	Final Drive RH	2	
4	Final Drive Bearing Set	4	
5	Final Drive Seal Set	4	
6	End Cap	4	
7	Final Drive Fastening Kit	4	

## Repaircraft PLC

8	Caliper Brake	4	
9	Pad Kit	10	
10	Seal Kit	10	
11	Running Gear		Various
12	Centrifugal Clutch Assy	3	
13	Outer Member	4	
14	Shoe	36	
15	Liner	100	
16	Bolt	500	
17	Nut Special	500	
18	Drive Peg	25	
19	Garter Spring	30	
20	Bearing	10	
21	Seal	10	
22	Brake Bands	50	
23	Plunger Pump	2	
24	Control Valve	2	
25	Pressure Regulating Block	2	
26	Bearing Kit	5	
27	Seal Kit	5	
28	Drive Shaft Assembly Engine/Gearbox	3	
<b>G</b>	<b>CONTROLS</b>		



## Repaircraft PLC

1	Steering Tiller	1	
2	Steering Master Cylinder	10	
3	Steering Hydraulic System Pipework Set	2	
4	Main Brake Caliper	4	
5	Pad Kit	10	
6	Seal Kit	10	
7	Brake Band	6	
8	Handbrake Assembly	2	
9	Handbrake Cable Set	2	
10	Main Brake Pedal Assembly	1	
11	Main Brake Master Cylinder	10	
12	Brake Hydraulic System Pipework Set	2	
13	Throttle Pedal and Linkage Assembly	2	
14	Gear Change Controls	2	
15	Foot Firing Pedal (Manual) 76 mm Main Gun	2	
<b>H</b>	<b>HULL</b>		
1	Engine Mount Kit	2	
2	Anti Vibration Mount	8	
3	Hull Fittings Internal		Various
4	Drain Valve	1	
5	Hull Fittings External		Various
6	Drivers Hatch Assy	1	

## Repaircraft PLC

7	Drivers Seat Assy	1	
8	Hatch Stop	1	
9	Ventilation System		Various
10	Bilge Pump		Part of CES Equipment
<b>J</b>	<b>SUSPENSION AND TRACKS</b>		
1	Front Wheel Station	2	
2	Intermediate Wheel Station	2	
3	Rear Wheel Station	2	
4	Set of Wheel Bearings	5	
5	Set of Wheel Seals	5	
6	Roadwheels	50	
7	Road Wheel Shims	20	
8	Roadwheel Fastener Kit	20	
9	Idler Wheel Crank	4	
10	Set of Idler Wheel Seals	5	
11	Set of Idler Wheel Bearings	5	
12	Idler Wheels	10	
13	Track Tensioner Ram	10	
14	Torsion Bar RH	4	
15	Torsion Bar LH	4	
16	Damper RH	4	
17	Damper LH	4	

# Repaircraft PLC

18	Damper Guard LHF	10	
19	Damper Guard	4	
20	Damper Link	10	
21	Damper Fastener Kit	4	
22	K10,000 Track Set	5	
23	Rubber Track Pads	2000	
24	Drive Sprockets	40	
25	Sprocket Fastener Set	20	
26	Sprocket Carrier Wheels	30	
27	Sprocket Carrier Fastener Kit	20	
<b>K</b>	<b>TURRET</b>		
1	Mantlet	1	
2	Internal Fittings		Various
3	Turret Race	2	
4	Commanders Hatch	1	
5	Gunners Hatch	1	
6	Commanders Seat	1	
7	Gunners Seat	1	
8	External Fittings		Various
<b>L</b>	<b>ELECTRICAL EQUIPMENT</b>		
<b>LH</b>	<b>HULL</b>		

# Repaircraft PLC

1	Starter Motor	2	
2	Generator	2	
3	Electronic Voltage Regulator	2	
4	Generator Mounting Kit	1	
5	Generator Blanking Plate	1	
6	Drivers Instrument Panel- Electrical System (DIP-ES)	2	
7	Split Charge Unit	2	
8	Set of Instruments	2	
9	Set of Circuit Breakers	2	
10	Set of Legend Assemblies	2	
11	Set of Switches	2	
12	Set of Fastenings	2	
13	Set of DIP-ES Sockets/Plugs	2	
14	Electronic Gear Indicator Module	2	
15	Mimic Panel	2	
16	Interstart Socket	1	
17	DIP-ES Anti Vibration Mounts	2	
18	DIP-ES Mount Bolts	5	
19	Electronic Speedometer Drive Kit	2	
20	Electronic Gear Indicator Kit	2	
21	Throttle Assembly Kit	1	
22	Throttle Potentiometer	2	
23	Headlight/Side/Indicator Unit RH	2	

## Repaircraft PLC

24	Guard and Fixings RH	1	
25	Headlight/Side/Indicator Unit LH	2	
26	Guard and Fixings LH	1	
27	Tail/Stop/Indicator LED Light	2	
28	Guard and Fixings RH	1	
29	Guard and Fixings LH	1	
30	Rooflight, No. 3, Mk 1	1	
31	Registration Plate Light & Convoy Light, No. 2, Mk 1	1	
32	Hull Heavy Duty Harness Set	2	
33	Hull Light Duty Harness Set	2	
<b>LT</b>	<b>TURRET</b>		
1	Foot Firing Switch, No. 3, Mk 1	2	
2	Control Box Turret No 1 Mk 2	2	
3	Battery Cut-Off Switchbox, No 1, Mk 1	2	
4	Sight Switch Box, No. 1, Mk 1	2	
5	Windscreen Wiper Motor	1	
6	Gun Firing Control Box	1	
7	Smoke Discharger Junction Box, No. 4, Mk 1	1	
8	Safety Switch	1	
9	Spotlight, No. 1, Mk 2	2	CES Equipment
10	Turret Harness Set	1	
<b>M</b>	<b>TURRET TRAVERSE GEAR</b>		

## Repaircraft PLC

1	Traverse Gearbox	1	
2	Turret Traverse Indicator	2	
3	Elevating Gearbox	1	
4	Rotary Base Junction	1	
5	Fire Control Quadrant No. 16 Mk 1	1	Part of CES Equipment
6	Fire Control Turnbuckle	2	
<b>N</b>	<b>FIRE EXTINGUISHING EQUIPMENT</b>		
1	Engine Bay Firewire Kit	2	
2	Engine Bay Control Unit	2	
3	Wiring Harness	2	
4	Engine Bay Extinguisher	4	
5	Set of Pipework and Nozzles	2	
6	Set of Fastenings	4	
7	Crew Compartment Detector	2	
8	Wiring Harness	2	
9	Extinguisher Unit	4	
10	Set of Fastenings	4	
11	Hand Held Extinguishers	6	
12	Bracket and Fastenings	2	
<b>P</b>	<b>STOWAGE</b>		
1	Internal Stowage		Various

# Repaircraft PLC

2	External Stowage Bin Set	2	
<b>Q</b>	<b>OPTICAL EQUIPMENT</b>		
1	Episcope, No. 43, Mk 3	2	
2	Drivers Periscope, No. 44, Mk 2	2	
3	Episcope, No. 48, Mk 1	2	
4	Periscope Sight Mounting Rotary No. 45 Mk 1	2	
5	Thermal Gunners Sight/Laser Rangefinder	2	
6	Sight Wiper	2	
7	Lower Unit Sight Wiper	2	
8	Commanders Sight No. 71 Mk 1	2	
<b>R</b>	<b>MOUNTINGS</b>		
1	76 mm Gun Mounting Assembly	1	
2	Cradle	1	
3	Recuperator	2	
4	Expansion Tank	2	
5	Buffer	2	
6	Firing Gear	1	
7	Machine Gun Mounting	1	
<b>S</b>	<b>WEAPONS</b>		
1	Smoke Grenade Discharger No. 10, Mk 1	4	

# Repaircraft PLC

<b>V</b>	<b>VENTILATION/NBC PACK</b>		
1	Case and HE Filter		Optional Equipment
2	Pre Filter		Optional Equipment
3	Centrifugal Fan, No. 11, Mk 1		Optional Equipment
4	AV Filter		Optional Equipment
5	Air Pressure Control Box, No. 10, Mk 1		Optional Equipment
6	Centrifugal Fan, No. 10, Mk 1	4	
7	Pressure Relief Valve No. 5, Mk 1		Optional Equipment
8	Miscellaneous Items		Optional Equipment
<b>TFE</b>	<b>TURRET FUME EXTRACTOR</b>		
1	Turret Fume Extractor Kit	1	
2	Extractor Fan Unit	2	
3	Flexible Hose Kit	4	
4	Fastening Kit	4	
<b>MG</b>	<b>MAIN GUN</b>		
1	Barrel	2	EU
2	Breech Block	2	EU
3	Sliding Breech	2	EU
4	Cocking Handle Assembly	2	
5	Firing Pin Assembly	2	



## Repaircraft PLC

<b>CMG</b>	<b>COAXIAL MACHINE GUN</b>		Not Included
<b>AAV</b>	<b>AIDS TO AMPHIBIOUS VEHICLES (IPC Code 61585)</b>		Not Included
<b>APU</b>	<b>AUXILIARY POWER UNIT</b>		Optional Equipment
1	Complete Engine		
2	Short Engine		
3	Cylinder Head Assembly		
4	Water Pump		
5	Heat Exchanger		
6	Cam Belt		
7	Turbocharger		
8	Oil Filter Element		
9	Injector Pump		
10	Starter Motor		
11	Set of Engine Fasteners		
12	Engine Gasket and Seal Set		
13	Set of Engine Sensors		
14	Radiator		
15	Enclosure Door		
16	Generator		
17	Voltage Regulator		

# Repaircraft PLC

18	Harness Set		
<b>APU-AC</b>	<b>APU-AIR CONDITIONING</b>		Optional Equipment
1	Condenser		
2	Evaporator Unit		
3	Set of Hoses		
4	Fan Unit		
5	Set of Ducting and Fixings		