

ITEM: 1
DESCRIPTION: HOUSING
MANUFACTURER: TE
PART NUMBER: 926539-5

ITEM: 2
DESCRIPTION: TERMINAL
MANUFACTURER: AMP
PART NUMBER: 42281-2 (18-14 GA WITH DIMPLE)

ITEM: 3
DESCRIPTION: FUSE ASSY
MANUFACTURER: DIGIKEY
PART NUMBER : 15600-06-20

ITEM: 4
DESCRIPTION: TERMINAL
MANUFACTURER: AMP
PART NUMBER: 60249-2 (16-12 GA WITH DIMPLE)

ITEM: 5
DESCRIPTION : RING TERMINAL 1/4"
MANUFACTURER : MOLEX
PART NUMBER : 19193-0248

ITEM: 6
DESCRIPTION: TERMINAL
MANUFACTURER: AMP
PART NUMBER: 42100-2 (18-14 GA)

ITEM: 7
DESCRIPTION: TERMINAL
MANUFACTURER: AMP
PART NUMBER: 160914-2 (11-10 GA WITH DIMPLE)

ITEM : 8
DESCRIPTION : INLINE MIDI FUSE 70A
MANUFACTURER : LITTELFUSE
PART NUMBER : 0498070. OR EQ
REF : McMaster Carr 9180K999 70A (QTY 1)

ITEM : 9
DESCRIPTION : INLINE MIDI FUSE HOLDER
MANUFACTURER : LITTELFUSE
PART NUMBER : 04980900ZXT
REF : McMaster Carr 9180K6 40-80A (QTY 1)

ITEM : 10
DESCRIPTION : WIRE JUMPER FOR BATTERY

ITEM: 11
DESCRIPTION : RING TERMINAL 5/16"
MANUFACTURER : MOLEX

PART NUMBER : 19193-0251

ITEM: 12
DESCRIPTION: TERMINAL
MANUFACTURER: TE
PART NUMBER: 6-160432-0 (20-14 GA WITH DIMPLE)

ITEM: 13
DESCRIPTION: TERMINAL
MANUFACTURER: TE
PART NUMBER: 62428-2 (12-10 GA WITH DIMPLE)

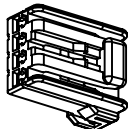
NOTES:

- HEAT SHRINK TUBING MUST OVERLAP WIRE INSULATION BY AT LEAST 0.75" ON SINGLE WIRE
- HEAT SHRINK TUBING MUST BE HEATED SO THAT ADHESIVE FLOWS FROM END OF TUBING TO SURROUND WIRES AND SEAL END OF TUBING
- LABEL ALL ENDS PER DESCRIPTION ON PRINT

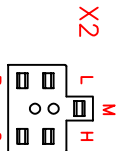
SECURE CONVOLUTED (TO MEET FMVSS-302) TUBE ENDS WITH BLACK ELECTRICAL TAPE
WRAP BLACK ELECTRICAL TAPE AROUND CONVOLUTED TUBING APPROXIMATELY EVERY 600mm
SECURE / WRAP ALL LOOM JUNCTIONS

ALL HARNESES MUST BE CHECKED FOR POLARITY AND CONTINUITY BY MANUFACTURER
UNLESS OTHERWISE SPECIFIED. ALL WIRES SAE J1128 TYPE 1XL
WIRE PULL TEST TO MEET UL486A

X1 : CONNECTOR
HOUSING
MANUFACTURER : TE
PART NUMBER : 174922-1
TERMINAL : 282375-1 (18-16 GA)



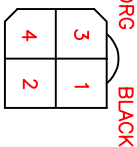
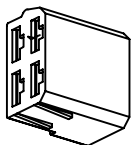
X2 : CONNECTOR
HOUSING
MANUFACTURER : UNKNOWN
PART NUMBER : 754C-3 (WEBASTO 62064708A)
TERMINAL
MANUFACTURER : AMP
PART NUMBER : 42100-2 (18-14 GA, QTY 4)
42281-2 (18-14 GA W/ DIMPLE, QTY 1)



WIRE INSERT SIDE

X3 & X4 : CONNECTOR
MANUFACTURER : AMP
HOUSING : 180900-0 (WEBASTO : 178748)
TERMINAL : FASTON 250
PART NUMBER : 60253-2 (16-12 GA) AND 180351-2 (11-9 GA)
REF. LEAR 25921.123.211 (WEBASTO 176680)

(B2)



WIRE INSERT SIDE

X5, X6, X7 & X8
DESCRIPTION: HOUSING
MANUFACTURER: TE
PART NUMBER: 926539-5
DESCRIPTION: TERMINAL
MANUFACTURER: AMP
PART NUMBER: 42281-2 (18-14 GA WITH DIMPLE)

X9 & X10 : CONNECTOR
MANUFACTURER : DELPHI/PACKARD
CONNECTOR ASSY 2F : 15300027
TERMINAL : 12129493
SEAL : 12015284 REEL OR 15324982 LOOSE
TPA : 15300014

X11 : CONNECTOR
MANUFACTURER : TE
CONNECTOR JPT : 282764-1
TERMINAL : 927770-1 OR 929939-1
SEAL : 828904-1

X12 : CONNECTOR
MANUFACTURER : DELPHI/PACKARD
CONNECTOR ASSY 1M (WEATHER-PACK): 12010996
TERMINAL : 12124582
SEAL : 12041352 REEL OR 15324984 LOOSE

0.75" MIN



WIRE SOLDER WELDED AT THIS POINT
DETAIL A: SPLICE EXAMPLE



DETAIL B: SHRINK TUBE EXAMPLE

K1, K2, K3, K4, K5, K6, K7, K8, K9, K10 & K11 : RELAY HOLDER W/ RELAY
RELAY HOLDER
MANUFACTURER: HELIX
PART NUMBER: H1981 (WEBASTO 255572) OR EQ
ALTERNATIVE: CUSTOM CONNECTOR BR05-FW

(B2)

TERMINAL
85 : (18 GA) P/N SEE ITEM 6
86 : (18 GA) P/N SEE ITEM 6
30 : (18-14 GA) P/N SEE ITEM 2.
(12 GA) P/N SEE ITEM 4
(10 GA) P/N SEE ITEM 7
87 : (18-14 GA) P/N SEE ITEM 6.
(12 GA) P/N SEE ITEM 4
(10 GA) P/N SEE ITEM 7
87G: (18-14 GA) P/N SEE ITEM 6

(B2)

RELAY : 12V W/DIODE NO/NC 40/30A
MANUFACTURER : ZETTLER
PART NUMBER: AZ9731-1C-12DC2D2 (WEBASTO 5010164B)
ALTERNATIVE: PICKER PC792A-1C-C1-12S-DN-X

(B2)

F1 : FUSE
DESCRIPTION : ATO 15 AMP
F2 : FUSE
DESCRIPTION : ATO 15 AMP

F3 : FUSE
DESCRIPTION : ATO 5 AMP

F4 : FUSE
DESCRIPTION : ATO 5 AMP

F5 : FUSE
DESCRIPTION : ATO 20 AMP

F6 : FUSE
DESCRIPTION : ATO 20 AMP

(B2)

(B2)

BAG #1 OF PARTS
1. ITEM 8 QTY (1)
2. ITEM 9 QTY (1)
3. ITEM 10 QTY (1)

BAG #2 OF PARTS
1. CONNECTOR ASSY 2F : 15300027 QTY (2)
2. CONNECTOR JPT : 282764-1 QTY (1)
3. TPA : 15300014 QTY (2)

NOTE: BAG ATTACHED TO
POWER LEAD ON MAIN HARNESS

NOTE: BAG ATTACHED TO
LEAD X11 ON MAIN HARNESS

LENGTH TOLERANCES		
OVER	TO	±
---	50	5
50	305	10
305	1020	16
1020	1525	20
1525	ABOVE	40

B2	552343	ADDED 3 RELAYS FOR SECOND BLOWER, CHANGED WIRE GAUGE FOR HI SPEED BLOWERS AND GROUND, ADDED FUSE F6 20A, CHANGED FUSE F5 TO 20A, CHANGED ITEM 7, X3&X4, REMOVED EQUIVALENT TO ALL ITEMS / RELAY ON PAGE 2, LOOM SIZE	08SEP21	SS	KC	BD
A1	452241	RELEASED FOR PRODUCTION	10AUG16	SS	SS	SS
REV	PCN #	DESCRIPTION	DATE	DR	CK	APP
TITLE						
WIRE HARNESS MOSCOW SPRINTER FC RM EXR						
PAGE 2 OF 2						
DATE			NAME		SCALE	
10AUG16			S. SMALAGIC		NTS	
CHK			10AUG16		S. SMALAGIC	
APPR			10AUG16		S. SMALAGIC	
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THIRD ANGLE PROJECTION			ALL DIMENSIONS ARE IN mm		5012340B	