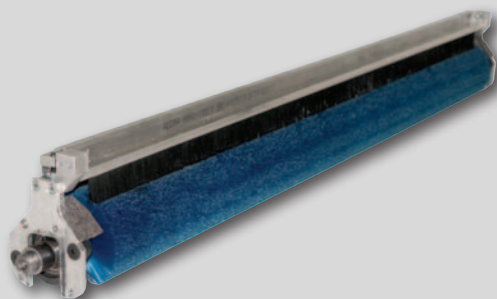


upgrades



Conditioner Transfer System Upgrade (1 piece)
158-8430 - Compatible with: PXS-C | KK | STD | ELT | KP-A | ION-A

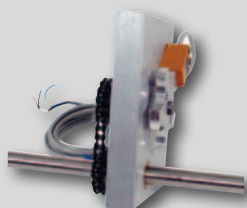
Upgrades for Crossfire

Complete Upgrade - Includes 8 Wicks & Cam Roller, and Large Conditioner Supply Tank
158-8241 (115V) | 158-8241E (230V)

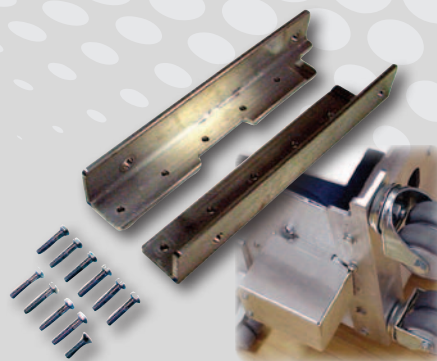
Conditioner Tank Upgrade
158-8215 (115V) | 158-8215E (230V)

8 Pad Wick & Cam Kit - 158-8214

Lane Distance Sensor (LDS)
Upgrade w/Proximity Sensor



Handle Reinforcement Kit
154-8284



Transport Caster Upgrade
154-8281

Transport Caster Upgrade

This is a must-have item for Phoenix and Phoenix-S Model A and B customers. This upgrade will widen the wheelbase of your existing machine and make it much more stable in the transport and storage position. This upgrade takes approximately 30 minutes to install with very few tools required.

Push Button Replacements

Handle Wire with Connector - 153-8424
Handle Wire without Connector - 153-8424A
Push Button with Soldered Leads - 153-8424B
Handle Wire with Kill Plugs - 153-8424C
Handle Wire for ION/K+ - 154-8824



Spray Pressure Regulator Upgrade - 154-8268

Proximity Upgrades

Tach (<i>Internal</i>)	PXS-A,B	154-8289
Tach (<i>External</i>)	PXS-A,B, STD, KK	154-8290
LDS (<i>Right</i>)	PXS-A,B	154-8291
LDS (<i>Center</i>)	PXS-A,B	154-8292
LDS (<i>Center</i>)	KK STD	154-8672
Head Timing	STD PXS-A,B	154-8673

Replacement Felt

Felt (1/8" x 3") - 154-02285
Sold by the inch.

KOSI PRO Software - Version 7.0!

For All Sanction Technology Lane Machines! Quick and Easy to Use.

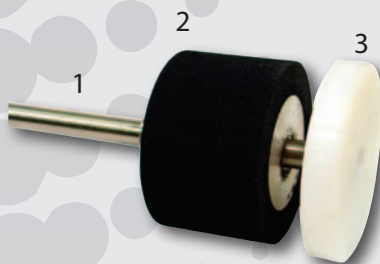
KOSI PRO & CABLE (v7.x) - 154-8771
KOSI PRO, CONVERTER & CABLE (v7.x) - 154-8771A
KOSI PRO UPDATE (v7.x) - 154-8771U
KOSI PRO UPGRADE (5.x/6.x to v7.x) - 154-8771C

Data Cables

KOSI USB to Serial Port Cable - 154-8727
KOSI Serial to Serial Port Cable - 154-8724
RS232 Converter Module for KOSI Cable
(for Omron C200HG & C200HS) - 154-1614
USB to Serial Port Converter & KOSI Cable
(for 64 bit OS) - 154-8721B

miscellaneous

LDS Shaft Assembly



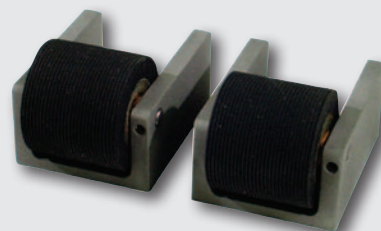
1. Shaft - See Operators Manual
2. Wheel - 153-7002AA
3. Kick Up Wheel - 153-7401

Transport Wheels



- Lane to Lane Caster 2"
153-0812 (*Heavy Duty*)
Transport Caster
3" Dual Wheel - 153-0001
2" Single Wheel - 153-0002

Momentary Wheel Assembly



- Wheel - 153-7005R
Shaft - 153-6006
Housing - 153-6029

Guide Rollers



- Guide Roller - 153-8410
Not used on LW | LCM | ION-D | KW-D

- Guide Roller - 153-8310 - LW | LCM
Guide Roller Shoulder Bolt - 153-2407
Guide Roller Mounting Bar - 153-6417
Guide Roller Spring - 153-2401
SHCS 1/4-20 x 2-3/4 - 153-2211



Tune Up Kits

- PX-B (115V) - 153-8888
PXS-A,B (115V) - 154-8288
KP | EP (115V) - 154-8686
KP | EP (230V) - 154-8687
STD (115V) - 154-8688
KK | ELT | PX-C | PXS-C (115V) - 154-8888
ION - 158-8428
KW - 158-8628

Spare Parts Kit



Call for Availability



- Walker Whisker
Spring - 153-2946
Black Vinyl Cap -
153-2941

Lid Components

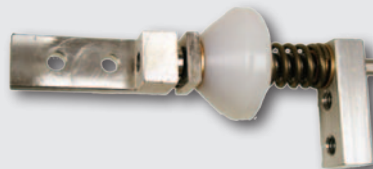


- Push Latch with Key - 154-0881
Flush Mount Lid Latch (*without lock*) - 153-2232A
Flush Mount Lid Latch (*with lock*) - 153-2232L
Middle Slide Latch - 154-0005
Straight Quarter Turn Lid Latch (*with slot*) - 154-0804
Flange Quarter Turn Lid Latch (*with slot*) - 154-0805
Bent Catch Quarter Turn Lid Latch (*with slot*) - 154-0819

Rubber Bumper - 154-0006A
Foam (*sold by inch*) - 153-0036

New Adjustable Guide Rollers

Introduced on the Model D ION and Model D Walker



- Complete Front Assembly - 158-8643
Front Wheel Only - 158-8637
Complete Rear Assembly - 158-8642
Rear Wheel Only - 158-8636

fittings



Elbow
1/4 Tube x 1/4 Tube - 154-0243



Elbow
3/8 x 3/8 - 154-0256



Elbows
3/8 NPT x 1/4 Tube - 154-0412
3/8 NPT x 3/8 Tube - 154-0803



Elbows
3/8 Tube x 1/4 NPT - 154-0225
1/4 Tube x 1/4 NPT - 154-0223



Elbow
1/4 Stem x 1/4 Hose Barb
154-0226



Elbow
1/4 Stem to 5/16 Hose Barb
154-0227



Elbow
3/8 Stem to 5/16 Hose Barb
154-0239



Elbows
3/8 Stem x 3/8 Tube - 154-0258
3/8 Stem x 1/4 Tube - 158-1214



Elbow
1/4 Stem x 1/4 Tube - 154-0222



Elbow
1/8 NPT x 3/16 Tube - 154-0613



Male Swivel Elbow
1/4 Tube x 1/4 NPT - 153-0818



Compression Fitting
1/4 x 3/8 MPT - 153-0212



Reducing Union
1/4 x 3/16 - 154-0248



Bulkhead Union
3/8 x 3/8 - 154-0285



Union
1/4 x 1/4 154-0241



Union Tee
1/4 Tube - 153-0815



Reducing Union
3/8 to 1/4 - 154-0244



Male Connector
1/4 Tube x 1/8 NPT - 154-0224



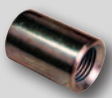
Female Connector
1/4 Tube x 1/8 FPT - 154-0257



Union Tee
3/8 Tube - 154-0815



Male Connectors
1/2 Tube x 1/2 NPT (Drilled)
154-0232D
1/4 x 1/4 MPT - 153-0209



In-line Coupler
1/8 - 154-0230



Stem Adapter
1/4 NPT x 1/4 Stem - 154-0243S



Male Luer
1/8" Hose Barb - 154-0863



Tank Plug
1/4" - 154-0245
3/8" - 153-1054
1/2" - 154-0231



O-Rings for Fittings
1/4" - 154-0287A
3/8" - 154-0287B
1/2" - 154-0287C



Oil Fill Stem - PX8
3/8 x 3/8 - 153-1055

Tubing Stock Chart

All Tubing Sold By The Inch
Cleaning

1/4" - 153-0208S

#24 Norprene® - 154-0861

Conditioning

3/16" - 154-0202B

1/4" - 154-0202A

3/8" - 154-0202

3/8" Viton® - 154-0201A

HEX HEAD CAP SCREWS

		
1/4	5/16	3/8
7/8" 153-2052	1" 153-2061	1" 153-2066
1" 153-2053	1/4" 153-2062	1 1/4" 153-2067
1 1/4" 153-2054		1 1/2" 153-5068
1 1/2" 153-2055		2" 153-2069

MACHINE SCREWS PHILLIPS

		
# 6	# 8	# 10
1/2" 153-2081	5/8" 153-2086	3/4" 153-2091
7/8" 153-2083	3/8" 153-2086A	1" 153-2092
1" 153-2084	3/4" 153-2087	
1 1/4" 153-2085	1" 153-2089	
	1 1/2" 153-2090	

HEX NUTS

		STANDARD	NYLOK	JAM
	#6		153-2018	
	#8		153-2019	
	#10	153-2022	153-2208	153-2524
	1/4	153-2023	153-2020	153-2304
	5/16	153-2024	153-2735	5/16-18 153-2027A 5/16-24 153-2214
	3/8	153-2025	153-2021	153-2027
	1/2	153-2026		

WASHERS

		FLAT	LOCK
	#6	153-2001	
	#8	153-2002	
	#10	153-2003	153-2013
	1/4	153-2004	153-2014
	5/16	153-2005	153-2015
	3/8	153-2006	153-2016

MOLEX PLUGS

CONNECTOR	MALE	FEMALE
2 PIN	153-1041	153-1042
3 PIN	153-1044	157-1043
5 PIN	158-1206	158-1207
6 PIN	154-1231	154-1232
9 PIN	153-1039A	153-1040
12 PIN	153-1602A	153-1603
15 PIN	154-1807	154-1808
PINS	153-1045	153-1046
Pin Removal Tool		153-4002

WIRE CLAMPS

1/8	153-1049D
1/4	153-1049A
3/8	153-1049E
1/2	153-1049B
3/4	153-1049C



motors & speed controls

	PXS MODEL A/B	PXS MODEL C STANDARD AC	KUSTODIAN & KUSTODIAN PLUS	KUSTODIAN ION MODEL A/B	KUSTODIAN WALKER MODEL A/B	STANDARD SE / ELITE / ELITE PLUS
Blower Motor (115VAC)	153-8801	N/A	N/A	N/A	N/A	N/A
Blower Motor (230VAC)	153-8802	N/A	N/A	N/A	N/A	N/A
Buffer Motor (115VAC)	153-8016A	154-8616A	154-8616A	N/A	N/A	154-8616B
Buffer Motor (230VAC)	153-8616	154-8616E	154-8616E	N/A	N/A	154-8616E
Buffer Motor (24VDC)	N/A	N/A	N/A	158-8414	158-8414	N/A
Buffer Motor Brushes				158-1406B	158-1406B	
Buffer Motor Contactor (115VAC)	153-1004	153-1004A	153-1004A	N/A	N/A	153-1004A
Buffer Motor Contactor (230VAC)	153-1604	153-1604A	153-1604A	N/A	N/A	153-1604A
Circuit Board w/Speed Relays (115VAC)	154-8210	154-8312	154-8810	N/A	N/A	N/A
Circuit Board w/Speed Relays (230VAC)	154-8210	154-8644	154-8811	N/A	N/A	N/A
Circuit Board w/Speed Relays (24VDC)	N/A	N/A	N/A	158-8409	158-8409	N/A
Conditioner Pump Motor (115VAC)	154-8234	154-8604	154-8604	N/A	N/A	154-8604
Conditioner Pump Motor (230VAC)	154-8234	154-8604E	154-8604E	N/A	N/A	154-8604E
Conditioner Pump Motor (24VDC)	N/A	N/A	N/A	158-8401	158-8401	N/A
Conditioner Pump Motor Brushes (24VDC)	N/A	N/A	N/A	158-1422B	158-1422B	N/A
Drive Motor (90VDC)	153-8065	153-8065 - STD 154-8365 - PXS-C	154-8865	N/A	N/A	153-8065 - STD 154-8365 - ELT EP
Drive Motor Brushes (90VDC Pair)	153-1057H	153-8065	154-1809B	N/A	N/A	154-1809B
Drive Motor (24VDC)	N/A	N/A	N/A	158-8406	158-8602	N/A
Drive Motor Brushes (24VDC Pair)	N/A	N/A	N/A	158-1405B	158-1405B	N/A
Duster Motor (115VAC)	153-8403	153-8403	153-8403	N/A	N/A	153-8403
Duster Motor (230VAC)	153-8803H	153-8803H	153-8803H	N/A	N/A	153-8803H
Duster Motor (24VDC)	N/A	N/A	N/A	158-8403	158-8403	N/A
Head Drive Motor (115VAC)	154-8232	154-8232	154-8232	N/A	N/A	154-8232
Head Drive Motor (230VAC)	154-8232	154-8632	154-8632	N/A	N/A	154-8632
Head Drive Motor (24VDC)	N/A	N/A	N/A	158-8405	158-8405	N/A
Isolator Analog Card 115VAC Drive Assembly	N/A	N/A	N/A	N/A	N/A	154-8633
Isolator Analog Card 230VAC Drive Assembly	N/A	N/A	N/A	N/A	N/A	154-8634
Isolator Analog Card 115VAC Buffer Assembly	N/A	N/A	N/A	N/A	N/A	154-8635
Isolator Analog Card 230VAC Buffer Assembly	N/A	N/A	N/A	N/A	N/A	154-8636
Isolator Analog Card Only	N/A	N/A	N/A	N/A	N/A	154-1413
Speed Control Assembly (24VDC-Drive)	N/A	N/A	N/A	158-8412	158-8412	N/A
Speed Control Assembly (24VDC-Cleaner Pump)	N/A	N/A	154-8848	158-8415	158-8415	N/A
Speed Control Board Only (115VAC)	153-1012	153-1012	153-1012	N/A	N/A	153-1012
Speed Control Board Only (230VAC)	153-1812	153-1812	153-1812	N/A	N/A	153-1812
Speed Control Board Only (24VDC)	N/A	N/A	N/A	158-1410	158-1410	N/A
Squeegee & Brush Lift Motor (115VAC)	153-8207	153-8207	153-8207	N/A	N/A	153-8207
Squeegee & Brush Lift Motor (230VAC)	153-8807H	153-8807H	153-8807H	N/A	N/A	153-8807H
Squeegee & Brush Lift Motor (24VDC)	N/A	N/A	N/A	158-8402	158-8402	N/A
Transfer Roller Motor (115VAC)	154-8206	154-8206	154-8206	N/A	N/A	154-8206*
Transfer Roller Motor (230VAC)	154-8206A	154-8206A	154-8206A	N/A	N/A	154-8206A*
Vacuum Motor (115VAC)	153-8205	154-8805	154-8805	N/A	N/A	154-8805
Vacuum Motor Brushes (115VAC Pair)	153-0204B	153-0204B	153-0204B	N/A	N/A	153-0204B
Vacuum Motor (230VAC)	153-8805	154-8805E	154-8805E	N/A	N/A	154-8805E
Vacuum Motor Brushes (230VAC Pair)	153-0204C	153-0204C	153-0204C	N/A	N/A	153-0204C
Vacuum Motor (24VDC)	N/A	N/A	N/A	158-8407	158-8407	N/A
Vacuum Brushes (24VDC)	N/A	N/A	N/A	158-1421B	158-1421B	N/A

* Not used on Kustodian PLUS or Elite PLUS

COMPONENTS	PX MODEL A/B	PX MODEL C	CROSSFIRE
Blower Motor (115VAC)	153-8801	N/A	N/A
Blower Motor (230VAC)	153-8802	N/A	N/A
Buffer Motor (115VAC)	153-8016A	154-8616A	154-8616A
Buffer Motor (230VAC)	153-8616	154-8616E	154-8616E
Buffer Motor Contactor (115VAC)	153-1004	153-1004A	153-1004A
Buffer Motor Contactor (230VAC)	153-1604	153-1604A	153-1604A
Circuit Board w/Speed Relays (115VAC)	N/A	154-8330	N/A
Circuit Board w/Speed Relays (230VAC)	N/A	154-8331	N/A
Drive Motor (90VDC)	153-8065	154-8865	154-8865
Drive Motor Brushes (90VDC Pair)	153-1057H	154-1809B	154-1809B
Duster Motor (115VAC)	153-8403	153-8403	153-8403
Duster Motor (230VAC)	153-8803H	153-8803H	153-8803
Speed Control Assembly (115VAC 3-Speed)	153-8822	N/A	N/A
Speed Control Assembly (230VAC 3-Speed)	153-8823	N/A	N/A
Speed Control Assembly (115VAC 4 Speed)	153-8842	N/A	N/A
Speed Control Assembly (230VAC 4 Speed)	153-8843	N/A	N/A
Speed Control Assembly (115/230VAC 3-Speed)	N/A	N/A	158-8211
Speed Control Board Only (115VAC)	153-1012	153-1012	158-1212
Speed Control Board Only (230VAC)	153-1812	153-1812	158-1212
Squeegee & Brush Lift Motor (115VAC)	153-8207	153-8207	153-8207
Squeegee & Brush Lift Motor (230VAC)	153-8807H	153-8807H	153-8807
Transfer Roller Motor (115VAC)	153-8828	154-8332	153-8828
Transfer Roller Motor (230VAC)	153-8829	154-8332E	153-8829
Vacuum Motor (115VAC)	153-8205	154-8805	158-8208
Vacuum Motor Brushes (115VAC Pair)	153-0204B	153-0204B	153-0204B
Vacuum Motor (230VAC)	153-8805	154-8805E	158-8208E
Vacuum Motor Brushes (230VAC Pair)	153-0204C	153-0204C	153-0204C

For Dayton® Drive Motor - 153-8065

Rear Seal - 153-1057R
Gasket - 153-1057F
Front Seal - 153-1057S

For Baldor® Drive Motor - 154-8865

Drive End Seal - 154-1809D
Housing End Seal - 154-1809E



Now one person can quickly and easily raise and lower their lane machine safely.

Physical Properties:

- * Color - Black (Custom colors are available by calling Kegel)
- * Dimensions: Width: 60" | Height: 8" | Depth: 8"
- * Lifting Capacity: Any Lane Machine (when mounted properly)
- * Packaging: Assembled and ready to mount

Part Number: 154-8510

Must be installed by a qualified contractor.

lane machine assist