

martec



international

Electrical



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7.1 Male Connectors

PHILIPS

pro-par

**I
M PARTS**

TRAMEC

MIDLAND

7-Way Plug



Metal Housing

- | | |
|---------------|----------|
| 1. FRU299876 | Pro-Par |
| 2. MIDBE23783 | Midland |
| 3. PHI15-710 | Phillips |

7-Way Plug with Spring Guard



Metal Housing

- | | |
|----------------|----------|
| 1. PAR670-71SG | Pro-Par |
| 2. MTR23784 | IM Parts |
| 3. MIDBE23784 | Midland |
| 4. PHI15-730 | Phillips |

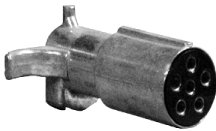
7-Way Plug with Spring Guard



Metal Housing

- | | |
|--------------|---------|
| 1. FRU334236 | Pro-Par |
|--------------|---------|

6-Way Plug



Metal Housing

- | | |
|---------------|---------|
| 1. FRU323617 | Pro-Par |
| 2. TRA38196 | Tramec |
| 3. MIDBE23603 | Midland |

6-Way Plug with Spring Guard



Metal Housing

- | | |
|---------------|----------|
| 1. FRU310760 | Pro-Par |
| 2. MIDBE23604 | Midland |
| 3. PHI15-630 | Phillips |

4-Way Plug with Spring Guard



Metal Housing

- | | |
|---------------|---------|
| 1. MIDBE23404 | Midland |
|---------------|---------|

4-Way Plug



Metal Housing

- | | |
|--------------|---------|
| 1. FRU258188 | Pro-Par |
|--------------|---------|

Single Pin Plug with Spring Guard



Metal Housing

- | | |
|---------------|----------|
| 1. 15-335 | Phillips |
| 2. MIDBE23102 | Midland |

7.2 Female Receptacles
PHILIPS
TRAMEC

MIDLAND
**I
M PARTS**
**7-Way Receptacle
Circuit Breaker Split Pin**


Metal Housing Screw-Type

- | | |
|---------------|--------|
| 1. MIDBE24020 | 20 amp |
| 2. MIDBE24030 | 30 amp |
| 3. MIDBE24040 | 40 amp |

**7-Way Receptacle
20 amp Circuit Breaker Split Pin**


Metal Housing Screw-Type

- | | |
|---------------|--------|
| 1. MIDBE24120 | 20 amp |
|---------------|--------|

**Sta-Dry™ 7-Way Receptacle
Circuit Breaker Split Pin**

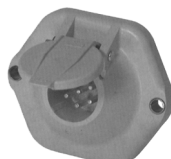

Metal Housing Screw-Type

- | | |
|--------------|--------|
| 1. PHI15-762 | 20 amp |
| 2. PHI15-763 | 30 amp |

**Sta-Dry™ 7-Way Receptacle
20 amp Circuit Breaker Split Pin**


Nylon Housing

- | | |
|--------------|--------|
| 1. PHI16-762 | 20 amp |
|--------------|--------|

**7-Way Receptacle
20 amp Circuit Breaker Split Pin**


Nylon Housin Screw-Type

- | | |
|--------------|------------|
| 1. 20TL50865 | Truck-Lite |
| 2. TRA38213 | Tramec |

**7-Way Receptacle
20 amp Circuit Breaker**


Metal Housing Screw-Type

- | | |
|-------------------|-----------|
| 1. FRULCC6828-1 | Solid pin |
| 2. FRULCC6828-CR1 | Solid pin |

**7-Way Receptacle
15 amp Circuit Breaker Split Pin**


Metal Housing Screw-Type

- | | |
|---------------|---------|
| 1. MIDBE24015 | Midland |
|---------------|---------|

**7-Way Receptacle
15 amp Circuit Breaker Split Pin**


Nylon Housing Screw-Type

- | | |
|--------------|--------|
| 1. TRA38341G | Tramec |
|--------------|--------|

**7-Way Receptacle
No Circuit Breaker Split Pin**


Composite

- | | |
|---------------|--------------|
| 1. MIDBE23705 | Plug-in Type |
| 2. MIDBE23707 | Screw-Type |

**7-Way Receptacle
No Circuit Breaker Split Pin**


Metal Housing Screw-Type

- | | |
|---------------|---------|
| 1. MIDBE24000 | Midland |
| 2. MIDBE24001 | Midland |

**7-Way Receptacle
No Circuit Breaker Solid Pin**


Metal Housing Screw-Type

- | | |
|-----------------|---------|
| 1. FRULCF1568-2 | Pro-Par |
|-----------------|---------|

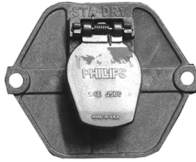
**7-Way Receptacle
No Circuit Breaker**


Metal Housing Screw-Type

- | | |
|-----------------|-----------|
| 1. FRULXA0255-1 | Split pin |
| 2. FRULXA0255-2 | Solid pin |

7.2 Female Receptacles

Sta-Dry™ 7-Way Receptacle
No Circuit Breaker



Metal Housing Screw-Type

1. PHI15-760 Phillips

7-Way Receptacle
No Circuit Breaker Split Pin



Metal Housing Terminal-Type

1. 20GR87240 W/terminal kit
2. 20GR87220 Receptacle only

7-Way Receptacle
No Circuit Breaker Split Pin



Metal Housing Terminal-Type

1. 20GR87250 Grote

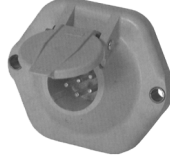
7-Way Receptacle
No Circuit Breaker Split Pin



Metal Housing Terminal-Type

1. PHI15-720 Phillips
2. MTR23782 IM Parts

7-Way Receptacle Surface Mount
No Circuit Breaker Split Pin



Nylon Housing Terminal-Type

1. TRA38298 Tramec
2. 20TL50861 Truck-Lite

7-Way Receptacle Flush Mount
No Circuit Breaker Split Pin



Nylon Housing Terminal-Type

1. 20TL50869 Truck-Lite

Sta-Dry™ 7-Way Receptacle
No Circuit Breaker Split Pin



Nylon Housing

1. PHI16-720 Wire Insertion
2. PHI16-722 Ring Termination
3. PHI16-724 Bullet Termination
4. PHI16-726 Bullet Termination
5. w/locking clip

ISO 3731 Sta-Dry™ 7-Way Receptacle
No Circuit Breaker Split Pin



Nylon Housing

1. PHI16-726 Bullet Termination
2. w/locking clip

6 & 7-Way Receptacle
25 amp Circuit Breaker Split Pin



Metal Housing Screw-Type

1. MIDBE24220 Midland

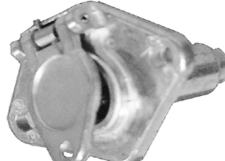
6-Way Receptacle
No Circuit Breaker Split Pin



Metal Housing Terminal-Type

1. FRU318730 Pro-Par
2. MIDBE23602 Midland
3. PHI15-600 Philips

4-Way Receptacle
No Circuit Breaker Split Pin



Metal-Housing Terminal-Type

1. PHI15-400 Phillips
2. FRU258189 Pro-Par
3. COL1257 Cole Herse

Single Pole Receptacle



Metal-Housing Screw-Type

1. MIDBE23101 Midland
2. PHI15-320 Phillips

7-Way Receptacle
9-1/2" Tail Solid Pin



Nylon Housing

1. FRULNE1163-1 Pro-Par

7.3 Receptacle Accessories

Plug Scrubber—Male & Female 	20 amp Circuit Breaker 	30 amp Circuit Breaker 
1. TOLPLUGSCRUB Pro-Par	1. FRU957136 Pro-Par 2. MIDBE22420 Midland	1. MIDBE22330 Midland
7-Way Plug Insert 	Dust Boot 	Adapter Body 
1. MIDBE20271 Midland 2. PHI15-711 Phillips	1. 20TL50890 Truck-Lite 2. MIDB205010 Midland	1. PHI15-769 Phillips
Cover Replacement Kit 	Nylon Adapter Boxes (Truck-Lite) 	Current Chaser 
1. 20TL50875 Truck-Lite 2. TRA38204 Tramec	1. 20TL50880 Shallow, bottom access 2. 20TL50882 Deep, bottom access 3. 20TL50883 Deep, back access	1. TOLCC7
Lamp & Wiring Tester 		
1. TOLLT-1		

7.4 Junction Boxes

7.4.1: NOSE BOXES

Grote

7.4.1.1: GROTE 7-WAY NOSE BOXES (METAL HOUSING)

Grote

Part Number	Pin Type	Circuit Breakers	Figure
20GR87830	Split pin	No	
20GR87590	Solid pin	No	

MIDLAND

7.4.1.2: MIDLAND 15 -AMP NOSE BOXES (METAL HOUSING)

MIDLAND

Part Number	6-Way	7-Way	Quicky Insert	Housing Only	Figure
MIDBE26100	X	X	X		
MIDBE26103		X			
MIDB26000				X	

Truck-Lite

7.4.1.3: TRUCK-LITE 7-WAY NOSE BOXES (POLY CARBONATE BODY)

Truck-Lite

Part Number	Description	Circuit Breakers	Figure
20TL50805		No	
20TL50806		15 amp	
FRULCF6721-2	Pro-Par	15 amp	
20TL50822	Right angled	No	
20TL50808	Cap latch only		
20TL50809	Cover only		
20TL87845	Cable clamp only		

7.4.2: JUNCTION BOXES & ACCESSORIES

MIDLAND

7.4.2.1: 7-TERMINAL STYLE MIDLAND JUNCTION BOXES

MIDLAND

Part Number	Style	Circuit Breaker	Figure
MIDBE22010	T	N/A	
MIDBE22040	T	N/A	
MIDBE22070	CB	N/A	

7.4.2.2: 6-TERMINAL STYLE MIDLAND JUNCTION BOXES

Part Number	Style	Circuit Breaker	Figure
MIDBE22080	T	Stud	
MIDBE22090	T	Flush	


7.4.3: TRUCK-LITE JUNCTION BOXES & ACCESSORIES


Part Number	Description	Figure
20TL50400*	Surface mount assembly	
20TL50800	Surface mount junction box	
20TL50820	Terminal block	
20TL50816	Junction box cap	
20TL50830	Filler plug	
*Kit contains 4 20TL50830		
20TL50401*	Backplate mount assembly	
20TL50801	Flange mount junction box	
20TL50820	Terminal block	
20TL50816	Junction box cap	
20TL50830	Filler plug	
*Kit contains 4 20TL50830		
20TL50850	Kit contains 20TL50820 4-20TL50830 & screws	

Part Number	Description	Size	Figure
20TL50840*	3/8" ID compression fitting	2 Conductor cable	
20TL50841*	1/2" ID compression fitting	4 & 5 Conductor cable	
20TL50842*	3/4" ID compression fitting	6 & 7 Conductor cable	
20TL50843*	5 Hole compression fitting	Single conductor cable	
20TL50846*	Compression fitting	4 conductor flat cable	
*3 Part fitting			
20TL50845	Jam nut for compression fitting installation	Jam nut	

7.5 Coiled Electrical Cables

7.5.1: STANDARD COILED ELECTRICAL CABLES

Part Number	Vendor	Working Length	Wiring Type	Plug Type	Figure
PHI24-4321	Phillips	12'	6 - 14, 1 - 12	Metal with spring	 For Reference Only
TEC7LGB222MG	Tectran	12'	6 - 14, 1 - 12	Metal with spring	
PHI24-9320	Phillips	12'	6 - 14, 1 - 12	Xenoy	
PHL2-812-CL	Phillips	12'	1 - 12, 6 - 10	Xenoy	
PHI24-4621	Phillips	15'	6 - 14, 1 - 12	Metal with spring	
TEC7LGB522MG	Tectran	15'	6 - 14, 1 - 12	Metal with spring	

7.5.2: ABS READY COILED ELECTRICAL CABLES

Part Number	Vendor	Working Length	Plug Type	Wiring Included	Figure
PHI30-9321	Phillips	12'	Metal with Spring	1 - 8 ga. white ground	 For Reference Only
				1 - 10 ga. red stop light	
				1 - 10 ga. blue (ABS power)	
PHI30-9620	Phillips	15'	Xenoy	4 - 12 ga. brown, black	
PHI30-9621	Phillips	15'	Metal with Springs	yellow & green	
PHI30-4921	Phillips	15'	Metal with Springs		
20TL97161	Truck-Lite	15'	Xenoy		

7.5.3: LIFT GATE CABLES (SINGLE PLUG)

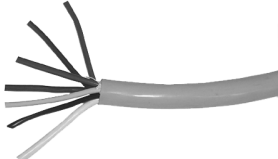
Part Number	Vendor	Working Length	Plug Type	Color	Figure
PHI23-4325	Phillips	12'	Metal with spring	Green	 For Reference Only
TRA38181-12	Tramec	12'	Metal with spring	Black	
PHI23-4625	Phillips	15'	Metal with spring	Green	

7.6 Wiring

7.6.1: 7-WAY WIRE CABLE

Part Number	Wire Type	Length	Figure
ELT2-3	6-12 ga., 1-10 ga.	250'	
ELT2-30	6-12 ga., 1-10 ga.	100'	
ELT2-32	5-12 ga., 1-10 ga., 1-8 ga.	100'	
ELT2-31	7-14 ga.	100'	
ELT2-33	1-12 ga., 6-14 ga.	250'	

7.6.2: 7-WAY ABS STYLE WIRE CABLE

Part Number	Wire Type	Length	Figure
PHI3-327	4-12 ga., 2-10 ga., 1-8 ga.	100'	

7.6.3: 6-WAY WIRE CABLE

Part Number	Wire Type	Length	Figure
ELT2-2	5-14 ga., 1-12 ga.	250'	
ELT2-20	4-14 ga., 2-12 ga.	250'	
ELT2-21	6-14 ga.	250'	

7.6.4: 4-WAY WIRE CABLE

Part Number	Wire Type	Length	Figure
ELT2-1	4 - 12 ga.	100'	
ELT2-10	4 - 14 ga.	100'	
ELT2-11	4 - 16 ga.	100'	

7.6.5: PRIMARY WIRE (BLACK PVC JACKET)

Part Number	Wire Type	Length	Figure
ELT2-4	2 - 14 ga. black/white	100'	

7.6.6: SINGLE WIRE CABLE

Part Number	Wire Gauge	Color	Length	Figure
ELT1-35	16 ga.	Red	100'	
ELT1-3	14 ga.	Green	100'	
ELT1-5	14 ga.	Yellow	100'	
ELT1-10	14 ga.	Black	100'	
ELT1-17	14 ga.	Blue	100'	
ELT1-23	14 ga.	Brown	100'	
ELT1-43	14 ga.	White	100'	
ELT1-38	10 ga.	Red	100'	
ELT1-45	10 ga.	White	100'	

7.7 Wiring Connectors & Clips

7.7.1: WIRING CONNECTORS

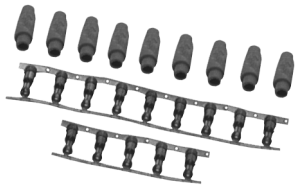
PHILIPS

7.7.1.1: PHILLIPS SOLDER & SEAL KIT

PHILIPS

Part Number	Contents of Kit	Figure
PHI1-2000	1 Mini butane torch 1 Blue 14 - 16 shrink tube 10 Red 18 - 20 butt connectors 10 Blue 14 - 16 butt connectors 10 Blue 14 - 16 1/4" ring 10 Blue 14 - 16 male OD 10 Yellow 10 - 12 butt connector 10 Yellow 10 - 12 1/4" ring 1 Red 18 - 12 shrink tube 1 Yellow 10 - 12 shrink tube 10 Red 18 - 20; #10 ring 10 Blue 14 - 16; #10 ring 10 Blue 14 - 16; 3/8" ring 10 Blue female OD 10 Yellow 10 - 12; #10 ring 10 Yellow 10 - 12; 3/8" ring	 All pieces organized in a 10-3/4" long x 6-1/2" wide x 1-3/4" tall plastic hinged container that snaps shut.

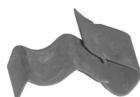
7.7.1.2: MISCELLANEOUS WIRE CONNECTORS

		
1. 20GR99510RetroFit Plug-in Terminal Kit		

7.7.2: SHRINK TUBING

		
1. PHI6-2028 ga. Shrink tube bag of 6 pieces		

7.7.3: CLIPS

		
1. CLP2-1 1/4" loom clip	1. FRULCD2194-1 Clip	1. FRULCD1285-1 Speed clip
		
1. FRULXA0820-1 Speed clip		

7.8 Cable Ties & Electrical Tape

7.8.1: CABLE TIES

Part Number	Size	Color	Quantity	Figure
ELT19-2	5"	Clear	50 per bag	
ELT19-2A	5"	Clear	200 per bag	
ELT19-4	7"	Clear	50 per bag	
ELT19-4A	7"	Clear	100 per bag	
ELT19-8	11"	Clear	50 per bag	
ELT19-11	14"	Clear	50 per bag	
ELT19-20A	5"	Black (UV)	100 per bag	
ELT19-22A	7"	Black (UV)	100 per bag	
ELT19-26	11"	Black (UV)	ELT1-43	
ELT19-26A	11"	Black (UV)	ELT1-38	
ELT19-29	14"	Black (UV)	ELT1-45	
ELT19-29A	14"	Black (UV)	100 per bag	

7.8.2: ELECTRICAL TAPE

Electrical Tape



1. TAPAAS000172

3/4" x 60'


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Martec International has made every attempt to publish this parts catalog as error-free as possible.

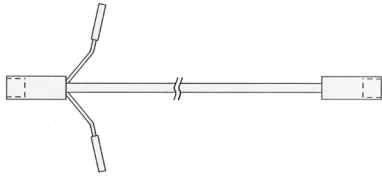
In the event that you discover an error, please fax the correction to the Martec Parts Marketing Department at:

1-908-756-2575

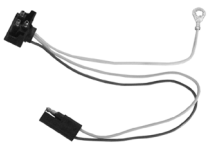
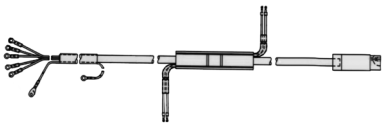
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7.9 Wiring Harnesses

7.9.1: WABASH WIRING HARNESSSES

Rear Harness 	License Harness 	Main Harness with ABS Warning Light Pairing 
1. WAB14400012 C/S 6' 2. WAB14400014 R/S 6'	1. WAB14400024 4'	1. WAB14401344 23'
ABS Wiring Harness 	Wiring Harness with Diagnostic Switch 	Turn Harness 
1. WAB14401359 38'	1. WAB14401744 23'	1. WAB14401373 18"

7.9.2: FRUEHAUF WIRING HARNESSSES

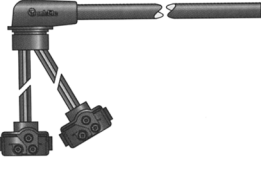
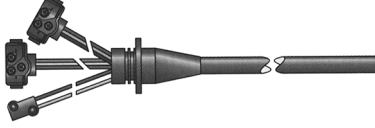
Turn & Tail Harness 	Tail Light Harness 	Main Harness 
1. FRULCF0022-2 LH 14" 2. FRULCF0022-3 RH 14"	1. FRULEY1400-1 LH 27"	1. FRULCF4709-57 53' 2. FRULCF4709-9 48'
Main Harness with Midline 	Main Harness 	Rear Main Harness 
1. FRULCF4705-28 52'	1. FRUTWC1214-1	1. FRULCF4704-1 58"

Main Harness Extension  1. FRULAS1004-1 5-1/2'	Jumper Harness  1. FRULCF4703-1 3-1/4'	Front Wall Harness  1. FRULCF8305-54 54'
Rear Sill Harness  1. FRULCF4704-5 3'		



7.9.3: TRUCK-LITE WIRING HARNESSSES

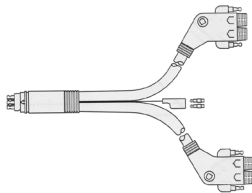


Stop/Turn/Tail Harness  1. 20TL50200 RH 6' 2. 20TL50201 LH 6'	Stop/Turn/Tail/Side Marker Harness  1. 20TL50208 RH 8' 2. 20TL50209 LH 8' 3. 20TL50210 RH 16' 4. 20TL50211 LH 16'	Three Plug ID Harness  1. 20TL50300 3'
Single Plug Marker/Clearance Harness  1. 20TL50307 3' 2. 20TL50303 6' 3. 20TL50304 14' 4. 20TL50305 38'	ID & License Lamp Harness  1. 20TL50308 3'	Single Plug Stop/Tail/Turn Harness  1. 20TL50338 38'
Turn/Marker Harness  1. 20TL50342 RH 15' 2. 20TL50343 LH 15' 3. 20TL50344 RH 38' 4. 20TL50345 LH 38'	Stop/Turn/Tail/Side Marker Harness  1. 20TL87208 RH 8' 2. 20TL87209 LH 8'	Three Plug Identification Harness  1. 20TL87300 3' 2. 20TL87301 24"

6 Conductor Main Cable Harness

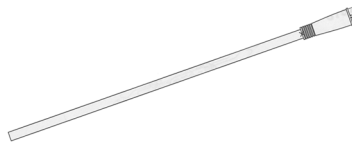

1. 20TL87603

3'

Grote
7.9.4: GROTE WIRING HARNESSES
Grote
Rear Sill Harness


1. 20GR66001

52"

Main Harness


1-10 ga., 6-12 ga.

1. 20GR66080

35'

Lamp Jumper Harness


1-10 ga., 6-12 ga.

1. 20GR66160

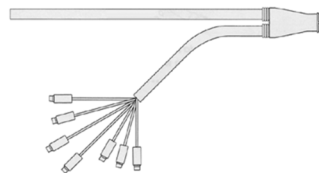
1'

2. 6740534' 7" Double contact female only

Lamp Jumper Harness

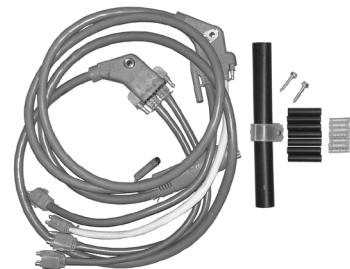

1. 20GR66170

2'

7 conductor Main Harness


1. 20GR66710

35'

UBS Rear Seal Harness Repair Kit


1. 20GR67040

