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7.1 Male Connectors

PHILIPS

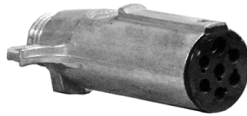
pro-par

**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 |

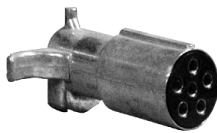
7-Way Plug with Spring Guard



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: Electrical

7.2 Female Receptacles



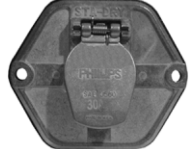

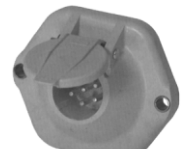





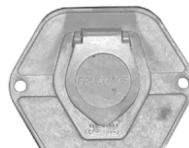

PHILIPS

TRAMEC

pro-par

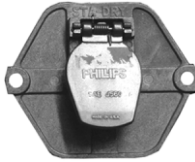
MIDLAND

**I
M PARTS**

<p>7-Way Receptacle Circuit Breaker Split Pin</p>  <p>Metal Housing Screw-Type</p> <p>1. MIDBE24020 20 amp 2. MIDBE24030 30 amp 3. MIDBE24040 40 amp</p>	<p>7-Way Receptacle 20 amp Circuit Breaker Split Pin</p>  <p>Metal Housing Screw-Type</p> <p>1. MIDBE24120 20 amp</p>	<p>Sta-Dry™ 7-Way Receptacle Circuit Breaker Split Pin</p>  <p>Metal Housing Screw-Type</p> <p>1. PHI15-762 20 amp 2. PHI15-763 30 amp</p>
<p>Sta-Dry™ 7-Way Receptacle 20 amp Circuit Breaker Split Pin</p>  <p>Nylon Housing</p> <p>1. PHI16-762 20 amp</p>	<p>7-Way Receptacle 20 amp Circuit Breaker Split Pin</p>  <p>Nylon Housin Screw-Type</p> <p>1. 20TL50865 Truck-Lite 2. TRA38213 Tramec</p>	<p>7-Way Receptacle 20 amp Circuit Breaker</p>  <p>Metal Housing Screw-Type</p> <p>1. FRULCC6828-1 Solid pin 2. FRULCC6828-CR1 Solid pin</p>
<p>7-Way Receptacle 15 amp Circuit Breaker Split Pin</p>  <p>Metal Housing Screw-Type</p> <p>1. MIDBE24015 Midland</p>	<p>7-Way Receptacle 15 amp Circuit Breaker Split Pin</p>  <p>Nylon Housing Screw-Type</p> <p>1. TRA38341G Tramec</p>	<p>7-Way Receptacle No Circuit Breaker Split Pin</p>  <p>Composite</p> <p>1. MIDBE23705 Plug-in Type 2. MIDBE23707 Screw-Type</p>
<p>7-Way Receptacle No Circuit Breaker Split Pin</p>  <p>Metal Housing Screw-Type</p> <p>1. MIDBE24000 Midland 2. MIDBE24001 Midland</p>	<p>7-Way Receptacle No Circuit Breaker Solid Pin</p>  <p>Metal Housing Screw-Type</p> <p>1. FRULCF1568-2 Pro-Par</p>	<p>7-Way Receptacle No Circuit Breaker</p>  <p>Metal Housing Screw-Type</p> <p>1. FRULXA0255-1 Split pin 2. FRULXA0255-2 Solid pin</p>

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

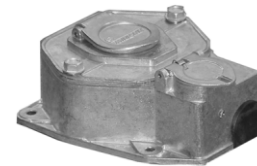
ISO 3731 Sta-Dry™ 7-Way Receptacle
No Circuit Breaker Split Pin



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

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


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 1 - 10 ga. red stop light 1 - 10 ga. blue (ABS power)	 For Reference Only
PHI30-9620	Phillips	15'	Xenoy	4 - 12 ga. brown, black yellow & green	
PHI30-9621	Phillips	15'	Metal with Springs		
PHI30-4921	Phillips	15'	Metal with Springs		
20TL97161	Truck-Lite	15'	Xenoy		

7.5.3: LIFT GATE CABLES (SINGLE PLUG)

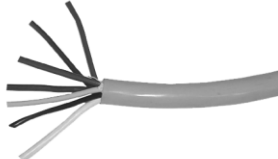
Part Number	Vendor	Working Length	Plug Type	Color	Figure
PHI23-4325	Phillips	12'	Metal with spring	Green	
TRA38181-12	Tramec	12'	Metal with spring	Black	
PHI23-4625	Phillips	15'	Metal with spring	Green	

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: Electrical


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

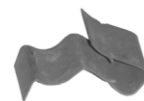
7.7.3: CLIPS



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'



martec
international

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

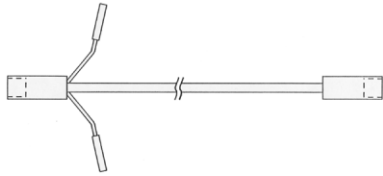





In the event that you discover an error, please fax the correction to the Martec Parts Marketing Department at:

1-800-8MARTEC



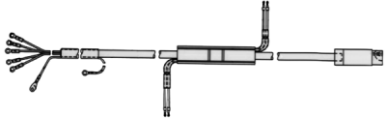



Thank you.





7.9 Wiring Harnesses

7.9.1: WABASH WIRING HARNESSSES

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

7.9.2: FRUEHAUF WIRING HARNESSSES







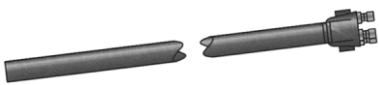


<p>Turn & Tail Harness</p> 	<p>Tail Light Harness</p> 	<p>Main Harness</p> 
<p>1. FRULCF0022-2 LH 14" 2. FRULCF0022-3 RH 14"</p>	<p>1. FRULEY1400-1 LH 27"</p>	<p>1. FRULCF4709-57 53' 2. FRULCF4709-9 48'</p>
<p>Main Harness with Midline</p> 	<p>Main Harness</p> 	<p>Rear Main Harness</p> 
<p>1. FRULCF4705-28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

<p style="text-align: center;">Main Harness Extension</p>  <p>1. FRULAS1004-1 5-1/2'</p>	<p style="text-align: center;">Jumper Harness</p>  <p>1. FRULCF4703-1 3-1/4'</p>	<p style="text-align: center;">Front Wall Harness</p>  <p>1. FRULCF8305-54 54'</p>
<p style="text-align: center;">Rear Sill Harness</p>  <p>1. FRULCF4704-5 3'</p>		



7.9.3: TRUCK-LITE WIRING HARNESSSES



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

7: Electrical

6 Conductor Main Cable Harness



1. 20TL87603

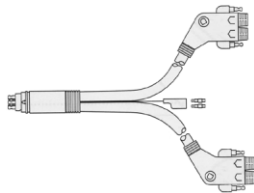
3'

Grote

7.9.4: GROTE WIRING HARNESSSES

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

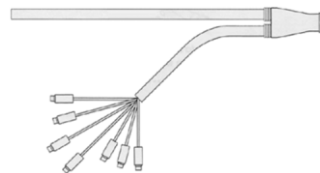
Lamp Jumper Harness



1. 20GR66170

2'

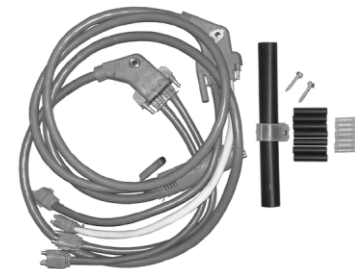
7 conductor Main Harness



1. 20GR66710

35'

UBS Rear Seal Harness Repair Kit



1. 20GR67040



7: Electrical