



PT-1963J

Gasboy® Fleet Systems Illustrated Spare Parts Manual

SAFETY CONSIDERATIONS

Read all warning notes and instructions carefully. They are included to help you installing the Product safely in the highly flammable environment of the fuel station. Disregarding these warning notes and instructions could result in serious injury or property damage. It is the installer responsibility to install, operate and maintain the equipment according to the instructions given in this manual, and to conform to all applicable codes, regulations and safety measures. Failure to do so could void all warranties associated with this equipment.

Remember that the fuel station environment is highly flammable and combustible. Therefore, make sure that actual installation is performed by experienced personnel, licensed to perform work in fuel station and at a flammable environment, according to the local regulations and relevant standards.

WARNING - EXPLOSION HAZARD

Use separate conduit for the intrinsically safe. Do not run any other wires or cables through this conduit, because this could create an explosion hazard.

Use standard test equipment only in the non- hazardous area of the fuel station, and approved test equipment for the hazardous areas.

In the installation and maintenance of the Product, comply with all applicable requirements of the National Fire Protection Association NFPA-30 “Flammable and Combustible Liquids Code”, NFPA-30A “Code for Motor Fuel Dispensing Facilities and Repair Garages”, NFPA-70 “National Electric Code”, federal, state and local codes and any other applicable safety codes and regulations.

Do not perform metal work in a hazardous area. Sparks generated by drilling, tapping and other metal work operations could ignite fuel vapors and flammable liquids, resulting in death, serious personal injury, property loss and damage to you and other persons.

CAUTION - SHOCK HAZARD

Dangerous AC voltages that could cause death or serious personal injury are used to power the Product. Always disconnect power before starting any work. The Product has more than one power supply connection points. Disconnect all power before servicing.

WARNING - PASSING VEHICLES

When working in any open area of fuel station, beware of passing vehicles that could hit you. Block off the work area to protect yourself and other persons. Use safety cones or other signaling devices.

WARNING

Components substitutions could impair intrinsic safety.
Attaching unauthorized components or equipment will void your warranties.

CAUTION

Do not attempt to make any repair on the printed circuit boards residing in the Product, as this will void all warranties related to this equipment.

PROPRIETY NOTICE

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DISCLAIMER

This document is provided for reference only. Although every effort has been made to ensure correctness, ORPAK SYSTEMS does not guarantee that there are no errors or omissions in this document.

FCC COMPLIANCE STATEMENT

The FCC Wants You to Know:

This equipment has been tested and found to comply with the limits for a Class B & C digital device, pursuant to Part 15 of the FCC rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- a) Reorient or relocate the receiving antenna.
- b) Increase the separation between the equipment and receiver.
- c) Connect the equipment to an outlet on a circuit different from that to which the receiver is connected.
- d) Consult the dealer or an experienced radio/TV technician.

FCC WARNING

Modifications not expressly approved by the manufacturer could void the user authority to operate the equipment under FCC Rules.

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1 – Spare Parts Table

This document includes parts for the following Gasboy® systems: Islander PRIME, Atlas PRIME, Islander PLUS, CFN Plus Controllers, Fuel Truck Controller, TopKAT PLUS Controllers, and Fuel Point PLUS.

Table 1: Gasboy Part Number vs. Orpak Part Number

Part Description	GVR P/N	Orpak Description	Orpak P/N
Cable, Ground	M04431A004	N/A	N/A
Panel, PC Board Support, Orpak 1000	M05045B003	N/A	N/A
Assy, PRIME Display Panel, SNGL Ultra-Hi, Canada	M05770A111	N/A	N/A
Assy, PRIME Display Panel, SNGL E85, Canada	M05770A112	N/A	N/A
Lens, Dial Face	M08330B002	N/A	N/A
PRIME Bezel Assy, Atlas With Dial Face	M08400A002	N/A	N/A
Bezel Assembly Kit - New ECN	M08400K002	N/A	N/A
Atlas Power Supply	M15579K001	N/A	N/A
Cable, Atlas/ORPAY DC Power/485	M15499A001	N/A	N/A
Cable, Atlas/ORPAY DC Power Side-B	M15499A002	N/A	N/A
Cable, Atlas DC Power to Hub, STD & Ultra-HI	M15502A001	N/A	N/A
Cable, Atlas Power to Hub, E85	M15502A002	N/A	N/A
Cable, DC Power ORPAK ORCU	M15505A001	N/A	N/A
Cable, DC Power ORPAK ORCU	M15505A002	N/A	N/A
Orpay 1000 with Activated Wireless Gateway	M15778A208	N/A	N/A
OrPAY1000 with cables	M15778B208	N/A	N/A
Card Reader Adapter Assy	M15793A001	N/A	N/A
Lexan Support Bracket Assembly	M15794A001	N/A	N/A
Hinge Pin	M16252B001	N/A	N/A
Bezel Hinge Support Bracket	M16580B001	N/A	N/A
Orpay Collar Cover	M16720B001	N/A	N/A
Card Reader Enclosure Atlas PRIME	M16756B001	N/A	N/A
Hinge Bracket Assy. PRIME Bezel	M16832A001	N/A	N/A
Nut Hex Slf Lock 1/4-20 Stl Zn Pl	Q10218-06	N/A	N/A
Screw, Sems Phil Ph M4X20 Stl Zn Plt	Q12845-61	N/A	N/A
Screw, Sems Phil Ph M4X30 Stl Zn Plt	Q12845-63	N/A	N/A
PCA, Hub Interface (HIP2)	M12760A001	N/A	N/A
Insert Magnetic Card Reader	M15778B007	N/A	N/A
Kit, Hid Corp1000 Universal	M09680B134	N/A	N/A
Kit, Hid Indala	M09680B058	N/A	N/A
OrCU Assembly	M15778B206	N/A	N/A
nNR ZVA, OPW7H	M09677B036	N/A	N/A
nNR, ZVA, OPW 11 A+B, HUSKY	M09677B035	N/A	N/A
J 1708 6 PIN Harness	M09680B139	N/A	N/A
Peterbit & Kenworth J1939 (LowSpeed) protocol	M12200A005	N/A	N/A

Spare Parts Table

Part Description	GVR P/N	Orpak Description	Orpak P/N
Peterbilt & Kenworth J1939 (High Speed) protocol	M12200A007	N/A	N/A
J1708 Harness 9-PIN	M12200A001	N/A	N/A
Freightliner and International J1939 (Low Speed) protocol	M12200A002	N/A	N/A
Payment Panel includes Card Swiper and MIFARE® Reader	M09680B038	OrPT Pan.Extended + Swip.Mif.Gra	800922576
8 Port CommVerter	M09680B021	8 P CommVerter + Strt.LAN, Tested	819523469
Controller	M09680B004	OrCU-N (Metal) - Tested	811035510
Transformer - 24 V	M09680B022	Transf. 24 V 3.33 A, CI2-80-24	811338000
Line Filter	M09680B008	Line Filter, 5500.2042, Schurter	811400200
Lock	M09680B018	Lock	813100800
Solid State Relay - 12 VDC, 12 A	M09680B011	Relay, SSR, 12 VDC, 12 A W6212DDX-1	813105900
Card Swiper	M09680B013	Swipe Read.Coated Track 1 and 2,43 m	813106881
Head of Printer + harness	M09680B023	Prin.High Speed + Harness, 24 V	813107480
HID Installation Kit	M09680B040	HID PLUS Kit-set ORIC/OrIT	819218000
Terminal Block INT. Module	M09680B025	T.b.int.module, 100-240 V UI CSA	813317800
Keyboard Label	M09680B026	Label KBD.OrPT Panel	817322505
Harness, Data Key Socket	M09680B027	Harness, Data Key Socket/OrPT	819138050
Graphic Display	M09680B015	Display Assy.GRA-OrPT, Extend.t	819222553
Tokheim® Pump Interface Card	M09680B028	Tokh.Int.P.B. (8P), Tested	819223420
Current Loop Pump Interface Card	M09680B029	Gilbarco® Pump (Pb-8P) - Test	819223431
RS-232 VR/Pump Interface Card	M09680B016	RS-232 Int. (Pb-8P) - Test	819223451
RS-485 Pump Interface Card	M09680B017	RS-485 P.B. 8P- Test	819223460
RS-422 Pump Interface Card	M09680B030	RS-422	819223471
Nuovo Pignone Pump Interface Card	M09680B031	Nuovo Pignone	819223485
Mechanical Pump Interface Card	M09680B019	Assy, MPI + Sub P.B.(8P), Tested	819223490
Hub Switch	M09680B032	Kit Assy.-5 Port Switch - Tested	819225210
Printed Circuit Board (PCB) card for Printer	M09680B033	PCB Assy.G2 Printer Eng, Tested	819519910
Printer - Islander™ and ICR PLUS	M09680B034	Printer Module Assy Kit, OrIC	819238095
FTC Shock Absorber	M09680B035	Shock Observer	814605600
Fuse	M09680B036	Harness, P.S.Fuse Conn. 24 V	819138051
Interface Card Extractor	M09680B037	Card Extractor (8P CommVerter)	814423700
Power Supply: 100 - 240 VAC, 100 W	M09680B041	P.S 100-240 VAC, 100 W	811300164
Islander and ICR PLUS Top Cover	M09680B042	Top Cover GB	819238056
Paper Roll for Receipt Printer	M09680B043	Paper Roll-57-mm, D-150-mm-therm	816600430
Paper Roll Pivot for Receipt Printer	M09680B108	Shaft, Paper Roll- ISCU+AXIOHM	814911100
Cylinder Roll for Receipt Printer	M09680B109	Cylinder Roll, Printer Module	814948400
Screws for Cylinder Roll for Receipt Printer (100 pcs)	M09680B110	Screw, M2.5 X6 PAN HD Cross Rec (100 Pcs)	815213100
HS - Tag (One per ring)	M09680B020	FuelOpass HS	819205541
Relay Solid State 250V, 25A	M09680B044	Relay Solid State 250 V, 25 A	813105950
Switch	M09680B045	Switch	813104530
Power Supply 110-240 V/24 V DC, 15 W	M09680B046	Power Supply 110-240 V/24 V DC, 15 W	811309400
Wireless Gateway Terminal (WGT) Cards Set Tested	M09680B047	WGT Cards Set Tested	819239310
Circuit Breaker	M09680B048	Circuit Breaker	813104450
Harness ANT LOOP-Wireless Programmer	M09680B049	Harness ANT LOOP-Wireless Programmer	819120900

Part Description	GVR P/N	Orpak Description	Orpak P/N
Harness ANT LOOP-W. Programmer 110 mm	M09680B091	Harness ANT - W. Programmer 110 mm	819120915
Harness D9P/D9S RS-232 W.L.PROG	M09680B050	Harness D9P/D9S RS-232 W.L.PROG	819120935
DataPass Harness	M09680B051	DataPass Harness	819107670
PCB Assy P.S 32 VDC	M09680B052	PCB Assy P.S - 32 VDC	819538036
PCB Assy P.S 24 VDC 8 Hoses	M09680B083	PCB Assy P.S - 24 VDC	819538035
Heater Set	M09680B063	Heater Set	819204152
HID Indala - KIT	M09680B058	HID Indala - KIT	819218100
Simulator for MPI-C	M09680B059	Simulator for MPI-C	819523691
Extension KIT - 5 Port	M09680B060	Extension KIT - 5 Port	819225250
Battery-Wireless Vehicle Programmer	M09680B067	Battery-Wireless Vehicle Programmer	812520900
S/P NR, Adaptors Type-H-T	M09680B071	S/P NR, Adaptors Type-H-T	819039195
S/P NR, Hardware Type-2, New	M09680B114	S/P NR, Hardware Type-2, New	819039099
S/P NR, Hardware Type-1, New	M09680B115	S/P NR, Hardware Type-1, New	819039098
S/P NR, Hardware Type-3, New	M09680B116	S/P NR, Hardware Type-3, New	819039031
S/P NR, Hardware ZVA 25	M09680B117	S/P NR, Hardware ZVA 25	819039030
S/P NR, Hardware Husky	M09680B118	S/P NR, Hardware Husky	819039042
NR, Coil- Type 1	M09680B074	NR, Coil- Type 1	819339006
NR, Coil- Type 2/3	M09680B075	NR, Coil- Type 2/3	819339005
NR-H, Coil 70 mm	M09680B076	NR-H, Coil 70 mm	819339110
NR-H/T, Coil 55 mm, ZVA 32	M09680B077	NR-H/T, Coil 55 mm, ZVA 32	819339120
NR-H/T, Coil-OPW 7H	M09680B078	NR-H/T, Coil OPW 7H	819339122
NR-H, Coil Rectangular - OPW 11B	M09680B079	NR-H, Coil Rectangular - OPW 11B	819339130
NR-H, Coil - Wiggins	M09680B080	NR-H, Coil - Wiggins	819339143
NR-H, Coil - POSILOCK	M09680B081	NR-H, Coil - POSILOCK	819339160
NR-T, Coil - HUSKY 1 + 8	M09680B082	NR-T, Coil HUSKY 1 + 8	819339124
Relay, 30 A (8 Hose)	M09680B085	Relay, 30 A (8 Hose)	813111300
PCB Assy, SSR (8 Hose)	M09680B084	PCB Assy, SSR CNTRL (8 Hose)	819538040
Kit, Coil Holder Clamp (30pc)	M09680B086	Clamp Coil Holder (30pc)	815806030
TopKAT™ PLUS Tag - Orange Tag	M09680B087	Tag, Gilbarco, Orange, INIT	819209871
OrCU (Dongle + Holder)	M09680B089	OrCU, RS-232 Dongle + Holder	819235520
Journal Printer	M09680B090	Journal Printer	800919810
Nozzle Reader Plastic Cover (OPW 7H)	M09680B092	Plastic Cover OPW 7H	814105200
Mobile Printer (12 V) for FTC	M09680B099	Mobile Printer (12 V) for OrTC	800921724
Printer G2 - TopKAT	M09680B100	Printer Module UL - G2	800919915
Paper TopKAT Printer	M09680B101	Paper Roll, 57 mm x 40 mm, 55GR-Term	816600400
Printer Head - TopKAT	M09680B102	Printer Head G2 + Heater-Assy	819219990
KIT 5 Port - TopKAT	M09680B103	KIT - 5 Port+ Heatsink - OrTOP	819225270
RS-485 P.B. 8P-Test - TopKAT	M09680B104	RS-485 P.B. 8P-Test - OrTOP	819223465
MPI + SUB P.B.(8P)- TopKAT	M09680B105	MPI + SUB P.B.(8P) - OrTOP	819223492
8 Port CommVerter - TopKAT	M09680B123	PCB Assy-8 Port OrTOP - Tested	819523401
Payment Terminal - TopKAT	M09680B124	OrPT for OrTOP - Tested	811022558
Lock - TopKAT	M09680B106	Lock + 2 Equable Keys	813138800
Sensor Islander Kit	M09680B096	Sensor OrIC Kit	819238500

Spare Parts Table

Part Description	GVR P/N	Orpak Description	Orpak P/N
Mechanical Assy Printer Box - TopKAT	M09680B107	Mechanical Assy Printer Box	819020300
Assy, Door Islander/ICR PRIME, with Printer	M09680B064	Door Assy - OrIC w/Printer	819038090
Assy, Door Islander/ICR PRIME, Without Printer	M09680B065	Door Assy - OrIC w/o Printer	819038091
Window, Fleetkey	M09680B111	Window, Datakey OrIC, Printed (DK only)	814907130
Window, Receipt and Fleetkey	M09680B112	Window, Printer/DK OrIC, Printed (DK and Printer)	814907140
Window, Receipt	M09680B113	Window, Printer OrIC, Printed (Printer only)	814907150
CFN PLUS lock	M09680B097	Lock, Rittal Box (OrCU 3000)	813102500
Upgrade Kit OrTC DC/DC Converter	M09680B093	PCB Assy CONV. 24 V OrTC, Tested	819538020
Upgrade Kit FleetKey - Islander/ICR PRIME with Printer	M09680B094	Upgrade New Datakey OrIC w/PRN	819038093
Upgrade Kit FleetKey - Islander/ICR PRIME w/o Printer	M09680B095	Upgrade New Datakey OrIC w/o P	819038094
Bracket, Metal 7H, Round Bobbin	M09680B098	Bracket Metal 7H Round Bobbin	819313380
Cold Weather Cable Kit	M09680B054	Cold Weather Cable Kit	819138101
Hardware upgrade kit	M09680B055	Hardware upgrade kit	TBD
Door stop kit	M09680B056	Door stop kit	TBD
Panel, Decorative - OrPT	M09680B057	Decorative Panel	814942525
Islander - ICR Lock Kit	M09680B088	Lock Kit	819038200
MIFARE Pod Power Supply 115/230V-15V-1a	M09680B120	MIFARE Pod Power Supply 115/230V-15V-1a	811307100
MIFARE Pod Power Cable, 115V	M09680B121	MIFARE Pod Power Cable, 115V	819302950
MIFARE Pod RS-232 Harness	M09680B122	MIFARE Pod RS-232 Harness	819136700
Window, Logo Gasboy, Islander/ICR PRIME	M09680B125	Window, Logo Gasboy OrIC	814980610
Protector OrIC 8M + 5 Port	M09680B126	Protector OrIC 8M +5 Port	814985501
Card Swipe Cover - OrPT	M09680B127	Swiper 43 Cover Printed, OrPT	814942100
Label, Caution, AC Cover	M09680B128	Label, Caution, ORU+ AC Cover	817302100
FHO HID Pod (New-920PT)	PA04020030	FHO HID Pod (New-920PT)	800918260
HID RP40 KIT SET-ORIC/ORIT	M09680B134	HID RP40 KIT SET-ORIC/ORIT	819218050
PCB Assy 15-24V LEDS Card	M09680B129	PCB Assy 15- 24V LEDS Card	819523150
PAS Controller (OrCU)	PA0416000000	OrCU Passport (GB) - Tested	811035520
PAS Power Supply	M09680B131	P.S 115/230 24 VDC + 6P CONN, ORCU	811301635
PAS Harness, 232-Direct D9	M09680B132	Harness, 232 Direct D9	819138150
TBD	M09680B133	Lock, 2576000 + Long + Access - RITTA (OrCU 3000)	813102550
OrCU PRIME- nOrCU (FCC Board)	M15778B206	OrCU PRIME- nOrCU (FCC Board)	819241000
PCB ASSY-LAN TO 3x485 Hub	M15778B200	PCB ASSY-LAN TO 3x485 Hub	819527280
5-Port for Islander/ICR PRIME	M15778B214	5-Port for OrIC PRIME	819250200
PCB ASSY, LEDS Card Islander/ICR PRIME	M15778B202	PCB ASSY, LEDS Card OrIC	819523170
ASSY-Backplane - Islander/ICR PRIME	M15778B203	PCB ASSY-Backplane-OrIC P	819550000
Islander/ICR PRIME-2M Card	M15778B001	OrIC PRIME-2M Card	819250010
Islander/ICR PRIME-4M Card	M15778B002	OrIC PRIME-4M Card	819250020
Islander/ICR PRIME-4x485 Card	M15778B003	OrIC PRIME-4x485 Card	819250030
Islander/ICR PRIME-4xTokheim Card	M15778B004	OrIC PRIME-4xTokheim Card	819250040
Islander/ICR PRIME- 4xC.Loop Card	M15778B005	OrIC PRIME- 4xC.Loop Card	819250050
Islander/ICR PRIME-2x422+ 2 X 232 Card	M15778B006	OrIC PRIME-2x422+ 2 X 232 Card	819250060
ASSY Power Supply Islander/ICR PRIME-Ext Temp	M15778B215	ASSY P.S OrIC PRIME-Ext Temp	819282450

Part Description	GVR P/N	Orpak Description	Orpak P/N
OrPAY1000 with Cables	M15778B208	OrPAY1000 GASBOY for OrIC	800827853
OrPAY 1000 with Activated Wireless Gateway	M15778A208	OrPAY1000 GASBOY for OrIC	800827853
ASSY-OrPAY1000 Insert Card Reader	M15778B007	ASSY-OrPAY1000 Insert Card Reader	819227851
Insert Card Reader with Cover	M15778B012	ASSY-OrPAY1000 Insert Card Reader with Cover	819227859
Islander/ICR PRIME Barcode Set	M15778B009	OrIC PRIME Barcode Set	819250100
Printer G2 UL+Funnel for Islander/ICR PRIME	M15778B008	Printer G2 UL+Funnel for OrIC	800919955
Islander/ICR PRIME- Pedestal, Bottom	M15778B100	OrIC PRIME- Pedestal, Bottom	819050010
Islander/ICR PRIME-ADA- Pedestal, Bottom	M15778B101	OrIC PRIME-ADA- Pedestal, Bottom	819050020
Islander/ICR PRIME-SST- Pedestal, Bottom	M15778B102	OrIC PRIME-SST- Pedestal, Bottom	819050030
Islander/ICR PRIME-ADA- SST-Pedestal, Bottom	M15778B103	OrIC PRIME-ADA- SST-Pedestal, Bottom	819050040
License, WGT for OrPAY1000	KS612K201	License, WGT for OrPAY1000	800927840
Wireless Gateway for Islander PLUS, ICR PLUS	PA04000000	WGT Unit	800939300
FTC – Installation kit	MO9680B039	OrTC Installation Kit - Shock Observer + Plate	819040120
MIFARE Reader	PA04020001	OrTR (MIFARE, Swipe Reader)	800910930
FTC Remote Display - Keypad, MIFARE	PA04020101	OrTR-KB (OR, MF, ENG)	800910926
FTC Remote Display-Keypad, MIFARE, Card Swiper	PA04020201	OrTR KB (OR, MF, SW, ENG)	800910927
MIFARE Pod connected to FHO to read Tags (Obsolete)	PA04020000	FHO MIFARE POD	800910980
HID POD Connected to FHO to Read HID Cards	PA04020010	HID POD	800918200
HID Indala POD	PA04020020	HID Indala POD	800918250
PRIME MIFARE Tag Reader	PA04020401	FHO MIFARE POD	800927855
MIFARE Tag Blue	M09679B001	MIFARE Tag Blue	800909831
MIFARE Tag Red	M09679B002	MIFARE Tag Red	800909832
MIFARE Tag Black	M09679B007	MIFARE Tag Black	800909888
MIFARE Card - White Blank	M09679B003	MIFARE Card – White blank	819209854
MIFARE Card – Green with Sequential Number	M09679B005	MIFARE Card Green +N	819209883
MIFARE Card – White with Sequential Number	M09679B004	MIFARE Card White +N	819209882
MIFARE Card – Yellow with Sequential Number	M09679B006	MIFARE Card Yellow + N	819209884
Outdoor Wireless Gateway Terminal for CFN PLUS	PA04000001	WGT Outdoor Unit	800939351
Outdoor Wireless Gateway Terminal for Fuel Truck Controller	PA04000002	MWGT Outdoor - OrTC	800939366
Outdoor Wireless Gateway Terminal for CFN PLUS - Compact Version	PA04000011	WGT Outdoor Unit	800939351
Outdoor Wireless Gateway Terminal for Fuel Truck Controller - Compact Version	PA04000012	MWGT Outdoor - OrTC	800939366
nNR, ZVA, OPW 11 A+B, HUSKY	M09677B035	nNR, ZVA, OPW 11 A+B, HUSKY	800960000
nNR, ZVA, OPW 11 A+B, HUSKY + switch for use with Tanker Truck	M09677B037	nNR, ZVA, OPW 11 A+B, HUSKY + switch for use with Tanker Truck	800960100
nNR ZVA, OPW7H + switch for use with Tanker Truck	M09677B038	OPW7H + switch for use with Tanker Truck	800960150
nNR ZVA, OPW7H	M09677B036	nNR ZVA, OPW7H	800960050
NR, NANO, CNG XL	M09677B041	NR, NANO, CNG XL	800960060
NR, NANO, TOG, CNG XL	M09677B042	NR, NANO, TOG, CNG XL	800960160
NR Adaptor OPW 7H Nozzle	M09677B016	NR Adaptor OPW 7H Nozzle	819739105
nNR Small Protector	M09680B160	nNR Small Protector	819060010
nNR Large Protector	M09680B161	nNR Large Protector	819060100
Battery Pack 3.6V-NNR	M09680B164	Battery Pack 3.6V-NNR	812560010
Lithium Battery, Size2/3AA	M09680B137	Lithium Battery, Size2/3AA	812539200
Self-Installed Rings 70 mm (2.75")	M09678B001	FuelPass HS Set Assy (Self-install) 70 mm	800905330
Self-Installed Rings 105 mm (4.13")	M09678B002	FuelPass HS Set Assy (Self-install) 105 mm	800905332
Self-Installed Rings 120 mm (4.72")	M09678B003	FuelPass HS Set Assy (Self-install) 120 mm	800905333

Spare Parts Table

Part Description	GVR P/N	Orpak Description	Orpak P/N
Self-Installed Rings 130 mm (5.11")	M09678B004	FuelPass HS Set Assy (Self-install) 130 mm	800905334
Shaped Rings 75 mm (2.95")	M09678B005	FueloPass HS Set Assy (Shaped) 75 mm	800905301
Shaped Rings 85 mm (3.34")	M09678B006	FueloPass HS Set Assy (Shaped) 85 mm	800905302
Shaped Rings 95 mm (3.74")	M09678B007	FueloPass HS Set Assy (Shaped) 95 mm	800905303
Molded Rings 55 mm (2.165")	M09678B010	FueloPass HS Set Assy (Molded) 55 mm	800905340
Molded Rings 80 mm (3.15")	M09678B011	FueloPass HS Set Assy (Molded) 80 mm	800905341
Molded Rings 90 mm (3.54")	M09678B012	FueloPass HS Set Assy (Molded) 90 mm	800905342
Molded Rings 95 mm (3.74")	M09678B013	FueloPass HS Set Assy (Molded) 95 mm	800905343
Molded Rings 110 mm (4.33")	M09678B014	FueloPass HS Set Assy (Molded) 110 mm	800905344
Molded Rings 120 mm (4.72")	M09678B015	FueloPass HS Set Assy (Molded) 120 mm	800905345
Molded Rings 130 mm (5.11")	M09678B016	FueloPass HS Set Assy (Molded) 130 mm	800905346
Molded Rings 145 mm (5.71")	M09678B017	FueloPass HS Set Assy (Molded) 145 mm	800905347
Self-Installed Rings Wiggins 125 mm x 183 mm	M09678B018	FuelOPass HS assembly, Wiggins 125 x183	819312640
Self-Installed Rings Wiggins 96 mm x 154 mm	M09678B019	FuelOPass HS assembly, Wiggins 96 x154	819312641
Self-Installed Rings Self-Installed Installation Kit- Heavy Vehicle (100 units)	M09680B053	Self-Installed Installation Kit- Heavy Vehicle (100 units)	819005407
Vehicle Tank Rings Install Kit - 100 rings - Light Duty Vehicles	M09678B023	Installation Kit	819005404
Vehicle module, OBD Canbus PLUS	M09693B005	uDataPass CAN (PLUS)	800907430
Vehicle module, OBD K-Line PLUS	M09693B006	uDataPass K-Line (PLUS)	800907431
uDATAPASS II PLUS	M09693B009	uDATAPASS II PLUS	800907451
DataPass (OBD + Pulses) – wired	M09693B004	DataPass (OBD+ Pulses)	800907300
Heavy vehicles and vehicles without bus that uses pulses (J1708/1587+FMS + Pulses)	M09693B001	DataPass (J1708/FMS + Pulses)	800907310
Replacement Lens	M15778B010	N/A	N/A
PIN Pad for EMV	M17985B001	N/A	N/A
Card Reader Ethernet	M17986B001	N/A	N/A
Window, Logo Gasboy, OrIC	M09680B125	Window, Logo Gasboy, OrIC	814980610
Fuel Cube - Antenna and security chip all-in-one Z-FL0-VTR021	M09678B021	Fuel Cube - Antenna and security chip	819205528

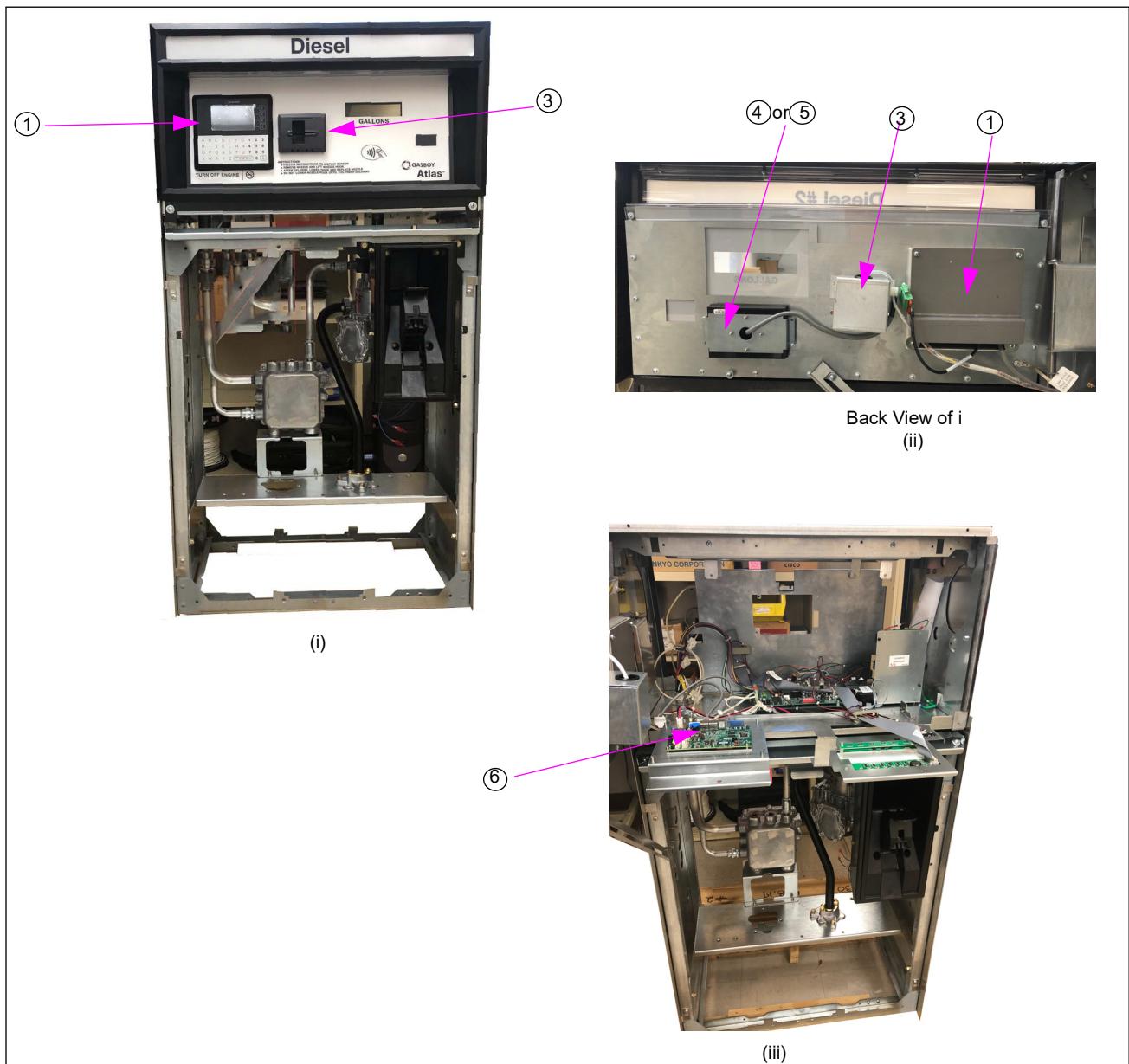
2 – Station Automation Hardware

The following section lists the spare parts available for the different Forecourt Controllers offered by Gasboy.

2.1 Atlas PRIME

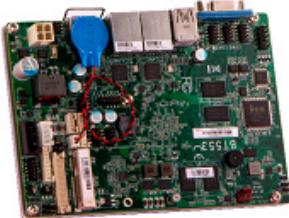
This section contains information on the recommended spare parts.

Figure 1: Atlas PRIME Dispenser



A summary of the available components listed as follows in [Table 2](#).

Table 2: Atlas PRIME Recommended Spares

Item No.	Picture (not to scale)	Gasboy P/N and Description
1		M15778B208 OrPAY1000 with Cables M15778A208 OrPAY1000 with Activated Wireless Gateway
2		M12760A001 PCA, Hub Interface (HIP2) (Found in dual-sided dispensers)
3		M15778B007 Insert Magnetic Card Reader
4		M09680B134 Kit, HID Universal
5		M09680B058 Kit, HID Indala
6		M15778B206 OrCU Assembly

2.2 Islander PRIME Parts

This section contains the parts information for Islander PRIME pedestal that supports up to 2 mechanical dispenser blades and up to 3 electronic dispenser blades (see [Figure 2](#) and [Table 3](#) on [page 10](#)).

Figure 2: Islander PRIME Components Location

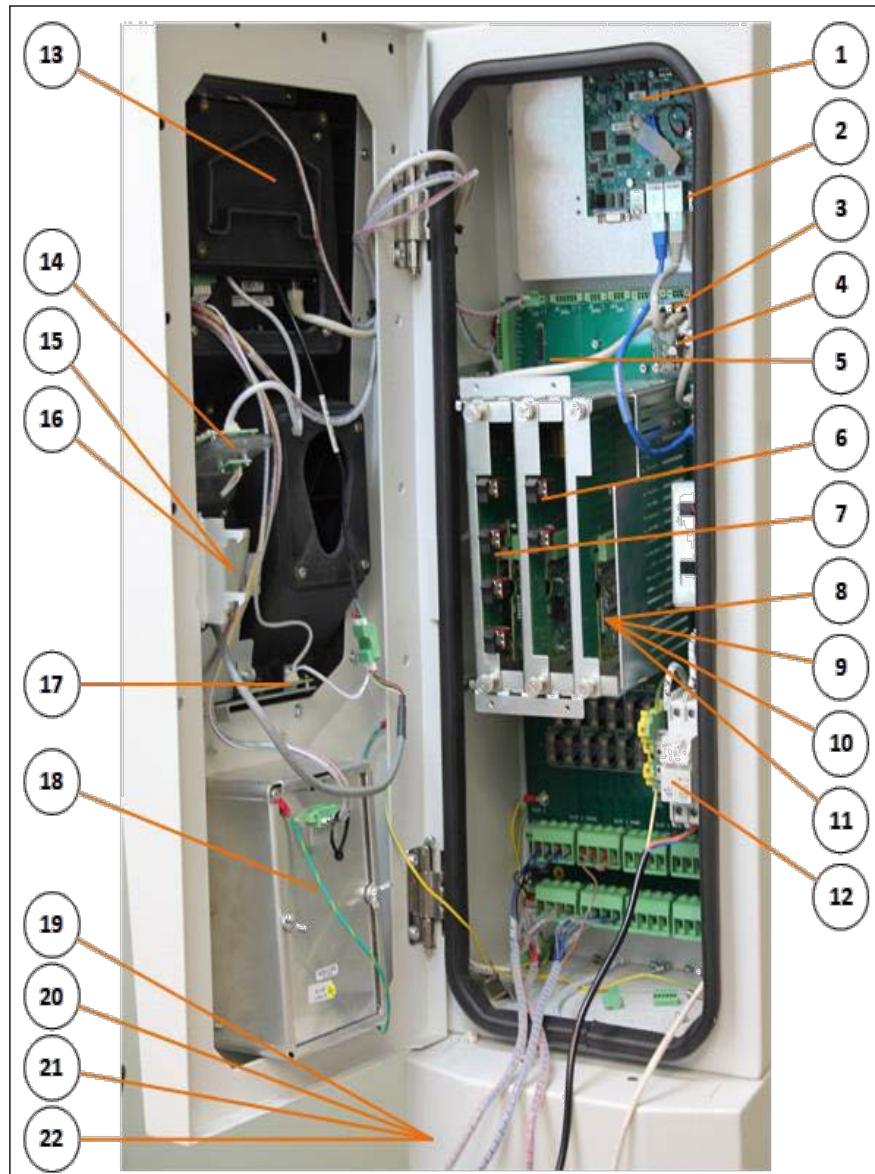
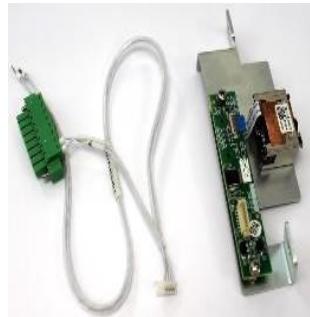
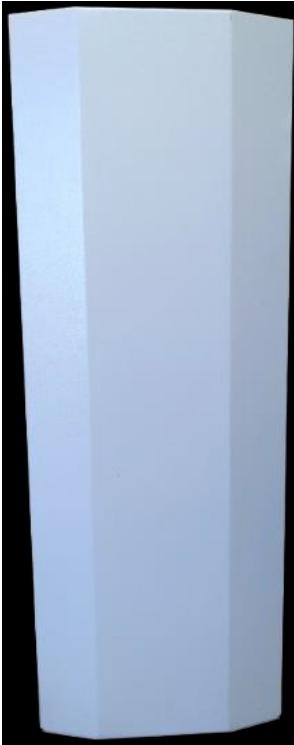


Table 3: Islander PRIME Parts List

Item No.	Picture (not to scale)	Gasboy P/N and Description	Orpak P/N and Description
1		M15778B206 OrCU PRIME- nOrCU (FCC Board)	819241000 OrCU PRIME- nOrCU (FCC Board)
2		M15778B200 PCB ASSY-LAN TO 3x485 Hub	819527280 PCB ASSY-LAN TO 3x485 Hub
3		M15778B214 5-Port for Islander/ICR PRIME	819250200 5-Port for OrIC PRIME
4		M15778B202 PCB ASSY, LEDS Card Islander/ICR PRIME	819523170 PCB ASSY, LEDS Card OrIC
5		M15778B203 PCB ASSY-Backplane - Islander/ICR PRIME	819550000 PCB ASSY-Backplane-OrIC P
6		M15778B001 Islander/ICR PRIME-2M Card PRIME 2-Hose Mechanical Pump Interface (MPI) Card	819250010 OrIC PRIME-2M Card 819250015 PRIME 2-Hose MPI Card

Item No.	Picture (not to scale)	Gasboy P/N and Description	Orpak P/N and Description
7	A green printed circuit board (PCB) with various electronic components, connectors, and four red terminal blocks on the left side.	M15778B002 Islander/ICR PRIME-4M Card PRIME 4-Hose MPI Card	819250020 OrIC PRIME-4M Card 819250025 PRIME 4-Hose MPI Card
8	A green printed circuit board (PCB) with various electronic components and a metal mounting bracket on the left side.	M15778B003 Islander/ICR PRIME-4x485 Card	819250030 OrIC PRIME-4x485 Card
9	A green printed circuit board (PCB) with various electronic components and a metal mounting bracket on the left side.	M15778B004 Islander/ICR PRIME-4xTokheim Card	819250040 OrIC PRIME-4xTokheim Card
10	A green printed circuit board (PCB) with various electronic components and a metal mounting bracket on the left side.	M15778B005 Islander/ICR PRIME- 4xC.Loop Card	819250050 OrIC PRIME- 4xC.Loop Card
11	A green printed circuit board (PCB) with various electronic components and a metal mounting bracket on the left side.	M15778B006 Islander/ICR PRIME-2x422+ 2 X 232 Card	819250060 OrIC PRIME-2x422+ 2 X 232 Card
12	A photograph of a power supply assembly mounted on a metal plate. It includes a metal housing with various electrical components and wiring.	M15778B215 ASSY Power Supply Islander/ICR PRIME-Ext Temp	819282450 ASSY P.S OrIC PRIME-Ext Temp

Item No.	Picture (not to scale)	Gasboy P/N and Description	Orpak P/N and Description
13		M15778B208 OrPAY1000 with Cables M15778A208 OrPAY 1000 with Activated Wireless Gateway (Used with FuelPoint PLUS)	800827853 OrPAY1000 GASBOY for OrIC
14		M15778B007 ASSY-OrPAY1000 Insert Card Reader	819227851 ASSY-OrPAY1000 Insert Card Reader
15		M15778B012 Insert Card Reader with Cover	819227859 ASSY-OrPAY1000 Insert Card Reader with Cover
16		M09680B134 HID Universal	819218050 HID Universal
17		M09680B058 HID-Indala	819218100 HID-Indala
18		M15778B009 Islander/ICR PRIME Barcode Set	819250100 OrIC PRIME Barcode Set

Item No.	Picture (not to scale)	Gasboy P/N and Description	Orpak P/N and Description
19		M15778B008 Printer G2 UL+Funnel for Islander/ICR PRIME	800919955 Printer G2 UL+Funnel for OrIC
20		M15778B100 Islander/ICR PRIME- Pedestal, Bottom	819050010 OrIC PRIME- Pedestal, Bottom
21		M15778B101 Islander/ICR PRIME-ADA- Pedestal, Bottom	819050020 OrIC PRIME-ADA- Pedestal, Bottom
22		M15778B102 Islander/ICR PRIME-SST- Pedestal, Bottom	819050030 OrIC PRIME-SST- Pedestal, Bottom
23		M15778B103 Islander/ICR PRIME-ADA- SST-Pedestal, Bottom	819050040 OrIC PRIME-ADA- SST-Pedestal, Bottom
24	N/A	KS612K201 License, WGT for OrPAY1000	800927840 License, WGT for OrPAY1000
25		M09680B018 Lock	813100800 Lock
26		M09680B101 Paper Roll for TopKAT, Islander PRIME Printer	816600400 Paper Roll, 57 mm x 40 mm, 55gr Term

Item No.	Picture (not to scale)	Gasboy P/N and Description	Orpak P/N and Description
27		M17443K001 Cradlepoint Cell Modem Kit	N/A
28		M17985B001 PIN Pad for EMV M17986B001 Card Reader Ethernet	N/A
29		M15778B010 Replacement Lens	N/A

2.3 Islander PLUS/ICR PLUS for Mechanical Pumps

This section contains the parts information for Islander/ICR PLUS pedestals that support 2/4 mechanical dispensers or electronic dispensers (see [Figure 3](#) and [Table 4](#) on page 16).

ICR PLUS for mechanical dispensers includes the same components, excluding the Controller unit (**M09680B004**).

Figure 3: Islander PLUS Components Location

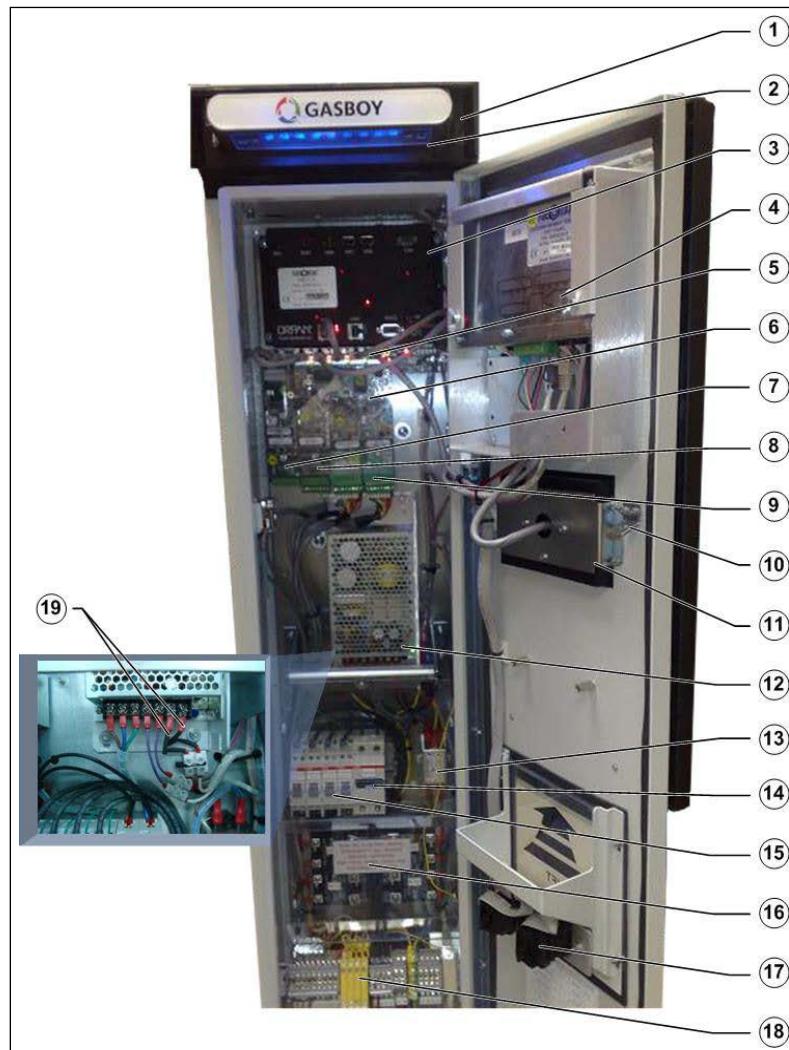


Table 4: Islander PLUS/ICR PLUS Spare Parts

Item No.	Picture (not to scale)	Gasboy P/N and Description	Orpak P/N and Description
1		PA04000000 (Optional, located inside Top Cover) Wireless Gateway for Islander PLUS, ICR PLUS	800939300 WGT Unit
2		M09680B042 Islander and ICR PLUS Top Cover	819238056 Top Cover GB
3		M09680B004 Controller	811035510 OrCU-N (Metal) Tested
4		M09680B038 Payment Panel includes Card Swiper and MIFARE Reader	800922576 OrPT PANL.Extended Swip MIF.GRA
5		M09680B032 Hub Switch	819225210 KIT ASSY. 5 Port Switch
6		M09680B021 8 Port CommVerter	819523469 8P CommVerter + Strt.LAN
7		M09680B017 (Optional) RS-485 Pump Interface Card	819223460 RS-485 P.B. 8P Test
8		M09680B041 (Optional) RS-232 VR/Pump Interface Card	819223451 RS-232 INT. (PB 8P) Test
9		M09680B019 (Optional) Mechanical Pump Interface Card	819223490 Assy, MPI+SUB P.B.(8P), Tested

Item No.	Picture (not to scale)	Gasboy P/N and Description	Orpak P/N and Description
10		M09680B018 Lock	813100800 Lock
11		M09680B040 (Optional) HID Installation Kit M09680B058 HID Indala Kit	819218000 HID Kit-set OrlC/OrlT 819218100 HID Indala Kit 819218050 HID RP40 Kit Set - OrlC/OrlT
12		M09680B041 Power Supply: 100 - 240 VAC, 100 W	811300164 P.S 100 - 240 VAC,100 W
13		M09680B008 Line Filter	811400200 Line Filter, 5500.2042, Schurter
14		M09680B048 Circuit Breaker	813104450 Circuit Breaker
15		M09680B045 Switch	813104530 Switch
16		M09680B044 Relay Solid State 250 V, 25 A	813105950 Relay Solid State 250 V, 25 A
17		M09680B027 Harness, Data Key Socket/OrPT	819138050 Harness, Data Key Socket/OrPT
18		M09680B025 T.B Init Module	813317800 T.B.INT.Module,100- 240 V UL CSA
19		M09680B036 Fuse	819138051 Harness, P.S.Fuse Conn.24 V

2.3.1 Islander PLUS/ICR PLUS Printer Module

The following section describes the spare parts available for Islander and ICR PLUS Printer Module P/N M09680B034 (Printer Module Assy Kit, OrIC, P/N 819238095) (see [Figure 4](#) and [Table 5](#)).

Figure 4: Islander PLUS/ICR PLUS Printer Module

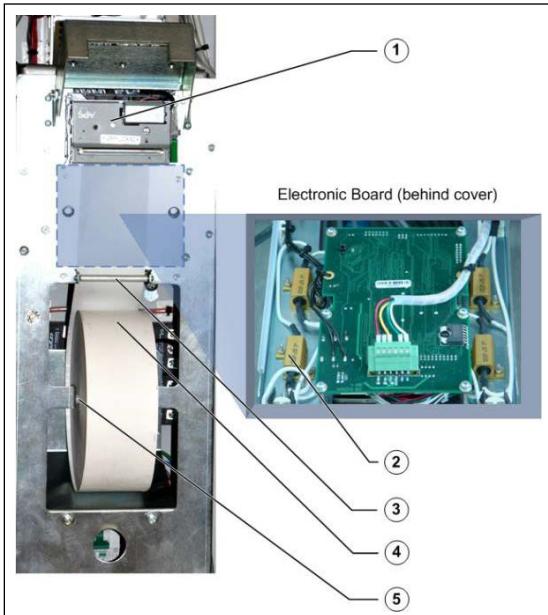


Table 5: Islander PLUS/ICR PLUS Printer Module Spare Parts

Item No.	Picture (not to scale)	Gasboy P/N and Description	Orpak P/N and Description
1		M09680B023 Head of Printer + Harness	813107480 Prin.High Speed + Harness,24 V
2		M09680B033 PCB card for Printer	819519950 PCB Assy.G2 Printer ENG,Tested
3		M09680B109 Cylinder Roll for Receipt Printer	814948400 Cylinder Roll, Printer Module
4		M09680B043 Paper Roll for Receipt Printer	816600430 Paper Roll 57 mm, D 150 mm Therm
5		M09680B108 Paper Roll Pivot for Receipt Printer	814911100 Shaft, Paper Roll SCU+AXIOHM
6		M09680B110 Screws for Cylinder Roll for Receipt Printer (100 pcs)	815213100 Screw, M2.5 X6 PAN HD Cross Rec (100 pcs)

2.3.2 Islander PLUS 8 Mechanical Pumps Additional Components

This section describes the additional components included in Islander PLUS pedestals that support up to 8 mechanical dispensers (see [Figure 5](#) and [Table 6](#) on page 20).

Figure 5: Islander PLUS for 8 Mechanical Pumps-Additional Components Location

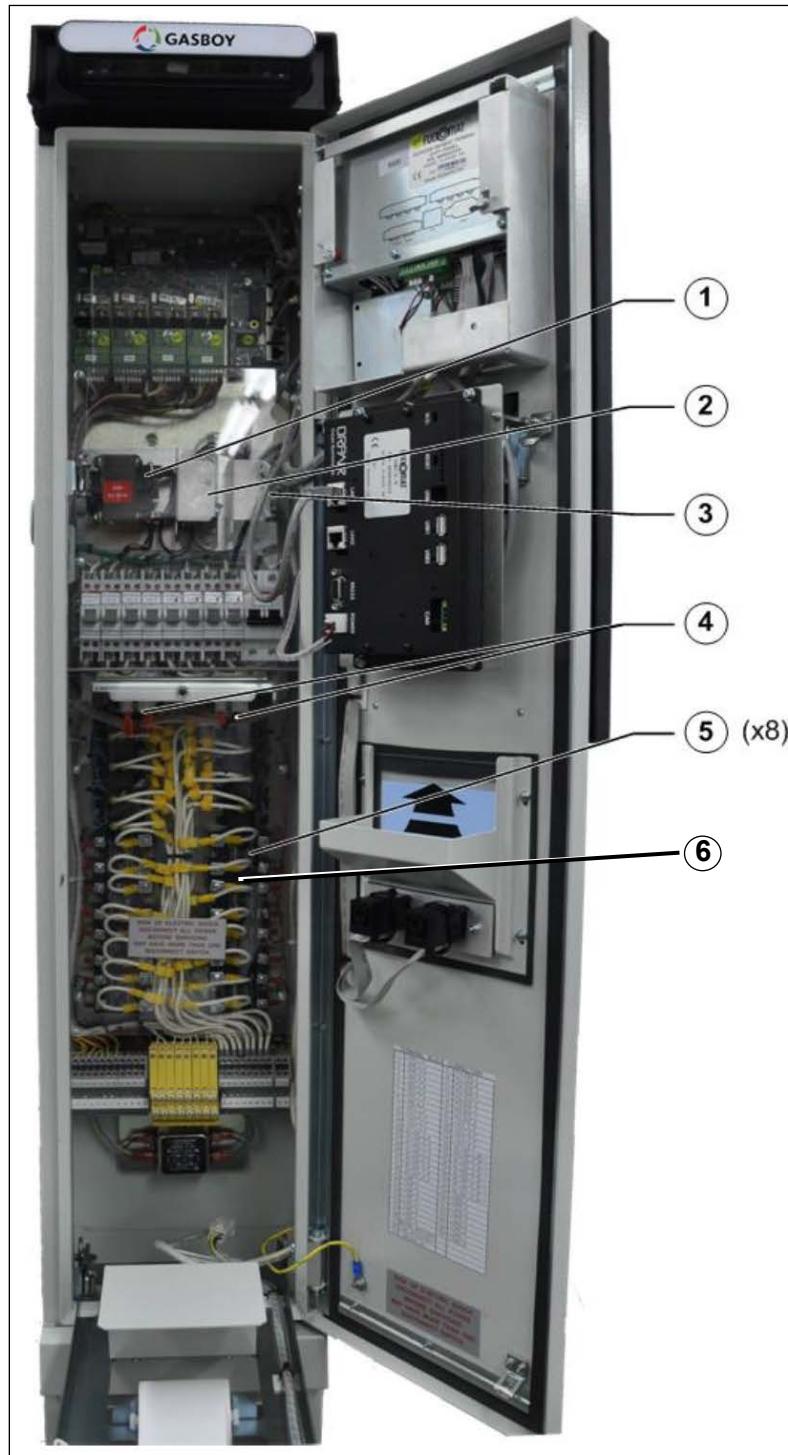


Table 6: Islander PLUS for 8 Mechanical Pumps Specific Spare Parts

Item No.	Picture (not to scale)	Gasboy P/N and Description	Orpak P/N and Description
1		M09680B022 Transformer - 24 V	811338000 Transformer 24 V 3.33 A, CL2-80-24
2		M09680B083 PCB Assy Power Supply 24 V DC	819538035 PCB Assy P.S 24 V DC
3		M09680B052 PCB Assy Power Supply 32 V DC	819538036 PCB Assy P.S -32V DC
4		M09680B084 PCB Assy Power Supply 24 V DC- 8 Hoses	819538040 PCB ASSY, SSR (8 Hose)
5		M09680B085 Relay 30 A	813111300 Relay 30 A
6		M09680B126 Protector OrIC 8M + 5 Port	814985501 Protector OrIC 8M + 5 Port

2.3.3 ICR PLUS

The following section describes the spare parts available for ICR PLUS pedestals (see [Figure 6](#) and [Table 7](#) on page 22).

Figure 6: ICR PLUS Components Location

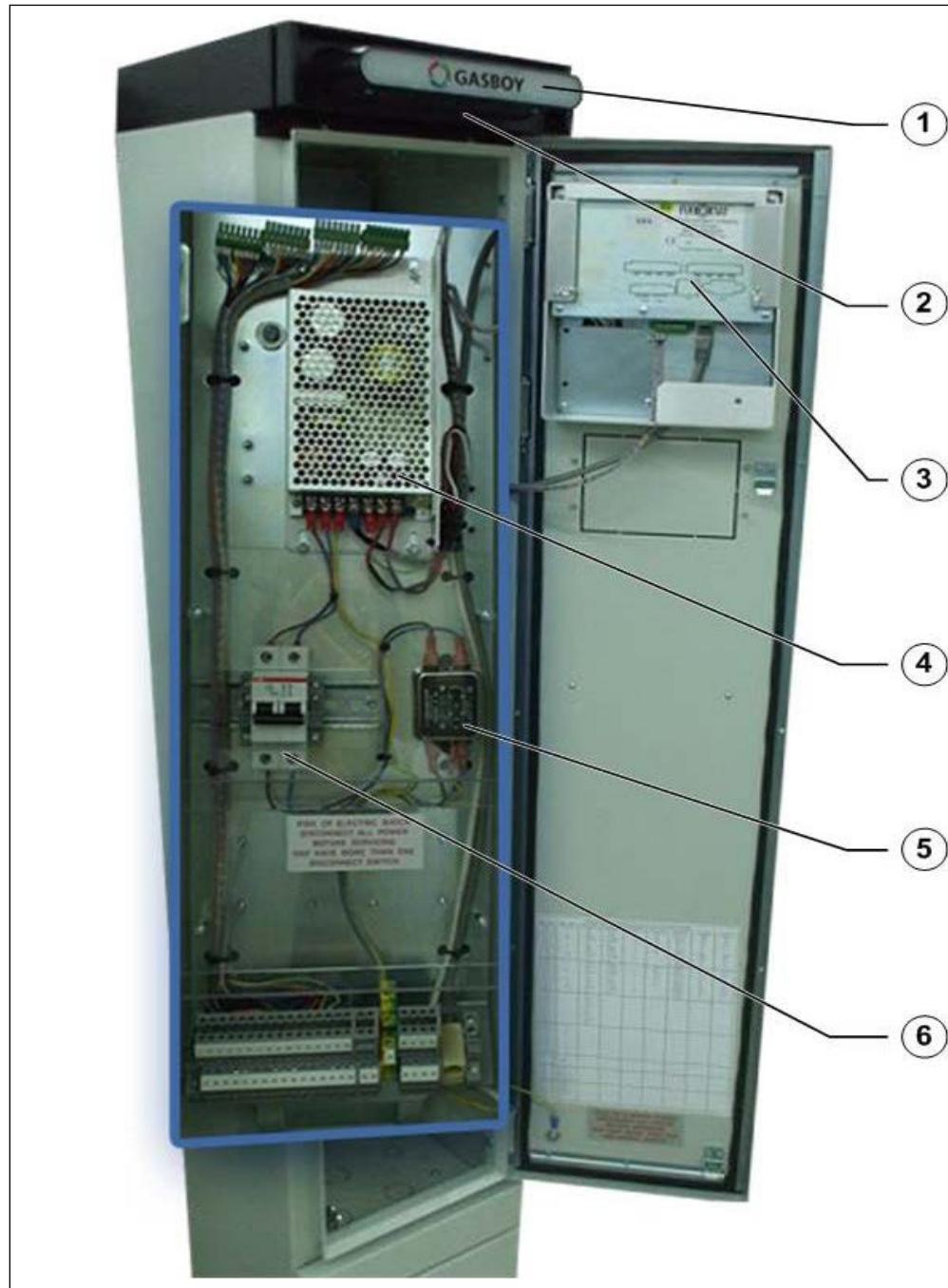
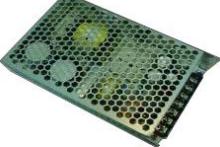


Table 7: ICR PLUS Spare Parts

Item No.	Picture (not to scale)	Gasboy P/N and Description	Orpak P/N and Description
1		PA04000000 (Optional, located inside Top Cover) Wireless Gateway for Islander PLUS, ICR PLUS	800939300 WGT Unit
2		M09680B042 Islander and ICR PLUS Top Cover	819238056 Top Cover GB
3		M09680B038 Payment Panel includes Card Swiper and MIFARE Reader	800922576 ORPT PANL.EXTENDED SWIP MIF.GRA
4		M09680B041 Power Supply: 100-240 VAC, 100W	811300164 P.S 100-240 VAC, 100 W
5		M09680B008 Line Filter	811400200 Line FILTER, 5500.2042, SCHURTER
6		M09680B048 Circuit Breaker	813104450 Circuit Breaker

2.3.4 Islander PLUS/ICR PLUS Door and Packing Parts

The following table lists the pedestal doors, door parts, and packs for Islander PLUS/ICR PLUS.

Table 8: Islander PLUS/ICR PLUS Door Parts

Item No.	Picture (not to scale)	Gasboy P/N and Description	Orpak P/N and Description
1	Not in Use	M09680B096 Sensor Islander KIT	819238500 Sensor OrIC KIT
2		M09680B064 ASSY, Door - Islander/ICR PLUS, with Printer	819038090 Door Assy - OrIC with Printer
3		M09680B065 ASSY, Door - Islander/ICR PLUS, without Printer	819038091 Door Assy - OrIC w/o Printer
4		M09680B111 Window, Fleetkey	814907130 Window, Datakey OrIC, Printed (DK only)
5		M09680B112 Window, Receipt and Fleetkey	814907140 Window, Printer/D K OrIC, Printed (DK and Printer)
6		M09680B113 Window, Receipt	814907150 Window, Printer OrIC, Printed (Printer only)
7		M09680B125 Window, Logo Gasboy, OrIC	814980610 Window, Logo Gasboy, OrIC
8		M09680B042 Top Cover GB	819238056 Top Cover GB

2.4 CFN PLUS/Extension Box

This section contains parts information for CFN PLUS/Extension Box cabinets that support 2/4 mechanical dispensers or electronic dispenses. Extension box for mechanical dispensers (PA03990000) includes the same components, excluding the Controller unit (M09680B004) (see [Figure 7](#) and [Table 9](#)).

Figure 7: CFN PLUS Components Location

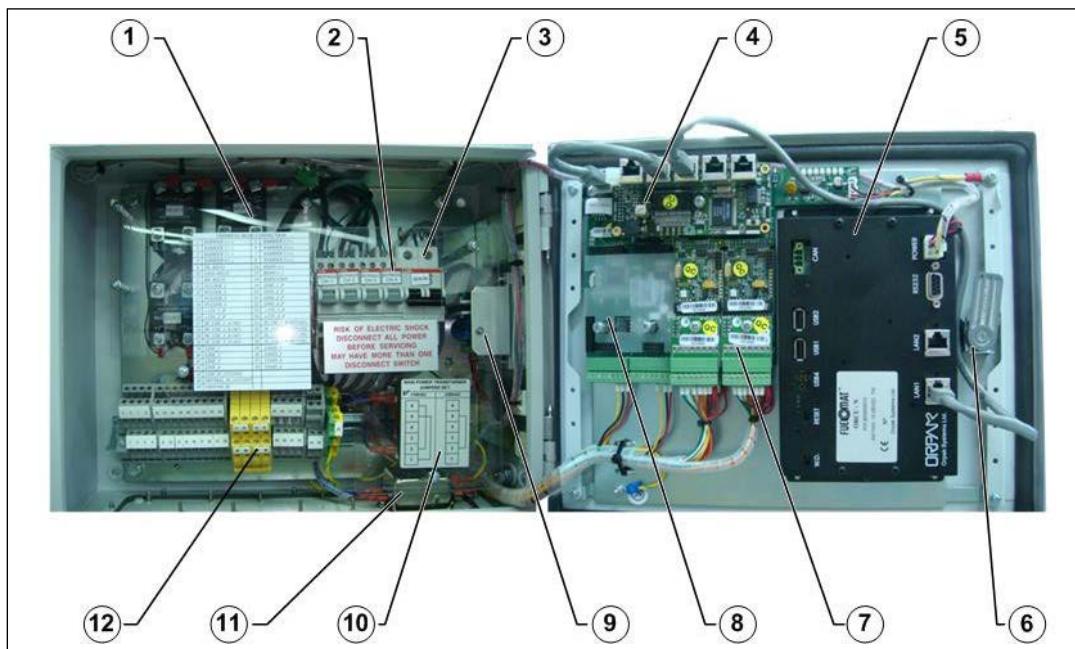


Table 9: CFN PLUS Spare Parts

Item No.	Picture (not to scale)	Gasboy P/N and Description	Orpak P/N and Description
1		M09680B044 Relay Solid State 250 V, 25 A	813105950 Relay Solid State 250 V, 25 A
2		M09680B045 Switch	813104530 Switch
3		M09680B048 Circuit Breaker	813104450 Circuit Breaker
4		M09680B032 Hub Switch	819225210 Kit Assy. 5 Port Switch

Item No.	Picture (not to scale)	Gasboy P/N and Description	Orpak P/N and Description
5		M09680B004 Controller	811035510 OrCU-N (Metal) - Tested
6		M15778B206 Controller CFN 360	819241000 OrCU PRIME- nOrCU (FCC Board)
7		M09680B097 CFN PLUS lock	813102500 Lock, Rittal Box (OrCU 3000)
8		M09680B019 Mechanical Pump Interface Card	819223490 Assy, MPI + Sub P.B.(8P), Tested
9		M09680B021 8 Port CommVerter	819523469 8P CommVerter + strt.LAN
10		M09680B052 PCB Assy P.S 32 VDC	819538036 PCB Assy P.S 32 VDC
11		M09680B022 Transformer – 24 V	811338000 Transformer 24V 3.33 A, CL2-80-24
12		M09680B008 Line Filter	811400200 Line Filter, 5500. 2042, Schurter
13		M09680B025 T.B Init Module	813317800 T.B.INT.Module, 10 0-240 V UL CSA

2.5 Fuel Truck Controller

This section contains parts information for Fuel Truck Controller cabinets that support 2/4 mechanical dispensers or electronic dispenses (see [Figure 8](#), [Table 10](#) and [Table 11](#) on [page 28](#)).

Figure 8: FTC Components Location

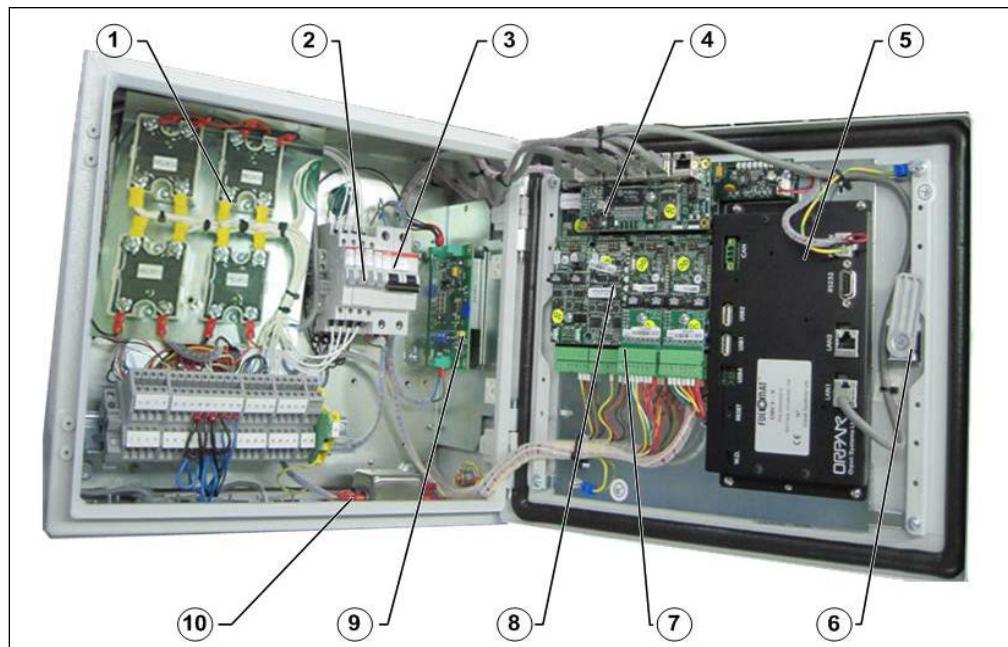


Table 10: FTC Spare Parts

Item No.	Picture (not to scale)	Gasboy P/N and Description	Orpak P/N and Description
1		M09680B011 Solid State Relay - 12 VDC, 12A	813105900 RELAY, SSR,12VDC, 12A-W6212DDX-1
2		M09680B045 Switch	813104530 Switch
3		M09680B048 Circuit Breaker	813104450 Circuit Breaker
4		M09680B032 Hub Switch	819225210 Kit Assy. 5 Port Switch

Item No.	Picture (not to scale)	Gasboy P/N and Description	Orpak P/N and Description
5		M09680B004 Controller	811035510 OrCU-N (Metal) Tested
6		M09680B097 CFN PLUS lock	813102500 Lock, Rittal Box (OrCU 3000)
7		M09680B019 Mechanical Pump Interface Card	819223490 Assy, MPI + Sub P.B.(8P), Tested
8		M09680B021 8 Port CommVerter	819523469 8P CommVerter + strt.LAN
9		M09680B093 Upgrade Kit OrTC DC/DC Converter	819538020 PCB Assy CONV. 24 V OrTC, Tested
10		M09680B008 Line Filter	811400200 Line Filter, 5500. 2042, Schurter
11		M15778B206 OrCU PRIME- nOrCU (FCC Board)	819241000 OrCU PRIME- nOrCU (FCC Board)

Table 11: FTC Optional Spare Parts

Item No.	Picture (not to scale)	Gasboy P/N and Description	Orpak P/N and Description
1		M09680B039 FTC – Installation kit	819040120 OrTC Installation Kit - Shock Observer + Plate
2		M09680B035 FTC Shock Absorber	814605600 Shock Observer (for OrTC installation Kit)
3		M09680B099 Mobile printer (12V) for FTC	800921724 Mobile printer (12 V) for OrTC

2.6 TopKAT PLUS

This section contains parts information for TopKAT PLUS system (see [Figure 9](#) and [Table 12](#) on [page 30](#)).

Figure 9: TopKAT PLUS Components Location

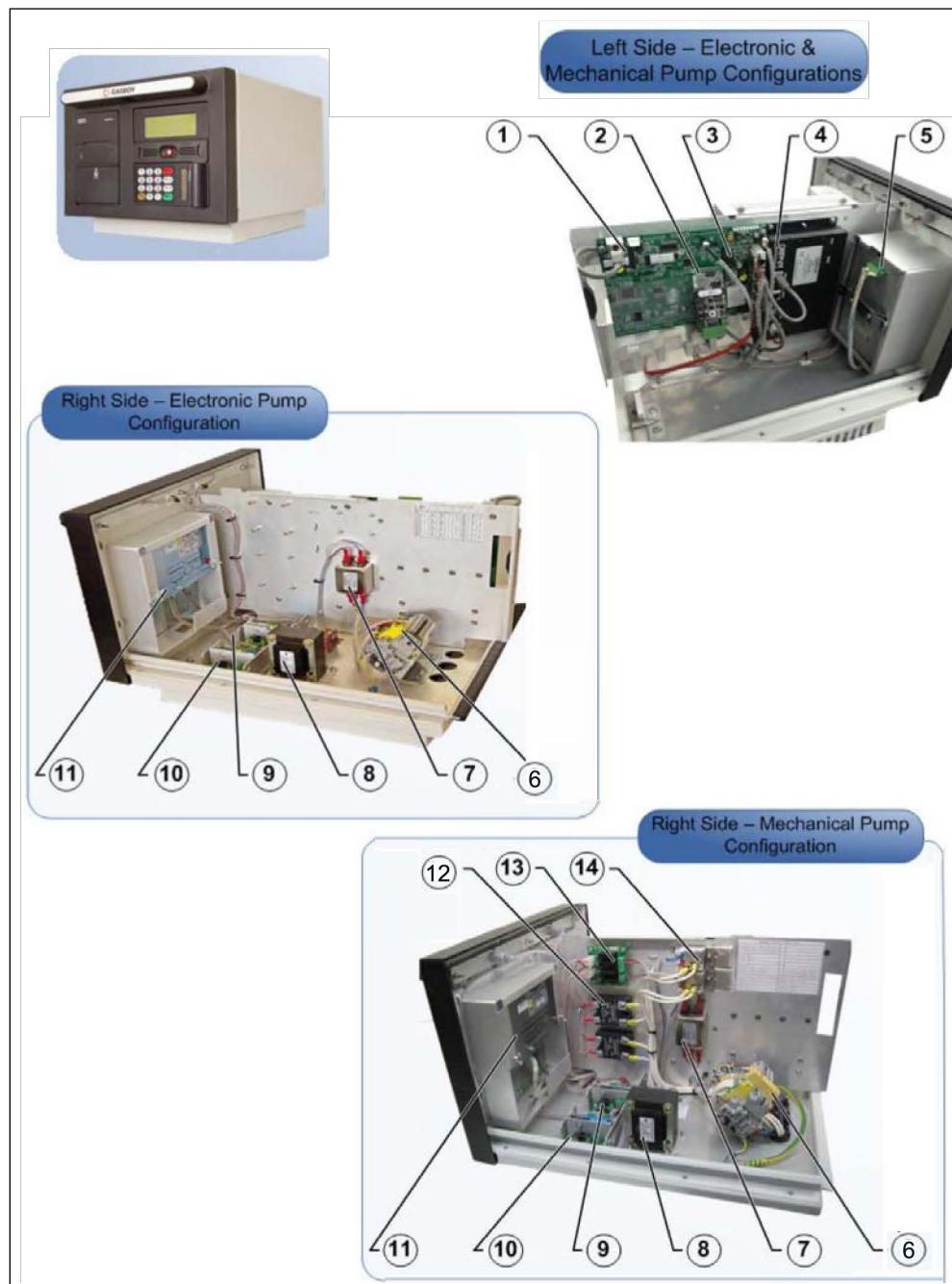
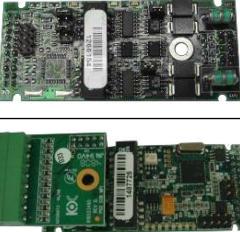


Table 12: TopKAT PLUS Electronic Spare Parts

Item No.	Picture (not to scale)	Gasboy P/N and Description	Orpak P/N and Description
1		M09680B123 8 Port CommVerter – TopKAT	819523401 PCB Assy 8 Port OrTOP Tested
2		M09680B104 Electronic: RS-485 P.B. 8P Test – TopKAT M09680B105 Mechanical: MPI+SUB P.B.(8P) - TopKAT	819223465 Electronic: RS-485 P.B. 8P Test – OrTOP 819223492 Mechanical: MPI+SUB P.B. (8P) - OrTOP
3		M09680B103 Kit 5 Port – TopKAT	819225270 KIT 5 Port + Heatsink - OrTOP
4		M09680B004 Controller	811035510 OrCU-N (Metal) - Tested
5		M09680B100 (Optional) Printer G2 – TopKAT	800919915 Printer Module UL - G2
6		M09680B025 T.B Init Module	813317800 T.B.INT.Module,100-240 V UL CSA
7		M09680B008 Line Filter	811400200 Line Filter, 5500. 2042, Schurter
8		M09680B022 Transformer – 24 V	811338000 Transformer 24 V 3.33 A, CL2-80-24
9		M09680B052 PCB Assy Power Supply 32 VDC	819538036 PCB Assy P.S 32 VDC

Item No.	Picture (not to scale)	Gasboy P/N and Description	Orpak P/N and Description
10		M09680B083 PCB Assy Power Supply 24 VDC	819538035 PCB Assy P.S 24 VDC
11		M09680B124 Payment Terminal – TopKAT	811022558 OrPT for OrTOP- Tested
12		M09680B044 (Mechanical Only) Relay Solid State 250 V, 25 A	813105950 Relay Solid State 250 V, 25 A
13		TBD (Mechanical Only)	819538045 PCB Assy, Quad OPTO Triad Test
14		M09680B085 (Mechanical Only) Relay, 30 A	813111300 Relay 30 A
15		M09680B106 Lock – TopKAT	813138800 LOCK + 2 Equable Keys
16		M09680B087 TopKAT PLUS Tag - Orange Tag	819209871 Tag, Gilbarco, Orange, INIT
17		M09680B048 Circuit Breaker (Should be added to the existing distribution board)	813104450 Circuit Breaker

2.6.1 TopKAT PLUS G2 Printer

This section contains parts information for TopKAT PLUS G2 Printer Module (M09680B100) (see [Figure 10](#) and [Table 13](#)).

Figure 10: TopKAT PLUS Printer G2 Components Location

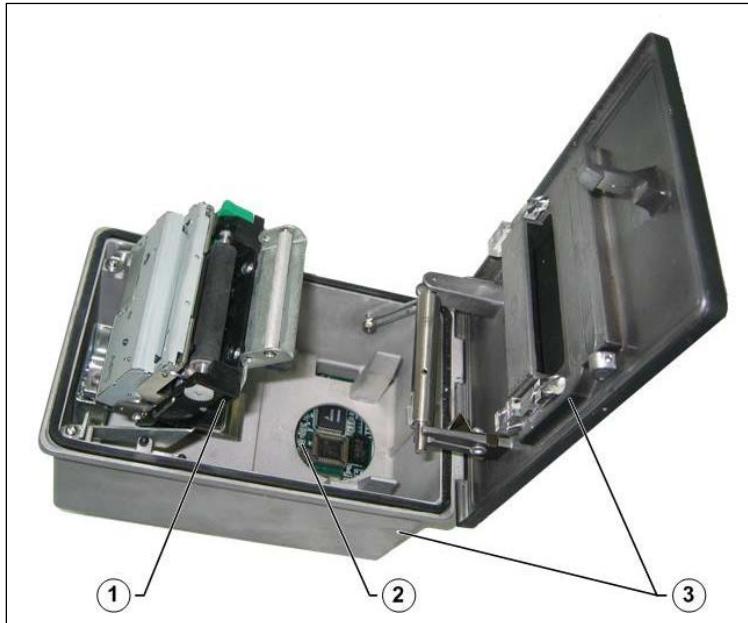


Table 13: TopKAT PLUS Printer G2 Spare Parts

Item No.	Picture (not to scale)	Gasboy P/N and Description	Orpak P/N and Description
1	A photograph of the printer head assembly, showing a black rectangular unit with a cable attached.	M09680B102 Printer Head - TopKAT	819219990 Printer Head G2 + Heater-Assy
2	A photograph of the printed circuit board (PCB) card for the printer.	M09680B033 PCB card for Printer	819519950 PCB Assy.G2 Printer Eng, Tested
3	A photograph of the mechanical assembly of the printer box, showing two dark grey plastic components.	M09680B107 Mechanical Assy Printer Box - TopKAT	819020300 Mechanical Assy Printer Box
4	A photograph of a single paper roll, showing its circular shape and yellow center.	M09680B101 Paper TopKAT Printer	816600400 Paper Roll, 57 mm x 40 mm, 55gr Term

2.7 Common Spare Parts

This section contains information on optional parts common to Gasboy's Forecourt Controllers. A summary of the standard common components available follows in [Table 14](#).

Table 14: Common Spare Parts

Item No.	Picture (not to scale)	Gasboy P/N and Description	Orpak P/N and Description
1		M09680B089 Kit OrCU (Dongle + Holder)	819235520 Kit OrCU, RS-232 Dongle + Holder
2		M09680B090 Journal Printer	800919810 Journal Printer
3		M09680B060 Extension Kit - 5 Port	819225250 Extension Kit - 5 Port
4		M09680B063 Heater Set	819204152 Heater Set
5		Obsolete	813138051 Data Key Socket, KC4210-Coat

2.7.1 Pump Interface Cards and Tools

The following table lists the available Pump Interface Cards connected to the 8 Port CommVerter (M09680B021), as well as related accessories (see [Table 15](#)).

Table 15: Pump Interface Cards and Tools

Item No.	Picture (not to scale)	Gasboy P/N and Description	Orpak P/N and Description
1		M09680B017 RS-485 Pump Interface Card	819223460 RS-485 P.B. 8P Test
2		M09680B041 RS-232 VR/Pump Interface Card	819223451 RS-232 INT. (PB-8P)- Test
3		M09680B019 Mechanical Pump Interface Card	819223490 Assy, MPI+SUB P.B.(8P), Tested
4		M09680B028 Tokheim Pump Interface Card	819223420 TOKH.INT.P.B.(8P), Tested
5		M09680B029 Current Loop Pump Interface Card	819223431 Gilbarco Pump (PB 8P) Test
6		M09680B030 RS-422 Pump Interface Card	819223471 RS-422 (PB 8P) Test
7		M09680B031 Nuovo Pignone Interface Card	819223485 Nuovo Pignone
8		M09680B105 MPI + SUB P.B. (8P)- TopKAT	819223492 MPI + SUB P.B. (8P) OrTOP
9		M09680B104 Electronic: RS-485 P.B. 8P Test TopKAT	819223465 Electronic: RS-485 P.B. 8P Test - OrTOP
10		M09680B059 Simulator for MPI-C	819523691 Simulator for MPI-C
11		M09680B037 Interface Card Extractor (from 8 Port CommVerter)	814423700 Card Extractor (8P CommVerter)

2.7.2 Payment Panel Spare Parts

The following table contains spare parts information for Payment Panels P/Ns M09680B038, M09680B124 (see [Table 16](#)).

Table 16: Payment Panel Spare Parts

Item No.	Picture (not to scale)	Gasboy P/N and Description	Orpak P/N and Description
1		M09680B013 Card Swiper	813106881 Swipe Read.Coated Track 1 and 2,43m
2		M09680B026 Keyboard Label	817322505 Label KBD.OrPT Panel
3		M09680B015 Graphic Display	819222553 Display Assy. GRA- OrPT, Extend.T
4		M09680B057 Panel, decorative – OrPT	814942525 Decorative Panel
5		M09680B127 Card Swipe Cover – OrPT	814942100 Swiper - 43 Cover Printed, OrPT

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3 – Tag Readers, Tags, and Accessories

The following table lists the available tag readers, tags, and cards (see [Table 17](#)).

Table 17: Tag Readers, Tags, and Accessories

Picture (not to scale)	Gasboy P/N and Description	Orpak P/N and Description
	PA04020001 MIFARE Reader	800910930 OrTR (MIFARE, Swipe Reader)
	PA04020101 FTC Remote Display - Keypad, MIFARE	800910926 OrTR-KB (OR, MF, ENG)
	PA04020201 FTC Remote Display - Keypad, MIFARE, Card Swiper	800910927 OrTR KB (OR, MF, SW, ENG)
	PA04020000 MIFARE Pod connected to FHO to read Tags (Obsolete)	800910980 FHO MIFARE POD
	PA04020401 PRIME MIFARE Tag Reader	800927855 PRIME MIFARE Tag Reader
	PA04020010 HID POD connected to FHO to read HID cards	800918200 HID POD
	PA04020020 HID Indala POD	800918250 HID Indala POD
		800918260 FHO HID Pod (New- 920PT)

Tag Readers, Tags, and Accessories

Picture (not to scale)	Gasboy P/N and Description	Orpak P/N and Description
	M09680B120 MIFARE Pod Power Supply 115/230 V-15 V- 1 A (Compatible with PA04020000 and PA04020401)	811307100 MIFARE Pod Power Supply 115/230V- 15V-1A
	M09680B121 MIFARE Pod Power Cable, 115 V	819302950 MIFARE Pod Power Cable, 115 V
	(Compatible with PA04020000 and PA04020401)	
	M09680B122 MIFARE Pod RS-232 Harness	819136700 MIFARE Pod RS-232 Harness
	M09679B001 MIFARE Tag Blue	800909831 MIFARE Tag Blue
	M09679B002 MIFARE Tag Red	800909832 MIFARE Tag Red
	M09679B007 MIFARE Tag Black	800909888 MIFARE Tag Black
	M09679B003 MIFARE Card – White blank	819209854 MIFARE Card – White blank
	M09679B005 MIFARE Card – Green with Sequential Number	819209883 MIFARE Card Green +N
	M09679B004 MIFARE Card – White with Sequential Number	819209882 MIFARE Card White +N
	M09679B006 MIFARE Card – Yellow with Sequential Number	819209884 MIFARE Card Yellow + N

4 – Fuel Point PLUS Station Components

The following section lists the spare parts available for the different Fuel Point PLUS station components.

4.1 Wireless Gateway

The following table lists the available Wireless Gateway Terminals (see [Table 18](#)):

Table 18: Wireless Gateway Terminals

Item No.	Picture (not to scale)	Gasboy P/N and Description	Orpak P/N and Description
1		PA04000000 Wireless Gateway for Islander PLUS, ICR PLUS	800939300 WGT Unit
2		PA04000001 Outdoor Wireless Gateway Terminal for CFN PLUS	800939351 WGT Outdoor Unit
3		PA04000002 Outdoor Wireless Gateway Terminal for Fuel Truck Controller	800939366 MWGT Outdoor - OrTC
4		PA04000011 Outdoor Wireless Gateway Terminal for CFN PLUS - Compact Version	800939351 WGT Outdoor Unit
5		PA04000012 Outdoor Wireless Gateway Terminal for Fuel Truck Controller - Compact Version	800939366 MWGT Outdoor - OrTC

4.1.1 Wireless Gateway Spare Parts

The following section lists the spare parts available for Wireless Gateway Terminals (see [Figure 11](#) and [Table 19](#)).

Figure 11: Wireless Gateway Terminal (Outdoor) Components Location

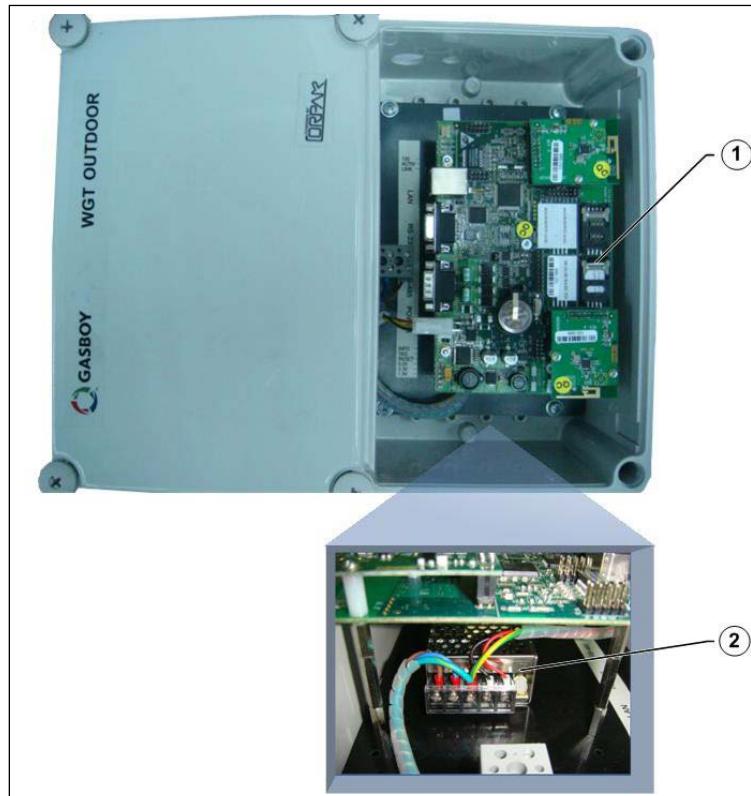


Table 19: Wireless Gateway Terminal Spare Parts

Item No.	Picture (not to scale)	Gasboy P/N and Description	Orpak P/N and Description
1		M09680B047 WGT Cards Set Tested	819239310 WGT Cards Set Tested
2		M09680B046 Power Supply 110-240 V/24 VDC, 15 W (Outdoor WGT)	811309400 Power Supply 110-240 V/24 VDC, 15 W (Outdoor WGT)

4.2 Wireless Nozzle Readers

The following table lists the obsolete/replacement parts for supported nozzle:

Table 20: Obsolete/Replacement Parts for supported Nozzles

Obsolete P/N	Supported Nozzles	Replacement P/N
M09677B002	OPW11A	M09677B035
M09677B003	DEF, ZVA SL	
M09677B006	OPW11B	
M09677B017	Husky 1A	
M09677B019	OPW11A/B	
M09677B021	DEF OPW21GU	
M09677B022	ZVA SL VR	
M09677B023	ZVA 25	
M09677B025	Husky 1A	
M09677B026	Husky X	
M09677B001	OPW7H	M09677B036
M09677B005	ZVA32	
M09677B015	OPW7H	
M09677B020	OPW7H	
M09677B012	OPW11B	M09677B037
M09677B029	OPW11A/B	
M09677B011	OPW7H	M09677B038
M09677B014	Husky 1", 1+8	
M09677B030	OPW7H	
M09677B034	OPW 1290	

The following table lists the different types of Wireless Nozzle Readers and the spare parts available for these units. A summary of units and spare parts follows in [Table 21](#).

Table 21: Wireless Nozzle Readers Spare Parts Kit Reference Table

Gasboy P/N	Orpak P/N	Spare Parts Coil Kit (Gasboy P/N)	Spare Parts Coil Kit (Orpak P/N)	Supports Nozzle Types	Dimensions
Standard Nozzle Readers					
M09677B036	800939007	M09680B074	819339006	OPW7H, OPW1290, HUSKY 1+8, HS	
M09677B035	800939006	M09680B075	819339005	OPW11A/B, OPW21GU, HUSKY 1A, X. ZVA	
M09677B035	800939005	M09680B075	819339005	OPW11A/B, OPW21GU, HUSKY 1A, X. ZVA	
M09677B035	800939022	M09680B075	819339005	OPW11A/B, OPW21GU, HUSKY 1A, X. ZVA	
M09677B035	800939044	M09680B075	819339005	OPW11A/B, OPW21GU, HUSKY 1A, X. ZVA	
M09677B007	800939140			TODO	
M09677B027	800942209			Healy VR	
M09677B044	800960208			OPW 1290	

Gasboy P/N	Orpak P/N	Spare Parts Coil Kit (Gasboy P/N)	Spare Parts Coil Kit (Orpak P/N)	Supports Nozzle Types	Dimensions
M09677B045	800960258			OPW 1290 (Back)	
M09677B046	800960209			Healy 400-900	
M09677B047	800960216			V34 Husky Vac	
M09677B048	800960217			11VF VST Vac	
M09677B049	800960260			WIGGINS	
NR-H Nozzle Readers					
M09677B004	800939110	M09680B076	819339110	Healy, VST, OPW, EMCO	70 mm
M09677B036	800939120	M09680B077	819339120	OPW7H, OPW1290, HUSKY 1+8, HS	55 mm
M09677B036	800939122	M09680B078	819339122	OPW7H, OPW1290, HUSKY 1+8, HS	55 mm
M09677B035	800939130	M09680B079	819339130	OPW11A/B, OPW21GU, HUSKY 1A, X. ZVA	30 mm
NR-T Nozzle Readers					
M09677B038	800939123	M09680B078	819339122	OPW7H, OPW1290, HUSKY 1+8, HS	
M09677B037	800939131	M09680B079	819339130	OPW11A/B, OPW21GU, HUSKY 1A, X. ZVA	
M09677B010	800939142	M09680B080	819339143	Wiggins	
M09677B040	800939161	M09680B081	819339160	POSILOCK	
M09677B038	800939172	M09680B082	819339124	OPW7H, OPW1290, HUSKY 1+8, HS	
Nozzle Reader Spare Parts H/W					
M09680B115	819039098				
M09680B114	819039099				

4.2.1 Wireless Nozzle Readers

The following table lists the available Wireless Nozzle Reader units and supported nozzle types:

Table 22: Wireless Nozzle Readers Pictures and Supported Nozzles

Item No.	Picture (not to scale)	Gasboy P/N and Description	Orpak P/N	Supports Nozzle Types
1	A photograph showing various black plastic components laid out on a white surface. These include a main rectangular unit, a smaller circular component, and several mounting brackets and fasteners.	M09677B035 nNR	800960000	OPW11A/B, OPW21GU, HUSKY 1A, X, ZVA
2	A photograph showing similar black plastic components to the first row, including a main rectangular unit and mounting parts.	M09677B037	800960100	OPW11A/B, OPW21GU, HUSKY 1A, X, ZVA
3	A photograph showing a different set of components, including a black rectangular unit and several white cylindrical parts.	M09677B036	800960050	OPW7H, OPW1290, HUSKY 1+8, HS
4	A photograph showing a set of components including a black rectangular unit and several white cylindrical parts.	M09677B038	800960150	OPW7H, OPW1290, HUSKY 1+8, HS
5	A photograph showing a set of components including a black rectangular unit and several white cylindrical parts.	M09677B041	800960060	CNG
6	A photograph showing a set of components including a black rectangular unit and several white cylindrical parts.	M09677B042	800960160	CNG + Switch

4.2.2 Wireless Nozzle Reader Spare Parts and Accessories

The following table lists the spare parts available for Wireless Nozzle Readers (see [Table 23](#)):

Table 23: Wireless Nozzle Reader Spare Parts

Item No.	Picture (not to scale)	Gasboy P/N and Description	Orpak P/N
1		M09677B016 NR Adaptor OPW 7H Nozzle	819739105
2		M09680B092 Nozzle Reader Plastic Cover (OPW 7H)	814105200
3		M09680B098 Bracket, Metal 7H, Round Bobbin	819313380
4	Obsolete	M09680B071 S/P NR, Adaptors Type H-T	819039195
5	Obsolete	M09680B115 S/P NR, Hardware Type-1, New	819039098
6	Obsolete	M09680B114 S/P NR, Hardware Type-2, New	819039099
7	Obsolete	M09680B116 S/P NR, Hardware Type-3, New	819039031
8	Obsolete	M09680B117 S/P NR, Hardware ZVA 25	819039030
9	Obsolete	M09680B118 S/P NR, Hardware Husky	819039042
10	Obsolete	M09680B074 NR, Coil Type 1	819339006
11	Obsolete	M09680B075 NR, Coil Type 2/3	819339005
12	Obsolete	M09680B076 NR-H, Coil 70 mm	819339110
13	Obsolete	M09680B077 NR-H/T, Coil 55 mm, ZVA 32	819339120
14	Obsolete	M09680B078 NR-H/T, Coil – OPW 7H	819339122
15	Obsolete	M09680B079 NR-H, Coil - Rectangular – OPW 11B	819339130
16		M09680B080 NR-H, Coil-Wiggins	819339143 (819311610+819339142)
17	Obsolete	M09680B081 NR-H, Coil-POSILOCK	819339160
18	Obsolete	M09680B082 NR-T, Coil – HUSKY 1+8	819339124

Item No.	Picture (not to scale)	Gasboy P/N and Description	Orpak P/N
19		M09680B160 nNR Small Protector	819060010
20		M09680B161 nNR Large Protector	819060100
21		N/A	819060160
22		N/A	819060041
23		N/A	819060042
24		N/A	819060051
25		TBD	819060200 ASSY FRONT DOOR-NNR
26		TBD	819060250 ASSY FRONT DOOR-NNR LARGE

Item No.	Picture (not to scale)	Gasboy P/N and Description	Orpak P/N and Description
27			819060052
28			819060061
29			819060062
30		M09680B164 Battery Pack 3.6V-NNR	812560010
31			814160100
32		M09680B137 Lithium Battery, Size2/3AA	812539200
33		M09678B021 Fuel Cube - Antenna and security chip all-in-one Z-FL0-VTR021	819205528

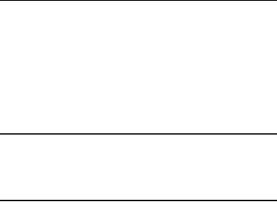
5 – Fuel Point PLUS Vehicle Units

The following section lists the spare parts available for the different Fuel Point PLUS vehicle units and technician tools.

5.1 Fuel Ring

The following table lists the available Fuel Rings and installation kits (see [Table 24](#)):

Table 24: Fuel Rings and Installation Kits

Item No.	Picture (not to scale)	Gasboy P/N and Description	Orpak P/N and Description
1		Self-Installed Rings 70 mm (2.75") M09678B001 105 mm (4.13") M09678B002 120 mm (4.72") M09678B003 130 mm (5.11") M09678B004	FuelPass HS Set Assy (Self-install) 70 mm 800905330 105 mm 800905332 120 mm 800905333 130 mm 800905334
2		Shaped Rings 75 mm (2.95") M09678B005 85 mm (3.34") M09678B006 95 mm (3.74") M09678B007	FueloPass HS Set Assy (Shaped) 75 mm 800905301 85 mm 800905302 95 mm 800905303
3		Molded Rings 55 mm (2.165") M09678B010 80 mm (3.15") M09678B011 90 mm (3.54") M09678B012 95 mm (3.74") M09678B013 110 mm (4.33") M09678B014 120 mm (4.72") M09678B015 130 mm (5.11") M09678B016 145 mm (5.71") M09678B017	FueloPass HS Set Assy (Molded) 55 mm 800905340 80 mm 800905341 90 mm 800905342 95 mm 800905343 110 mm 800905344 120 mm 800905345 130 mm 800905346 145 mm 800905347
4		Wiggins 125 mm x 183 mm M09678B018 Wiggins 96 mm x 154 mm M09678B019	FuelOPass HS assembly, Wiggins 125 x183 819312640 FuelOPass HS assembly, Wiggins 96 x154 819312641
6		Self-Installed Installation Kit- Heavy Vehicle (100 units) M09680B053	Self-Installed Installation Kit- Heavy Vehicle (100 units) 819005407
7		Ring adapter; 130-mm Fuelpass Bracket M12217A001	N/A

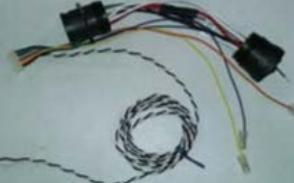
Item No.	Picture (not to scale)	Gasboy P/N and Description	Orpak P/N and Description
8		Vehicle Tank Rings Install Kit Light Duty Vehicles M09678B023	Installation Kit 819005404
9		Kit, Coil Holder Clamp (30pc) M09680B086	Clamp Coil Holder (30pc) 815806030
10		FuelOPass HS Tag M09680B020	FuelOPass HS 819205541
11		Sell-Installed Ring - Ring Only 70 mm (2.75") TBD 105 mm (4.13") TBD 120 mm (4.72") TBD 130 mm (5.11") TBD	FueloPass Self-install 70 mm 816000030 105 mm 816000032 120 mm 816000033 130 mm 816000034
12		Shaped Ring - Ring Only 75 mm (2.95") M09678B005 85 mm (3.34") TBD 95 mm (3.74") TBD	FueloPass Shaped 75 mm 816000001 85 mm 816000002 95 mm 816000003
13		Molded Ring – Ring Only 55 mm (2.165") TBD 80 mm (3.15") TBD 90 mm (3.54") TBD 95 mm (3.74") TBD 110 mm (4.33") TBD 120 mm (4.72") TBD 130 mm (5.11") TBD 145 mm (5.71") TBD	FUELOPASS Molded 55 mm 816000040 80 mm 816000041 90 mm 816000042 95 mm 816000043 110 mm 816000044 120 mm 816000045 130 mm 816000046 145 mm 816000047
14			NanoPass G, Home Base INIT 819205528
15			NanoPass G, Retail INIT 819205529

5.1.1 DataPass

The following table lists the available DataPass units (see [Table 25](#)):

Table 25: DataPass Units

Item No.	Picture (not to scale)	Gasboy P/N and Description	Orpak P/N and Description
1	Not in Use	Vehicle module, OBD Canbus PLUS M09693B005	uDataPass CAN (PLUS) 800907430
2	Not in Use	Vehicle module, OBD K-Line PLUS M09693B006	uDataPass K-Line (PLUS) 800907431
3		uDATAPASS II PLUS M09693B009	uDATAPASS II PLUS 800907451
4		DataPass (OBD + Pulses) – wired M09693B004	DataPass (OBD+ Pulses) 800907300
5		Heavy vehicles and vehicles without bus that uses pulses (J1708/1587+FMS + Pulses) M09693B001	DataPass (J1708/FMS + Pulses) 800907310
6		DataPass Harness M09680B051	DataPass Harness 819107670
7			Pulse Divider 800911300
8		M09680B139 J1708 6 PIN Harness	

Item No.	Picture (not to scale)	Gasboy P/N and Description	Orpak P/N and Description
9		M09680B157 J1708/J1939 9-PIN Harness with Selectable Protocol Switch, 2016 and newer	
10		M12200A005 Peterbilt & Kenworth J1939 (LowSpeed) protocol	
11		M12200A007 Peterbilt & Kenworth J1939 (High Speed) protocol	
12		M12200A001 J1708 Harness 9-PIN	
13		M12200A002 Freightliner and International J1939 (Low Speed) protocol	

5.1.2 Technician Tools

The following table lists the Wireless Programmer Tool (which programs Wireless Nozzle Readers, Fuel Rings and DataPass Units) and the spare parts available for this tool (see [Table 26](#)):

Table 26: Technician Tools and Spare Parts

Item No.	Picture (not to scale)	Gasboy P/N and Description	Orpak P/N and Description
1		Wireless Vehicle Programmer PA04010000 Wireless Vehicle Programmer for EKOS customers (Programmed) PA04010000P	Wireless Vehicle Programmer 800920910
2		Harness ANT Loop Wireless Programmer M09680B049	Harness ANT Loop Wireless Programmer 819120900
3		Harness Ant Loop w Programmer 110 mm M09680B091	Harness Ant w Programmer 110 mm 819120915
4		Harness D9P/D9S RS232 W.L.PROG M09680B050	Harness D9P/D9S RS-232 W.L.PROG 819120935
5		Wireless Vehicle Programmer – Battery M09680B067	Wireless Vehicle Programmer – Battery 812520900

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6 – Wetstock Management

For additional and complementary information regarding Gasboy's PLUS solution, refer to the following manuals (see [Table 27](#)):

Table 27: Reference Manuals

Name	Gasboy P/N	Orpak P/N	Rev.
Islander PRIME Installation Manual	MDE-5411	817450050	A
Islander PLUS Installation Manual	MDE-4811	817438052	D3
Islander PLUS Quotation Guide	MDE-4812	817438053	B
CFN PLUS Installation Manual	MDE-4813	817438033	B
Fuel Truck Controller Installation Manual	MDE-4814	817438029	C1
OrPT Manual For Home Base	MDE-4819	817422501	A3
8 Port CommVerter	MDE-4820	817423401	F7
FHO and FMS Installation and Setup Manual	MDE-4821	817423707	F3
SiteOmat Station Controller Setup and Maintenance Manual	MDE-4817	817427357	G3
SiteOmat Station Controller User's Manual	MDE-4818	817423752	F1
Fuel Point PLUS Station Installation and Configuration Manual	MDE-4851	817439321	B
Fuel Point PLUS Vehicle Installation and Configuration Manual	MDE-4868	817407301	C4
Illustrated Spare Parts Manual	PT-1963	817438000	A1

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Numerics

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800905330	5-43	800960050	4-39	816000002	5-44
800905332	5-43	800960060	4-39	816000003	5-44
800905333	5-43	800960100	4-39	816000030	5-44
800905334	5-43	800960150	4-39	816000032	5-44
800905340	5-43	800960160	4-39	816000033	5-44
800905341	5-43	800960208	4-37	816000034	5-44
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