

MacDon

Electrical Connectors

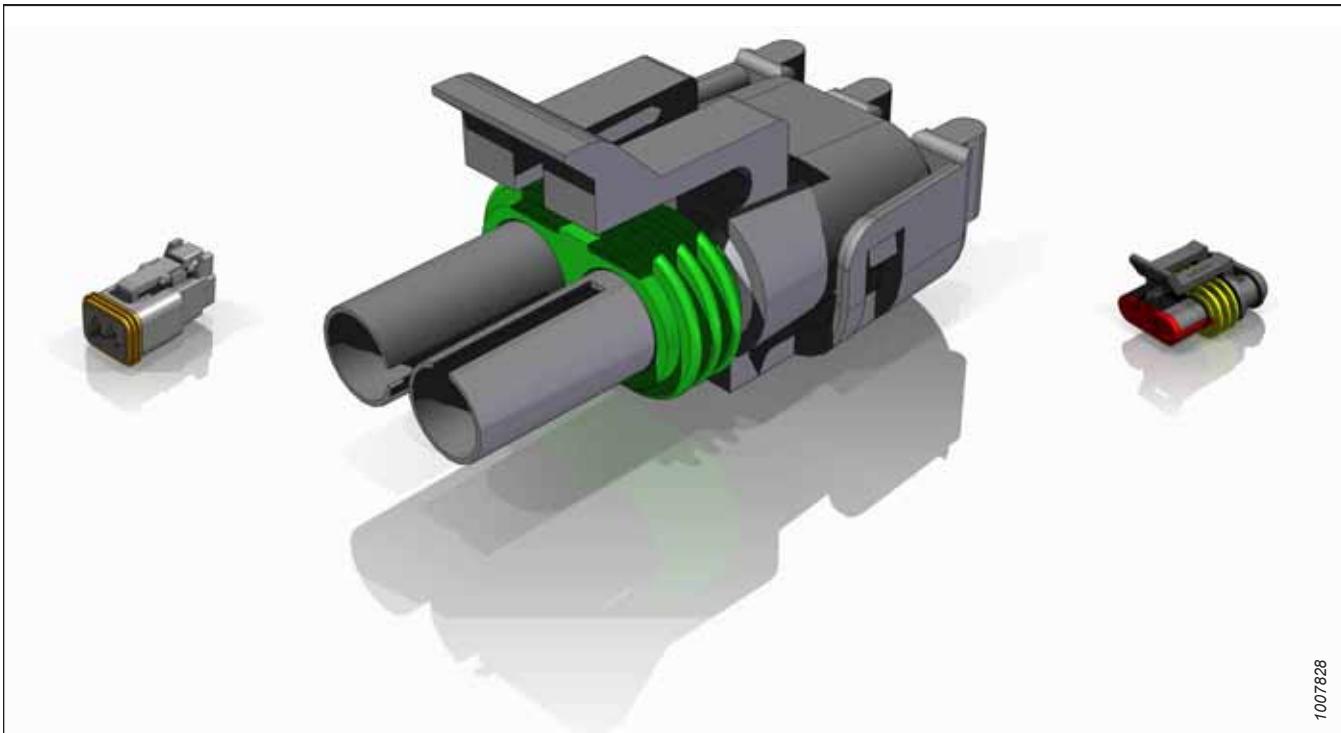
Parts Catalog

169641 Revision G

Original Instruction

The Harvesting Specialists.

Electrical Connectors



1007828

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Introduction

This Parts Catalog lists the replacement electrical connector parts that are currently used on existing MacDon products. Some can be ordered through MacDon, while the majority can be sourced through the manufacturer with a list of manufacturer part numbers.

When ordering, be sure the complete and proper part number is given.

Bold text is used to indicate updates made at the current revision level. With each new revision of the catalog, previous revisions are returned to regular text.

Summary of Changes – Electrical Connectors (169641 Rev. G)

This list covers changes made since the last revision (169641 Rev. F).

Section	Summary of Change	Internal Use Only
<i>3.43 , page 65</i>	Added new topic.	ECN 62312
<i>19.3 , page 293</i>	Corrected plug connector part number from 134194 to 134766.	Parts
<ul style="list-style-type: none">• <i>15.1 , page 265</i>• <i>15.2 , page 266</i>• <i>15.3 , page 267</i>• <i>15.4 , page 268</i>• <i>17.1 , page 275</i>• <i>17.2 , page 276</i>• <i>25.1 , page 335</i>• <i>25.2 , page 336</i>	<p>Added part number to serviceable components.</p> <ul style="list-style-type: none">• 18-position connectors: 134588, 134589, 1345590, 134591• 20-position connectors: 134389, 134390• 35-position connectors: 134375, 134376	ECN 61045

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Chapter 1: General Connector Information

1.1 Connector Summary

An electrical connector is a device used to join electrical terminations to create an electrical circuit. Electrical connectors consist of plugs (male-ended) and receptacles (female-ended).

Connectors have an external housing (or shell) and three key components:

- **Terminals** are the parts of the connector that make the electrical connection. They are made up of a pair of parts that connect to each other; pins connect to sockets and tabs connect to receptacles.
- **Seals** are meant to keep moisture and dust away from the electrical connection. There are four different types of seals: individual wire seal, band or ring seal (front or internal), seal plug, and gang terminal seal (front and rear). Many connectors have more than one seal. Sealed connectors do not use dielectric grease. Some connectors do not have seals and use dielectric grease to seal the connector off from the environment.
- **Locks** keep the wire connection from becoming disconnected. There are three types of locks: internal terminal locks, secondary locks, and main locks. Most connectors have more than one lock.

Most connectors have six components:

- (A) Pin contact¹
- (B) Receptacle housing
- (C) Receptacle wedgelock
- (D) Plug wedgelock
- (E) Plug housing
- (F) Socket contact

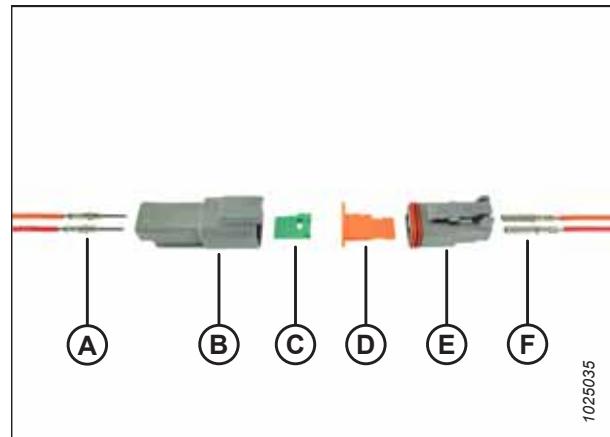


Figure 1.1: Connector

1. There are two options for pin contacts, stamped and solid.

GENERAL CONNECTOR INFORMATION

Terminals are the parts of the connector that make the electrical connection. They are made up of a pair of parts that connect to each other:

- Pins (A) connect with sockets (B)
- Tab (C) connects with receptacles (D)

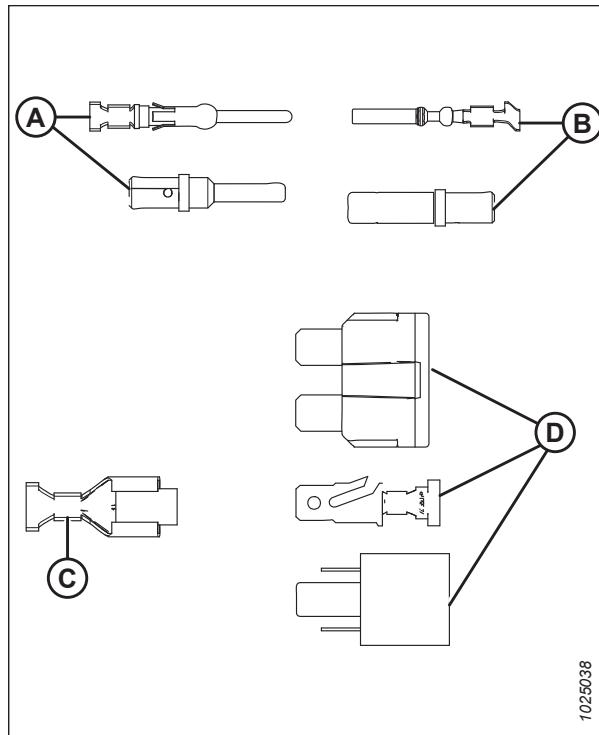


Figure 1.2: Terminals

A sealed connector means the terminal pairs are protected from the environment. The seal is meant to keep moisture and contaminants away from the electrical connection. There are different types of seals, and some connectors have more than one type.

- (A) Individual wire seal
- (B) Gang terminal seal – front and rear
- (C) Seal plugs

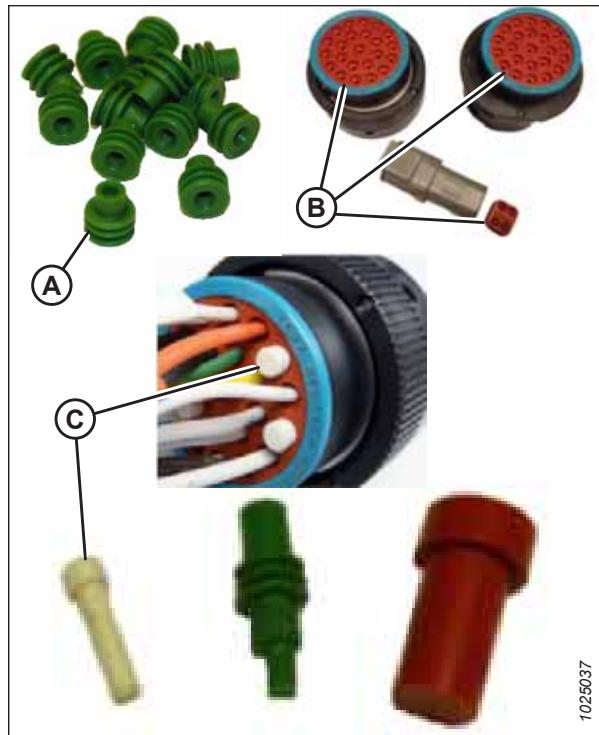


Figure 1.3: Seals

GENERAL CONNECTOR INFORMATION

NOTE:

It is possible to break or damage the seal via incorrect installation process.

- (D) Band (ring) seal – internal
- (E) Band (ring) seal – front



Figure 1.4: Seals

There are several locks that help prevent connectors from separating:

- Main locks
 - (A) Locking rings
 - (B) Lock bosses
 - (C) Latch
 - (D) Catch

NOTE:

Many connectors have more than one lock. Some locks can be difficult to engage properly.

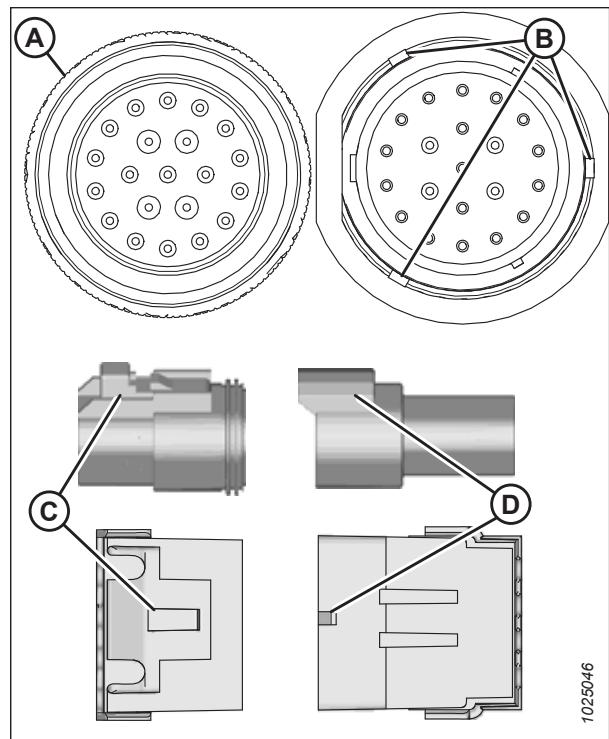


Figure 1.5: Main Locks

GENERAL CONNECTOR INFORMATION

- Secondary wedge locks (A)

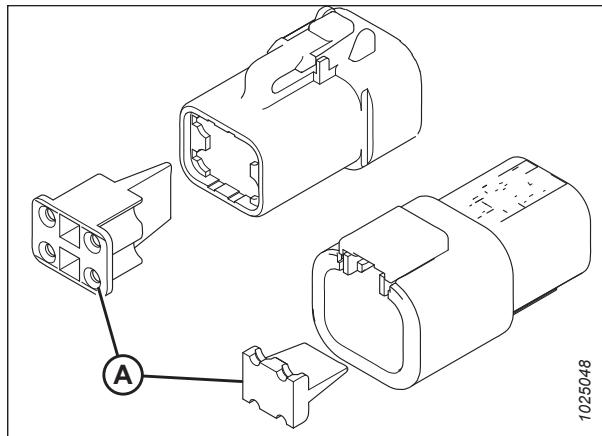


Figure 1.6: Secondary Wedge Locks

- Integrated rear secondary lock (A)

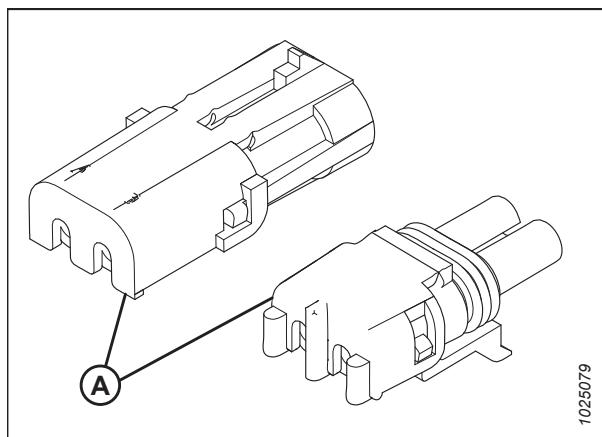


Figure 1.7: Integrated Rear Secondary Lock

- Internal terminal locks
 - (A) Pin housing
 - (B) Socket housing
 - (C) Tang
 - (D) Button

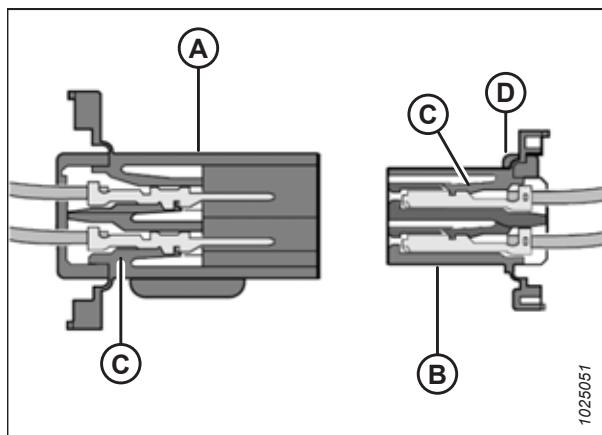


Figure 1.8: Internal Terminal Locks

GENERAL CONNECTOR INFORMATION

- Comb style lock (A) – rear

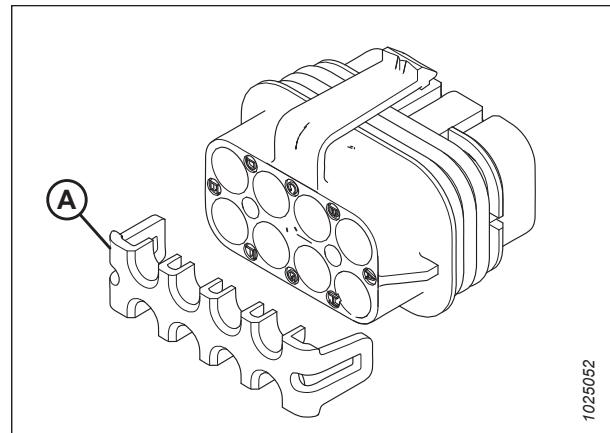


Figure 1.9: Comb Style Lock – Rear

- Comb style lock (A) – front

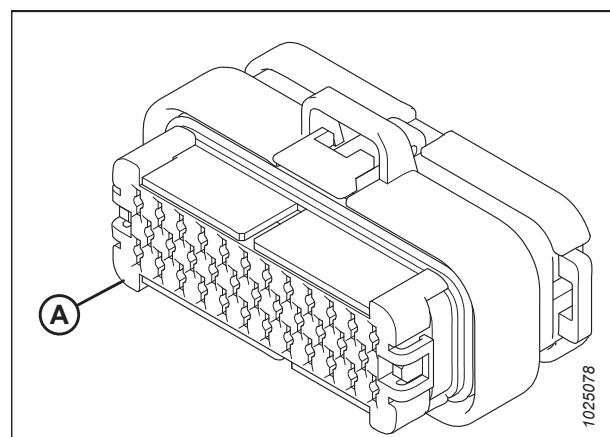


Figure 1.10: Comb Style Lock – Front

IMPORTANT:

Dielectric grease is used to protect unsealed electrical connectors (A) from moisture and contaminants. Do **NOT** apply grease to sealed connections.

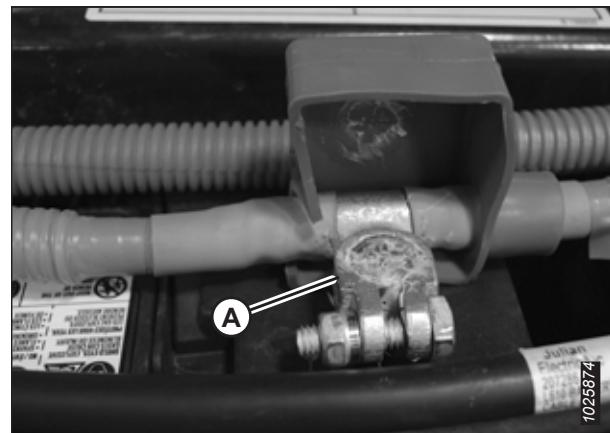


Figure 1.11: Unsealed Electrical Connection

GENERAL CONNECTOR INFORMATION

1.2 Connector Types

This is a list of connector types used on MacDon Products.

Connector	Terminals	Seals	Locks
Deutsch - Circular Bulkhead	pin and socket	-ring seal front, gang seal rear -sealing plugs required for unused positions	-internal terminal -no secondary lock -twist collar main lock
Deutsch - Rectangular (DT/DTM/DTP)	pin and socket	-band seal front, gang seal rear -sealing plugs required for unused positions	-internal terminal -secondary lock inserted from front face -tab style main lock
Delphi - Weatherpack/Metri-Mate	pin and socket	-band seal front, individual seals rear -cavity plugs required for unused positions	-internal terminal -secondary lock, integrated rear comb -tab style main lock
Delphi - Metri-Pak	pin and socket	-band seal front, gang seal rear -cavity plugs required for unused positions	-internal terminal -no secondary lock -tab style main lock
Tyco - Econoseal	tab and receptacle	-band seal front, individual seals rear -sealing plugs required for unused positions	-internal terminal -secondary lock, front face comb -tab style main lock
Tyco - MCP	tab and receptacle	-band seal front, individual seals rear -sealing plugs required for unused positions	-internal terminal -secondary lock, front face -side slide main lock
Molex - MX150 (HPT Display)	pin and socket	-band seal front, gang seal rear -sealing plugs required for unused positions	-internal terminal -secondary lock, front face comb -tab style main lock with secondary red tab lock
Cooper Bussmann (Relay Module)	tab and receptacle	-band seal front, individual seals rear -sealing plugs required for unused positions	-internal terminal -secondary lock, rear comb -tab style main lock
Hirschmann (Trimble GPS Module)	pin and socket	-gang seal front and rear -sealing plugs required for unused positions	-internal terminal -no secondary lock -bolt fastener main lock
Bosch (Relay Base)	tab and receptacle	-unsealed, dielectric grease may be required	-internal terminal -secondary lock, side insertion
JST - JWPF (Console printed circuit board JBUND, ect.)	pin and socket	-gang seal rear, band seal in receptacle connector	-internal terminal -no secondary lock
JST - WPJ (Console printed circuit board JCAN, JPWR, JBATT, ect.)	pin and socket	-band seal front, gang seal rear	-internal terminal -no secondary lock

1.3 Disconnecting Connectors

There are many types of connectors used on electrical harnesses. Each connector may have its own locking system. Below are some examples of connectors and how to remove them.

NOTE:

When disconnecting electrical connectors, ensure you only pull on the connector not the wires. Pulling on the wires may cause further damage to the wires, pins, or connector.

Lift tab (A) until it clears the retaining lock. Slide the connector rearward to remove.

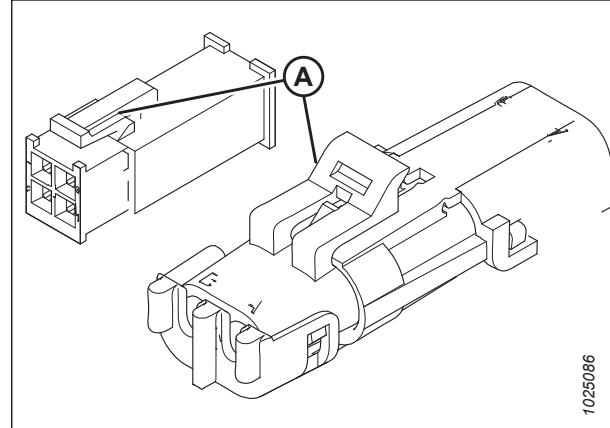


Figure 1.12: Connector

Press down on tab (A) until it clears the retention groove. Slide the connector rearward to remove.

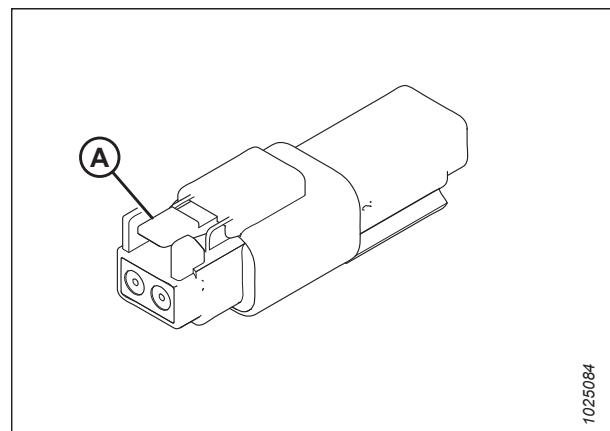


Figure 1.13: Connector

Press in both side tabs (A). Slide the connector rearward to remove.

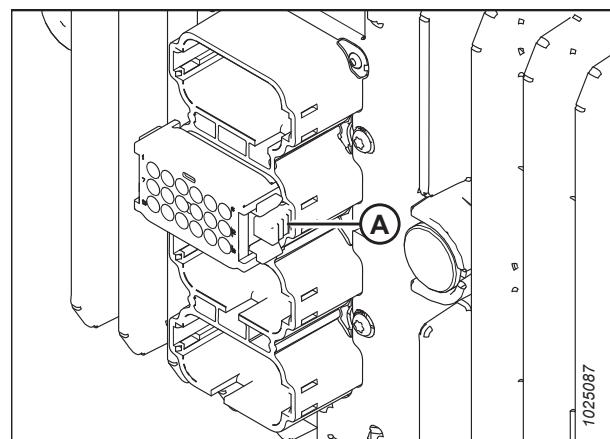


Figure 1.14: Master Controller Connector

GENERAL CONNECTOR INFORMATION

Rotate locking collar (A) counterclockwise. Slide the connector rearward to remove.

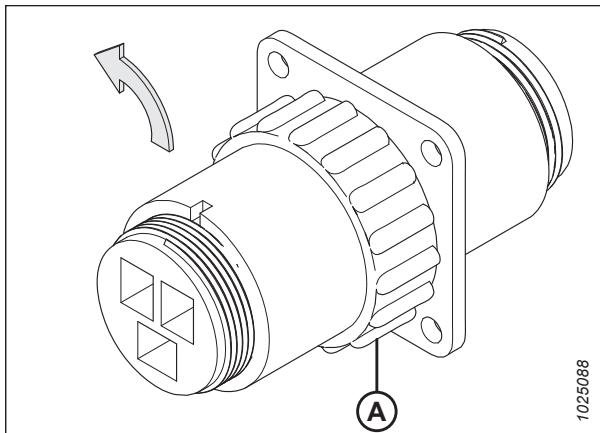


Figure 1.15: Connector

Pry side lock (A) out till it is completely disengaged. Slide the connector rearward to remove.



Figure 1.16: Connector

Slide red lock (A) rearward. Press down on tab (B) until it clears the retaining lock. Slide the connector rearward to remove.

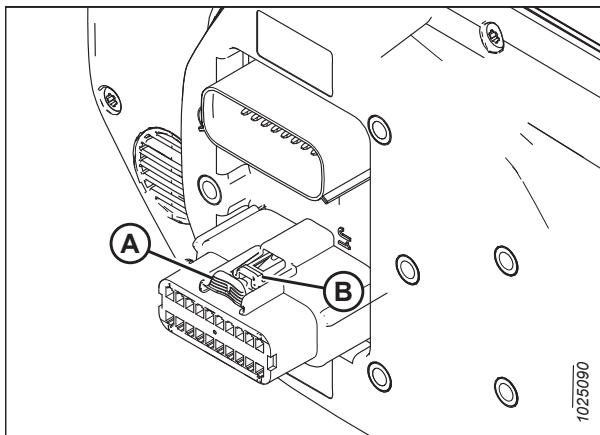


Figure 1.17: Display Connector

GENERAL CONNECTOR INFORMATION

Lift tab (A) until it clears the retaining lock. Slide the connector rearward to remove.

NOTE:

Be careful when lifting the tab on the connector; it will break if too much pressure is used.

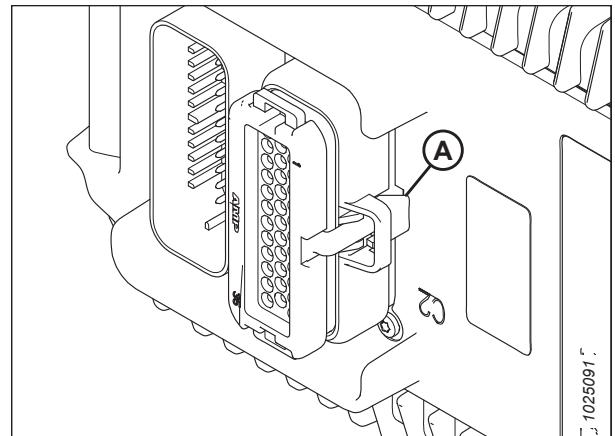


Figure 1.18: Extension Module Connector

Push in tab (A) until it clears the retaining lock. Slide the connector rearward to remove.

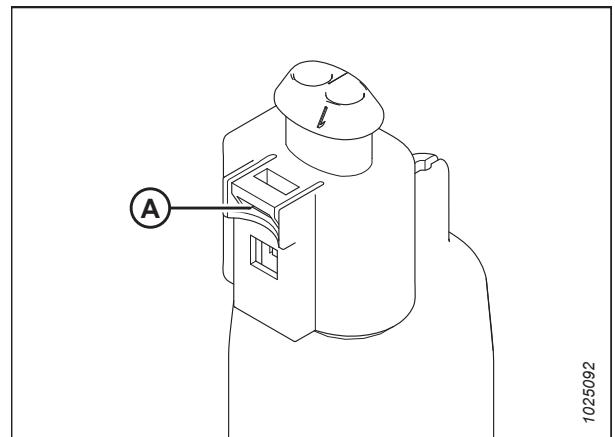


Figure 1.19: Windshield Washer Pump Connector

Push in tab (A) until it clears the retaining lock. Slide the connector rearward to remove.

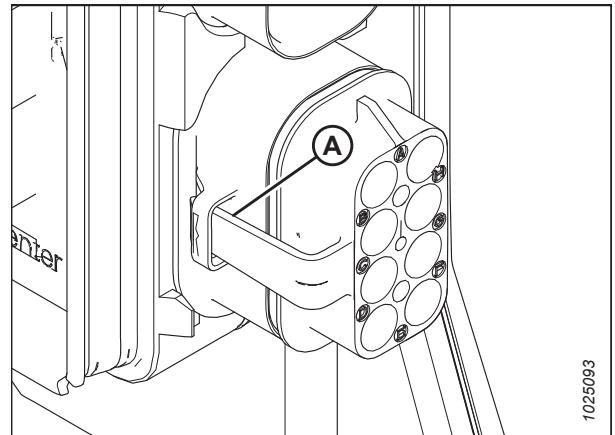


Figure 1.20: Relay Module Connector

GENERAL CONNECTOR INFORMATION

Press in tab (A) until it clears the retaining lock. Slide the connector rearward to remove.

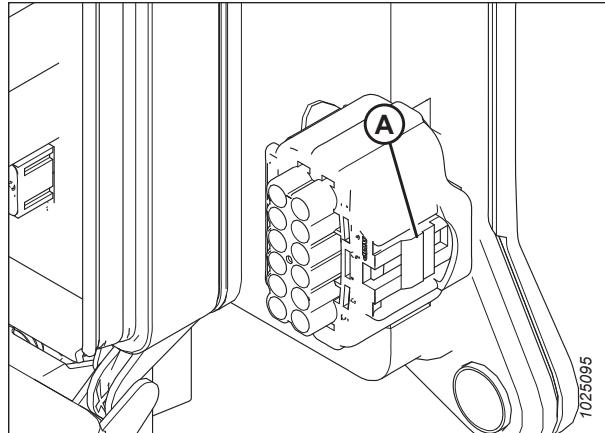


Figure 1.21: Relay Module Connector

Press down on lock (B). Lift tab (A), and completely rotate it. Slide the connector rearward to remove.

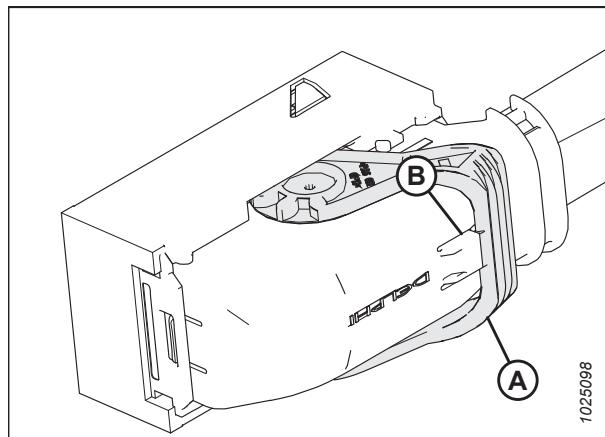


Figure 1.22: Engine Control Module (ECM) Connector

1.4 Repairing Deutsch Connectors: Removing Contacts

Required Tools:

- Contact extraction tool – Wire gauge determines which contact extraction tool to use.
- Deutsch removal tool (DT-RT1) – Removes wedge locks.

Table 1.1 Contact Extraction Tool Options

Extraction Tool		Wire		Contact Size
Part Number	Color	Size Range	Maximum Insulation Diameter	
0411-240-2005	Red	0.35-1.00 mm ² and 22-16 AWG	2.41 mm [.095 in.] AWG	20
0411-291-1405	Green	1.00-2.00 mm ² and 16-14 AWG	3.81 mm [.150 in.] AWG	16
0411-310-1605	Light Blue	0.75-1.00 mm ² and 18-16 AWG	3.40 mm [.134 in.] AWG	16
0411-336-1605	Dark Blue	0.50-1.00 mm ² and 20-16 AWG	3.05 mm [.120 in.] AWG	16

Removing Contact from Rear Release Connector

1. Slide extraction tool (A) along the wire into the rear of the connector until the tines can be felt to unlock. Place your thumb on the wire, gripping the wire and extraction tool. Gently pull the wire until the contact is removed.

NOTE:

Do **NOT** twist or insert the extraction tool at an angle, as damage to the locking tines will occur.

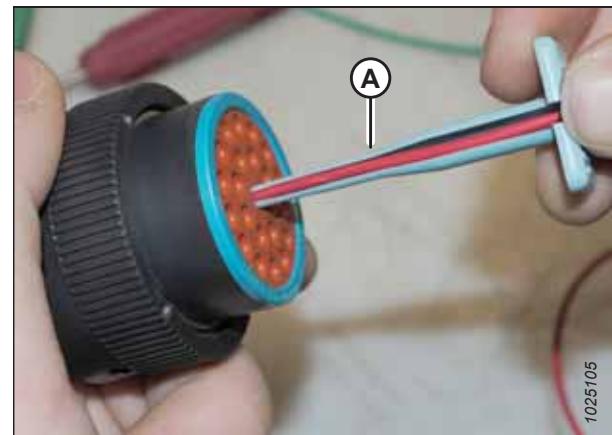


Figure 1.23: Rear Release Connector

GENERAL CONNECTOR INFORMATION

Removing Contact from Front Release Connector

2. Insert the hook end of the Deutsch removal tool (DT-RT1) into the connector. Grasp wedge lock (A) and pull straight out.

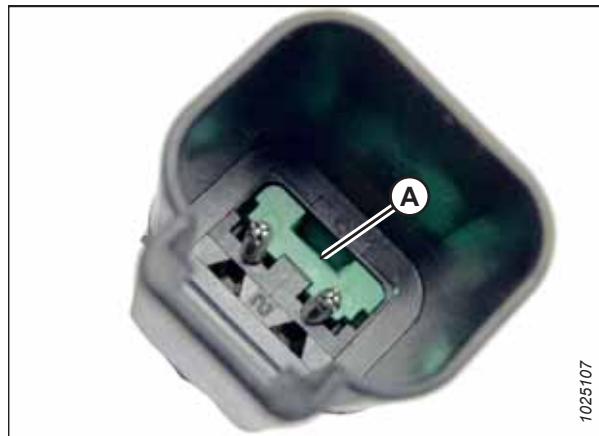


Figure 1.24: Front Release Connector – Pin



Figure 1.25: Front Release Connector – Socket

3. Insert the flat end of the Deutsch removal tool (DT-RT1) and disengage contact lock (A). Hold the rear seal of the connector and pull the wire until the contact and wire are removed.

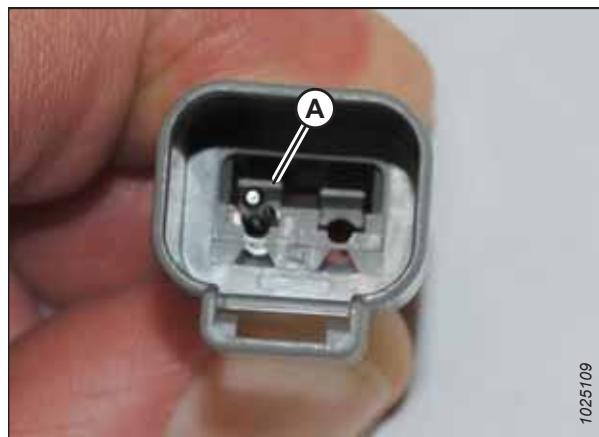


Figure 1.26: Front Release Connector – Pin or Socket

1.5 Repairing Deutsch Connectors: Replacing Contacts

Required Tools:

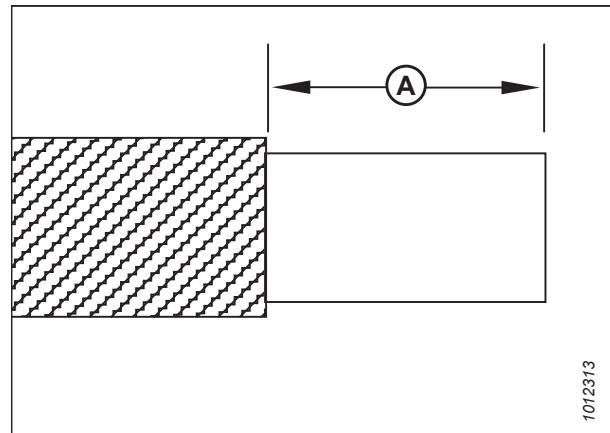
- Crimper
 - Wire stripper
 - Side cutter
1. Cut the damaged contact off of the wire.
 2. Strip approximately 5–7 mm (0.20–0.28 in.) of insulation off the end of the wire.

NOTE:

Wire strip length depends on the contact being used.

NOTE:

Visually inspect the wire after stripping. If there is any wire strands cut, repeat the stripping procedure.



1012313

Figure 1.27: Wire Insulation

A - 5–7 mm (0.20–0.28 in.)

3. Insert contact (A) into the crimper. Adjust screw (D) until the end of the contact is flush with the opening in crimper (B). Tighten jam nut (C) to lock setting.

IMPORTANT:

Maximum gap from wire insulation to end of contact is 2.5 mm (0.10 in.).



1025298

Figure 1.28: Solid Contact

GENERAL CONNECTOR INFORMATION

4. Slightly close the crimper to hold contact (A) securely. Insert wire (B) into end of the contact. Hold the wire in place and squeeze handles completely together.

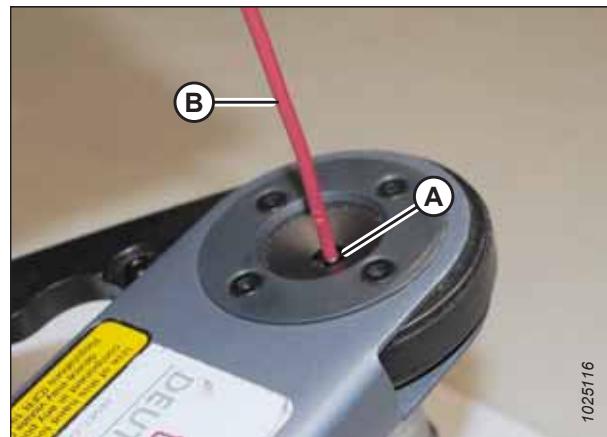


Figure 1.29: Solid Contact

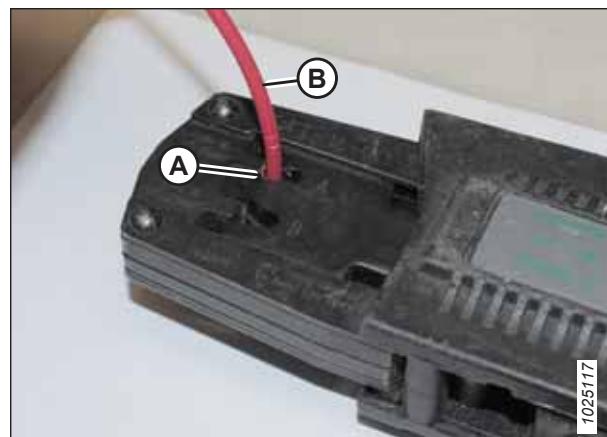


Figure 1.30: Stamped Contact

1.6 Repairing Deutsch Connectors: Inserting Pins or Contacts

1. Locate the correct wire position on the connector and insert contact (A) through rear rubber seal of the connector. There will be a discernible click sound as the shoulder of the contact passes through the tines and locks into position. It is recommended to give the wire a light tug to ensure the contact is installed correctly.

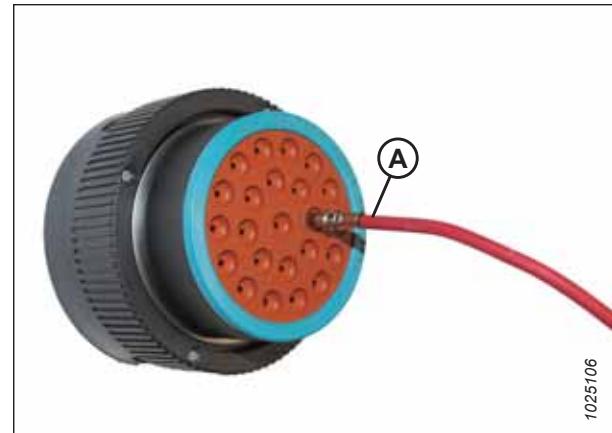


Figure 1.31: Rear Release Connector

2. Insert contact from the rear of the connector. There will be a discernible click sound as the shoulder of the contact passes through tines (A) and locks into position. It is recommended to give the wire a small tug to ensure the contact is installed correctly.

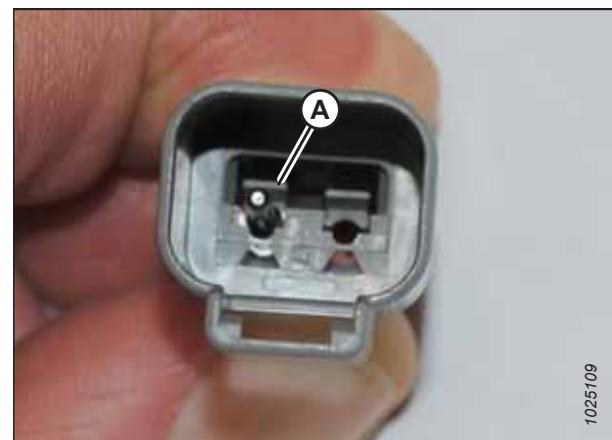


Figure 1.32: Front Release Connector

3. Install wedge lock (A) to secure the contacts.

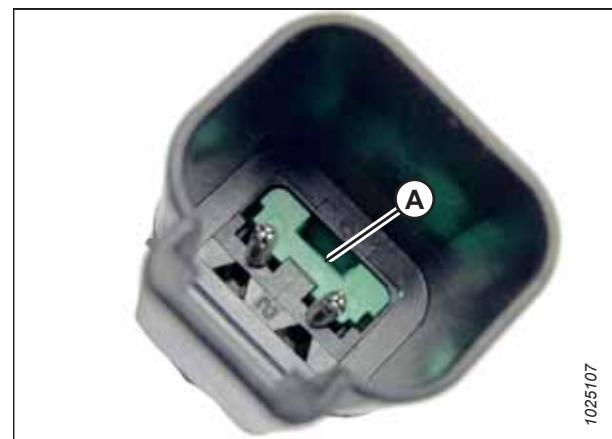
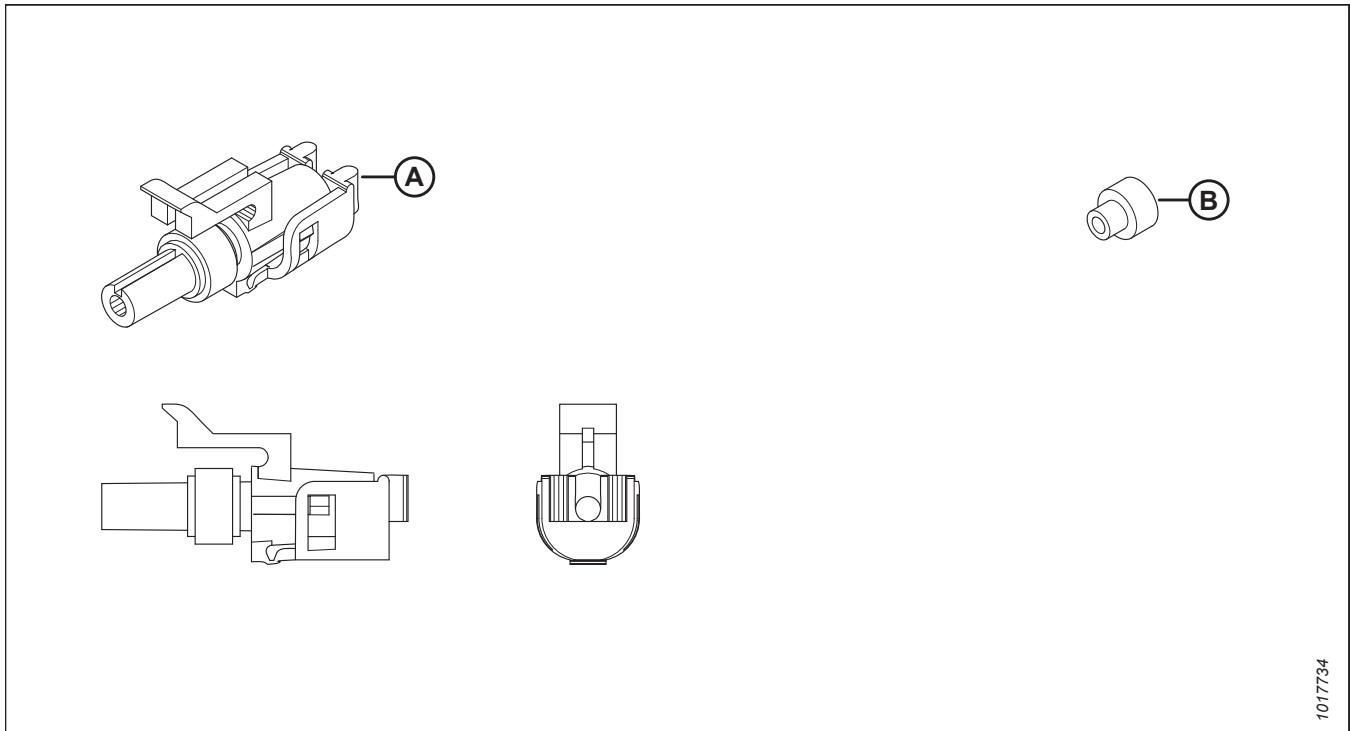


Figure 1.33: Front Release Connector

Chapter 2: One-Position Connectors

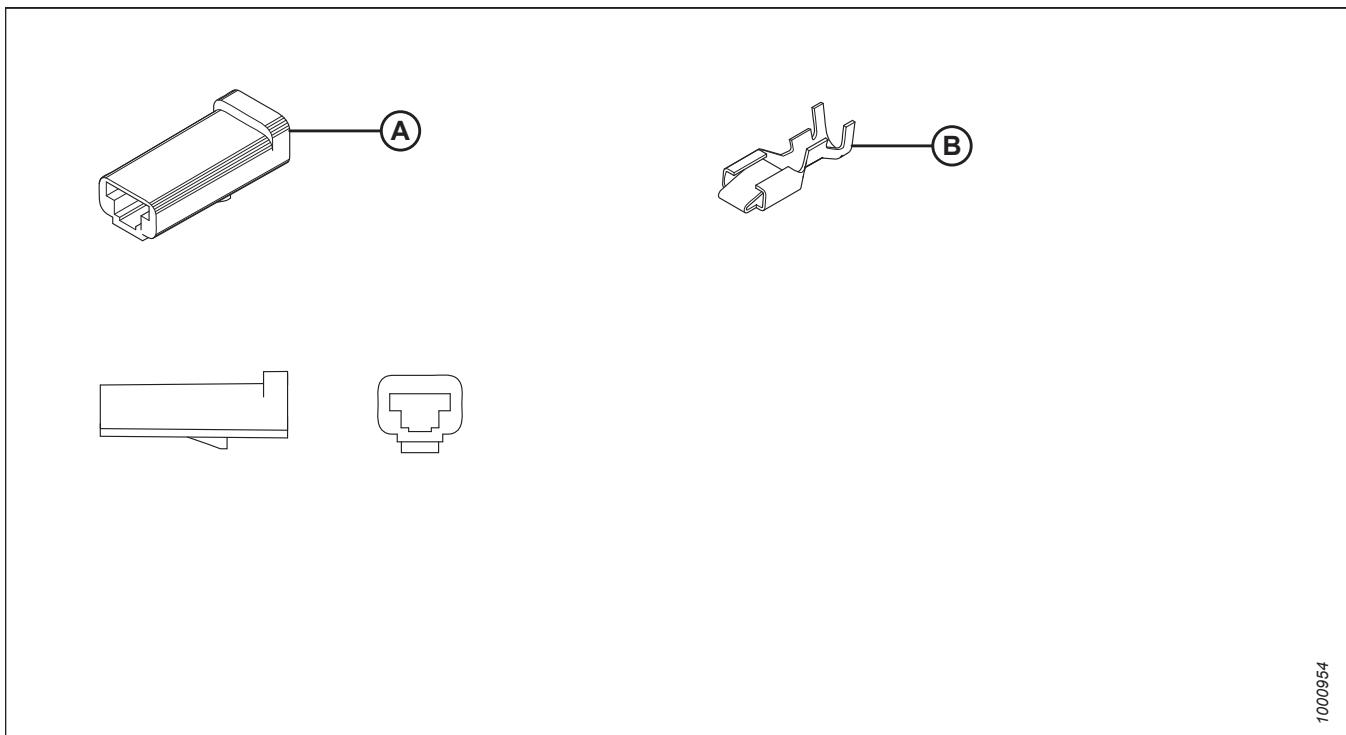
2.1



	MacDon Part #	Description	Manufacturer	Series	Manufacturer Part #
A		Connector – Plug (14–20 ga)	Delphi	W/P	12015791
	30471	Terminal – Socket (14–16 ga)	Packard Electric Div.	W/P	12124580
	134133	Terminal – Socket (18–20 ga)	Delphi	W/P	12089188
B		Seal – Wire (Green)	Delphi	W/P	15324982
		Plug – Cavity	Packard		12010300
		Mating Connector	Delphi	W/P	12010996
	134160	Extraction Tool		12014012	
		Crimp Tool		12155975	

ONE-POSITION CONNECTORS

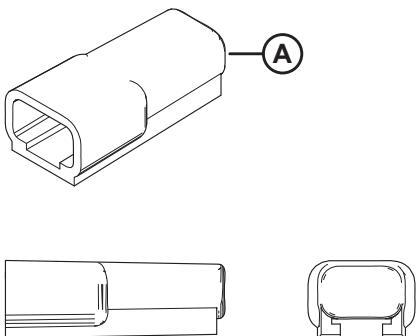
2.2



	MacDon Part #	Description	Manufacturer	Series	Manufacturer Part #
A		Connector – Plug	Delphi	56	2962793
B	134112	Terminal – Receptacle	Delphi	56	12124517
		Mating Connector		2973392	
	134159	Extraction Tool		12094430	
		Crimp Tool			

ONE-POSITION CONNECTORS

2.3

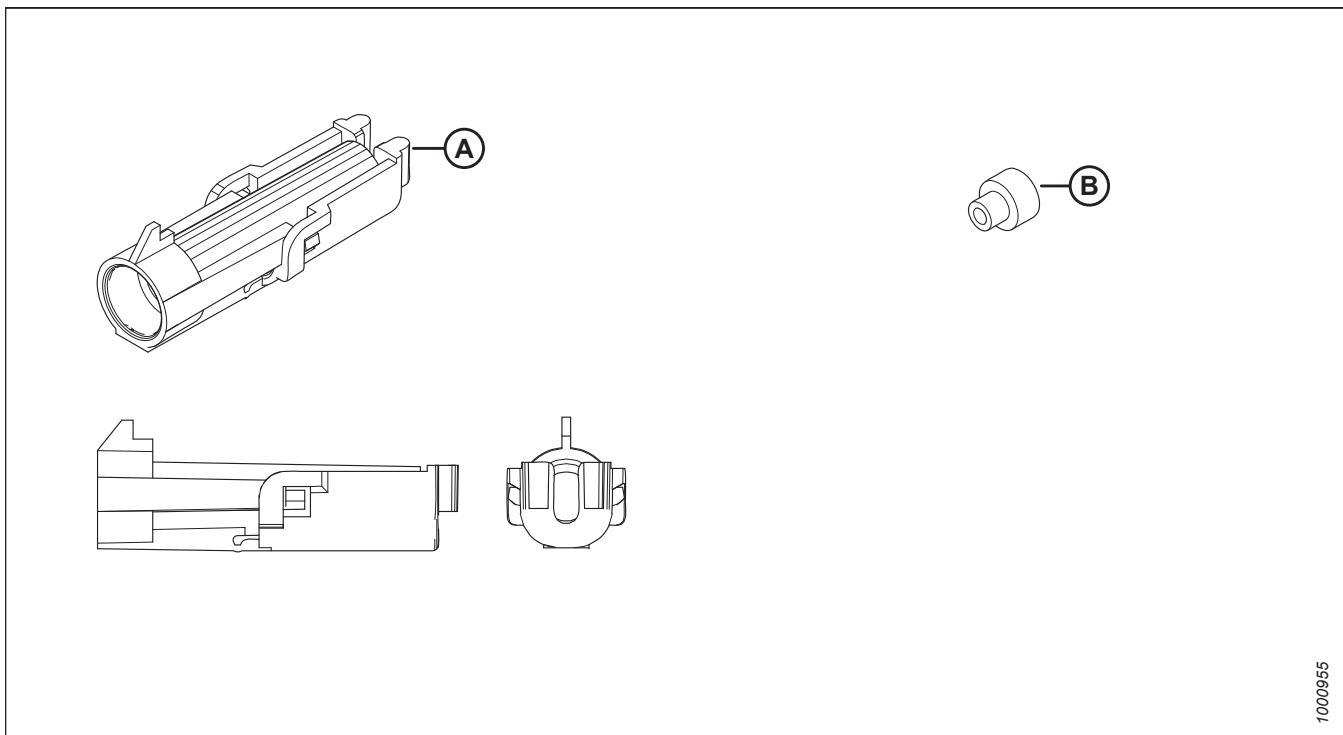


1025927

	MacDon Part #	Description	Manufacturer	Series	Manufacturer Part #
A		Connector – Receptacle	Delphi	56	29733922
		Mating Connector		2962793	
		Extraction Tool			
		Crimp Tool			

ONE-POSITION CONNECTORS

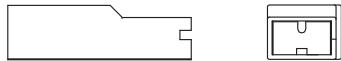
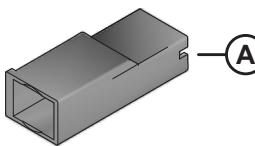
2.4



	MacDon Part #	Description	Manufacturer	Series	Manufacturer Part #
A		Connector – Receptacle (12–22 ga)	Delphi	W/P	12010996
	134126	Terminal – Pin (18–20 ga)	Delphi	W/P	12089040
B		Seal – Wire (Green)	Delphi	W/P	15324982
<hr/>					
		Mating Connector	Delphi	W/P	12015791
	134160	Extraction Tool		12014012	
		Crimp Tool			

ONE-POSITION CONNECTORS

2.5

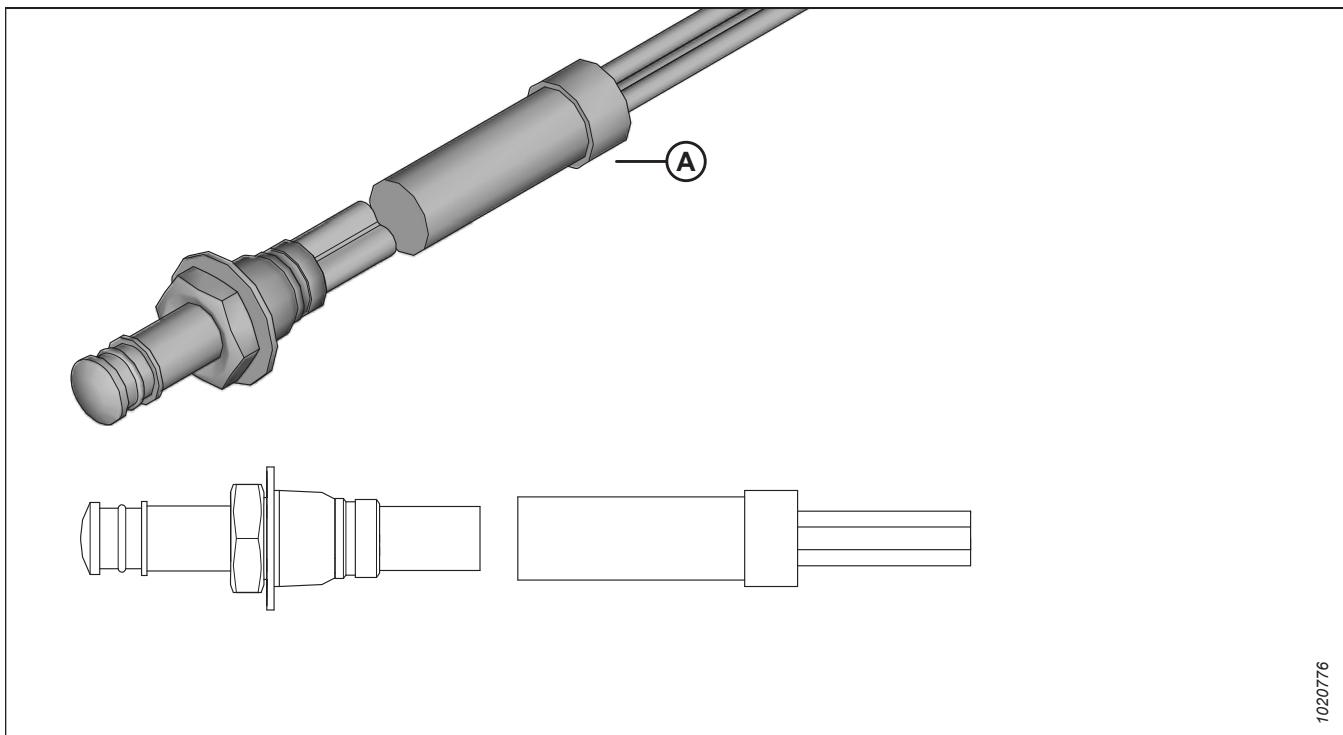


1020775

	MacDon Part #	Description	Manufacturer	Series	Manufacturer Part #
A		Connector – Receptacle, Positive Lock	Tyco		154719-1
		Terminal			
		Lock			
		Secondary Lock			
		Seal			
		Mating Connector			
		Extraction Tool			
		Crimp Tool			
		Cavity Plug			
		Boots/Caps			

ONE-POSITION CONNECTORS

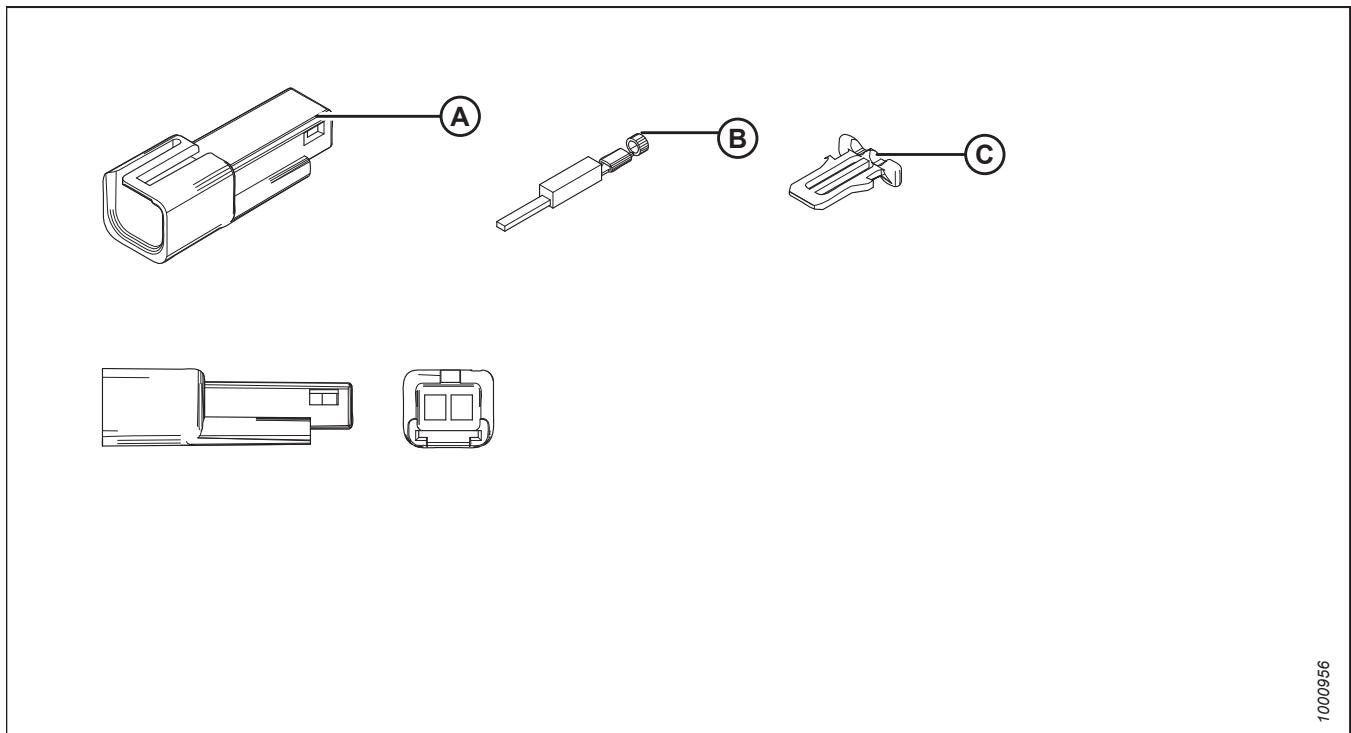
2.6



	MacDon Part #	Description	Manufacturer	Series	Manufacturer Part #
A		Connector – Set, Doorswitch	Waytek		52-622
		Terminal			
		Lock			
		Secondary Lock			
		Seal			
		Mating Connector			
		Extraction Tool			
		Crimp Tool			
		Cavity Plug			
		Boots/Caps			

Chapter 3: Two-Position Connectors

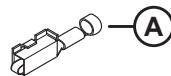
3.1



	MacDon Part #	Description	Manufacturer	Series	Manufacturer Part #	
A		Connector – Receptacle (16–24 ga)	Delphi	M/P 150	12047663	
B	134123	Terminal – Pin (16–18 ga)	Delphi	M/P 150	12047581	
C	134124	Lock	Delphi	M/P 150	12047665	
		Mating Connector	12047662			
	134158	Extraction Tool	12094429			
		Crimp Tool	Rennsteig HT21501459-1			

TWO-POSITION CONNECTORS

3.2

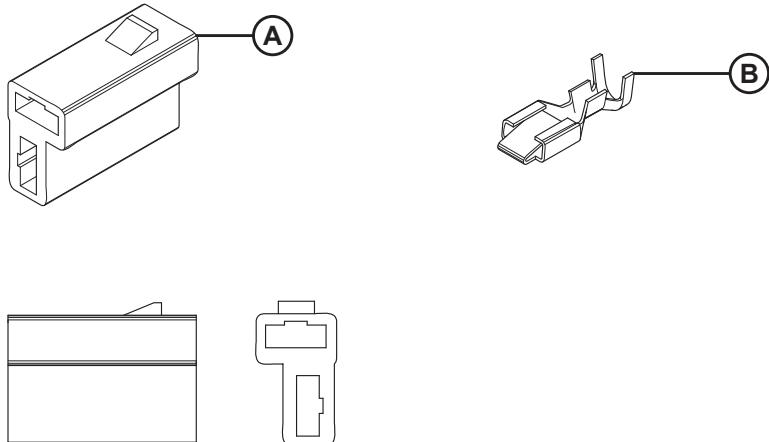


1000957

	MacDon Part #	Description	Manufacturer	Series	Manufacturer Part #	
		Connector – Plug (16–24 ga)	Delphi	M/P 150	12047662	
A	134139	Terminal – Socket (16–24 ga)	Delphi	M/P 150	12047767	
	Mating Connector		12047663			
	Extraction Tool					
	Crimp Tool					

TWO-POSITION CONNECTORS

3.3

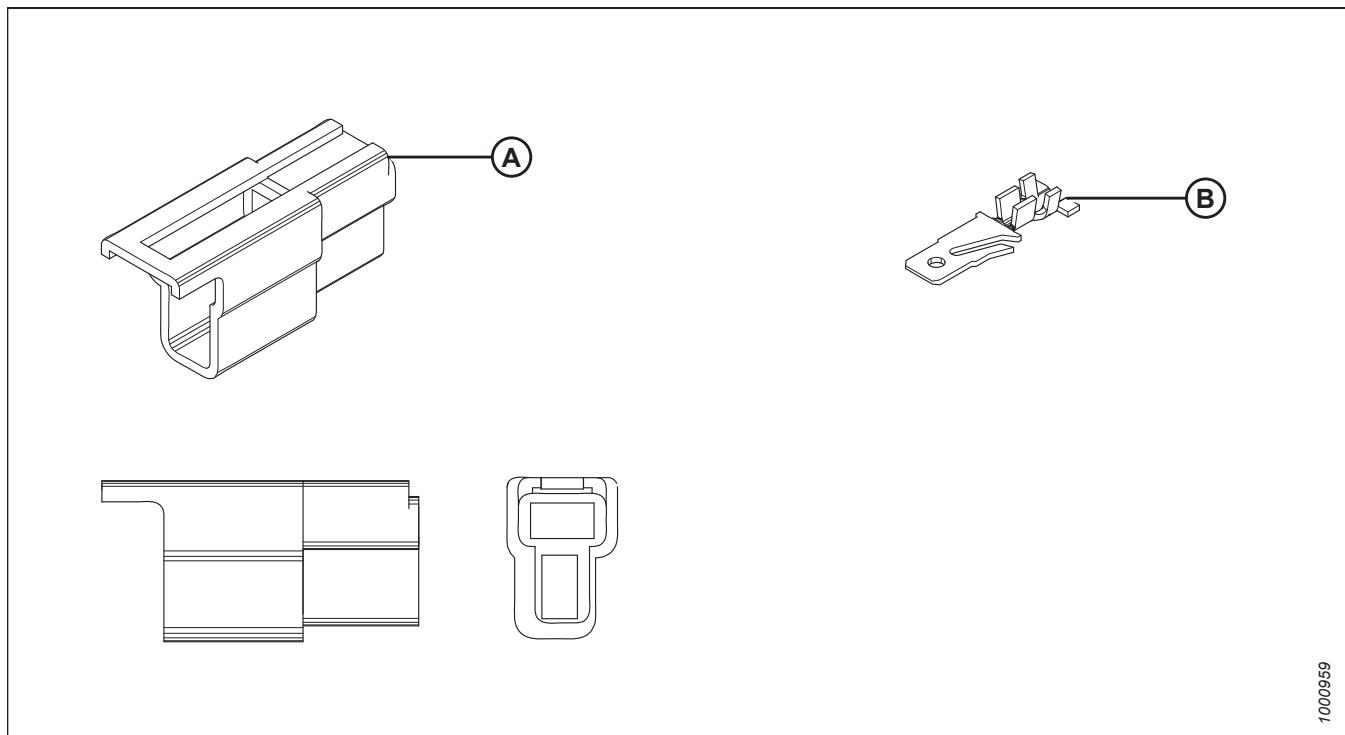


1000958

	MacDon Part #	Description	Manufacturer	Series	Manufacturer Part #
A		Connector – Plug (12–18 ga)	Delphi	56	2973781
B	134112	Terminal – Receptacle (12–18 ga)	Delphi	56	12124517
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134159		Mating Connector	2984883		
	134159	Extraction Tool	12094430		
		Crimp Tool			

TWO-POSITION CONNECTORS

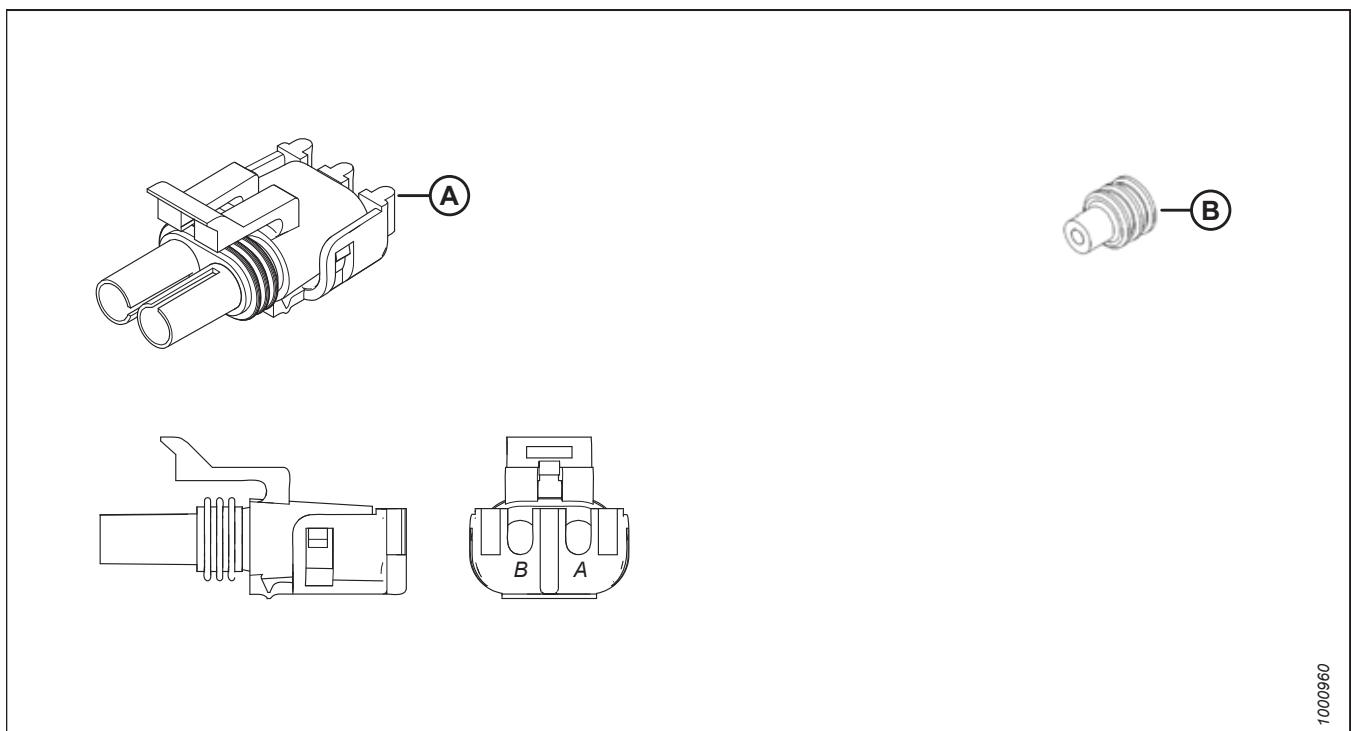
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	MacDon Part #	Description	Manufacturer	Series	Manufacturer Part #
A		Connector – Receptacle (12–18 ga)	Delphi	56	2984883
B		Terminal – Tab	Delphi	56	2977994
		Terminal – Tab (14–20 ga)	Delphi	56	2971962
		Mating Connector	2973781		
		Extraction Tool			
		Crimp Tool	12085271, 06285847, 8913440, PA-1306, OBT-1028CT		

TWO-POSITION CONNECTORS

3.5

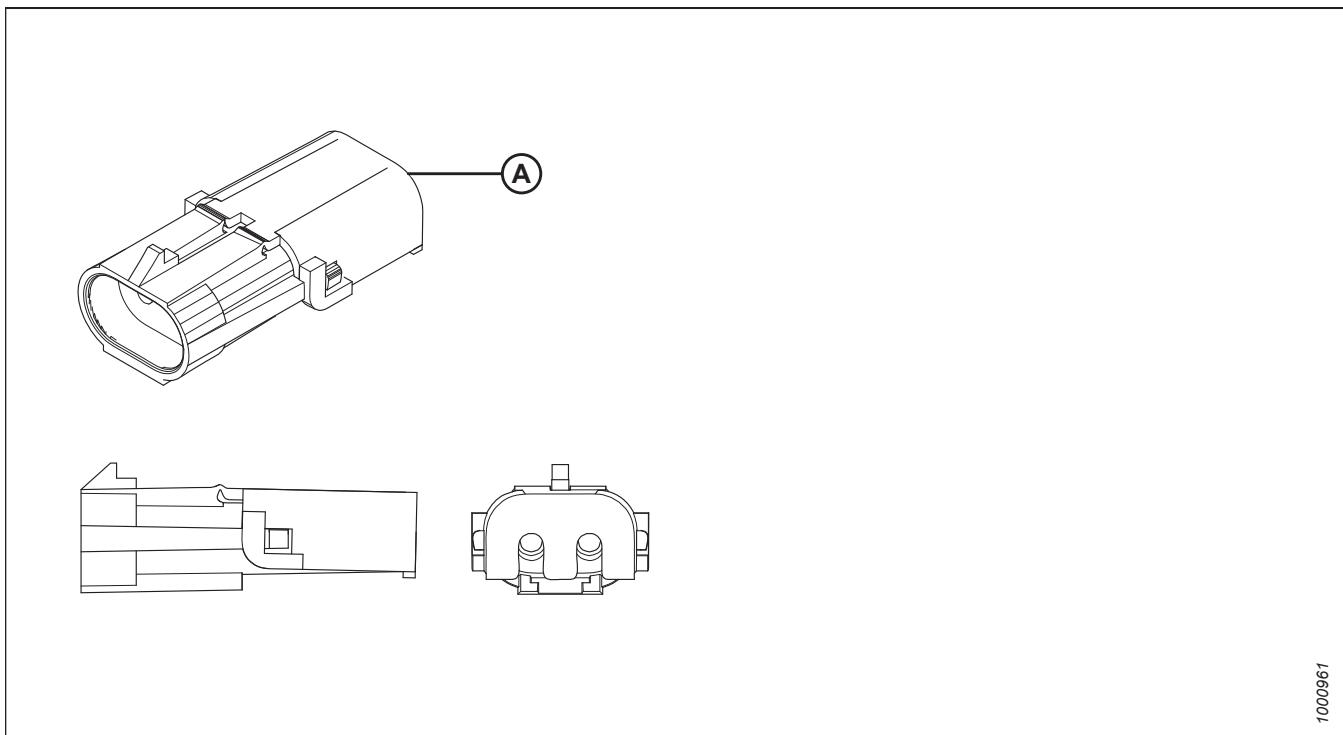


1000960

	MacDon Part #	Description	Manufacturer	Series	Manufacturer Part #		
A		Connector – Plug (14–20 ga)	Delphi	W/P	12015792		
	30473	Terminal – Socket (14–16 ga)	Delphi	W/P	12124582		
B		Seal – Wire (Green)	Delphi	W/P	15324982		
	134190	Mating Connector	12010973				
	134160	Extraction Tool	12014012				
		Crimp Tool	HT31012451-1 (Rennsteig)				

TWO-POSITION CONNECTORS

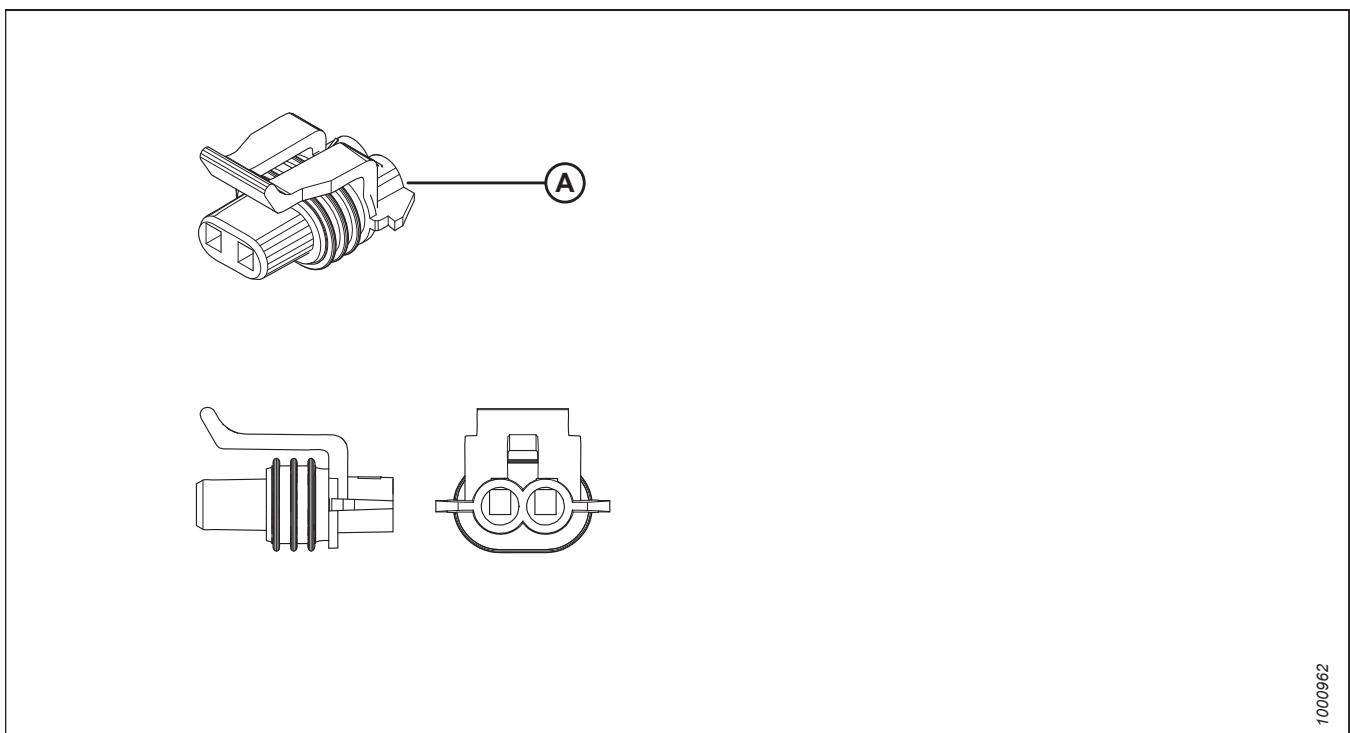
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	MacDon Part #	Description	Manufacturer	Series	Manufacturer Part #
A	134190	Connector – Plug (14–20 ga)	Delphi	W/P	12010973
	30471	Terminal – Socket (14–16 ga)	Delphi	W/P	12124580
		Seal – Wire (Green)	Delphi	W/P	15324982
		Mating Connector	12015792		
	134160	Extraction Tool	12014012		
		Crimp Tool			

TWO-POSITION CONNECTORS

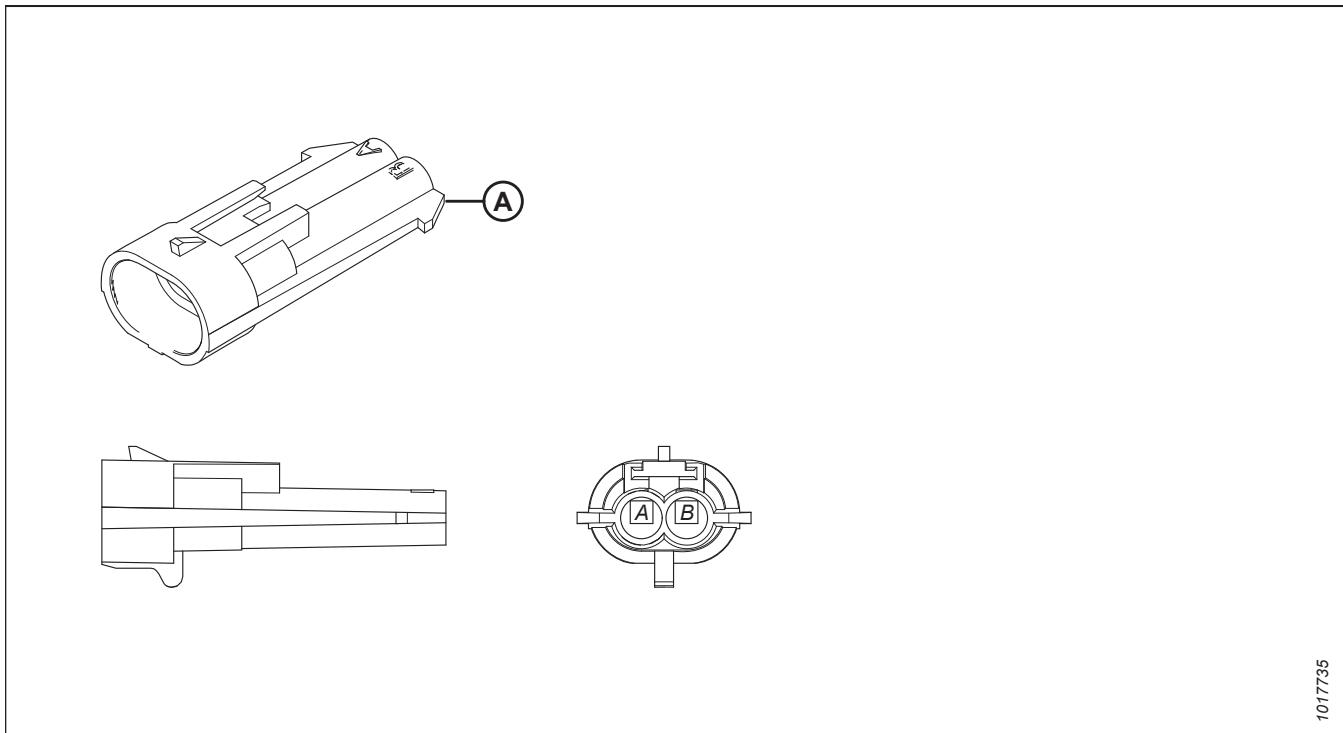
3.7



	MacDon Part #	Description	Manufacturer	Series	Manufacturer Part #	
A		Connector – Plug (16–24 ga)	Delphi	M/P 150	12052641	
	134120	Terminal – Socket (16–18 ga)	Delphi	M/P 150	12160223	
	134121	Seal – Wire (Red)	Delphi	M/P 150	15324973	
		Mating Connector	12162000			
	134158	Extraction Tool	12094429			
		Crimp Tool				

TWO-POSITION CONNECTORS

3.8

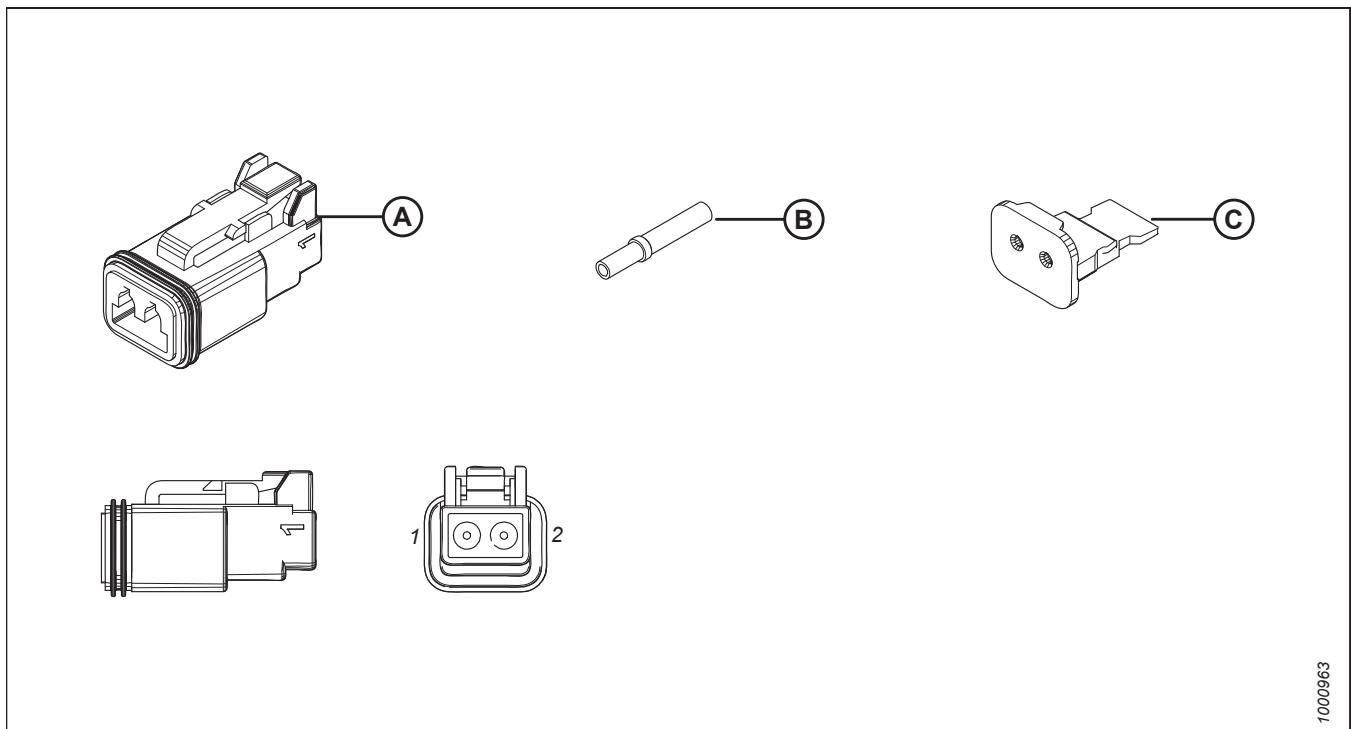


1017735

	MacDon Part #	Description	Manufacturer	Series	Manufacturer Part #
A		Connector – Receptacle (14–20 ga)	Delphi	M/P 150	12162000
		Terminal – Pin (16–20 ga)	Delphi	M/P 150	15344866
		Terminal – Pin	Delphi		12077628 12177150
		Lock			12052634
		Seal			15324973, 15324976, 15324974, 12048087
		Plug – Cavity			12059168
		Mating Connector		12052641	
		Extraction Tool		12094429	
		Crimp Tool			

TWO-POSITION CONNECTORS

3.9

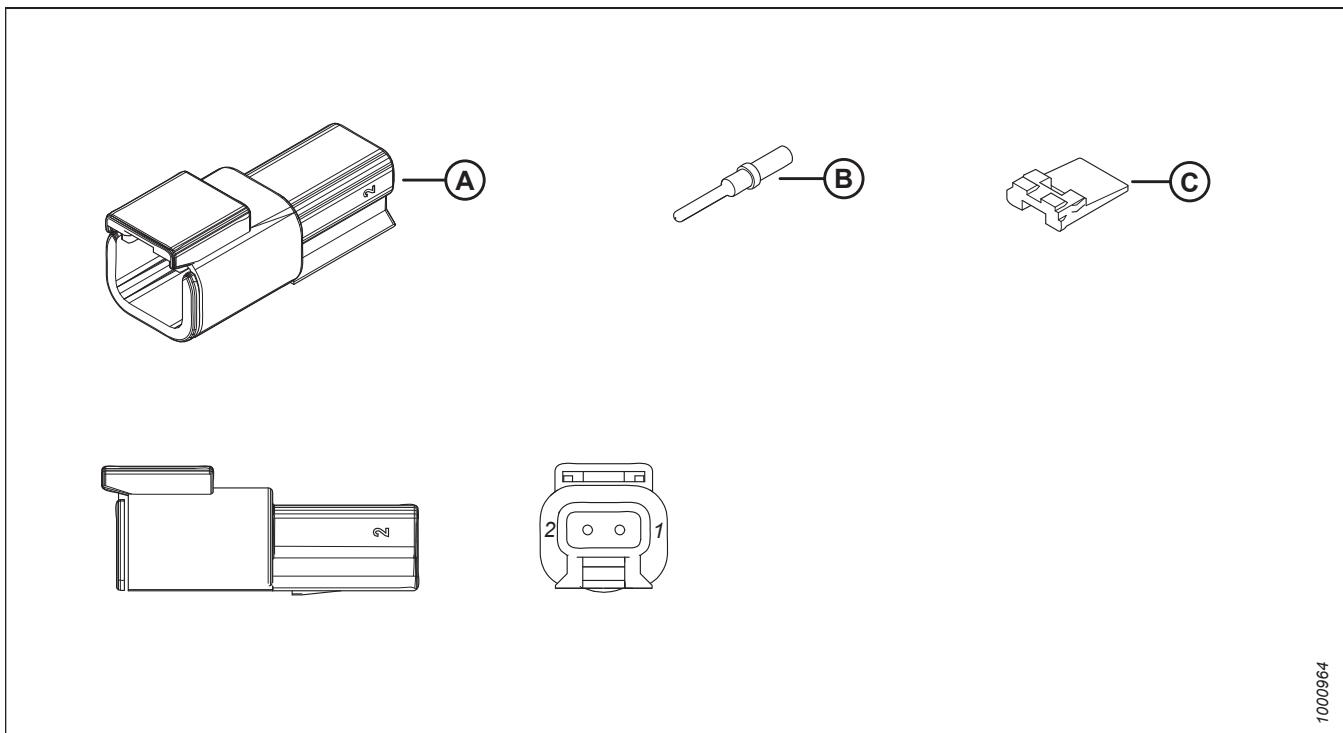


1000963

	MacDon Part #	Description	Manufacturer	Series	Manufacturer Part #
A	134029	Connector – Plug (16–24 ga)	Deutsch	DT	DT06-2S-P012
B	134026	Terminal – Socket (16–18 ga)	Deutsch	Size 16	0462-201-16141
C	134031	Lock	Deutsch	DT	W2S-P012
	134028	Mating Connector	DT04-2P		
		Extraction Tool			
	134015	Crimp Tool	HDT-48-00		

TWO-POSITION CONNECTORS

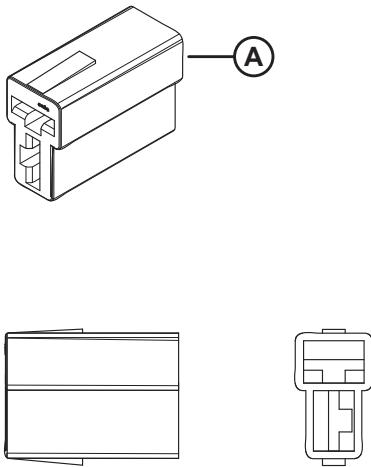
3.10



	MacDon Part #	Description	Manufacturer	Series	Manufacturer Part #
A	134028	Connector – Receptacle (16–24 ga)	Deutsch	DT	DT04-2P
B	134023	Terminal – Pin (16–18 ga)	Deutsch	Size 16	0460-202-16141
C	134030	Lock	Deutsch	DT	W2P
			DT06-2S-P012		
	134029	Mating Connector			
		Extraction Tool			
	134015	Crimp Tool	HDT-48-00		

TWO-POSITION CONNECTORS

3.11

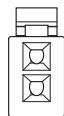
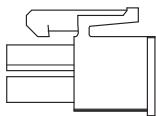
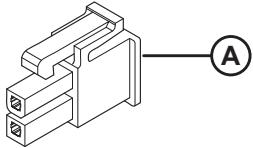


1007853

	MacDon Part #	Description	Manufacturer	Series	Manufacturer Part #
A		Connector – Plug	Tyco		180907-5
		Terminal – Pin	Tyco		42100-2 42281-1
		Mating Connector			
		Extraction Tool			
		Crimp Tool			

TWO-POSITION CONNECTORS

3.12

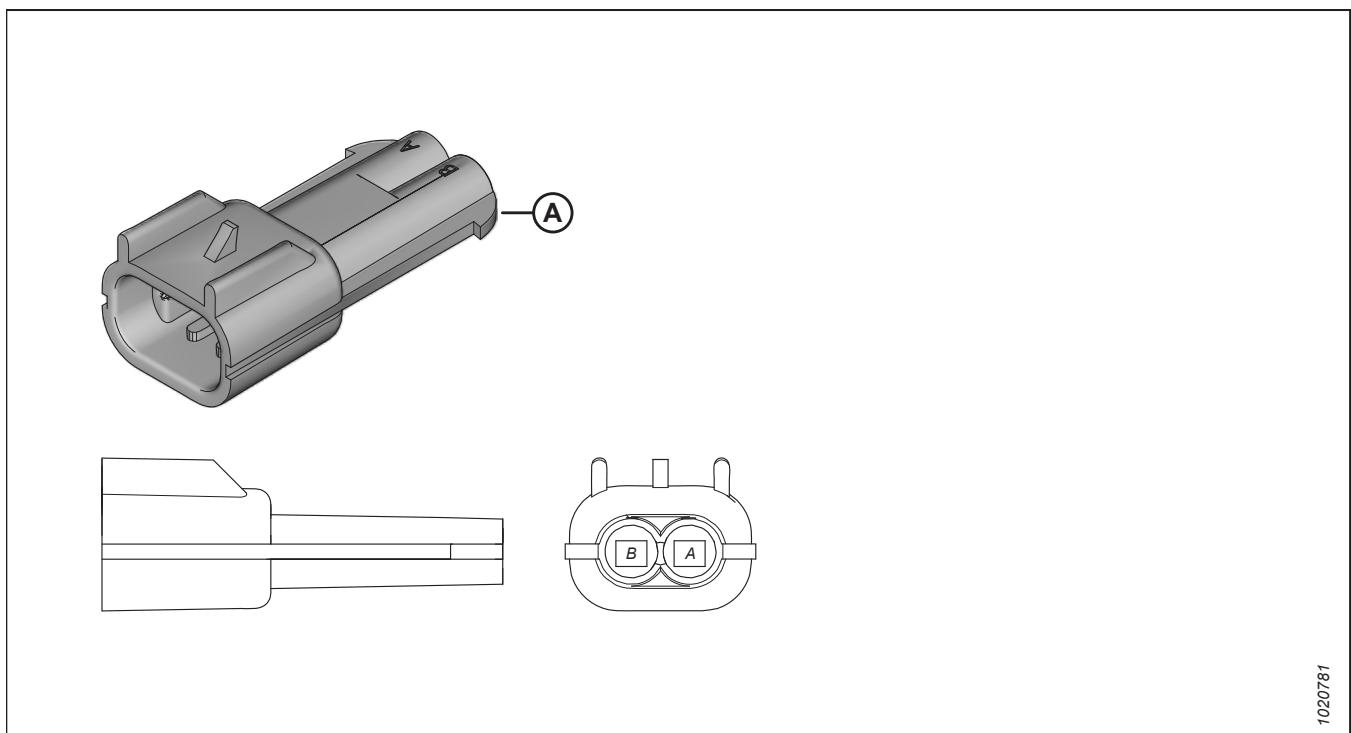


1017847

	MacDon Part #	Description	Manufacturer	Series	Manufacturer Part #	
A	135675	Connector – Plug	Molex	5557	39-01-3022	
		Terminal – Socket (18–24 ga)	Molex	5556	39-00-0038	
		Terminal – Socket (16 ga)	Molex	5556	39-00-0077	
		Mating Connector	Molex 39-01-2021, 39-01-3023			
		Extraction Tool				
		Crimp Tool				

TWO-POSITION CONNECTORS

3.13

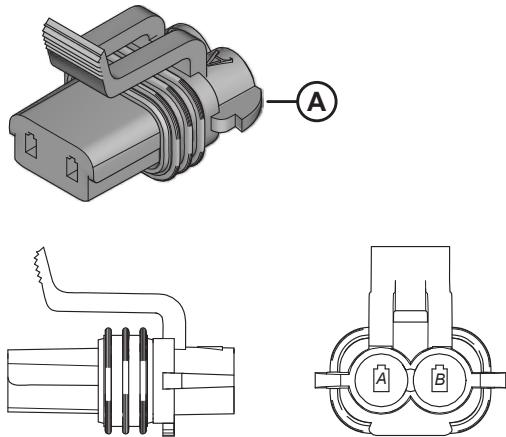


1020781

	MacDon Part #	Description	Manufacturer	Series	Manufacturer Part #
A		Connector – Receptacle	Delphi	Metri-Pack 280	15300002
		Terminal			12124977, 12048254, 12048159, 12129497
		Lock			
		Secondary Lock			15344855, 15300014
		Seal			
		Mating Connector	12162693, 12162694, 15300008, 15300027, 15332187, 15396053		
		Extraction Tool			
		Crimp Tool			
		Cavity Plug			
		Boots/Caps			

TWO-POSITION CONNECTORS

3.14

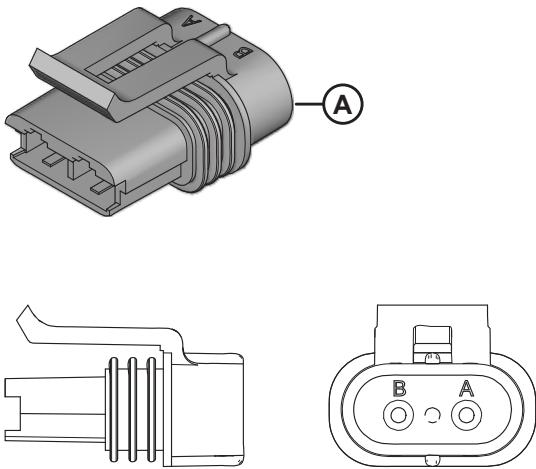


1020782

	MacDon Part #	Description	Manufacturer	Series	Manufacturer Part #
A		Connector – Plug	Delphi		15300027
		Terminal			12077411, 12077412, 12077413, 12066214, 12084201, 12176387, 12176388, 12176389, 12176390, 12129493
		Lock			
		Secondary Lock			15300014
		Seal			15300020
		Mating Connector			15300032, 15300002, 15417946
		Extraction Tool			
		Crimp Tool			
		Cavity Plug			
		Boots/Caps			

TWO-POSITION CONNECTORS

3.15

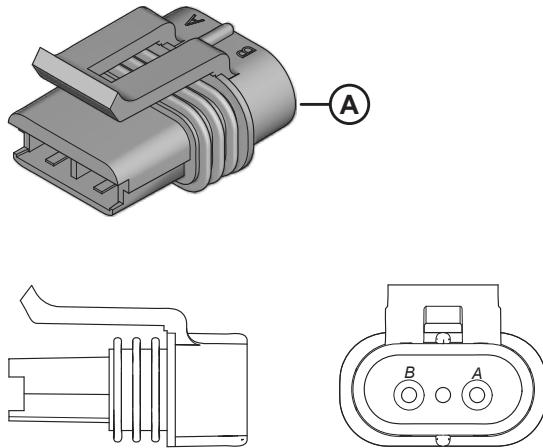


1020780

	MacDon Part #	Description	Manufacturer	Series	Manufacturer Part #
A		Connector – Plug	Delphi		12085030
		Terminal			12033997, 12066614, 12020156
		Lock			
		Secondary Lock			
		Cable Seal – Light Green			12085024
		Mating Connector			12110539
		Extraction Tool			12094429
		Crimp Tool			
		Cavity Plug			
		Boots/Caps			12146104, 12033731

TWO-POSITION CONNECTORS

3.16

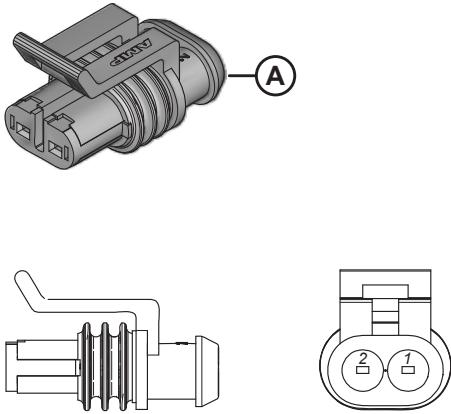


1020779

	MacDon Part #	Description	Manufacturer	Series	Manufacturer Part #
A		Connector – Plug	Delphi		12066681
		Terminal			12033997, 12066614, 12020156
		Lock			
		Secondary Lock			
		Cable Seal – Light Gray			12066680
		Mating Connector		12110539	
		Extraction Tool		12094429	
		Crimp Tool			
		Cavity Plug			
		Boots/Caps		12146104, 12033731	

TWO-POSITION CONNECTORS

3.17

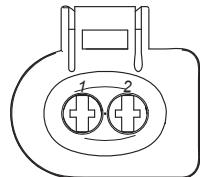
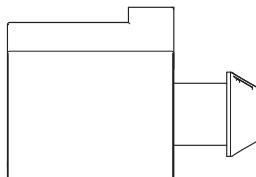
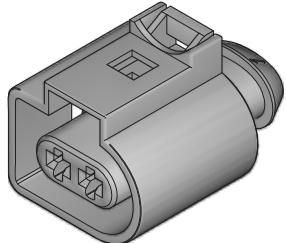


1020787

	MacDon Part #	Description	Manufacturer	Series	Manufacturer Part #
A		Connector – Plug	Tyco		282080-1
		Terminal			282110-1, 282403-1, 282466-1
		Lock			
		Secondary Lock			
		Seal			281934
		Mating Connector		282104	
		Extraction Tool			
		Crimp Tool			
		Cavity Plug		282081-1	
		Boots/Caps			

TWO-POSITION CONNECTORS

3.18

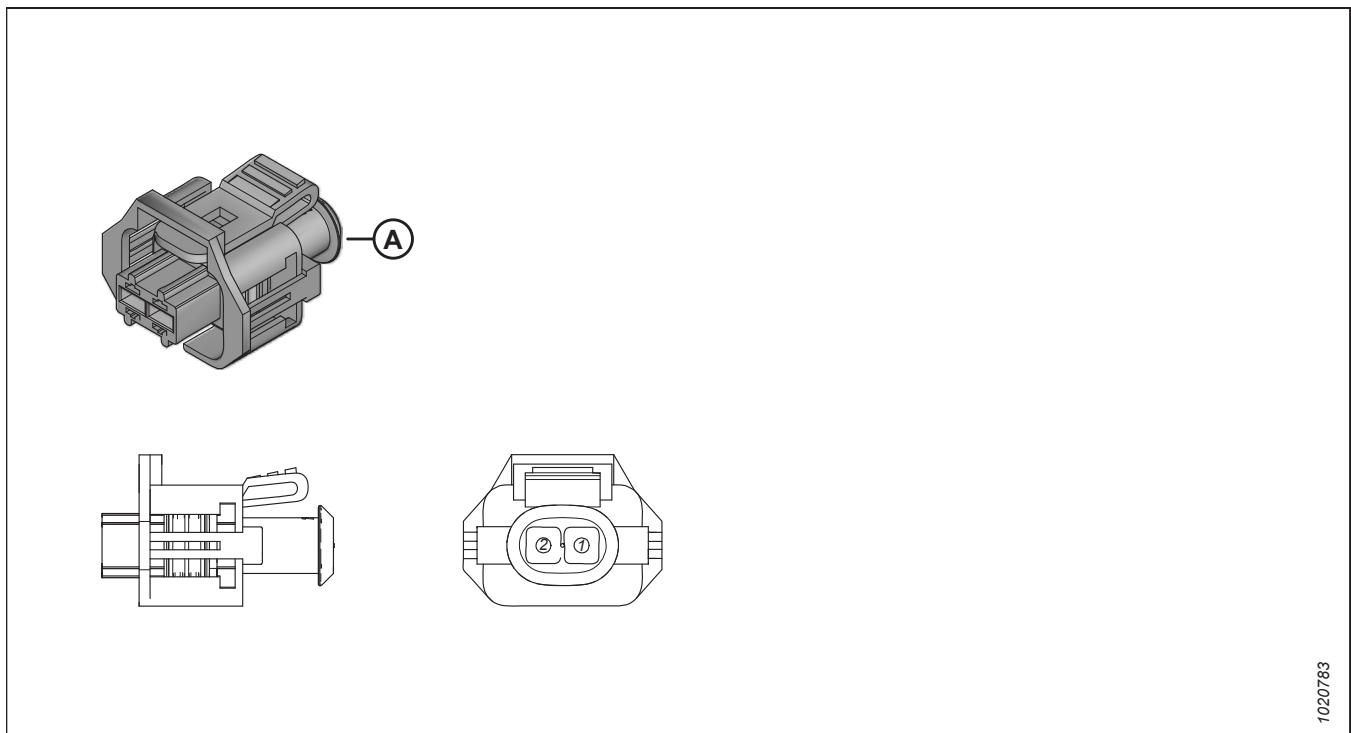


1020784

	MacDon Part #	Description	Manufacturer	Series	Manufacturer Part #
A		Connector – Plug	Tyco		1-1355200-1
		Terminal			
		Lock			
		Secondary Lock			
		Seal			
		Mating Connector			
		Extraction Tool			
		Crimp Tool			
		Cavity Plug			
		Boots/Caps			

TWO-POSITION CONNECTORS

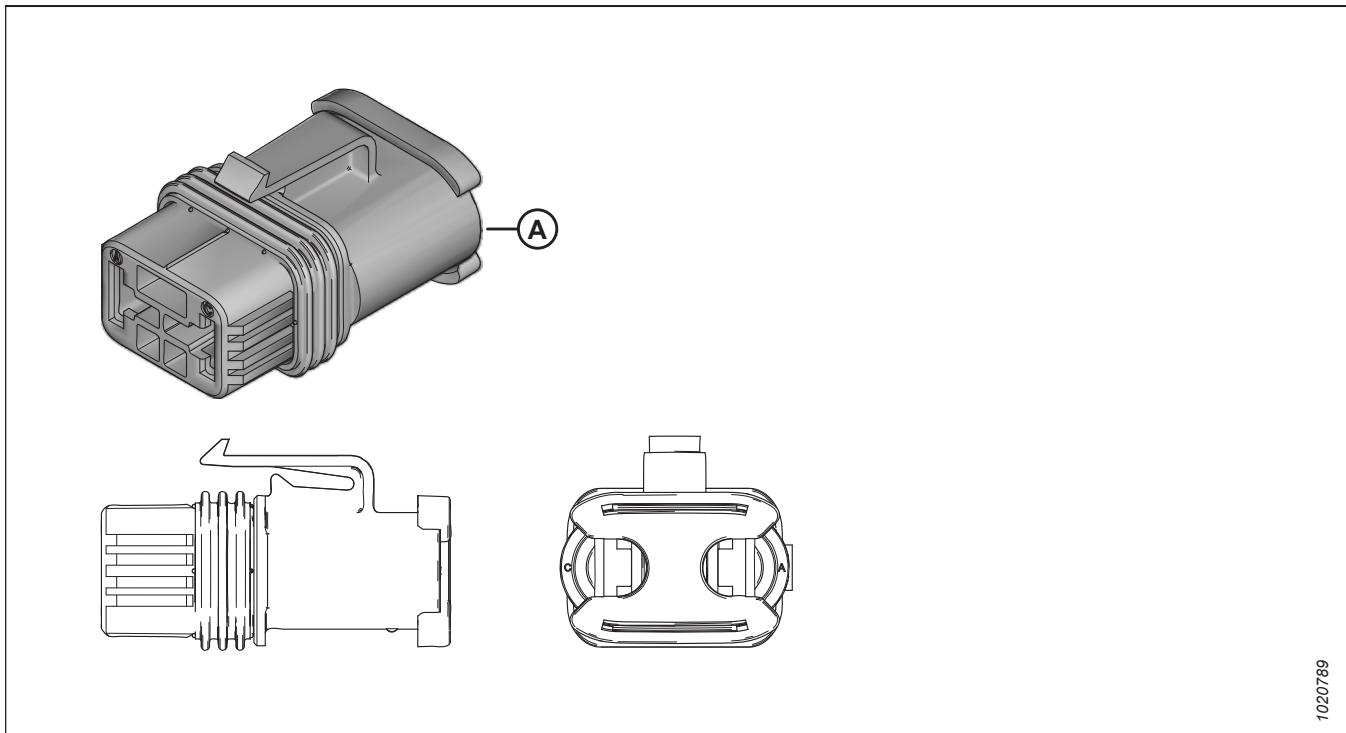
3.19



	MacDon Part #	Description	Manufacturer	Series	Manufacturer Part #
A		Connector – Plug	Bosch		92840387
		Terminal			
		Lock			
		Secondary Lock			
		Seal			
		Mating Connector			
		Extraction Tool			
		Crimp Tool			
		Cavity Plug			
		Boots/Caps			

TWO-POSITION CONNECTORS

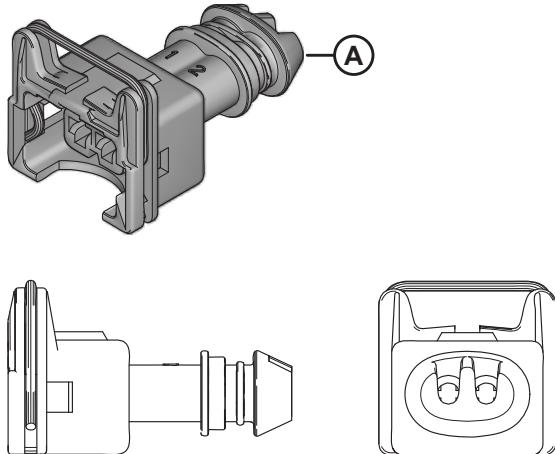
3.20



	MacDon Part #	Description	Manufacturer	Series	Manufacturer Part #
A		Connector – Plug (BLACK)	Cooper Bussmann	32000	32004-A2
		Terminal		Female Terminal Delphi Packard 800 Metri-Pack®	
		Lock			32004-TP2
		Secondary Lock			
		Seal			12129381
		Mating Connector			
		Extraction Tool			
		Crimp Tool			
		Cavity Plug			
		Boots/Caps			

TWO-POSITION CONNECTORS

3.21

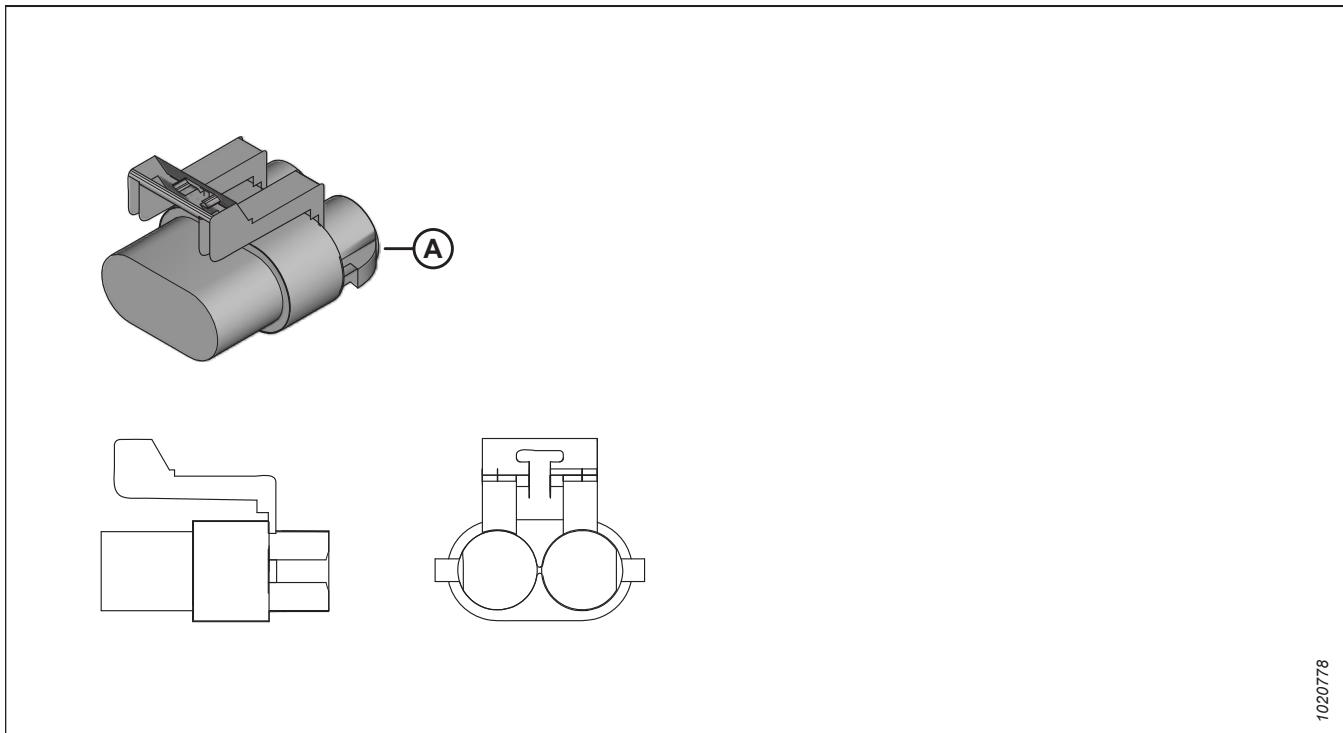


1020788

	MacDon Part #	Description	Manufacturer	Series	Manufacturer Part #
A		Connector – Receptacle	Tyco		282189-1
		Terminal			
		Lock			
		Secondary Lock			
		Seal			
		Mating Connector			
		Extraction Tool			
		Crimp Tool			
		Cavity Plug			
		Boots/Caps			

TWO-POSITION CONNECTORS

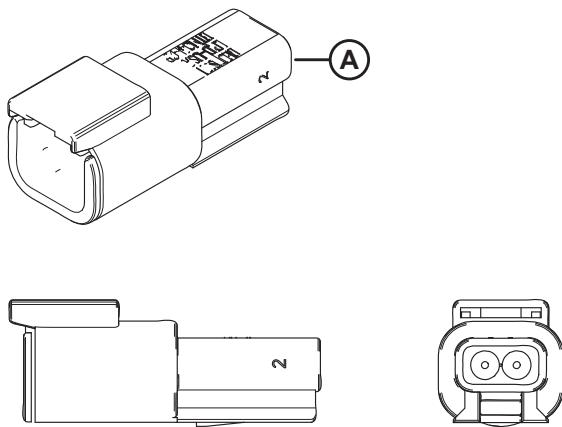
3.22



	MacDon Part #	Description	Manufacturer	Series	Manufacturer Part #
A		Connector – Plug	Delphi		12052613
		Terminal			
		Lock			
		Secondary Lock			
		Seal			
		Mating Connector			
		Extraction Tool			
		Crimp Tool			
		Cavity Plug			
		Boots/Caps			

TWO-POSITION CONNECTORS

3.23

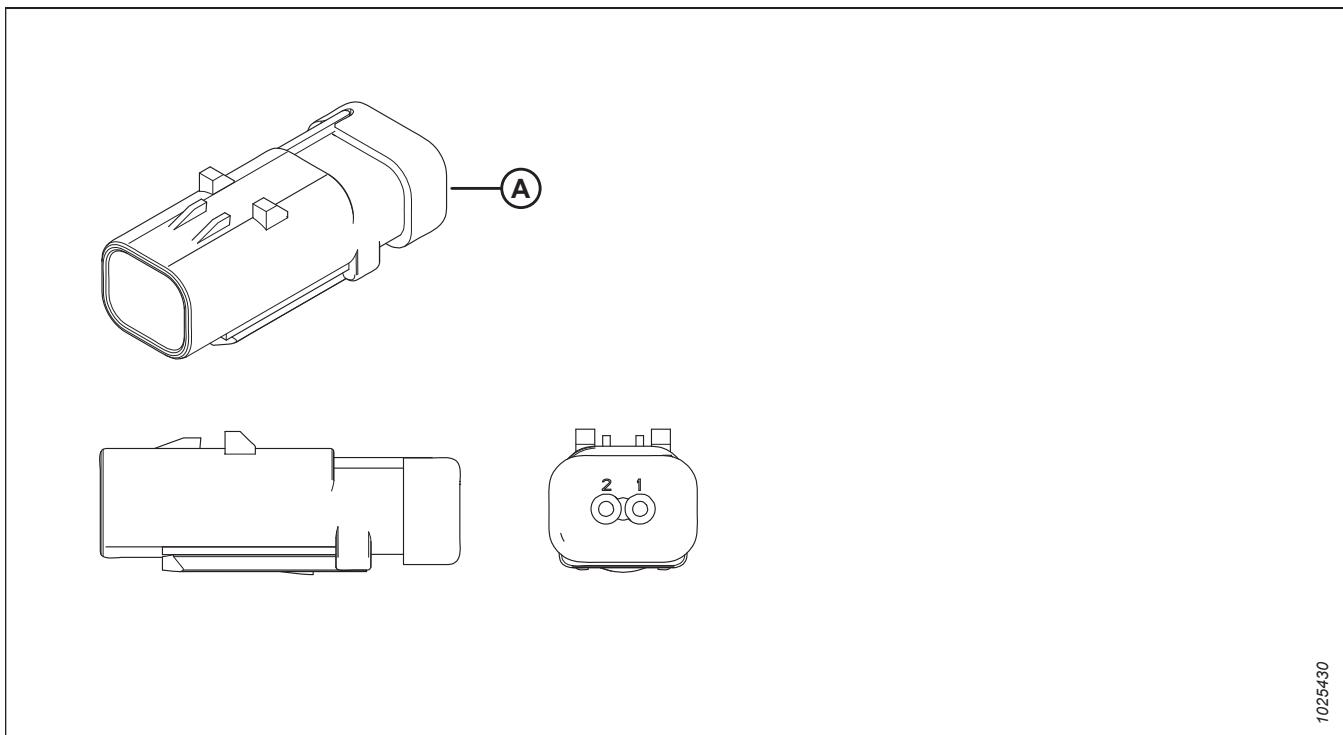


1025429

	MacDon Part #	Description	Manufacturer	Series	Manufacturer Part #
A		Connector – Receptacle	Deutsch	DT	DTM04-2P
		Terminal			0460-202-20141, 0460-202-2031
		Lock			WM-2P
		Secondary Lock			
		Seal			
		Mating Connector		DTM06-2S	
		Extraction Tool		DT-RT1	
		Crimp Tool			
		Cavity Plug			
		Boots/Caps		DTM2P-BT	

TWO-POSITION CONNECTORS

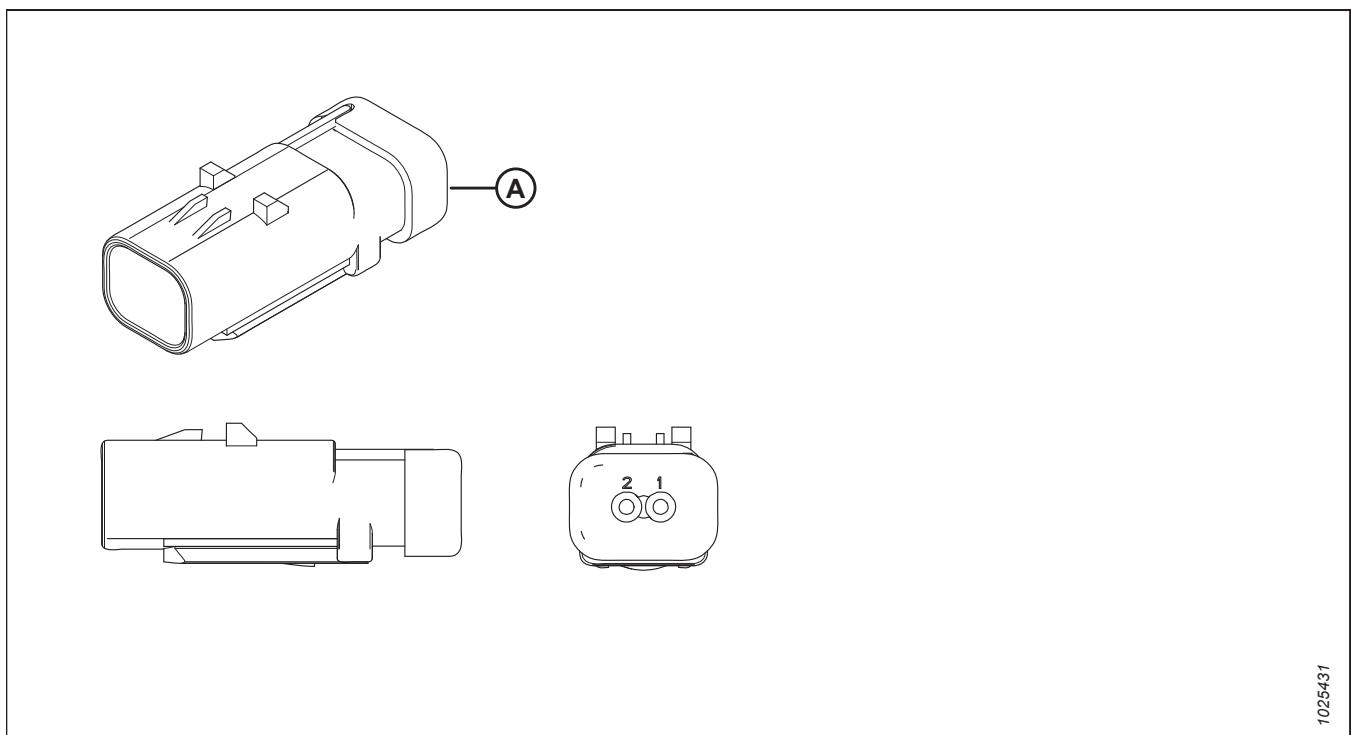
3.24



	MacDon Part #	Description	Manufacturer	Series	Manufacturer Part #
A		Connector – Receptacle (RED Insert)	Tyco	Ampseal 16	776428-1
		Terminal			638078, 638112, 2098252,
		Lock			
		Secondary Lock			
		Seal			
		Mating Connector			
		Extraction Tool			776441-1
		Crimp Tool			
		Cavity Plug			776363-1
		Boots/Caps			1326978, 2035047, 2035366, 2292860, 2302481

TWO-POSITION CONNECTORS

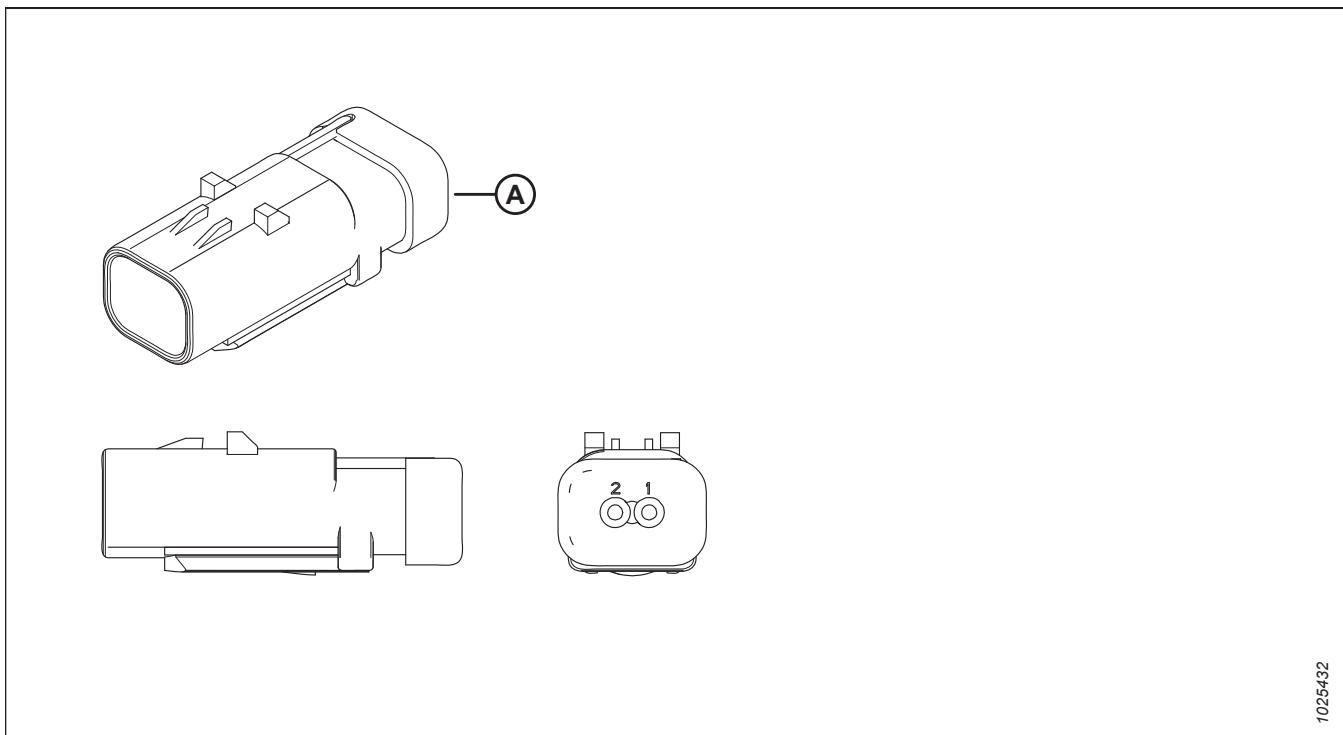
3.25



	MacDon Part #	Description	Manufacturer	Series	Manufacturer Part #
A		Connector – Receptacle (GRAY Insert)	Tyco	Ampseal 16	776428-2
		Terminal			638078, 638112, 2098252
		Lock			
		Secondary Lock			
		Seal			
		Mating Connector			
		Extraction Tool		776441-1	
		Crimp Tool			
		Cavity Plug		776363-1	
		Boots/Caps		1326978, 2035047, 2035366, 2292860, 2302481	

TWO-POSITION CONNECTORS

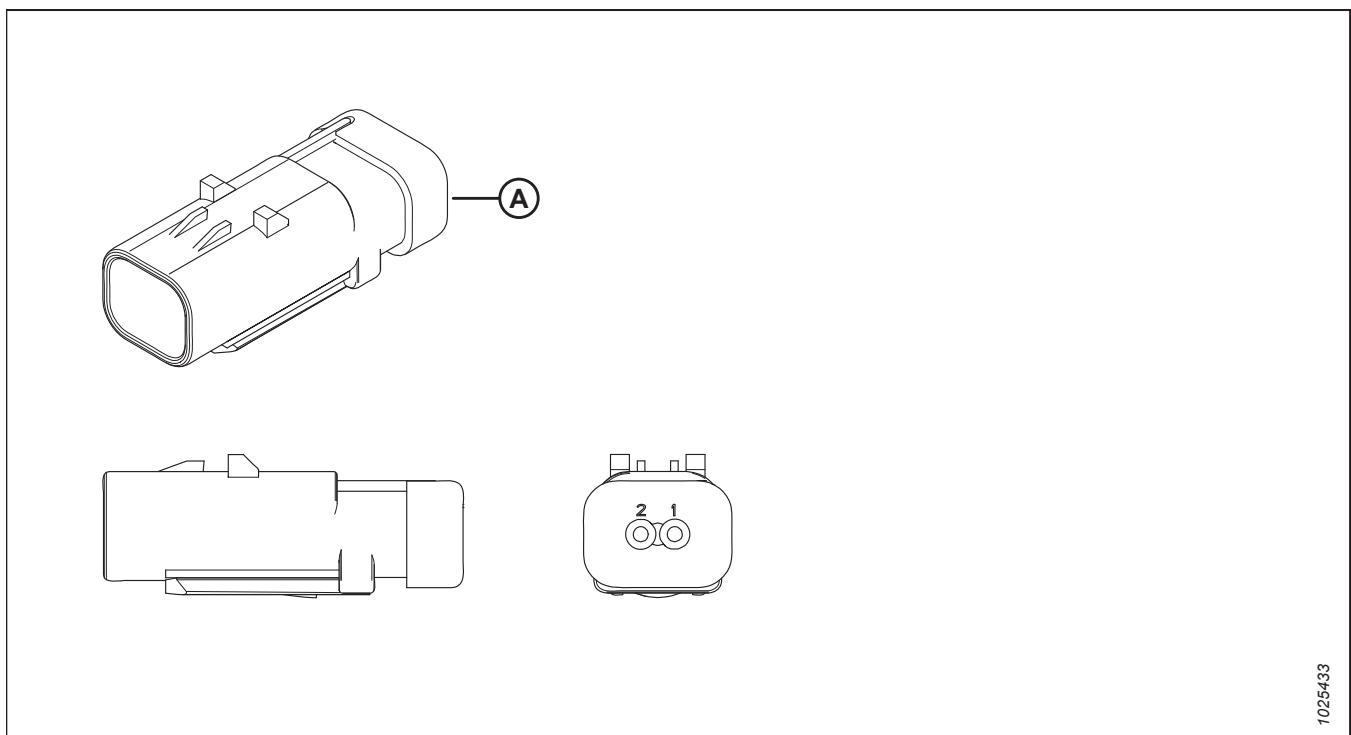
3.26



	MacDon Part #	Description	Manufacturer	Series	Manufacturer Part #
A		Connector – Receptacle (YELLOW Insert)	Tyco	Ampseal 16	776428-3
		Terminal			638078, 638112, 2098252
		Lock			
		Secondary Lock			
		Seal			
		Mating Connector			
		Extraction Tool		776441-1	
		Crimp Tool			
		Cavity Plug		776363-1	
		Boots/Caps			1326978, 2035047, 2035366, 2292860, 2302481

TWO-POSITION CONNECTORS

3.27

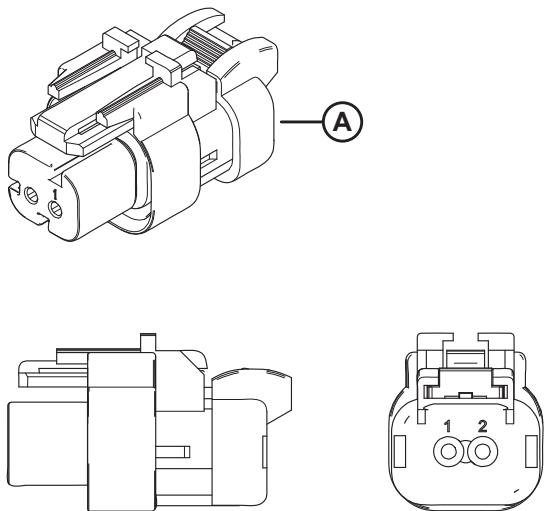


1025433

	MacDon Part #	Description	Manufacturer	Series	Manufacturer Part #
A		Connector – Receptacle (GREEN Insert)	Tyco	Ampseal 16	776428-4
		Terminal			638078, 638112, 2098252
		Lock			
		Secondary Lock			
		Seal			
		Mating Connector			
		Extraction Tool		776441-1	
		Crimp Tool			
		Cavity Plug		776363-1	
		Boots/Caps		1326978, 2035047, 2035366, 2292860, 2302481	

TWO-POSITION CONNECTORS

3.28

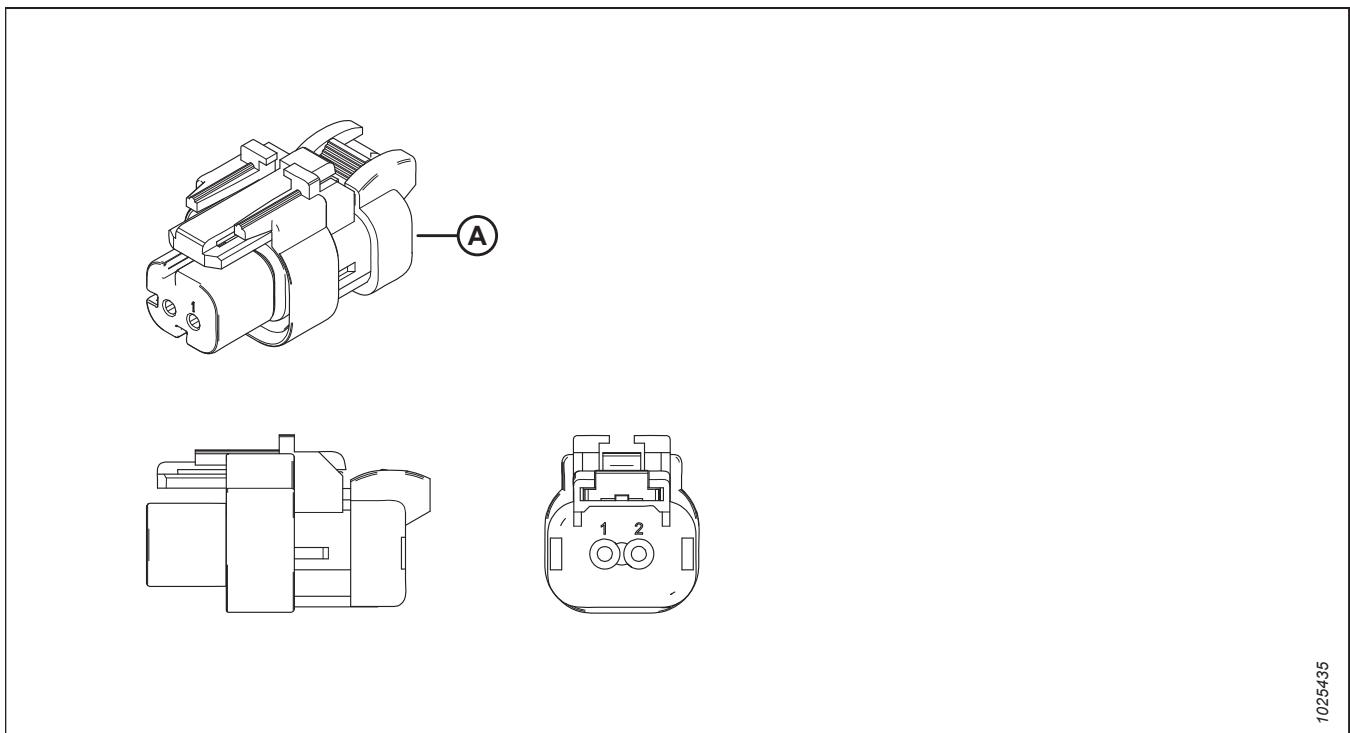


1025434

	MacDon Part #	Description	Manufacturer	Series	Manufacturer Part #
A		Connector – Plug (RED Insert)	Tyco	Ampseal 16	776522-1
		Terminal			1924464, 2098251
		Lock			
		Secondary Lock			
		Seal			2040594-1
		Mating Connector			
		Extraction Tool		776441-1	
		Crimp Tool			
		Cavity Plug		776364-1	
		Boots/Caps		1326978, 2035047, 2035366, 2040594, 2292797, 2302488	

TWO-POSITION CONNECTORS

3.29

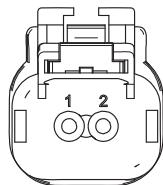
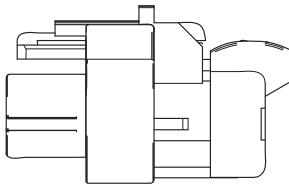
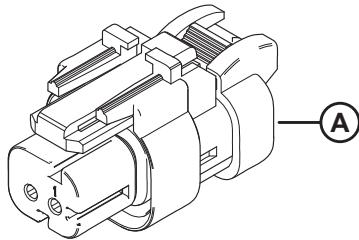


1025435

	MacDon Part #	Description	Manufacturer	Series	Manufacturer Part #
A		Connector – Plug (GRAY Insert)	Tyco	Ampseal 16	776522-2
		Terminal			1924464, 2098251
		Lock			
		Secondary Lock			
		Seal			2040594-1
		Mating Connector			
		Extraction Tool		776441-1	
		Crimp Tool			
		Cavity Plug		776364-1	
		Boots/Caps		1326978, 2035047, 2035366, 2040594, 2292797, 2302488	

TWO-POSITION CONNECTORS

3.30

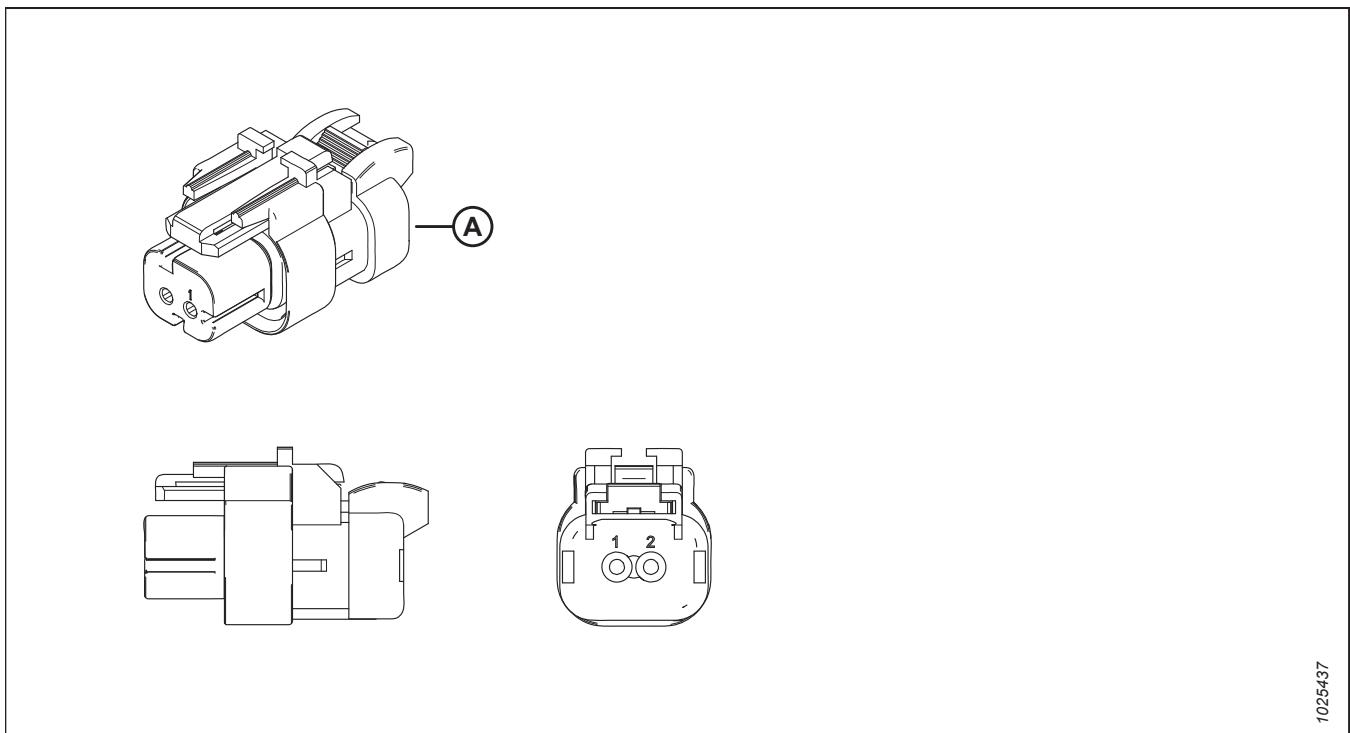


1025436

	MacDon Part #	Description	Manufacturer	Series	Manufacturer Part #
A		Connector – Plug (YELLOW Insert)	Tyco	Ampseal 16	776522-3
		Terminal			1924464, 2098251
		Lock			
		Secondary Lock			
		Seal			2040594-1
		Mating Connector			
		Extraction Tool		776441-1	
		Crimp Tool			
		Cavity Plug		776364-1	
		Boots/Caps		1326978, 2035047, 2035366, 2040594, 2292797, 2302488	

TWO-POSITION CONNECTORS

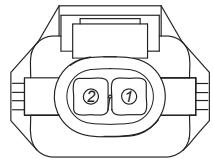
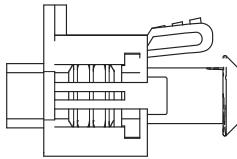
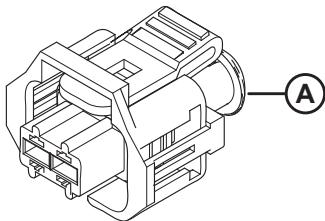
3.31



	MacDon Part #	Description	Manufacturer	Series	Manufacturer Part #
A		Connector – Plug (GREEN Insert)	Tyco	Ampseal 16	776522-4
		Terminal			1924464, 2098251
		Lock			
		Secondary Lock			
		Seal			2040594-1
		Mating Connector			
		Extraction Tool		776441-1	
		Crimp Tool			
		Cavity Plug		776364-1	
		Boots/Caps		1326978, 2035047, 2035366, 2040594, 2292797, 2302488	

TWO-POSITION CONNECTORS

3.32

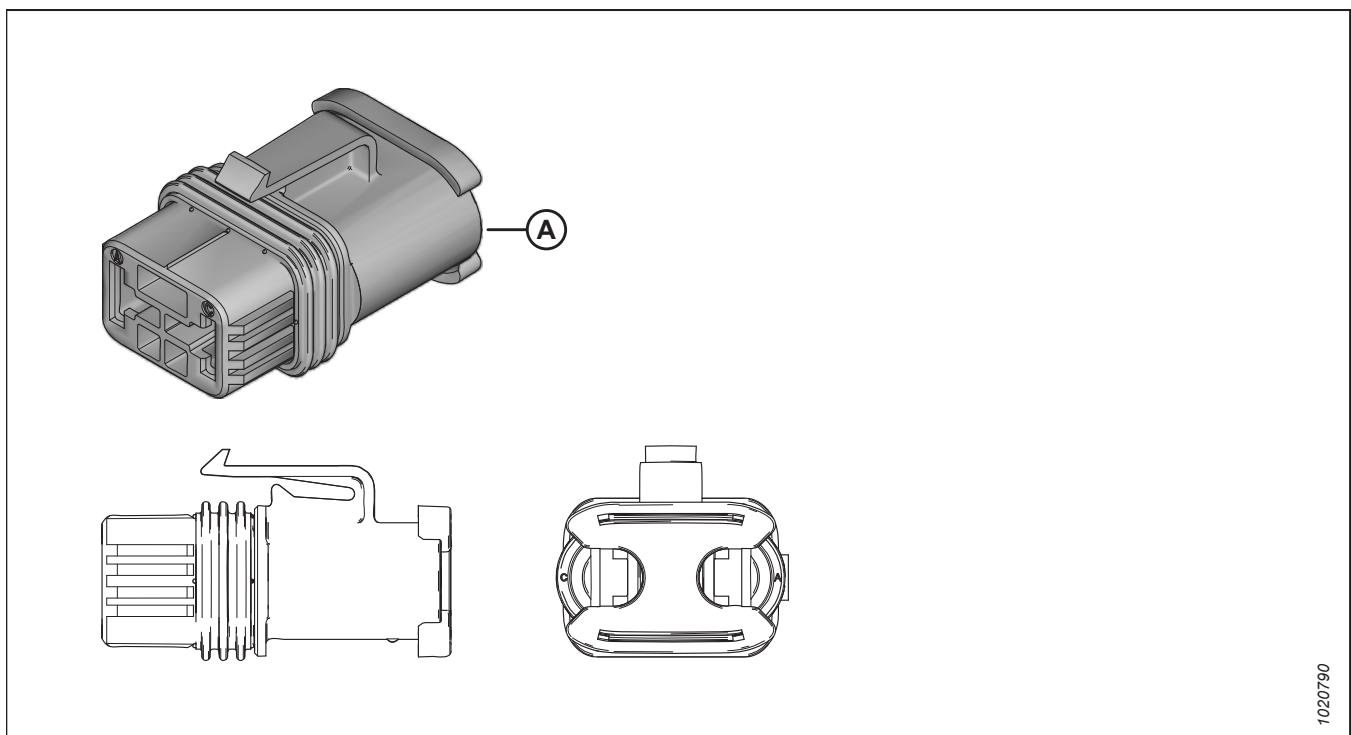


1025438

	MacDon Part #	Description	Manufacturer	Series	Manufacturer Part #
A		Connector – Plug	Bosch		928404-655
		Terminal			1928498054, 1928498056, 1928498057
		Lock			
		Secondary Lock			
		Seal			1928300599, 1928300600, 1928300601
		Mating Connector		1928404226	
		Extraction Tool		Bosch BDK / BSK 2.8	
		Crimp Tool			
		Cavity Plug			
		Boots/Caps			

TWO-POSITION CONNECTORS

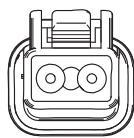
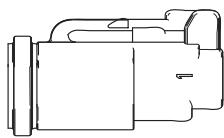
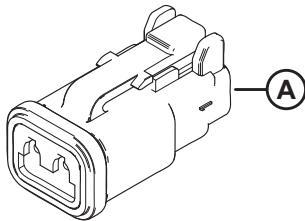
3.33



	MacDon Part #	Description	Manufacturer	Series	Manufacturer Part #
A		Connector – Plug (GRAY)	Cooper Bussmann	32000	32004-B2
		Terminal		Female Terminal Delphi Packard 800 Metri-Pack®	
		Lock			32004-TP2
		Secondary Lock			
		Seal			12129381
		Mating Connector			
		Extraction Tool			
		Crimp Tool			
		Cavity Plug			
		Boots/Caps			

TWO-POSITION CONNECTORS

3.34

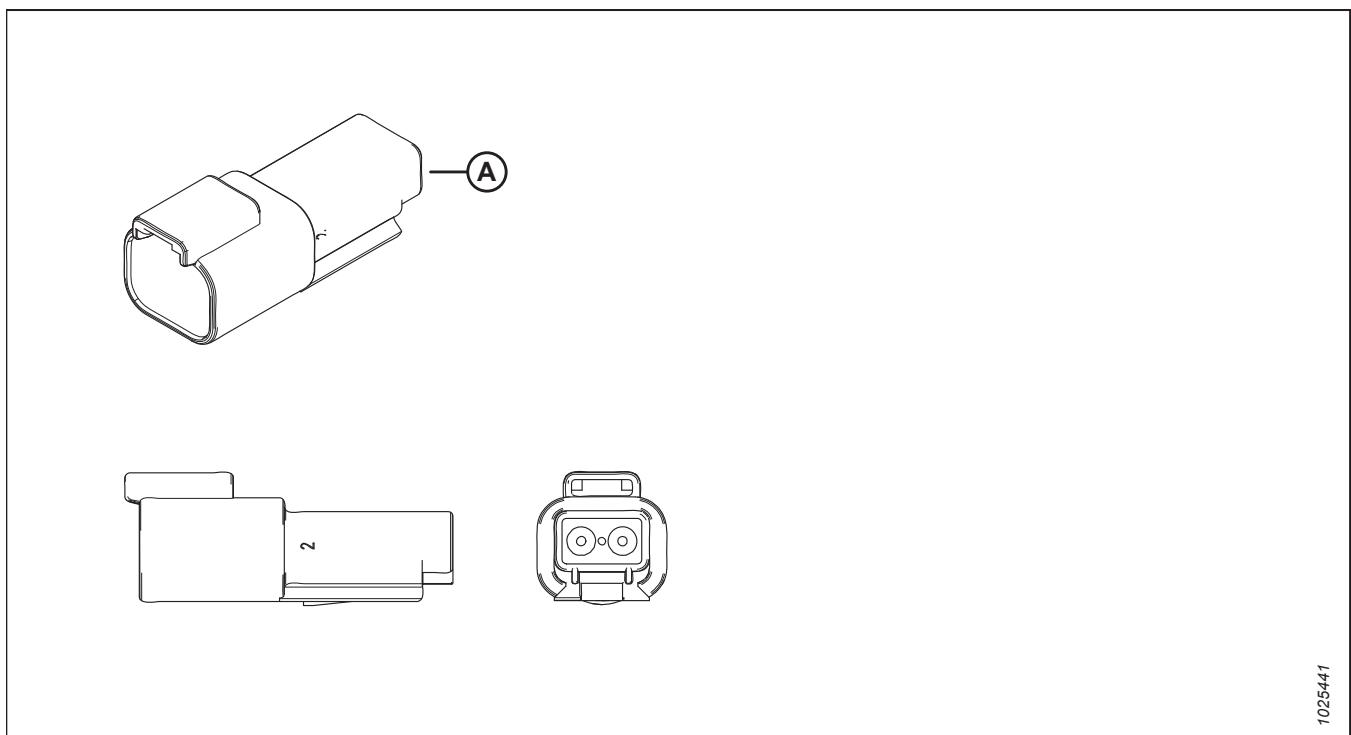


1025439

	MacDon Part #	Description	Manufacturer	Series	Manufacturer Part #
A		Connector – Plug	Deutsch	DT	DT06-2S
		Terminal			
		Lock			
		Secondary Lock			
		Seal			
		Mating Connector		DT04-2P	
		Extraction Tool			
		Crimp Tool			
		Cavity Plug			
		Boots/Caps			

TWO-POSITION CONNECTORS

3.35

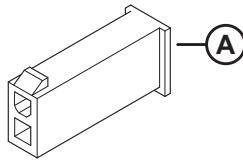


	MacDon Part #	Description	Manufacturer	Series	Manufacturer Part #
A		Connector	Deutsch	DT	DT04-2P
		Terminal			
		Lock			
		Secondary Lock			
		Seal			

	Mating Connector	DT06-2S
	Extraction Tool	
	Crimp Tool	
	Cavity Plug	
	Boots/Caps	

TWO-POSITION CONNECTORS

3.36

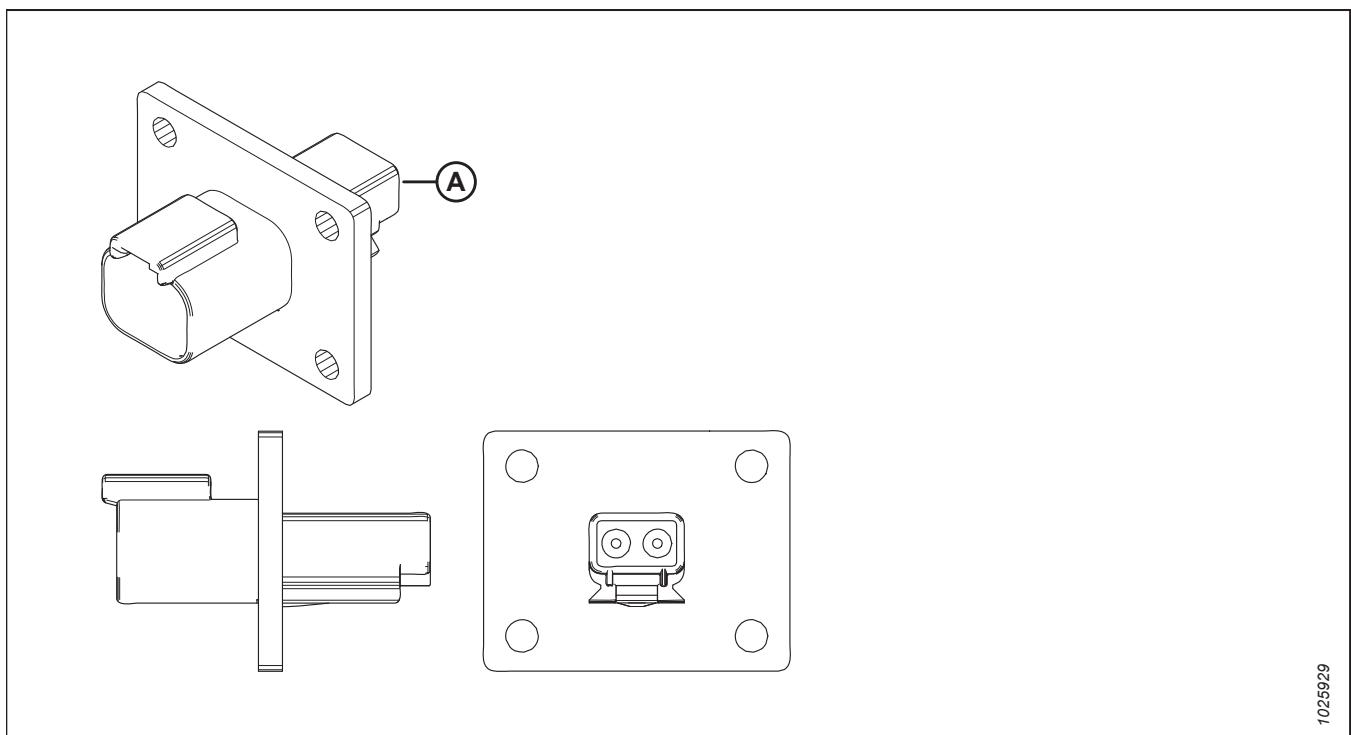


1025928

	MacDon Part #	Description	Manufacturer	Series	Manufacturer Part #
A		Connector – Receptacle	Molex		39-01-3023
		Terminal			
		Lock			
		Secondary Lock			
		Seal			
		Mating Connector			
		Extraction Tool			
		Crimp Tool			
		Cavity Plug			
		Boots/Caps			

TWO-POSITION CONNECTORS

3.37

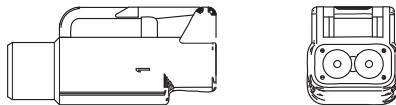
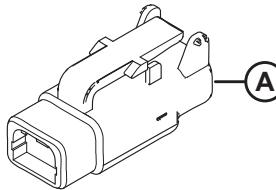


	MacDon Part #	Description	Manufacturer	Series	Manufacturer Part #
A		Connector	Deutsch	DT	DT04-2P-L012
		Terminal			
		Lock			
		Secondary Lock			
		Seal			

	Mating Connector				
	Extraction Tool				
	Crimp Tool				
	Cavity Plug				
	Boots/Caps				

TWO-POSITION CONNECTORS

3.38



1025443

	MacDon Part #	Description	Manufacturer	Series	Manufacturer Part #
A		Connector – Plug	Deutsch	DT	DTM06-2S
		Terminal			0462-201-20141, 0462-201-2031
		Lock			WM-2S
		Secondary Lock			
		Seal			
		Mating Connector		DTM04-2P	
		Extraction Tool		DT-RT1	
		Crimp Tool			
		Cavity Plug			
		Boots/Caps		DTM2S-BT	

TWO-POSITION CONNECTORS

3.39

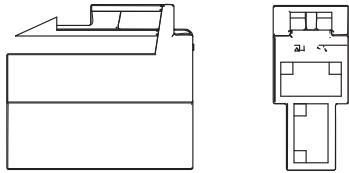
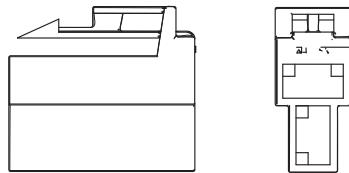
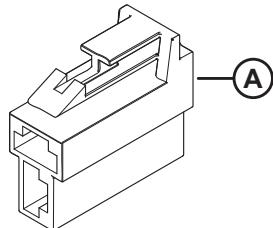
*Not Available
at Time of Printing*

1007852

	MacDon Part #	Description	Manufacturer	Series	Manufacturer Part #
		Connector – Receptacle	Fargo Assy.		MG620042
		Terminal			
		Lock			
		Secondary Lock			
		Seal			
		Mating Connector			
		Extraction Tool			
		Crimp Tool			
		Cavity Plug			
		Boots/Caps			

TWO-POSITION CONNECTORS

3.40

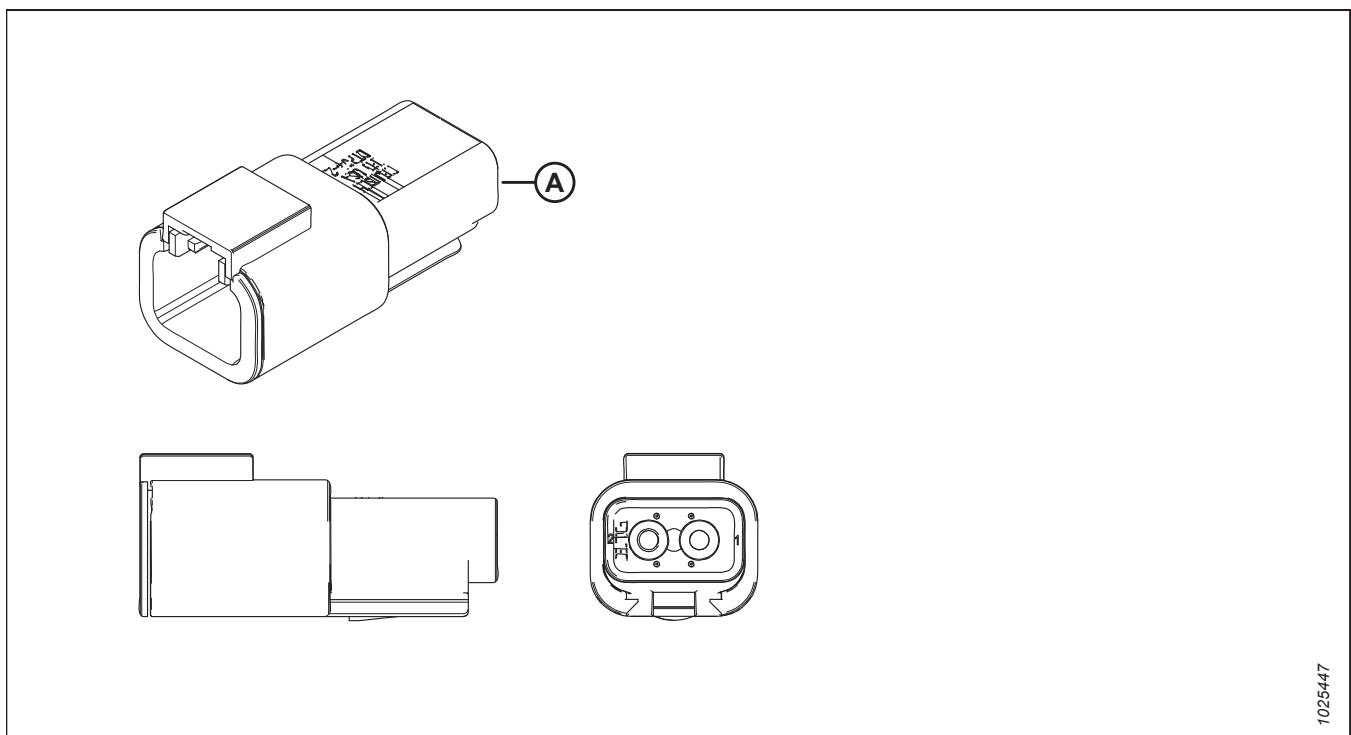


1025442

	MacDon Part #	Description	Manufacturer	Series	Manufacturer Part #
A		Connector – Plug	Fargo Assy.		MG610043
		Terminal			
		Lock			
		Secondary Lock			
		Seal			
		Mating Connector			
		Extraction Tool			
		Crimp Tool			
		Cavity Plug			
		Boots/Caps			

TWO-POSITION CONNECTORS

3.41

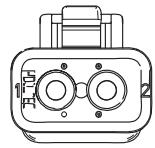
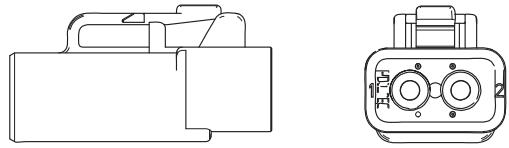
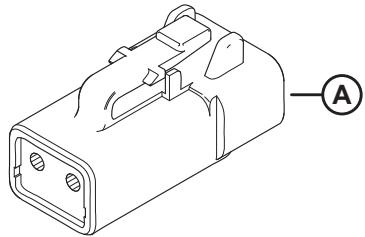


1025447

	MacDon Part #	Description	Manufacturer	Series	Manufacturer Part #
A		Connector – Receptacle	Deutsch	DT	DTP04-2P
		Terminal			0460-204-12141, 0460-220-1231
		Lock			WP-2P
		Secondary Lock			
		Seal			
<hr/>					
		Mating Connector		DTP06-2S	
		Extraction Tool		DT-RT1	
		Crimp Tool			
		Cavity Plug			
		Boots/Caps		DTP2P-BT	

TWO-POSITION CONNECTORS

3.42

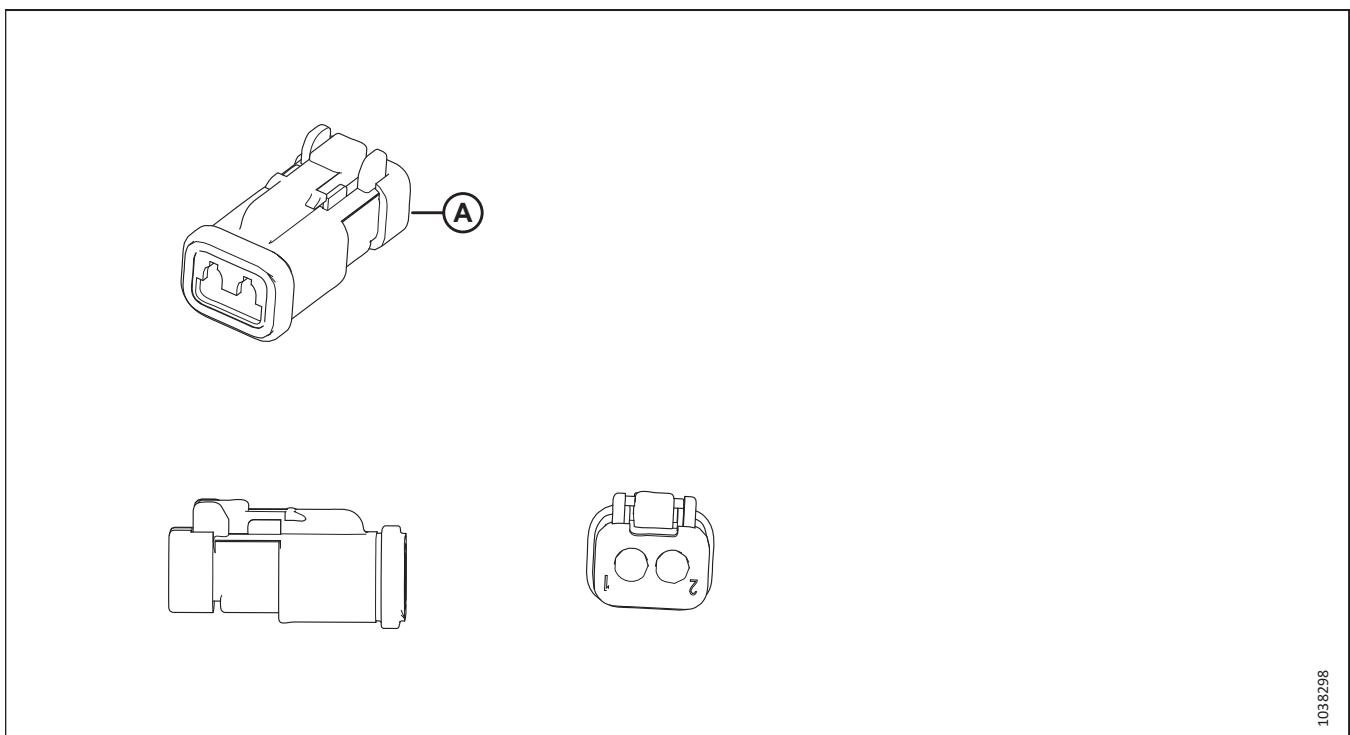


1025448

	MacDon Part #	Description	Manufacturer	Series	Manufacturer Part #
A		Connector – Plug	Deutsch	DT	DTP06-2S
		Terminal			0462-203-12141, 0462-210-1231
		Lock			WP-2S
		Secondary Lock			
		Seal			
		Mating Connector		DTP04-2P	
		Extraction Tool		DT-RT1	
		Crimp Tool			
		Cavity Plug			
		Boots/Caps		DTP2S-BT	

TWO-POSITION CONNECTORS

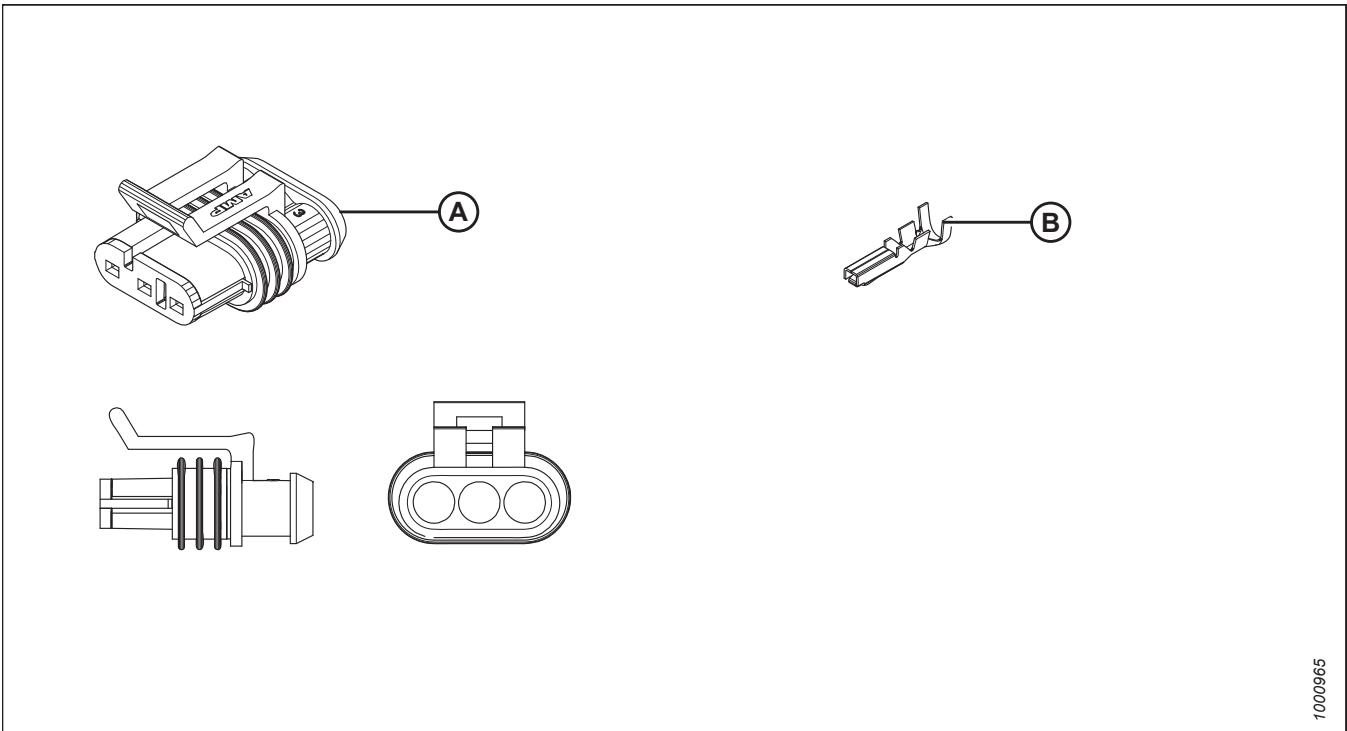
3.43



	MacDon Part #	Description	Manufacturer	Series	Manufacturer Part #
A	252941	Connector – Plug	Deutsch	DT	DT06-2S-CE01
		Terminal			
		Lock			W2S (orange) or W2S-P012 (green)
		Secondary Lock			
		Seal			
		Mating Connector		DT04-2P	
		Extraction Tool		DT-RT1	
		Crimp Tool		HDT-48-00	
		Cavity Plug		0413-215-1605 (white)	
		Boots/Caps		DTS-BT / 1011-344-0205	

Chapter 4: Three-Position Connectors

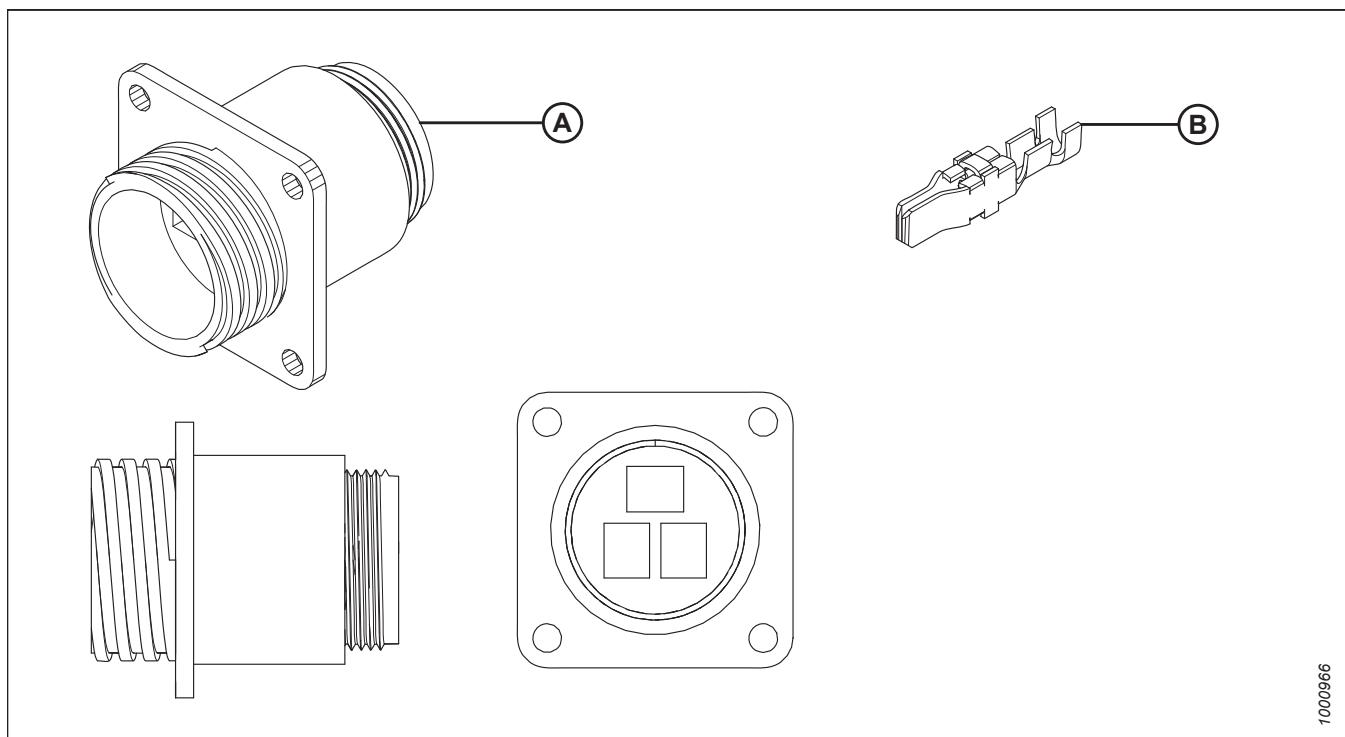
4.1



	MacDon Part #	Description	Manufacturer	Series	Manufacturer Part #
A		Connector - Plug	Amp / Tyco		282087-1
B	134092	Terminal - Socket	Amp		183025-1 282110-1 282403-1 282466-1
		Seal - Wire			
			Tyco 282105-1, 282105-2		
			Tyco 9-1579007-1		
			Tyco 58583-1		

THREE-POSITION CONNECTORS

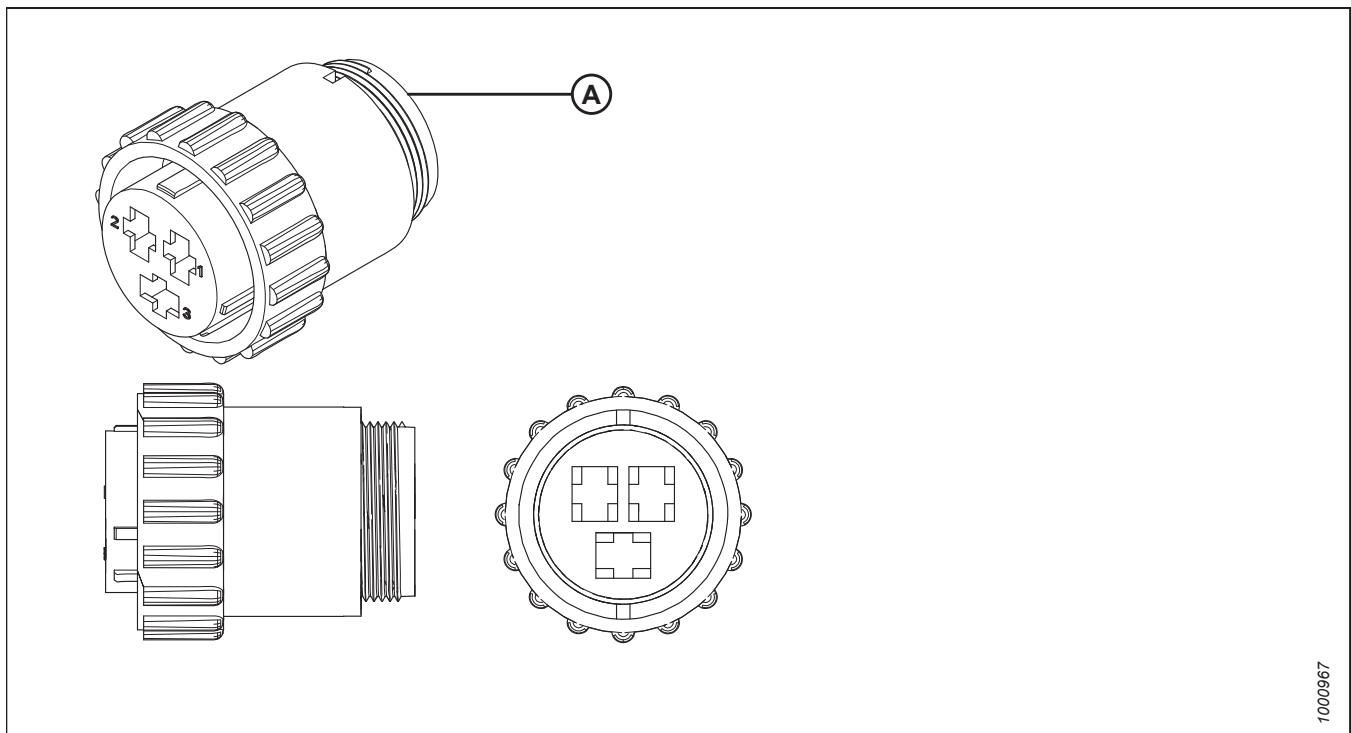
4.2



	MacDon Part #	Description	Manufacturer	Series	Manufacturer Part #
A		Connector – Receptacle (12–18 ga)	Amp	CPC	206036-2
B	134087	Terminal – Pin (12–18 ga)	Amp		66261-2
		Terminals			66255-2 66253-4 66255-6 66253-2
		Backshell			206070-8
		Grip			207387-1
		Boot Seal			207241-1
134045	134045	Mating Connector		206037-2	
		Extraction Tool			
		Crimp Tool			

THREE-POSITION CONNECTORS

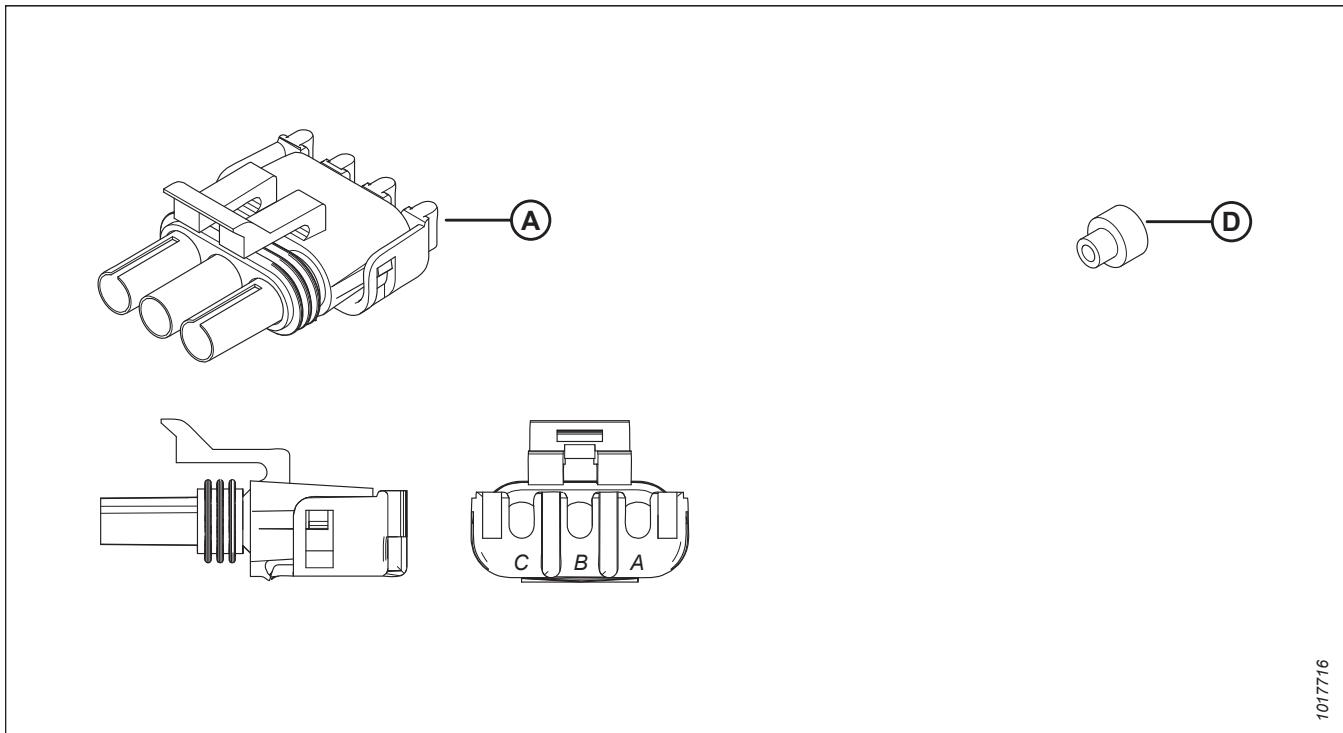
4.3



	MacDon Part #	Description	Manufacturer	Series	Manufacturer Part #
A	134045	Connector – Plug (12–18 ga)	Amp	CPC	206037-2
	134161	Terminal – Socket (12–18 ga)	Tyco		66740-6 66741-1 66740-1
		Backshell			206070-8
		Boot Seal			207241-1
		Cable Grip			207387-1
		Mating Connector		206036-2, 206207-1, 213581-1	
		Extraction Tool			
		Crimp Tool			

THREE-POSITION CONNECTORS

4.4

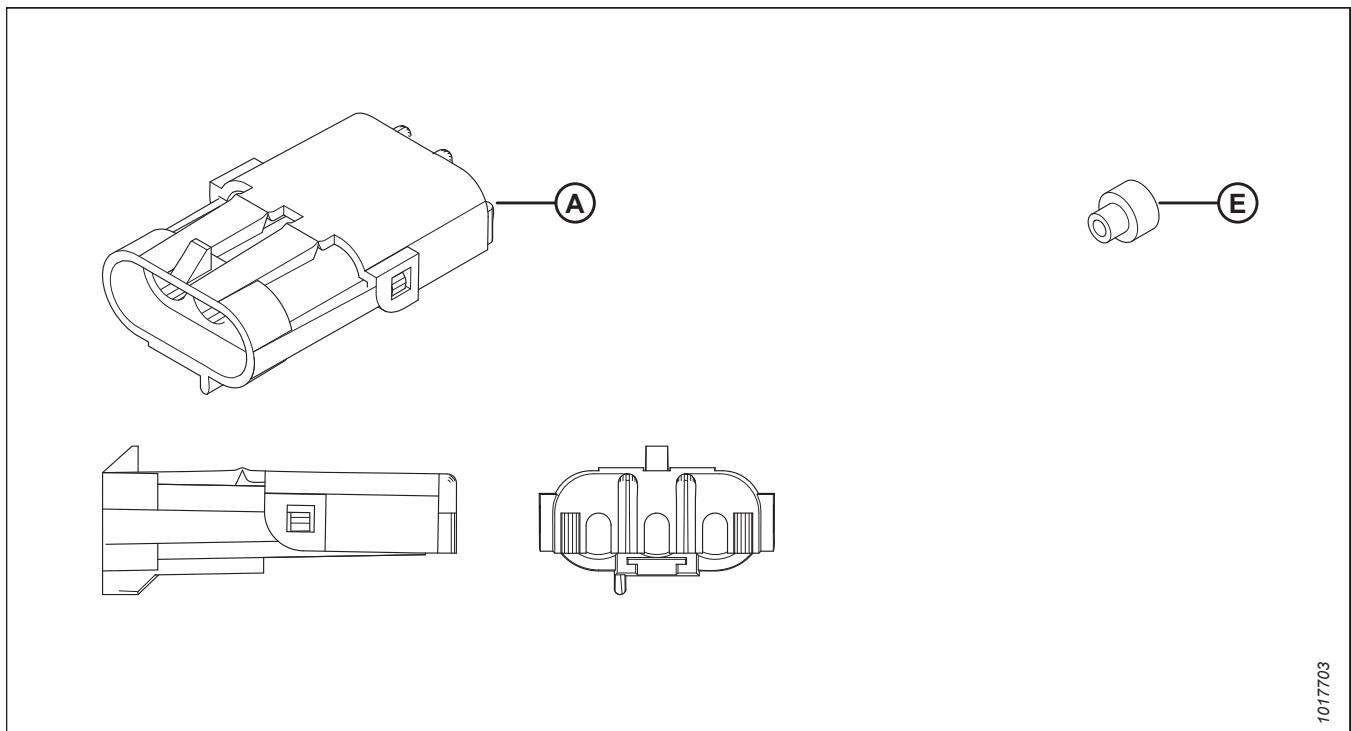


1017716

	MacDon Part #	Description	Manufacturer	Series	Manufacturer Part #
A	134132	Connector – Plug (14–20 ga)	Delphi	W/P	12015793
	134133	Terminal – Socket (18–20 ga)	Delphi	W/P	12089188
	30473	Terminal – Pin (14–16 ga)	Delphi	W/P	12124582
D		Seal – Wire (Green)	Delphi	W/P	15324982
		Seal – Wire (Orange)	Delphi	W/P	12129930
		Seal – Wire (Blue)			15324981
		Terminals			12124581 12124580 12020801
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		Mating Connector		12010717	
	134160	Extraction Tool		12014012	
		Crimp Tool			

THREE-POSITION CONNECTORS

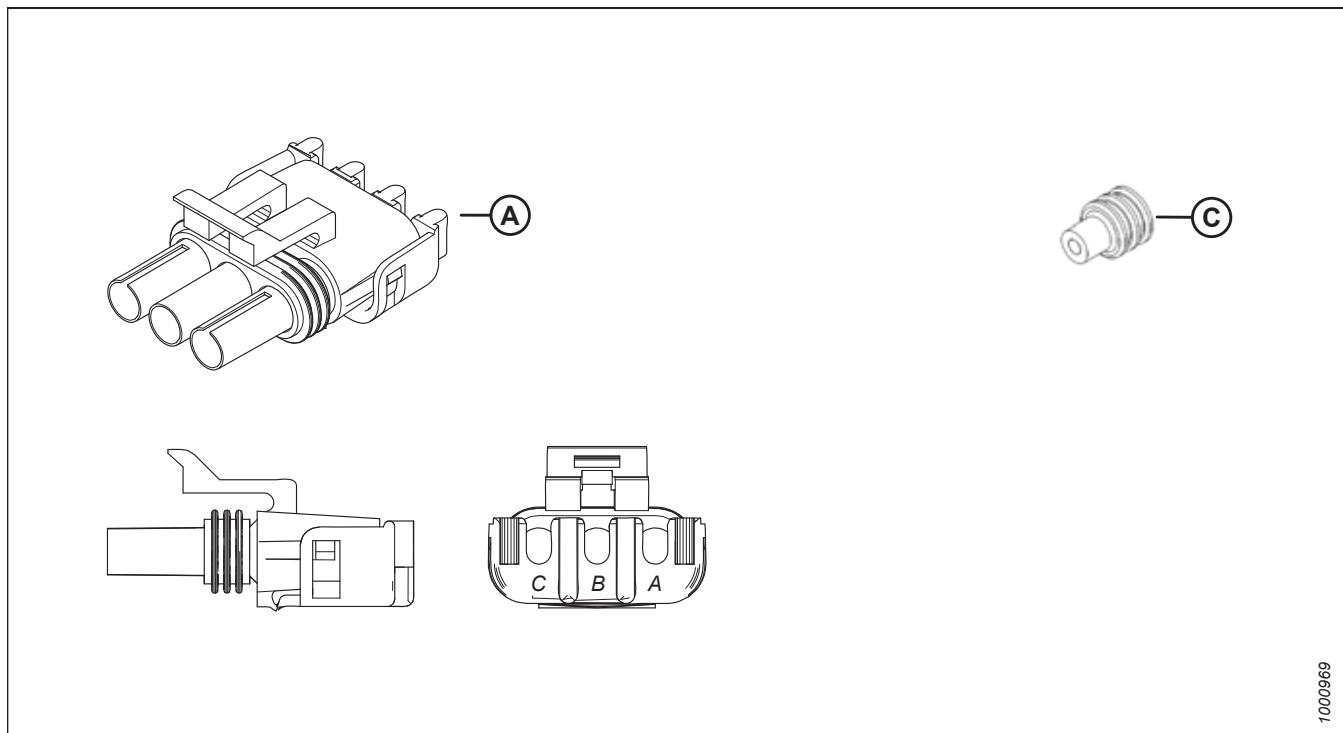
4.5



	MacDon Part #	Description	Manufacturer	Series	Manufacturer Part #
A	30440	Connector – Receptacle (14–20 ga)	Delphi	W/P	12010717
	30473	Terminal – Pin (14–16 ga)	Delphi	W/P	12124582
	30471	Terminal – Socket (14–16 ga)	Delphi	W/P	12124580
		Seal – Cavity (Green)	Delphi	W/P	12010300
E		Seal – Wire (Orange)	Delphi	W/P	12129930
		Seal – Wire (Blue)			15324981
	134132	Mating Connector		12015793	
		Extraction Tool		12014012	
		Crimp Tool			

THREE-POSITION CONNECTORS

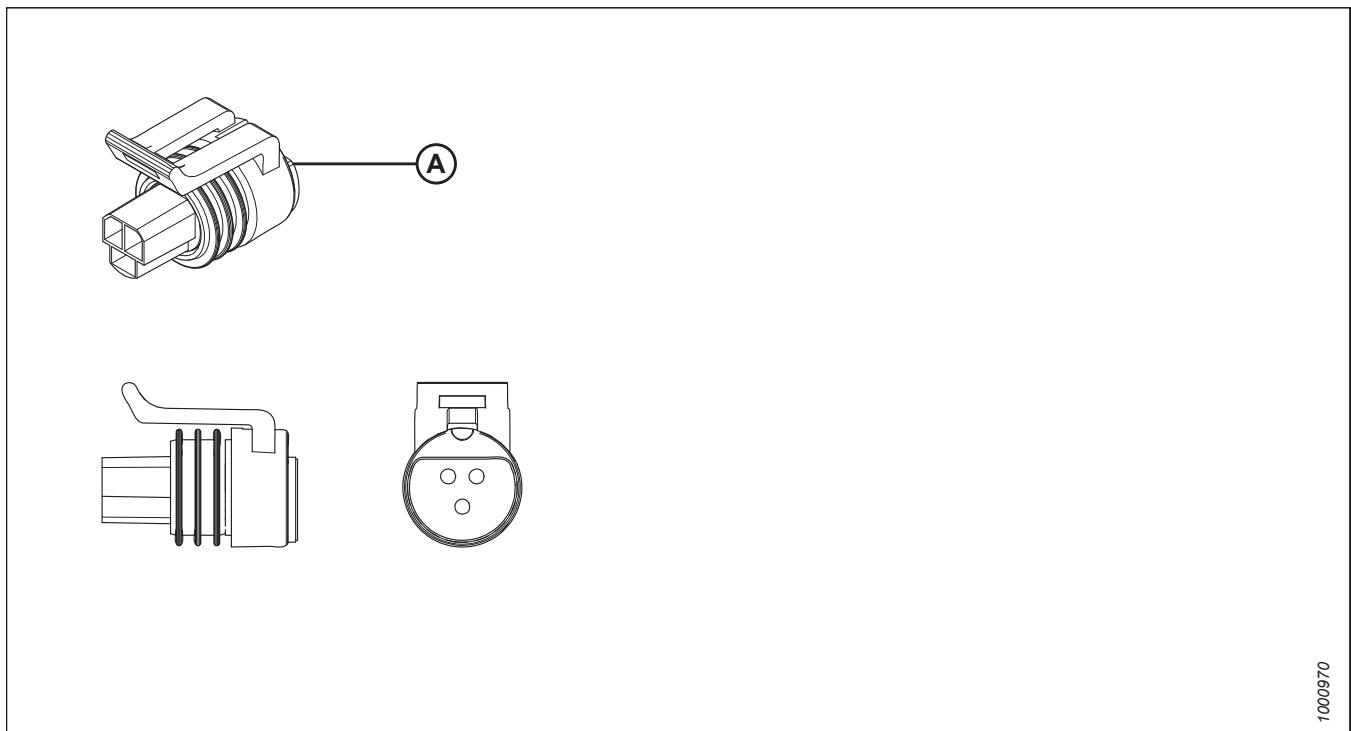
4.6



	MacDon Part #	Description	Manufacturer	Series	Manufacturer Part #	
A		Connector – Plug	Delphi	W/P	12020737	
	134126	Terminal – Pin (18–20 ga)	Delphi	W/P	12089040 12124582	
C		Seal – Wire (Green)	Delphi	W/P	15324982	
		Mating Connector				
	134160	Extraction Tool	12014012			
		Crimp Tool				

THREE-POSITION CONNECTORS

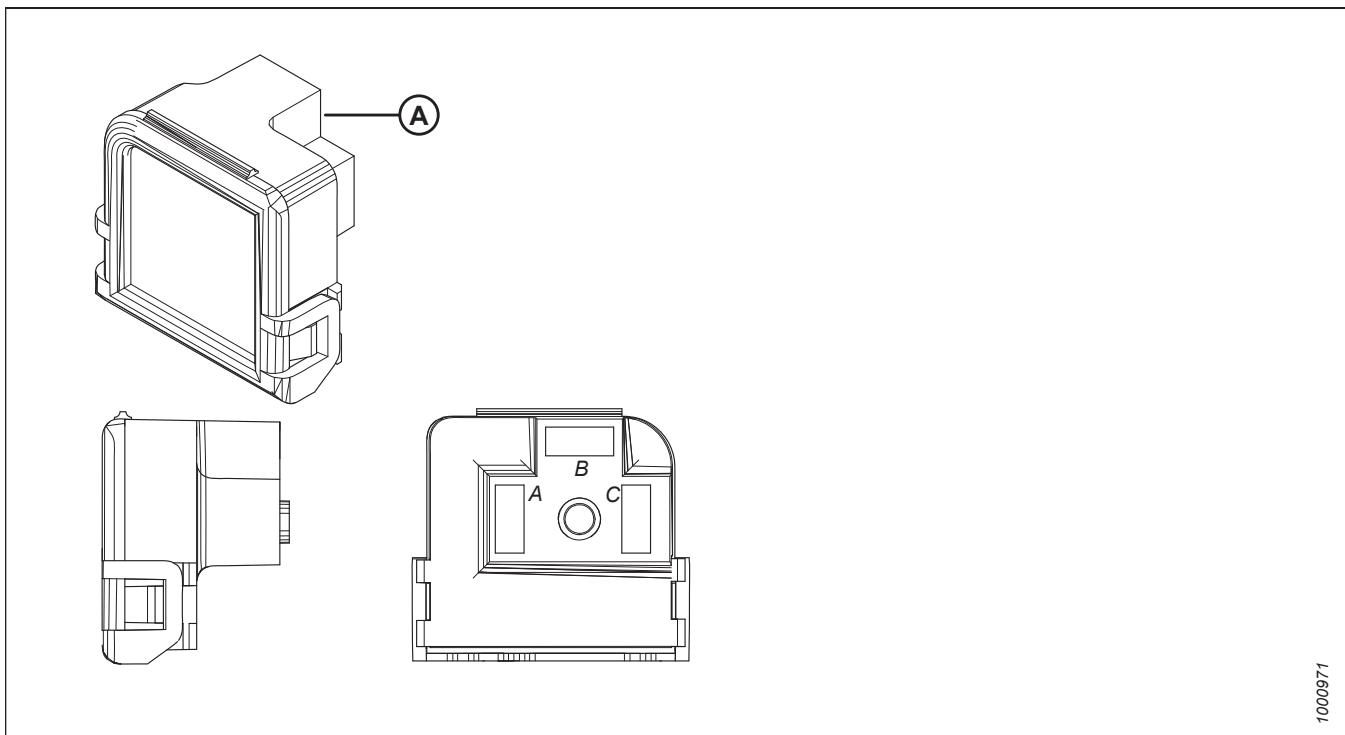
4.7



	MacDon Part #	Description	Manufacturer	Series	Manufacturer Part #
A		Connector – Plug	Delphi	M/P 150	12110192
	134130	Terminal – Socket	Delphi	M/P 150	12089290 12110236 12103881
	Mating Connector				
	134158	Extraction Tool	12094429		
	Crimp Tool				

THREE-POSITION CONNECTORS

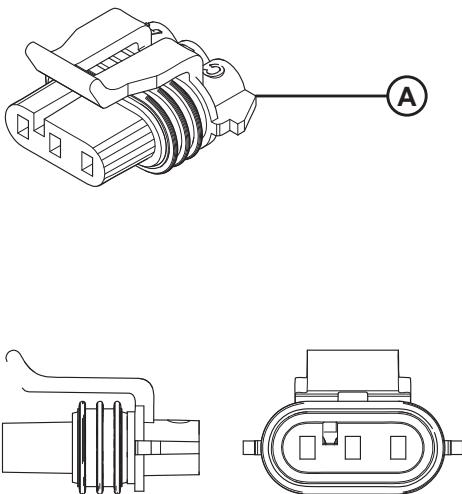
4.8



	MacDon Part #	Description	Manufacturer	Series	Manufacturer Part #
A		Connector – Receptacle	Delphi	M/P 800	12034372
		Terminal			12020633 12020634
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	134159	Mating Connector Extraction Tool Crimp Tool		12094430	

THREE-POSITION CONNECTORS

4.9

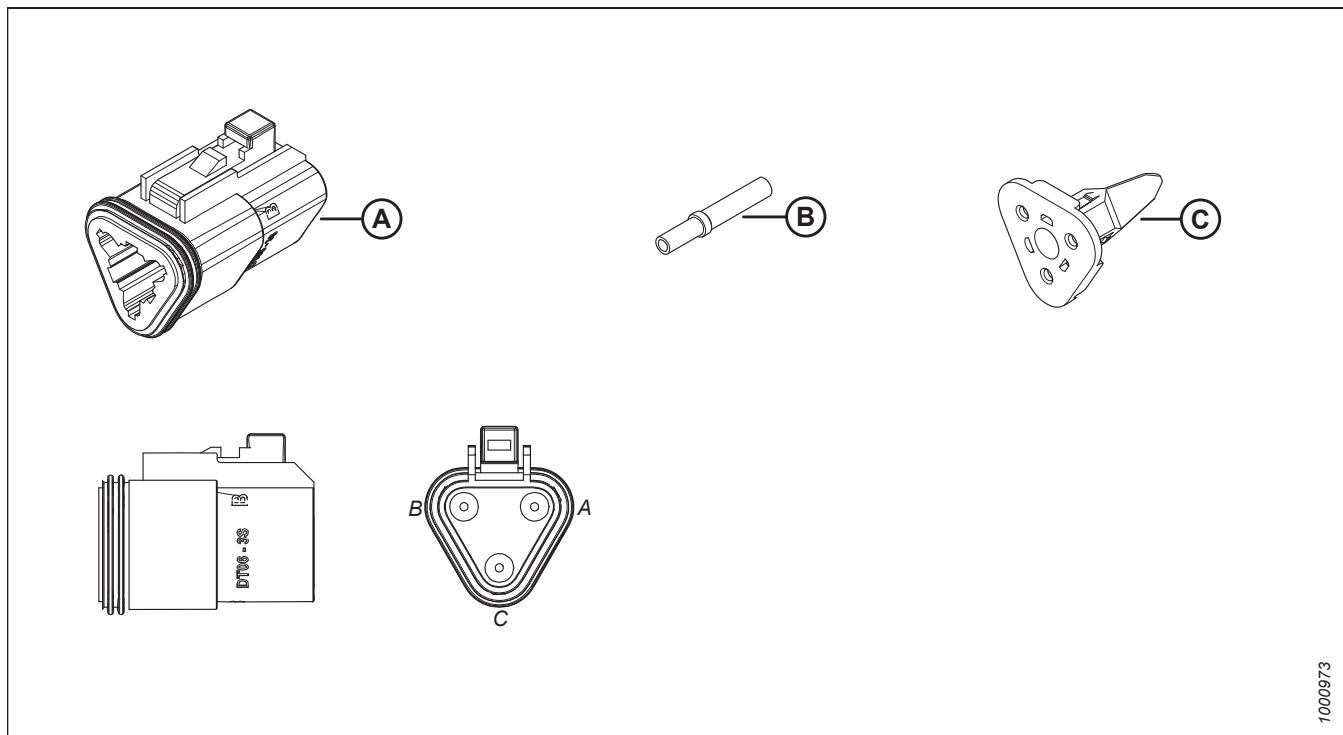


1000972

	MacDon Part #	Description	Manufacturer	Series	Manufacturer Part #
A		Connector – Plug	Delphi	M/P 150	12059595
		Terminal	Delphi	M/P 150	12048074 12084200 12160222
		Seal – Cable	Delphi	M/P 150	12048086 12052842
		Lock – Secondary			12052845
		Mating Connector			
	134158	Extraction Tool			12094429
		Crimp Tool			

THREE-POSITION CONNECTORS

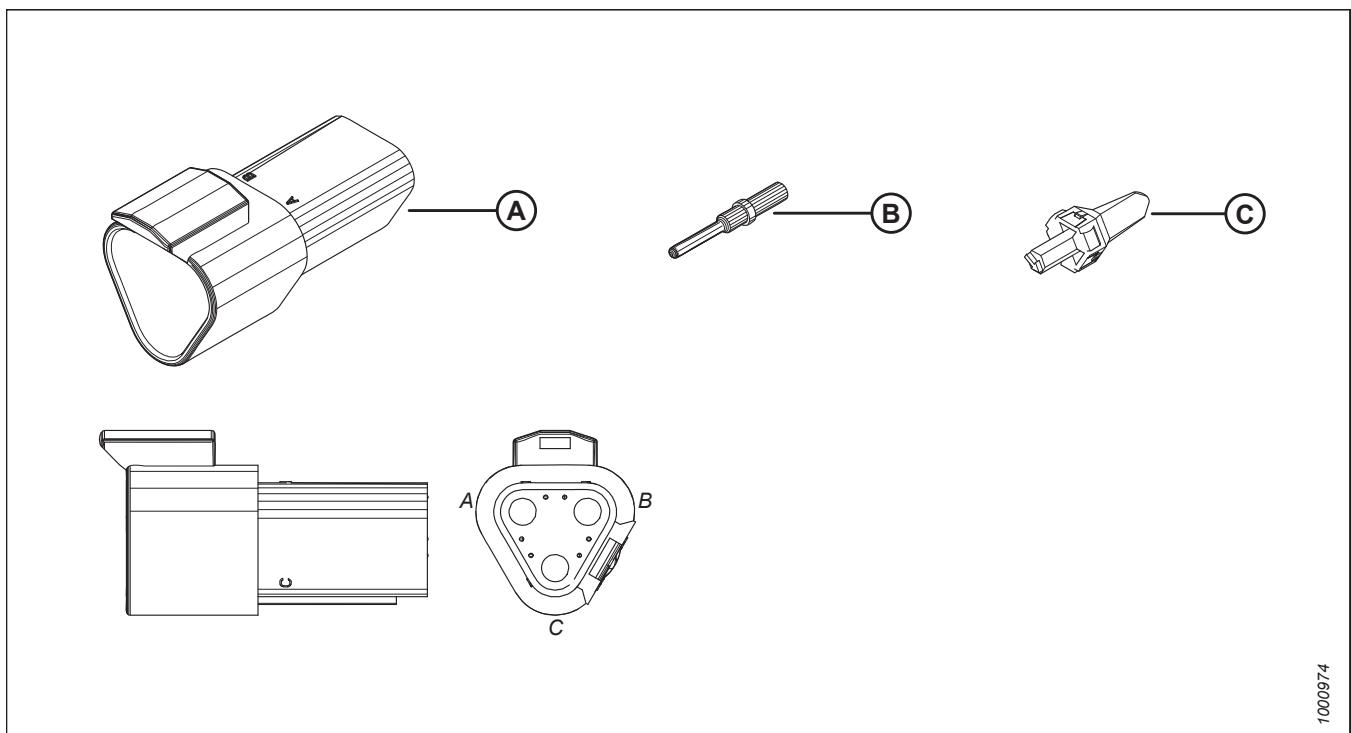
4.10



	MacDon Part #	Description	Manufacturer	Series	Manufacturer Part #	
A		Connector – Plug (16–18 ga)	Deutsch	DT	DT06-3S-P012	
B	134026	Terminal – Socket (16–18 ga)	Deutsch	Size 16	0462-201-16141 (nickel), 0462-201-1631 (gold)	
C		Lock	Deutsch	DT	W3S-P012	
		Mating Connector	DT04-3P			
		Extraction Tool				
	134015	Crimp Tool	HDT-48-00			

THREE-POSITION CONNECTORS

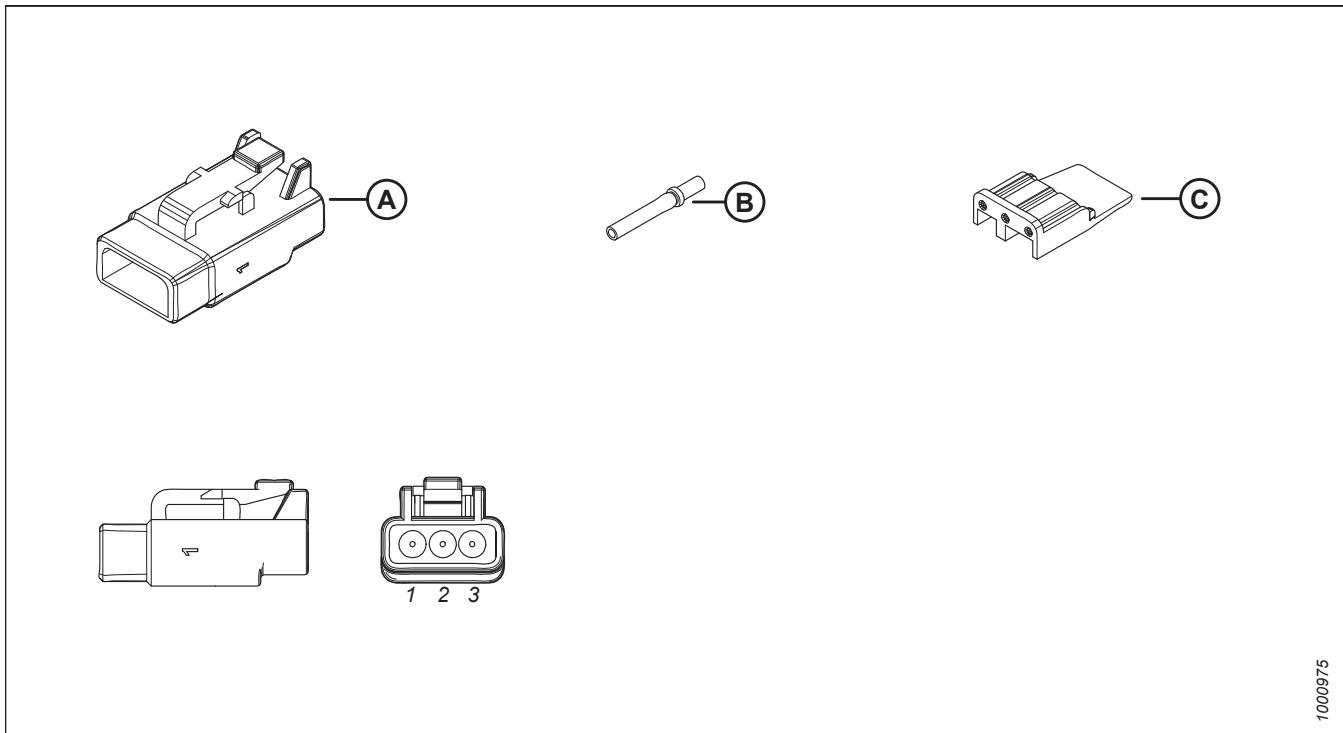
4.11



	MacDon Part #	Description	Manufacturer	Series	Manufacturer Part #	
A		Connector – Receptacle (16–22 ga)	Deutsch	DT	DT04-3P	
B	134023	Terminal – Pin (16–18 ga)	Deutsch	Size 16	0460-202-16141 (nickel), 0460-202-1631 (gold)	
C	134041	Lock	Deutsch	DT	W3P	
		Mating Connector	DT06-3S-P012			
		Extraction Tool				
	134015	Crimp Tool	HDT-48-00			

THREE-POSITION CONNECTORS

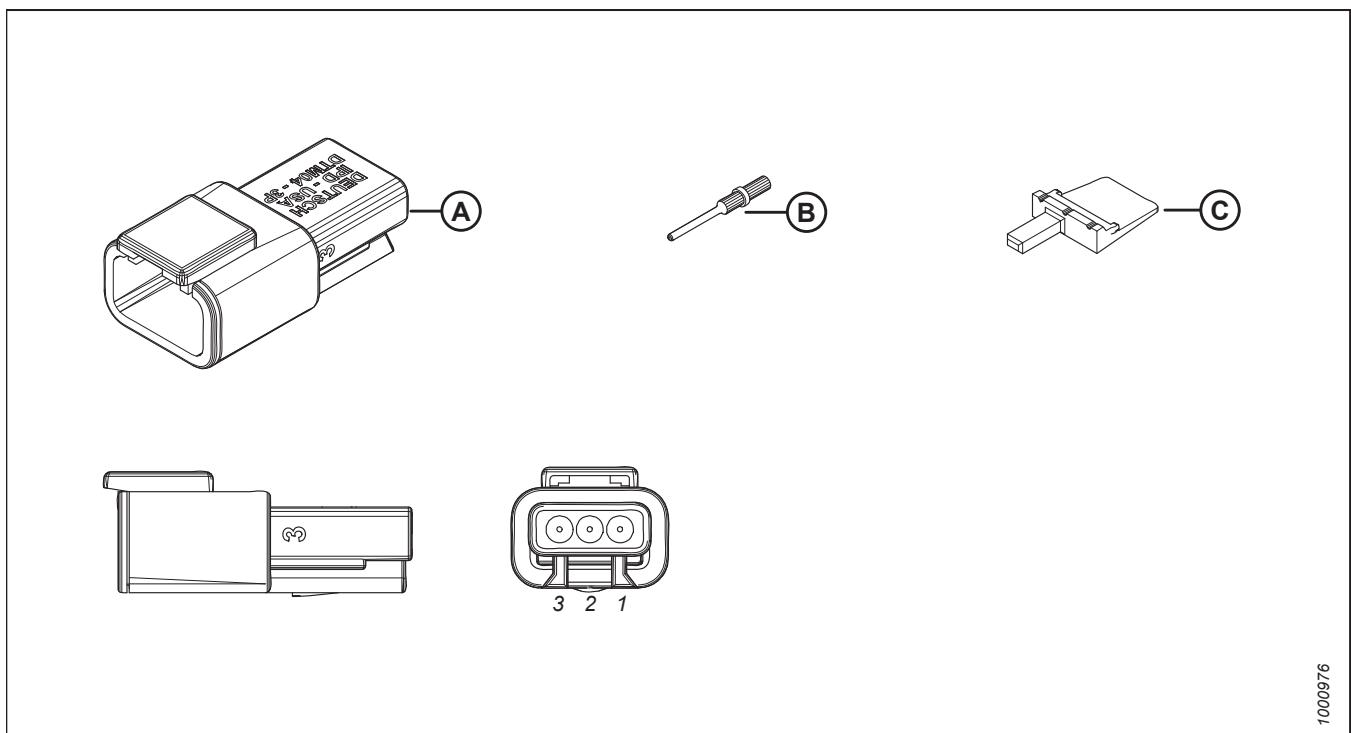
4.12



	MacDon Part #	Description	Manufacturer	Series	Manufacturer Part #
A	134019	Connector – Plug (20–24 ga)	Deutsch	DTM	DTM06-3S
B	134017	Terminal – Socket (20–24 ga)	Deutsch	Size 20	0462-201-20141 (nickel), 0462-201-2031 (gold)
C	134021	Lock	Deutsch	DTM	WM-3S
D	134018	Mating Connector	DTM04-3P		
		Extraction Tool			
		Crimp Tool			

THREE-POSITION CONNECTORS

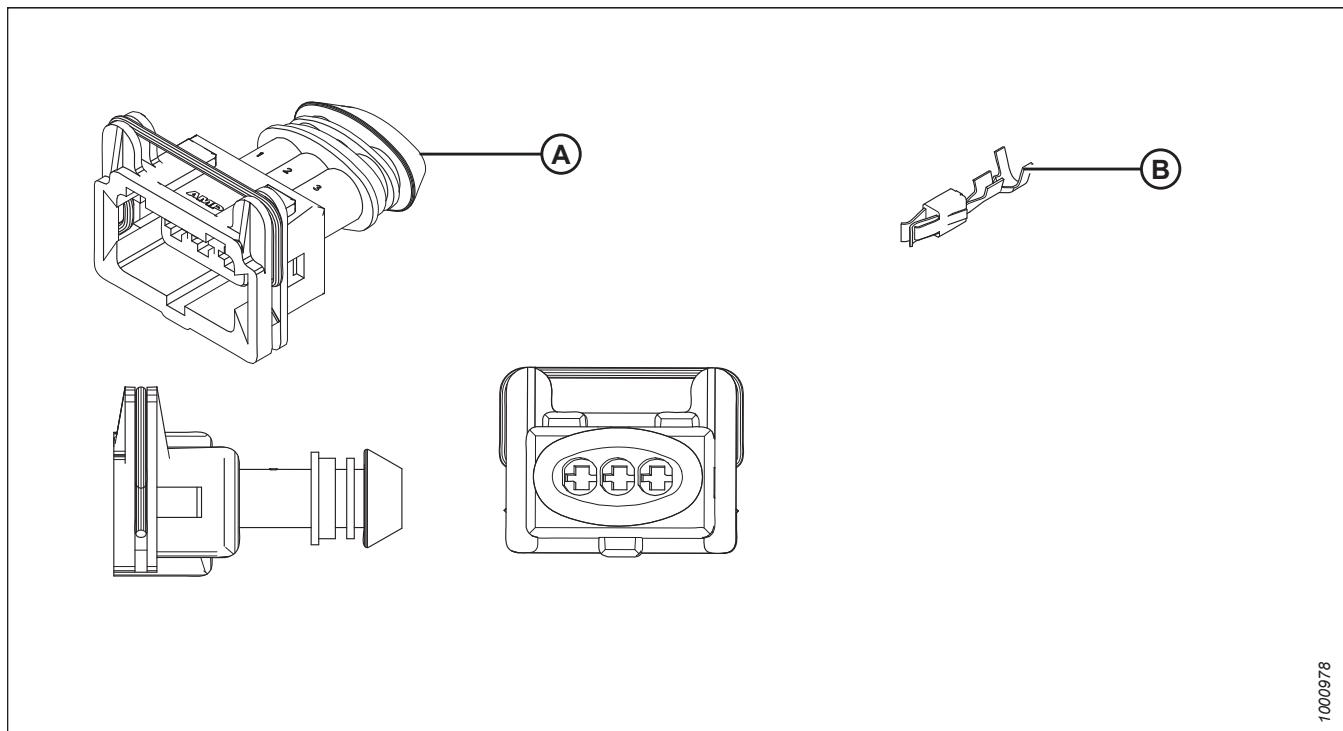
4.13



	MacDon Part #	Description	Manufacturer	Series	Manufacturer Part #
A	134018	Connector – Receptacle (16–22 ga)	Deutsch	DTM	DTM04-3P
B	134016	Terminal – Pin (20–24 ga)	Deutsch	Size 20	0460-202-20141 (nickel), 0460-202-2031 (gold)
C	134020	Lock	Deutsch	DTM	WM-3P
	134019	Mating Connector	DTM06-3S		
		Extraction Tool			
		Crimp Tool			

THREE-POSITION CONNECTORS

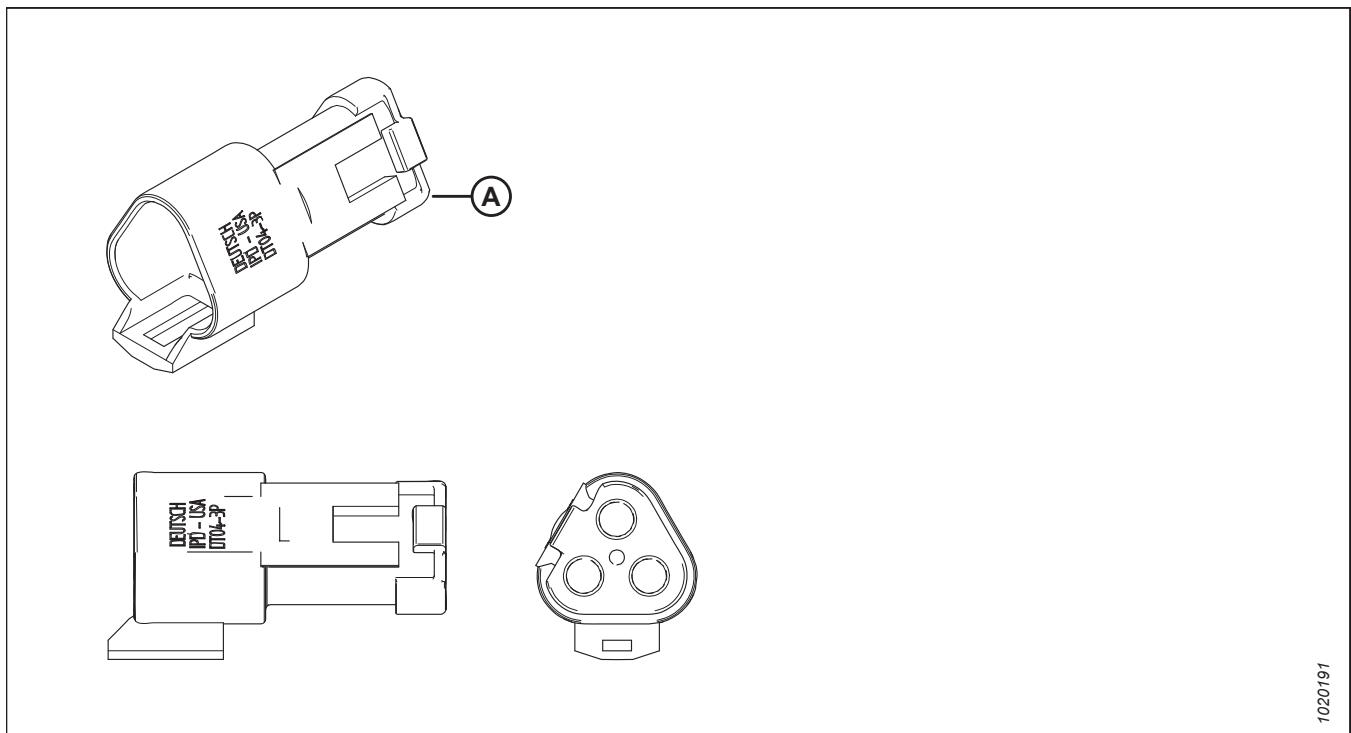
4.14



	MacDon Part #	Description	Manufacturer	Series	Manufacturer Part #
A		Connector – Plug	Tyco		282191-1
B	134094	Terminal – Socket	Tyco		929939-1
	134385	Seal – Wire (White)	Tyco		828905-1
Mating Connector					
Extraction Tool					
Crimp Tool					

THREE-POSITION CONNECTORS

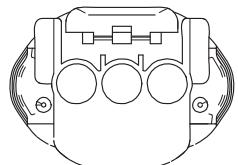
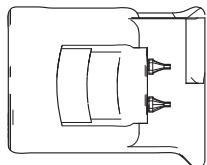
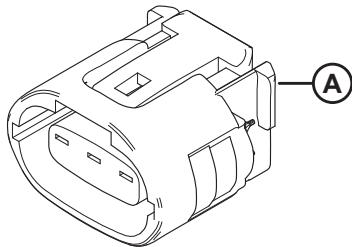
4.15



	MacDon Part #	Description	Manufacturer	Series	Manufacturer Part #
A	134043	Connector – Receptacle	Deutsch		DT04-3P-P006
		Mating Connector			
		Extraction Tool			
		Crimp Tool			

THREE-POSITION CONNECTORS

4.16

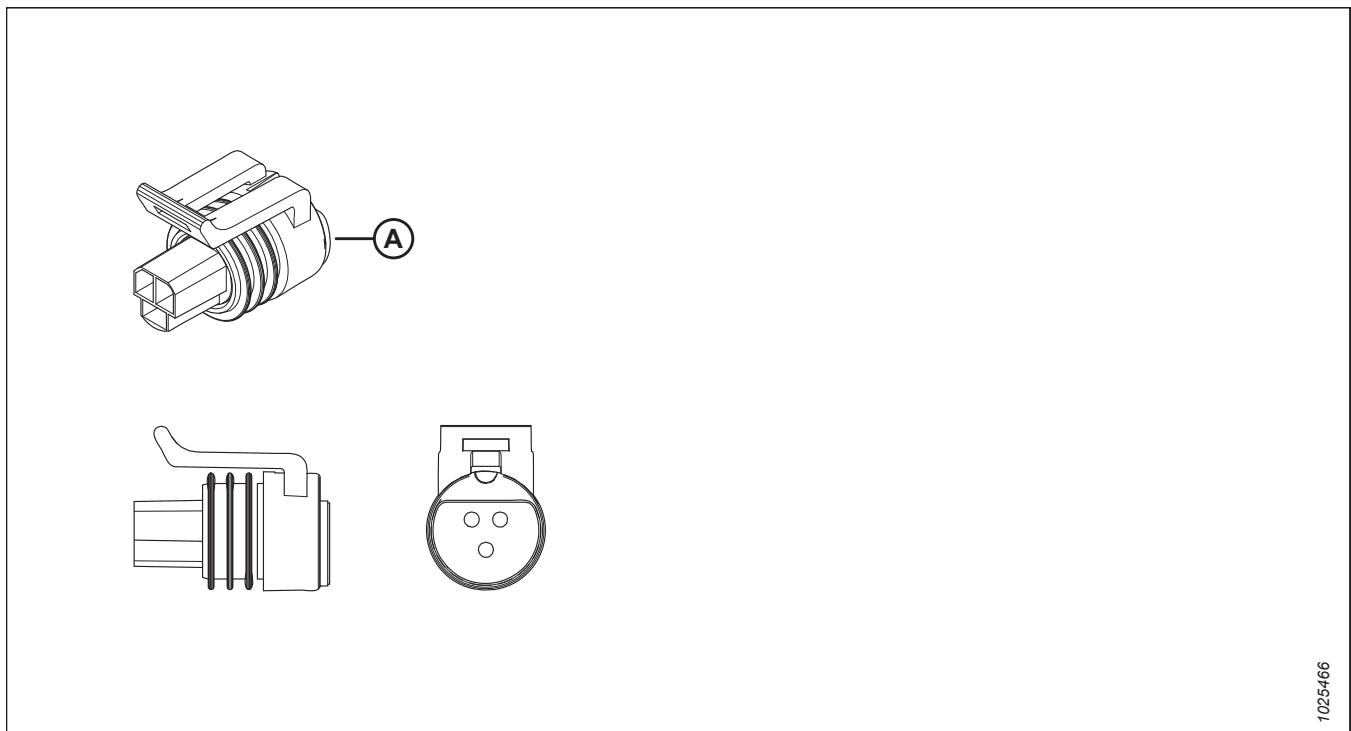


1020197

	MacDon Part #	Description	Manufacturer	Series	Manufacturer Part #
A		Connector – Plug	Sumitomo		6189-0442
		Mating Connector			
		Extraction Tool			
		Crimp Tool			

THREE-POSITION CONNECTORS

4.17

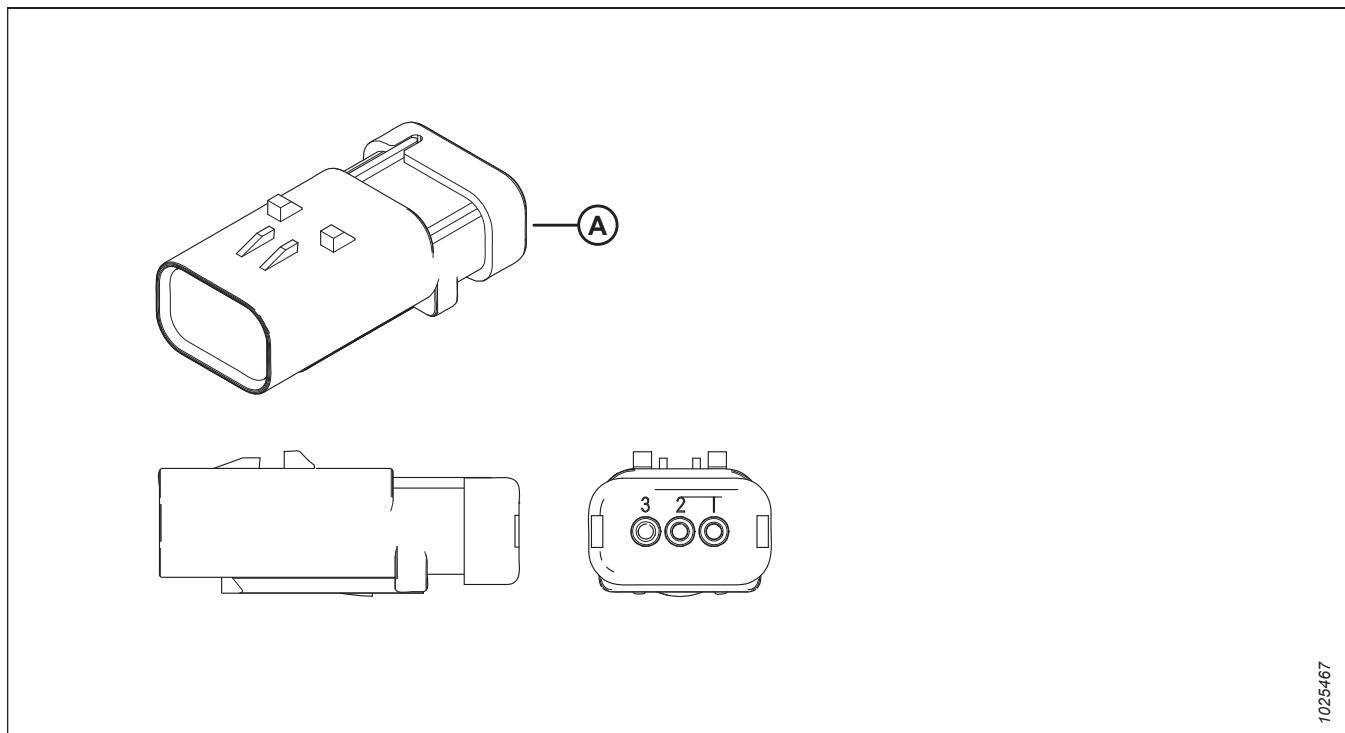


1025466

	MacDon Part #	Description	Manufacturer	Series	Manufacturer Part #
A		Connector – Plug	Delphi		12065287
		Terminal			12103881, 12089290, 12110236, 12191055, 12191056, 12162248
		Lock			
		Secondary Lock			
		Seal			12065266, 12034413
		Mating Connector			
		Extraction Tool			
		Crimp Tool			
		Cavity Plug			
		Boots/Caps			

THREE-POSITION CONNECTORS

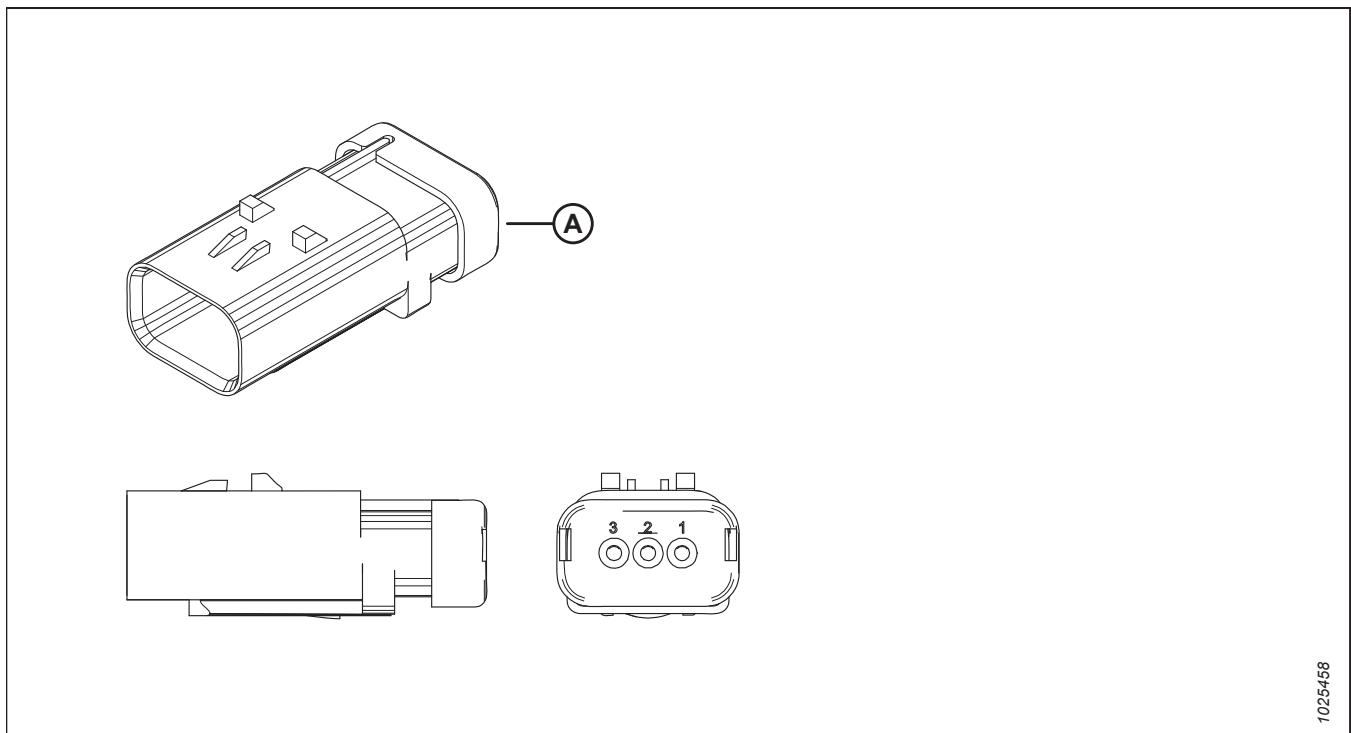
4.18



	MacDon Part #	Description	Manufacturer	Series	Manufacturer Part #
A		Connector – Receptacle (RED Insert)	Tyco	Ampseal 16	776430-1
		Terminal			1924463, 638078
		Lock			
		Secondary Lock			
		Seal			
		Mating Connector		776429-1	
		Extraction Tool			
		Crimp Tool			
		Cavity Plug		776363	
		Boots/Caps		1924487-1	

THREE-POSITION CONNECTORS

4.19

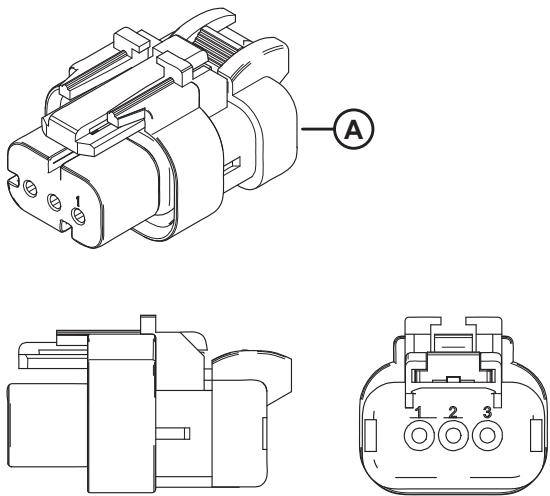


1025458

	MacDon Part #	Description	Manufacturer	Series	Manufacturer Part #
A		Connector – Receptacle (GREEN Insert)	Tyco	Ampseal 16	776535-4
		Terminal			1924463
		Lock			
		Secondary Lock			
		Seal			
		Mating Connector			
		Extraction Tool		776441-1	
		Crimp Tool			
		Cavity Plug		776364-1	
		Boots/Caps		2035047, 2035048, 2035366, 2292861	

THREE-POSITION CONNECTORS

4.20

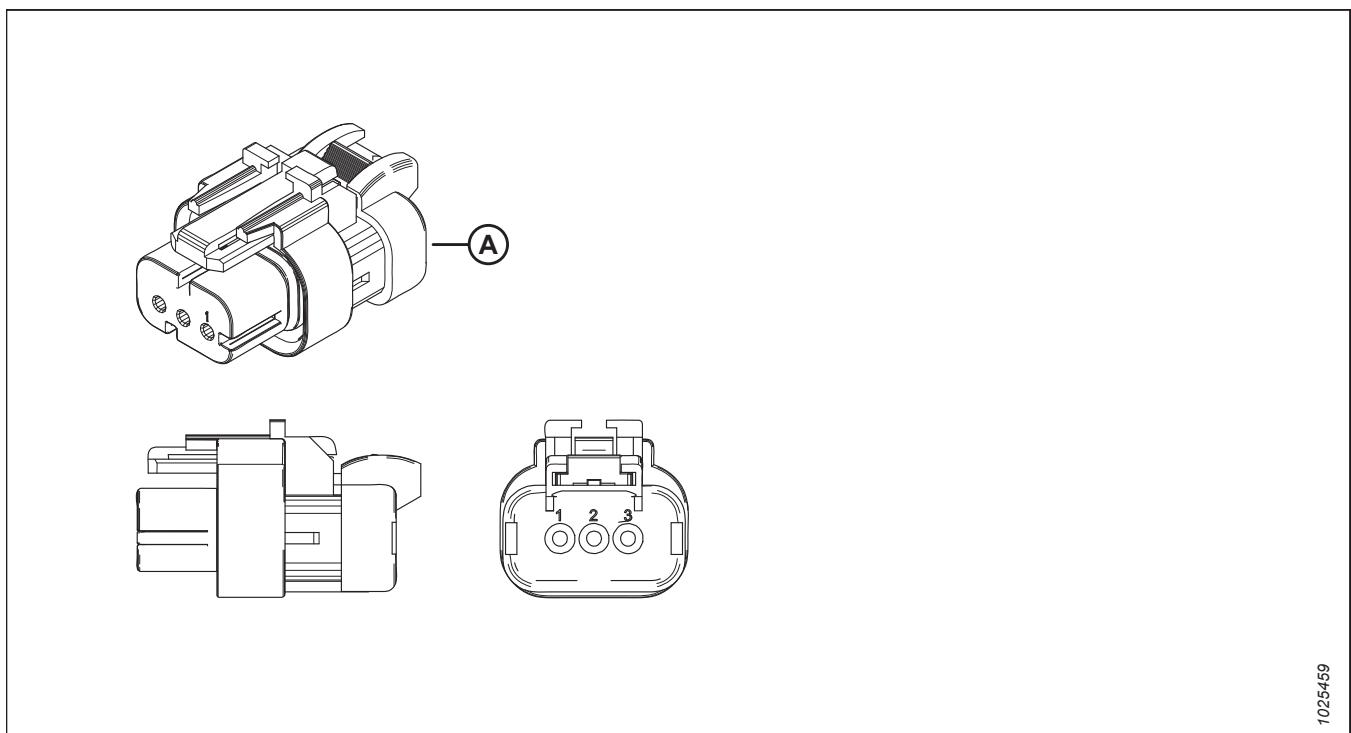


1025468

	MacDon Part #	Description	Manufacturer	Series	Manufacturer Part #
A		Connector – Plug (RED Insert)	Tyco	Ampseal 16	776523-1
		Terminal			1924464-1, 924464-2, 776492-1, 776492-2
		Lock			
		Secondary Lock			
		Seal			
		Mating Connector			776535-1
		Extraction Tool			776441-1
		Crimp Tool			
		Cavity Plug			
		Boots/Caps			

THREE-POSITION CONNECTORS

4.21

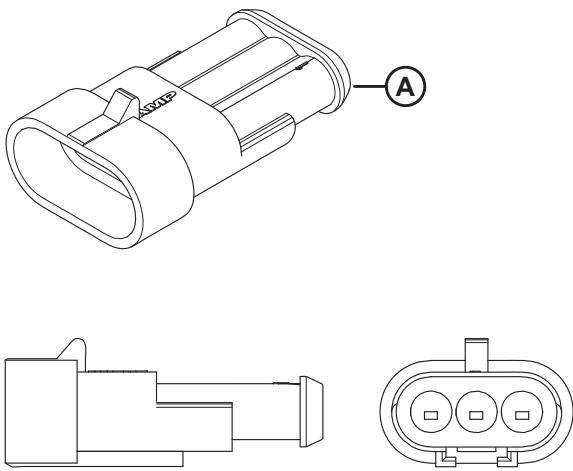


1025459

	MacDon Part #	Description	Manufacturer	Series	Manufacturer Part #
A		Connector – Plug (GREEN Insert)	Tyco		776523-4
		Terminal			1924464, 2098251
		Lock			
		Secondary Lock			
		Seal			
		Mating Connector			
		Extraction Tool		776441-1	
		Crimp Tool			
		Cavity Plug		776364-1	
		Boots/Caps		2035047, 2035048, 2035366, 2292861	

THREE-POSITION CONNECTORS

4.22

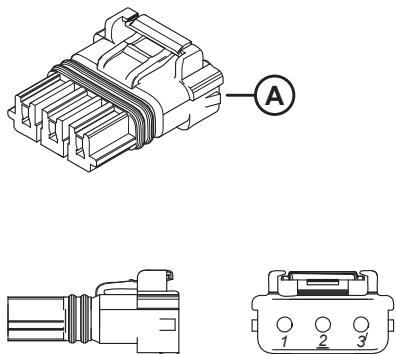


1025469

	MacDon Part #	Description	Manufacturer	Series	Manufacturer Part #
A		Connector – Receptacle	Tyco		282105-1
		Terminal			
		Lock			
		Secondary Lock			
		Seal			
		Mating Connector			
		Extraction Tool			
		Crimp Tool			
		Cavity Plug			
		Boots/Caps			

THREE-POSITION CONNECTORS

4.23

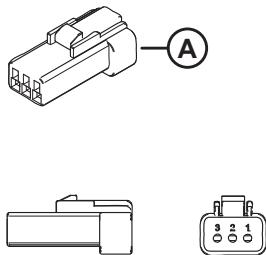


1025470

	MacDon Part #	Description	Manufacturer	Series	Manufacturer Part #
A		Connector – Plug	JST		03R-WPJV-1-SMM
		Terminal			
		Lock			
		Secondary Lock			
		Seal			
		Mating Connector			
		Extraction Tool			
		Crimp Tool			
		Cavity Plug			
		Boots/Caps			

THREE-POSITION CONNECTORS

4.24

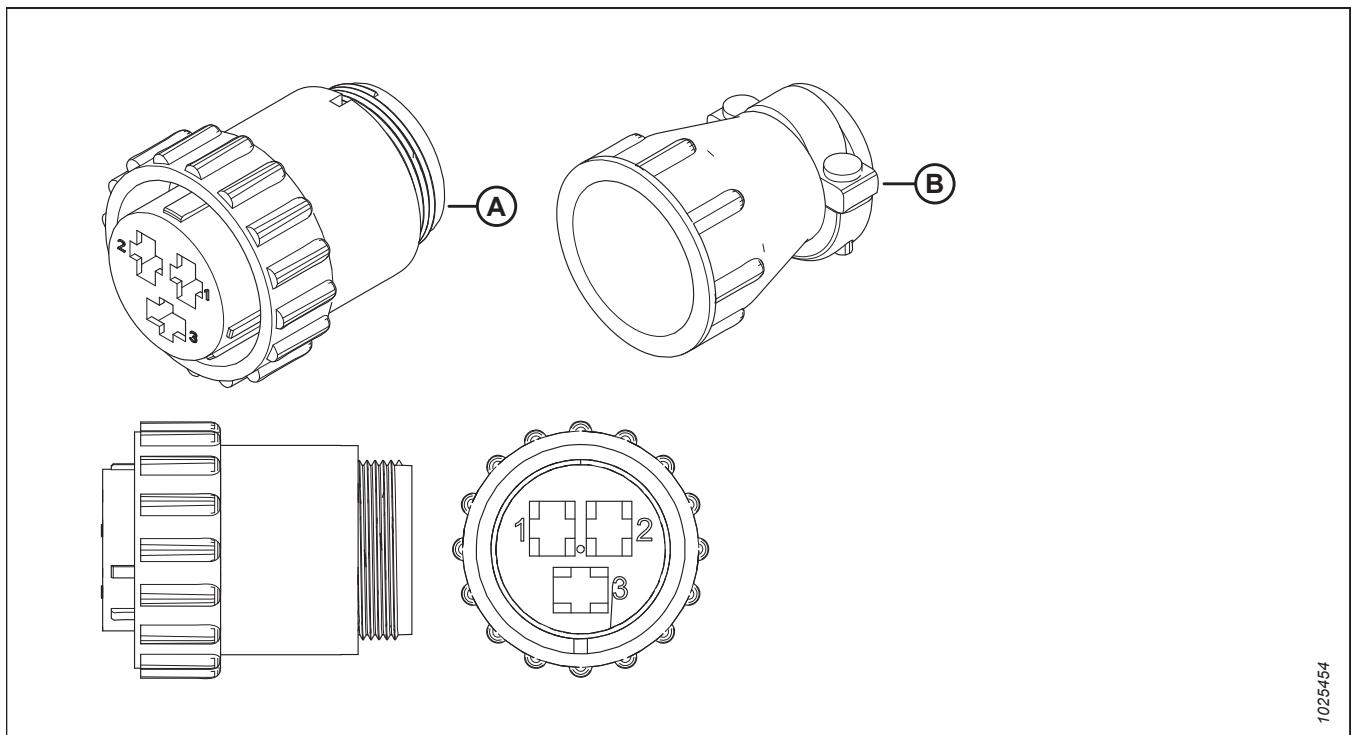


1025471

	MacDon Part #	Description	Manufacturer	Series	Manufacturer Part #
A		Connector – Plug	JST		03R-JWPF-VSLE-S
		Terminal			
		Lock			
		Secondary Lock			
		Seal			
		Mating Connector			
		Extraction Tool			
		Crimp Tool			
		Cavity Plug			
		Boots/Caps			

THREE-POSITION CONNECTORS

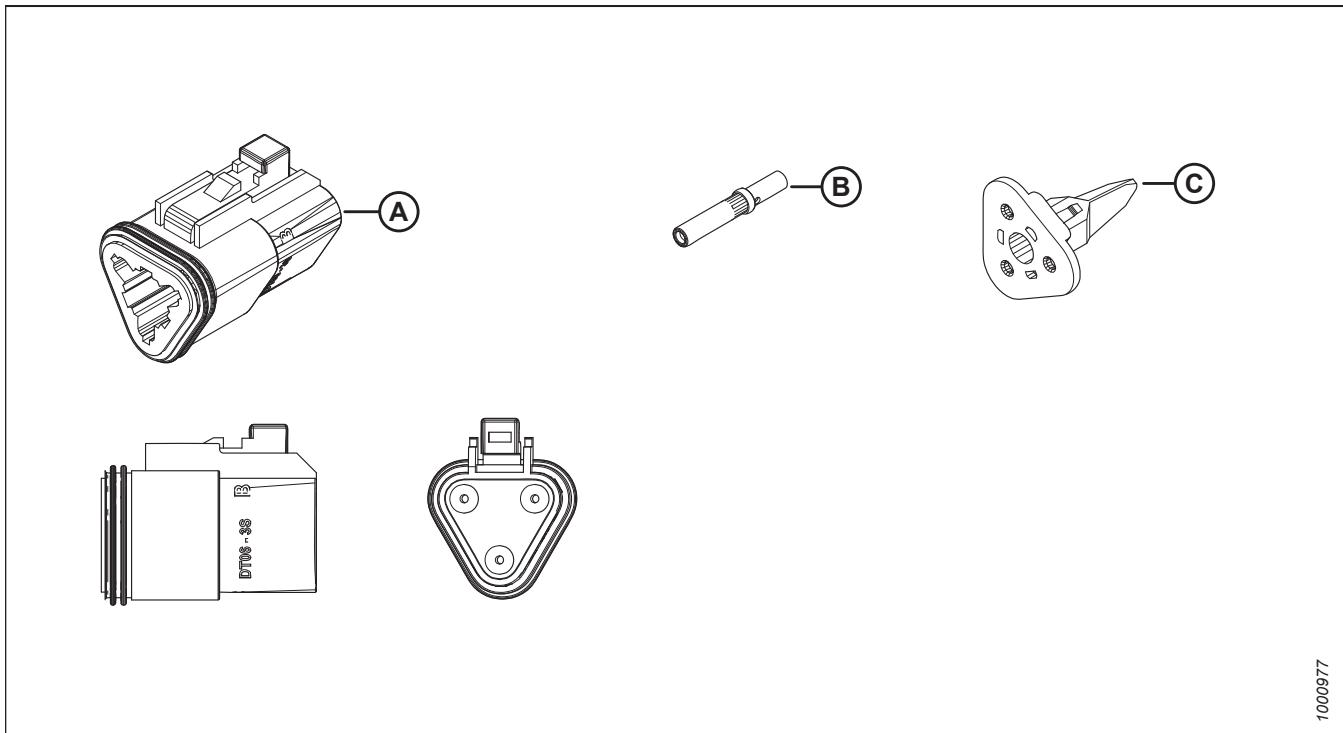
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	MacDon Part #	Description	Manufacturer	Series	Manufacturer Part #
A		Connector – Plug	Tyco		206037-2
B		Clamp Kit	Tyco		206070-1
		Terminal			
		Lock			
		Secondary Lock			
		Seal			
		Mating Connector			
		Extraction Tool			
		Crimp Tool			
		Cavity Plug			
		Boots/Caps			

THREE-POSITION CONNECTORS

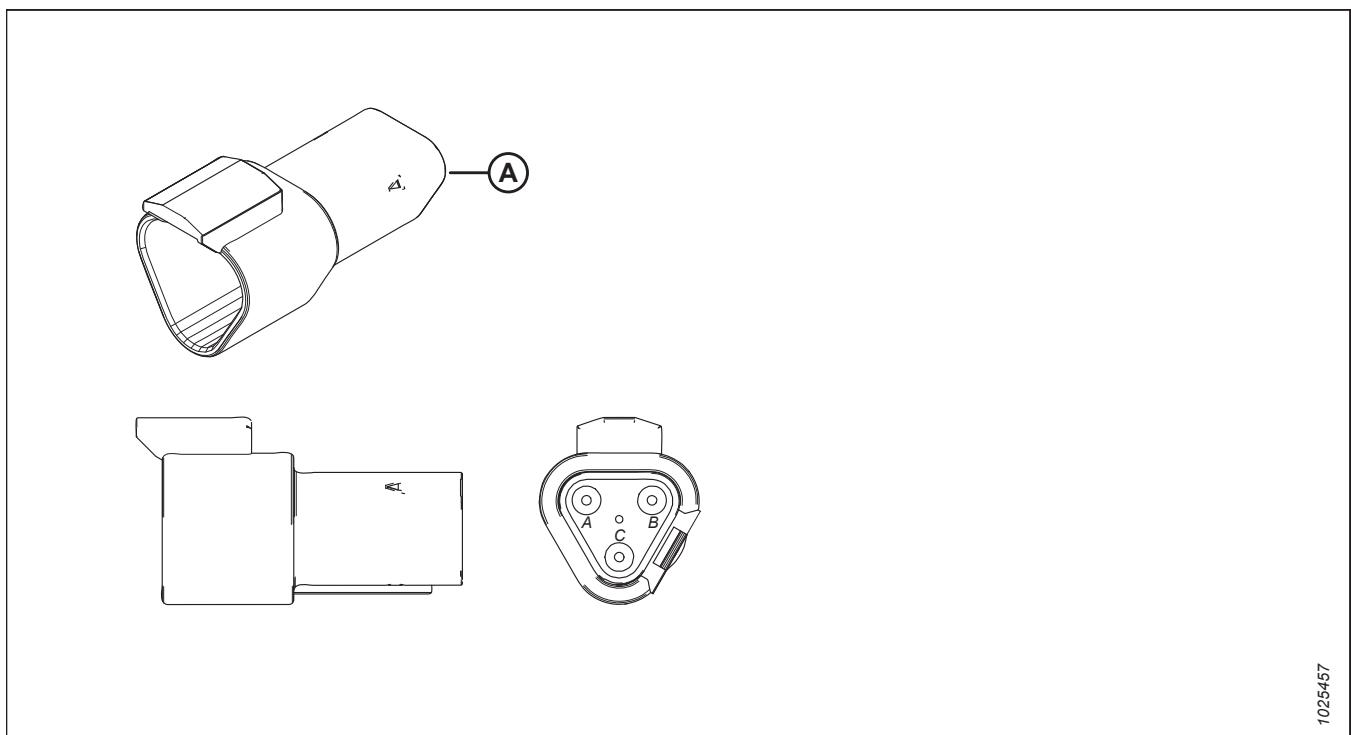
4.26



	MacDon Part #	Description	Manufacturer	Series	Manufacturer Part #	
A	134344	Connector – Plug (16–18 ga)	Deutsch	DT	DT06-3S-P032	
B	134026	Terminal – Socket		Size 16	0462-201-16141 (nickel), 0462-201-1631 (gold)	
C		Lock	Deutsch	DT	W3S-P012	
		Mating Connector	DT04-3P-E004, DT04-3P-E005, DT04-3P-EE01, DT04-3P-LE12			
		Extraction Tool				
		Crimp Tool				
		Boots/Caps	1011-345-0305			

THREE-POSITION CONNECTORS

4.27

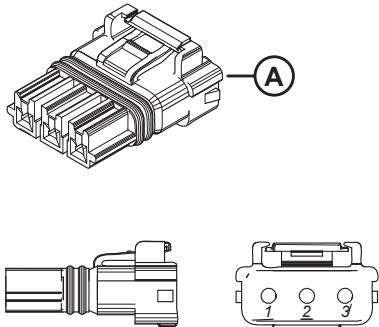


1025457

	MacDon Part #	Description	Manufacturer	Series	Manufacturer Part #
A		Connector – Receptacle	Deutsch	DT	DT04-3P-E004
		Terminal			
		Lock			
		Secondary Lock			
		Seal			
		Mating Connector			
		Extraction Tool			
		Crimp Tool			
		Cavity Plug			
		Boots/Caps			

THREE-POSITION CONNECTORS

4.28

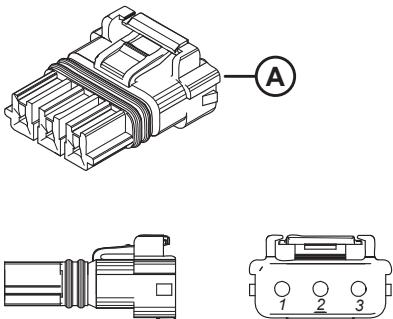


1025460

	MacDon Part #	Description	Manufacturer	Series	Manufacturer Part #
A		Connector – Plug	JST		WPJR-03V-2-R
		Terminal			
		Lock			
		Secondary Lock			
		Seal			
		Mating Connector		B03B-WPJRS-2 (LF) (SN)	
		Extraction Tool			
		Crimp Tool			
		Cavity Plug			
		Boots/Caps			

THREE-POSITION CONNECTORS

4.29

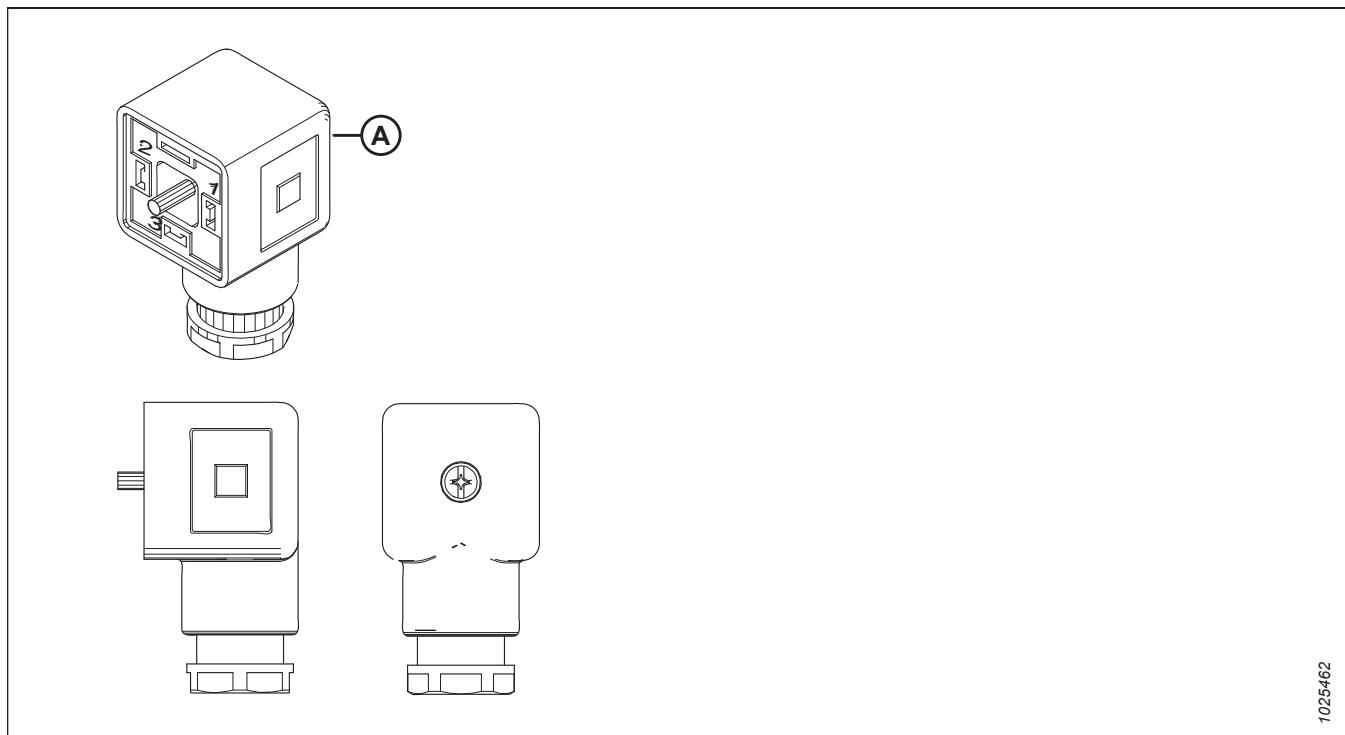


1025461

	MacDon Part #	Description	Manufacturer	Series	Manufacturer Part #
A		Connector – Plug	JST		WPJR-03V-3-E
		Terminal			
		Lock			
		Secondary Lock			
		Seal			
		Mating Connector	B03B-WPJES-3 (LF) (SN)		
		Extraction Tool			
		Crimp Tool			
		Cavity Plug			
		Boots/Caps			

THREE-POSITION CONNECTORS

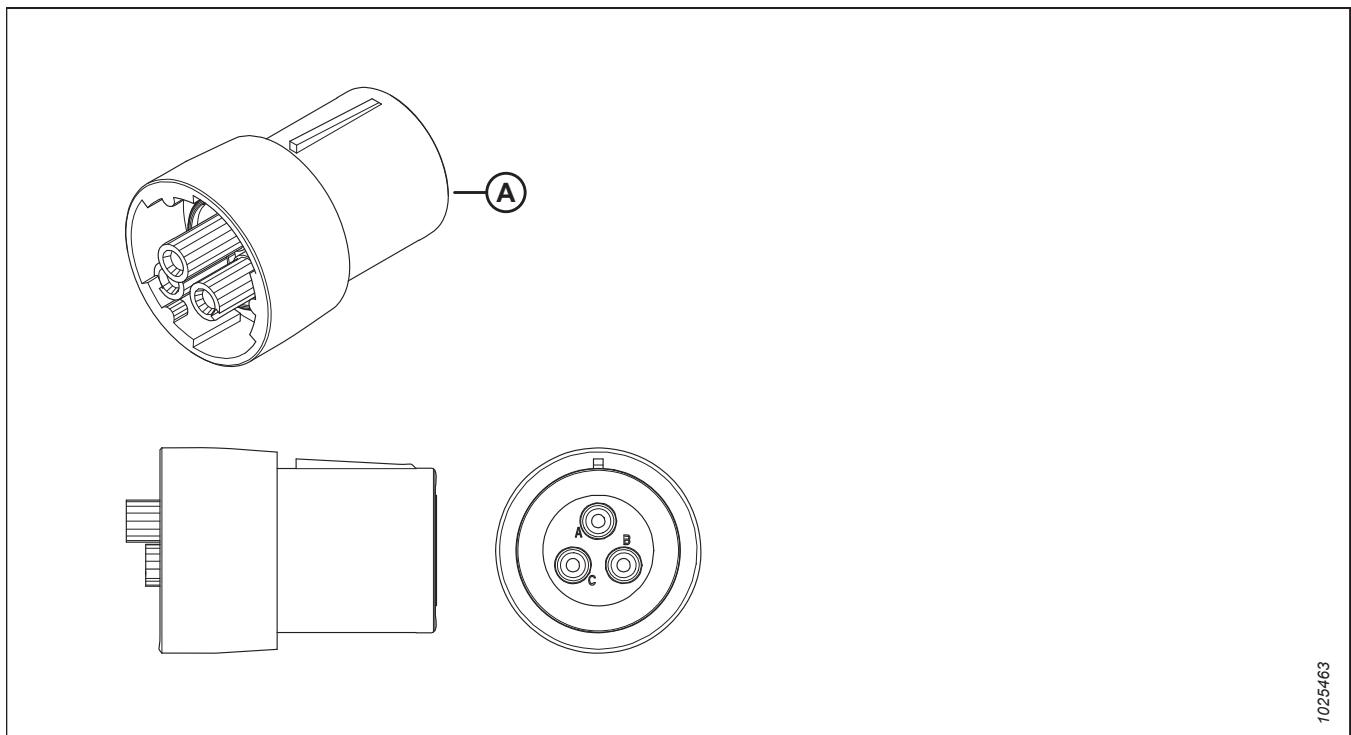
4.30



	MacDon Part #	Description	Manufacturer	Series	Manufacturer Part #
A		Connector – Housing	Hirschmann		932109-100
		Terminal			
		Lock			
		Secondary Lock			
		Seal			GDM3-17MPQ, GDM3-19VMQ, GDM3-16NBR
		Mating Connector			
		Extraction Tool			
		Crimp Tool			
		Cavity Plug			
		Boots/Caps			GDM3011-7

THREE-POSITION CONNECTORS

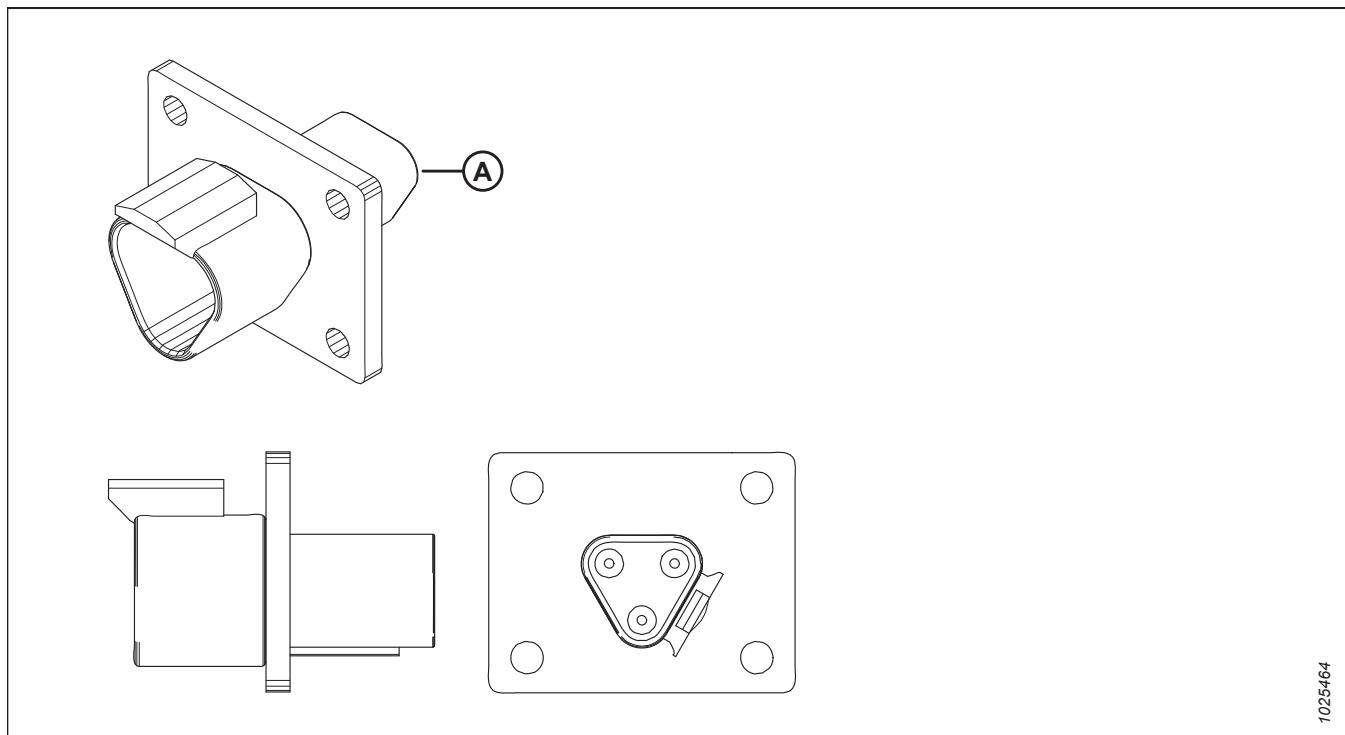
4.31



	MacDon Part #	Description	Manufacturer	Series	Manufacturer Part #
A		Connector	Deutsch		HD16-3-16S
		Terminal			
		Lock			
		Secondary Lock			
		Seal			
		Mating Connector			
		Extraction Tool			
		Crimp Tool			
		Cavity Plug			
		Boots/Caps			

THREE-POSITION CONNECTORS

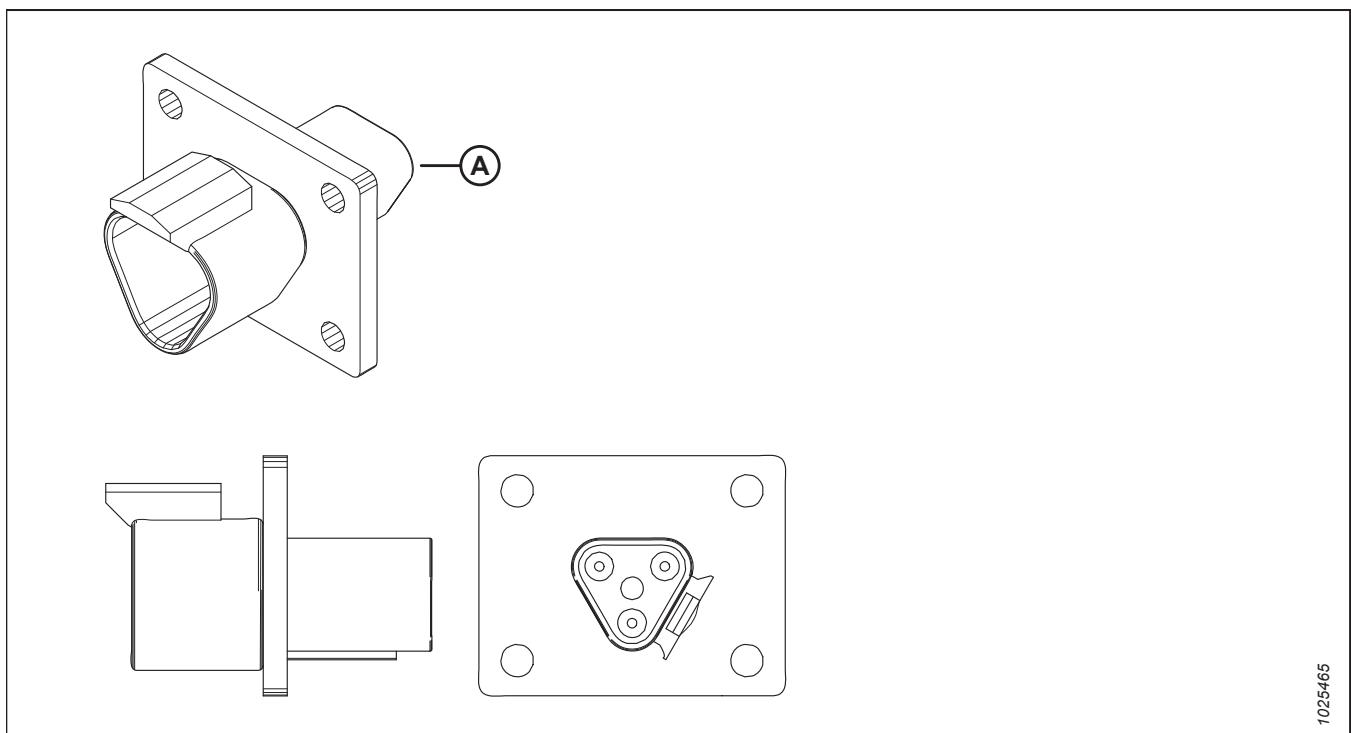
4.32



	MacDon Part #	Description	Manufacturer	Series	Manufacturer Part #
A		Connector – Receptacle	Deutsch	DT	DT04-3P-CL03
		Terminal			
		Lock			
		Secondary Lock			
		Seal			
		Mating Connector			
		Extraction Tool			
		Crimp Tool			
		Cavity Plug			
		Boots/Caps			

THREE-POSITION CONNECTORS

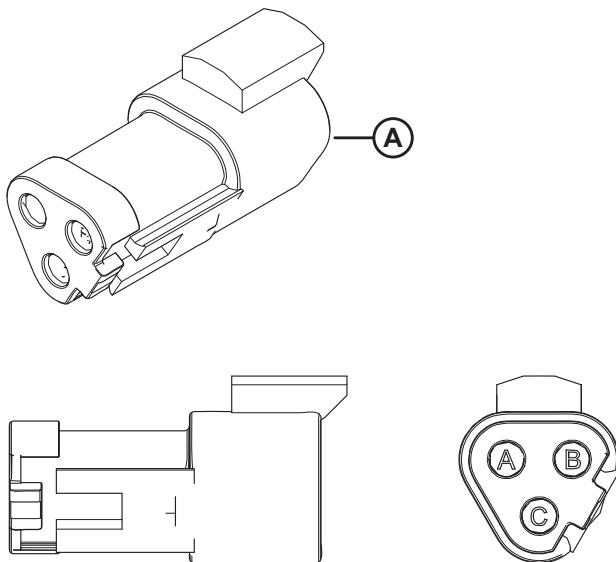
4.33



	MacDon Part #	Description	Manufacturer	Series	Manufacturer Part #
A		Connector – Receptacle	Deutsch	DT	DT04-3P-L012
		Terminal			
		Lock			
		Secondary Lock			
		Seal			
		Mating Connector			
		Extraction Tool			
		Crimp Tool			
		Cavity Plug			
		Boots/Caps			

THREE-POSITION CONNECTORS

4.34

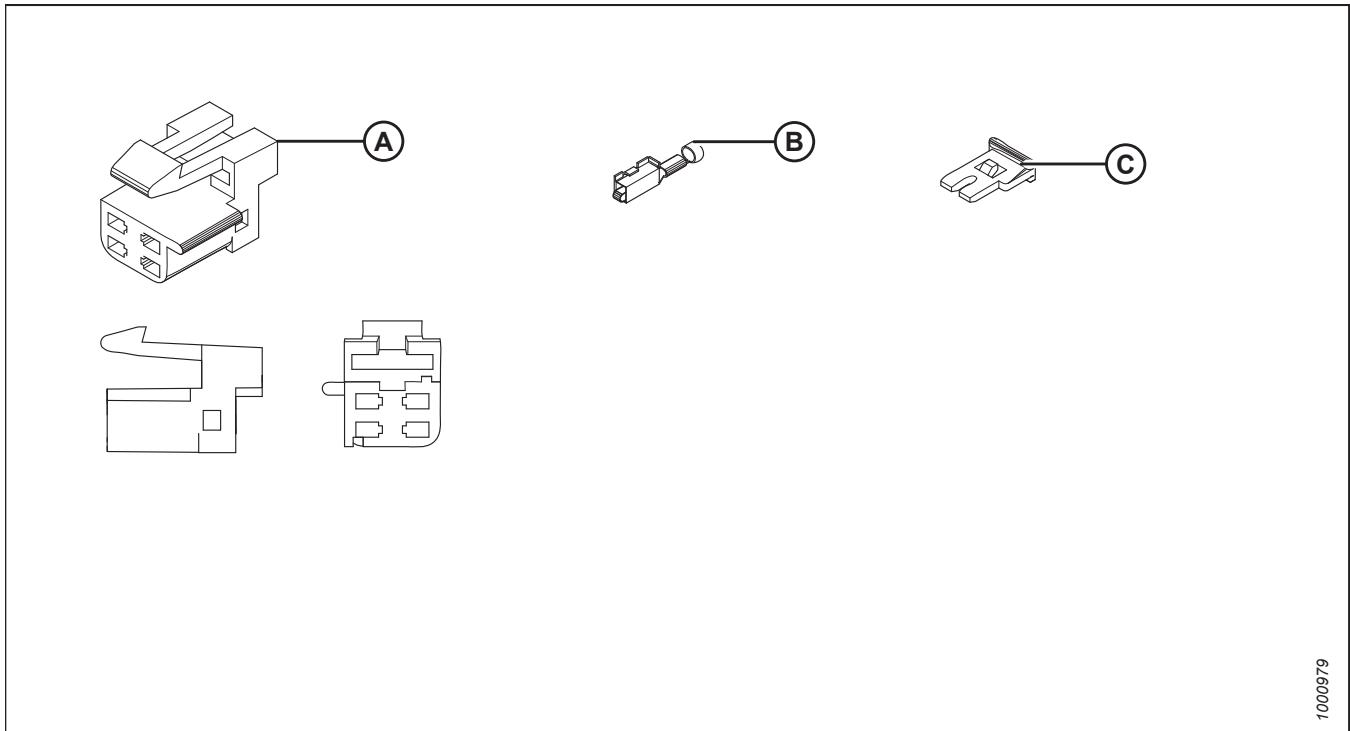


1035505

	MacDon Part #	Description	Manufacturer	Series	Manufacturer Part #
A	500470	Connector – Receptacle	Deutsch	DT	DT04-3P-EP10
B		Terminal			
		Lock			
		Secondary Lock			
		Seal			
		Mating Connector			
		Extraction Tool			
		Crimp Tool			
		Cavity Plug			
		Boots/Caps			

Chapter 5: Four-Position Connectors

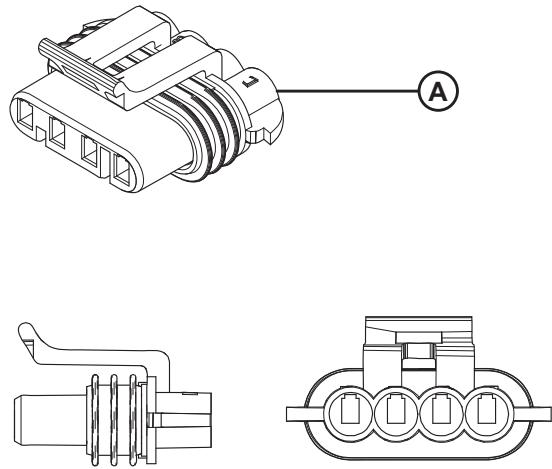
5.1



	MacDon Part #	Description	Manufacturer	Series	Manufacturer Part #
A		Connector – Plug	Delphi	M/P 150	12064760
B	134139	Terminal – Socket (16–20 ga)	Delphi	M/P 150	12047767 15317877 15326030 12064971
C	134140	Lock	Delphi	M/P 150	12047664
		Lock – Secondary			15324070
134158		Mating Connector		12065657, 12065658, 12064761, 12162624	
		Extraction Tool		12094429	
		Crimp Tool			

FOUR-POSITION CONNECTORS

5.2

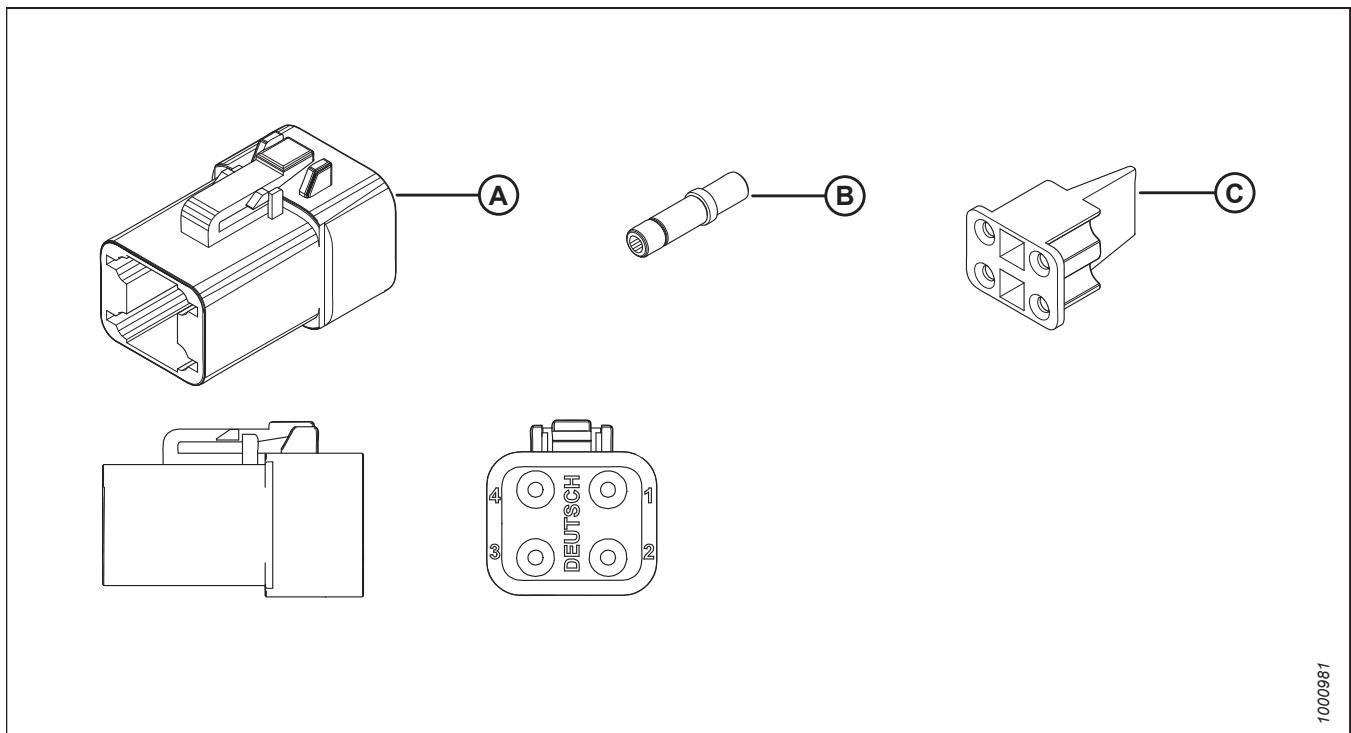


1000980

	MacDon Part #	Description	Manufacturer	Series	Manufacturer Part #
A		Connector – Plug	Delphi	M/P 150	12186568
		Terminal			15326225 12084200 12160222 15366078 15326396
		Lock – Secondary			12047948
134158		Mating Connector	12089282, 12124626, 12186271, 15357029		
		Extraction Tool	12094429		
		Crimp Tool			

FOUR-POSITION CONNECTORS

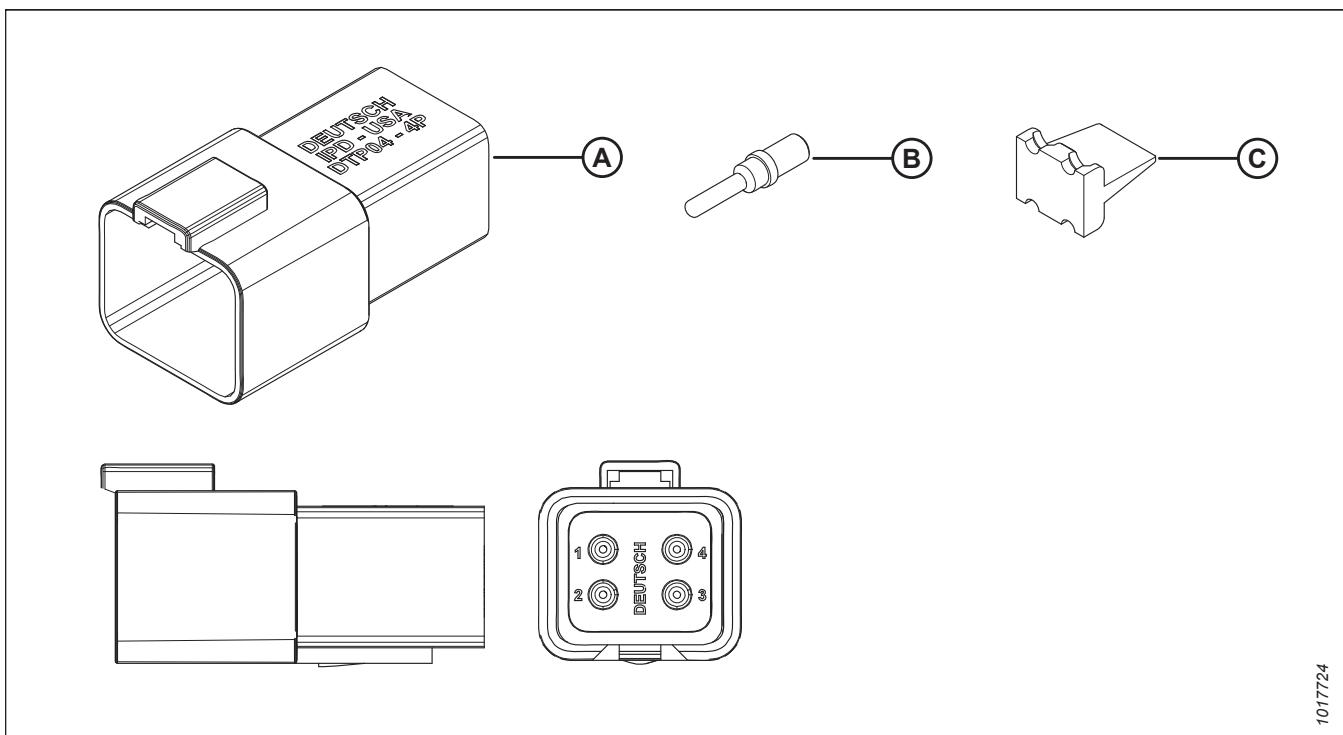
5.3



	MacDon Part #	Description	Manufacturer	Series	Manufacturer Part #	
A	134022	Connector – Plug (10–14 ga)	Deutsch	DTP	DTP06-4S	
B	134027	Terminal – Socket (12–14 ga)	Deutsch	Size 12	0462-203-12141 (nickel), 0462-210-1231 (gold)	
C	134025	Lock	Deutsch	DTP	WP-4S	
		Mating Connector	DTP04-4P			
		Extraction Tool				
		Crimp Tool				

FOUR-POSITION CONNECTORS

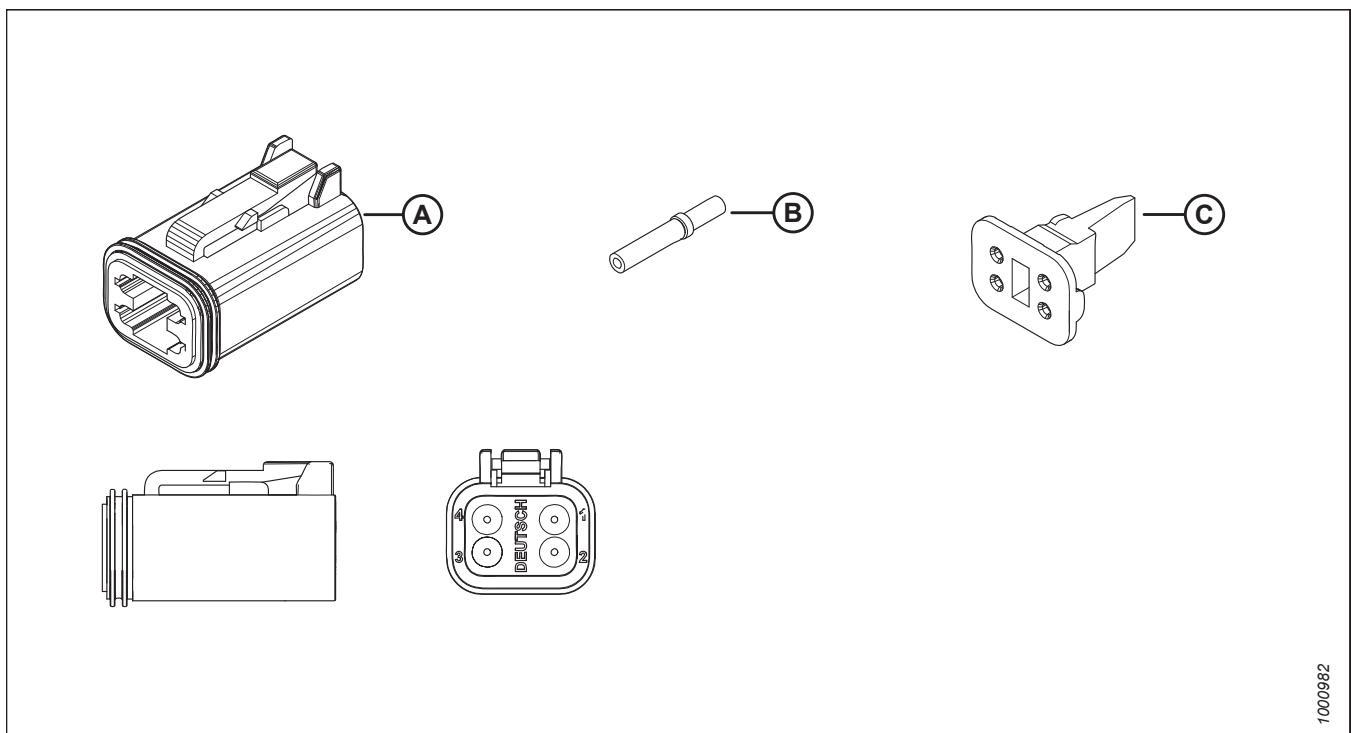
5.4



	MacDon Part #	Description	Manufacturer	Series	Manufacturer Part #	
A		Connector – Receptacle	Deutsch	DTP	DTP04-4P	
B	134024	Terminal – Pin	Deutsch	Size 12	0460-204-12141 (nickel), 0460-220-1231 (gold)	
C	134393	Lock	Deutsch	DTP	WP-4P	
			DTP06-4S			
	134022	Mating Connector				
		Extraction Tool				
			Crimp Tool			

FOUR-POSITION CONNECTORS

5.5

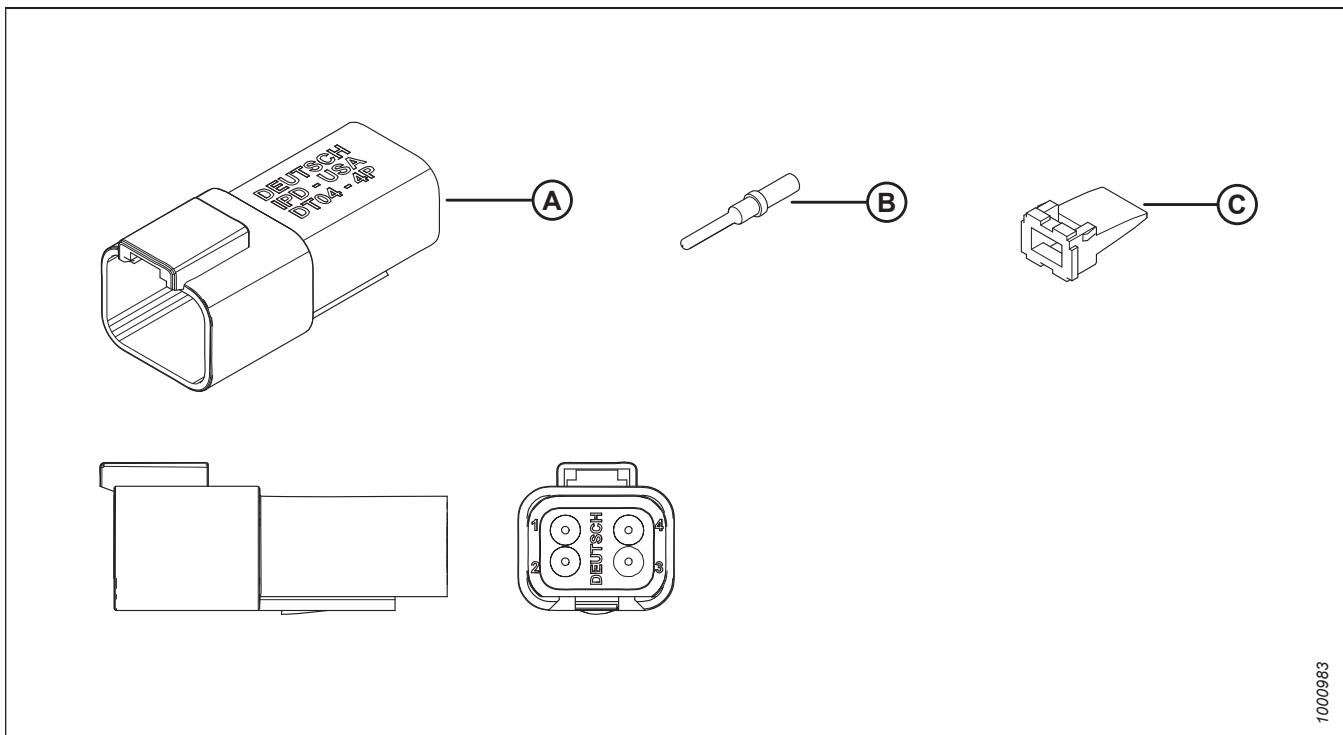


1000982

	MacDon Part #	Description	Manufacturer	Series	Manufacturer Part #	
A	134033	Connector – Plug (16–24 ga)	Deutsch	DT	DT06-4S-P012	
B	134026	Terminal – Socket (16–18 ga)	Deutsch	Size 16	0462-201-16141 (nickel), 0462-201-1631 (gold)	
C	134035	Lock	Deutsch	DT	W4S-P012	
	134032 134033	Mating Connector	DT04-4P or DT04-4P-L012			
		Extraction Tool				
	134015	Crimp Tool	HDT-48-00			

FOUR-POSITION CONNECTORS

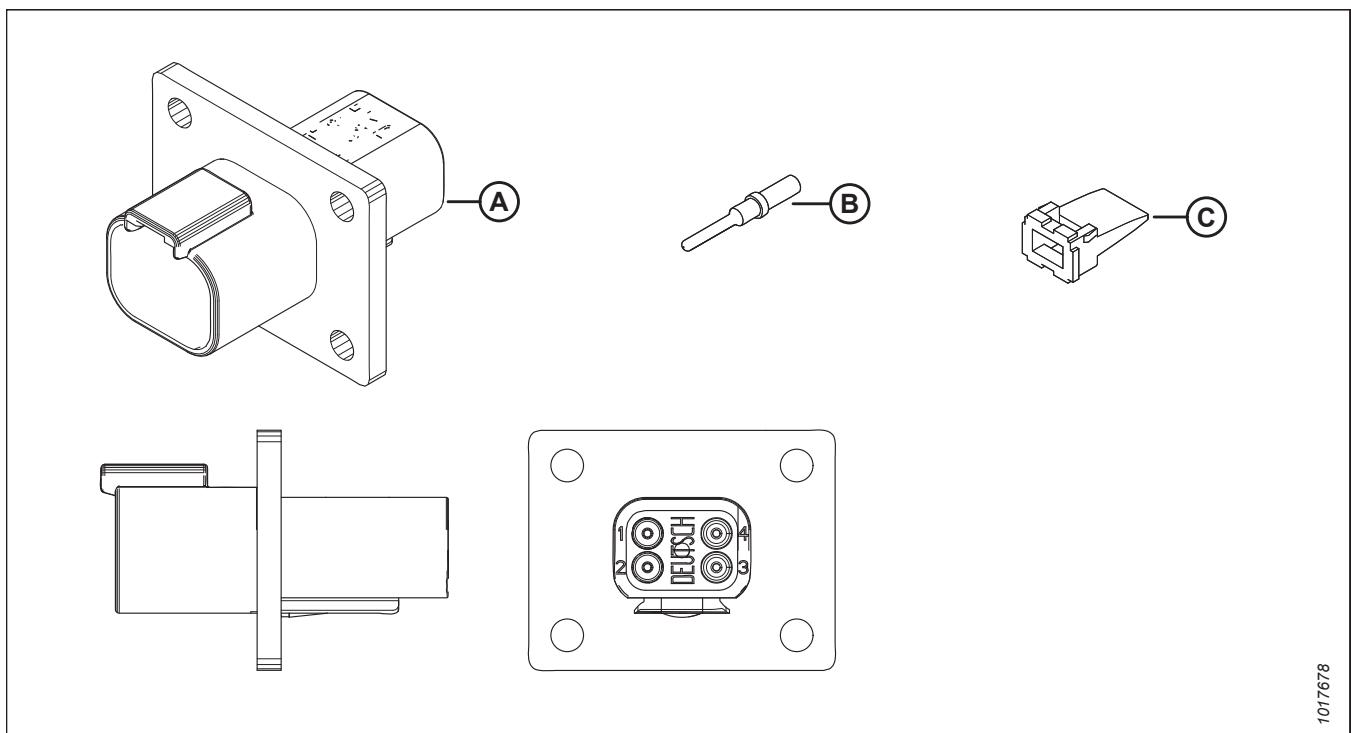
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	MacDon Part #	Description	Manufacturer	Series	Manufacturer Part #
A	134032	Connector – Receptacle (16–24 ga)	Deutsch	DT	DT04-4P
B	134023	Terminal – Pin (16–18 ga)	Deutsch	Size 16	0460-202-16141 (nickel), 0460-202-1631 (gold)
C	134034	Lock	Deutsch	DT	W4P
	134033	Mating Connector	DT06-4S-P012		
		Extraction Tool			
	134015	Crimp Tool	HDT-48-00		

FOUR-POSITION CONNECTORS

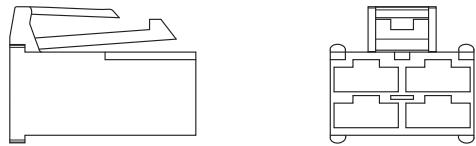
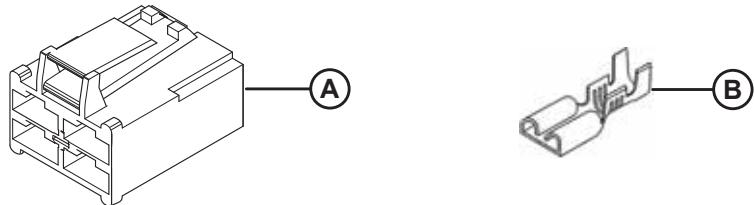
5.7



	MacDon Part #	Description	Manufacturer	Series	Manufacturer Part #	
A		Connector – Receptacle (16–24 ga)	Deutsch	DT	DT04-4P-L012	
B	134023	Terminal – Pin (16–18 ga)	Deutsch	Size 16	0460-202-16141 (nickel), 0460-202-1631 (gold)	
C	134034	Lock	Deutsch	DT	W4P	
	134033	Mating Connector	DT06-4S-P012			
		Extraction Tool				
		Crimp Tool	HDT-48-00			

FOUR-POSITION CONNECTORS

5.8

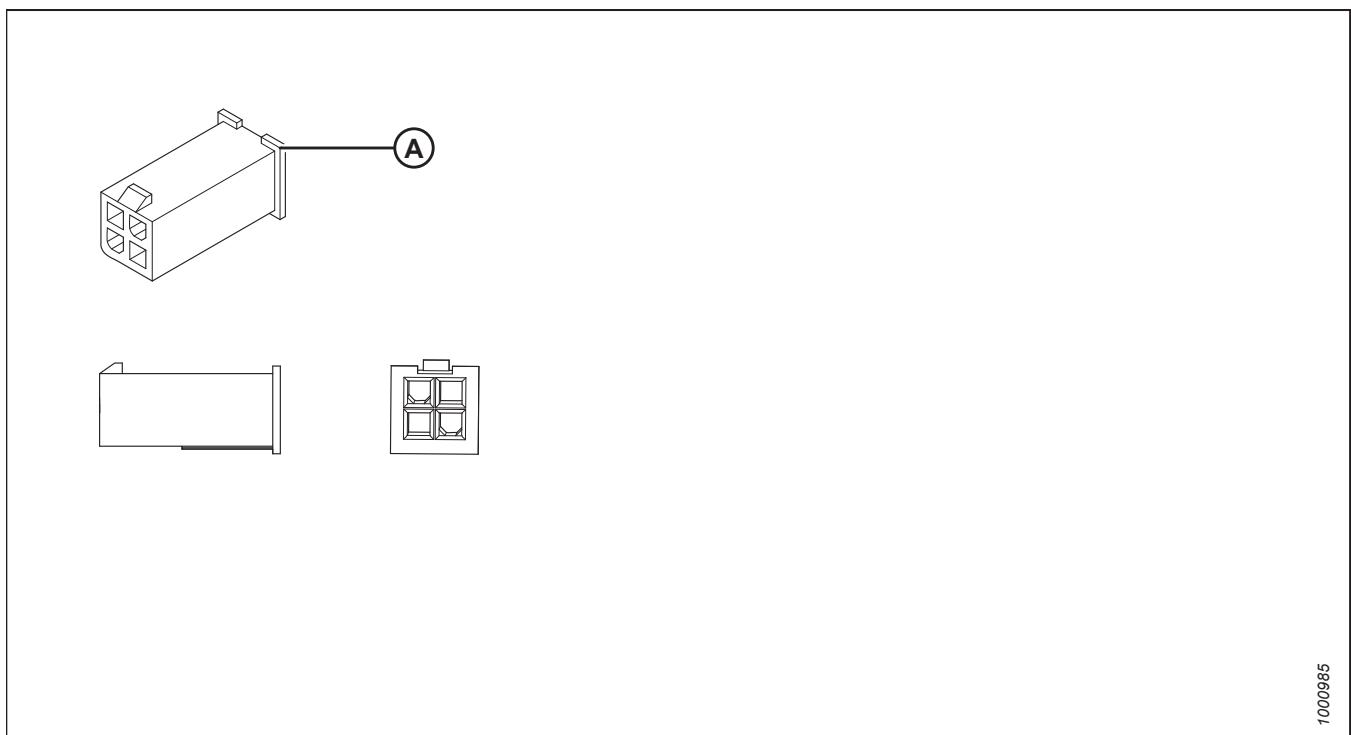


1017729

	MacDon Part #	Description	Manufacturer	Series	Manufacturer Part #
A		Connector – Plug	Fargo Assembly		MEI123-2845
B	134097	Terminal – Socket	Fargo Assembly		ST730268-1
		Mating Connector			
		Extraction Tool			
		Crimp Tool			

FOUR-POSITION CONNECTORS

5.9

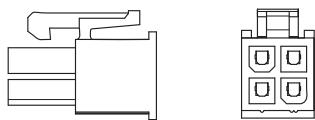
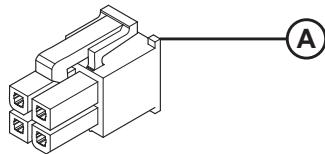


1000985

	MacDon Part #	Description	Manufacturer	Series	Manufacturer Part #
A		Connector – Receptacle	Molex	MFJ	39-01-3043
	134151	Terminal – Pin	Molex	MFJ	39-00-0040 39-00-0041 39-00-0075
		Mating Connector			39-01-2040, 39-01-2045, 39-01-3042
		Extraction Tool			
		Crimp Tool			

FOUR-POSITION CONNECTORS

5.10

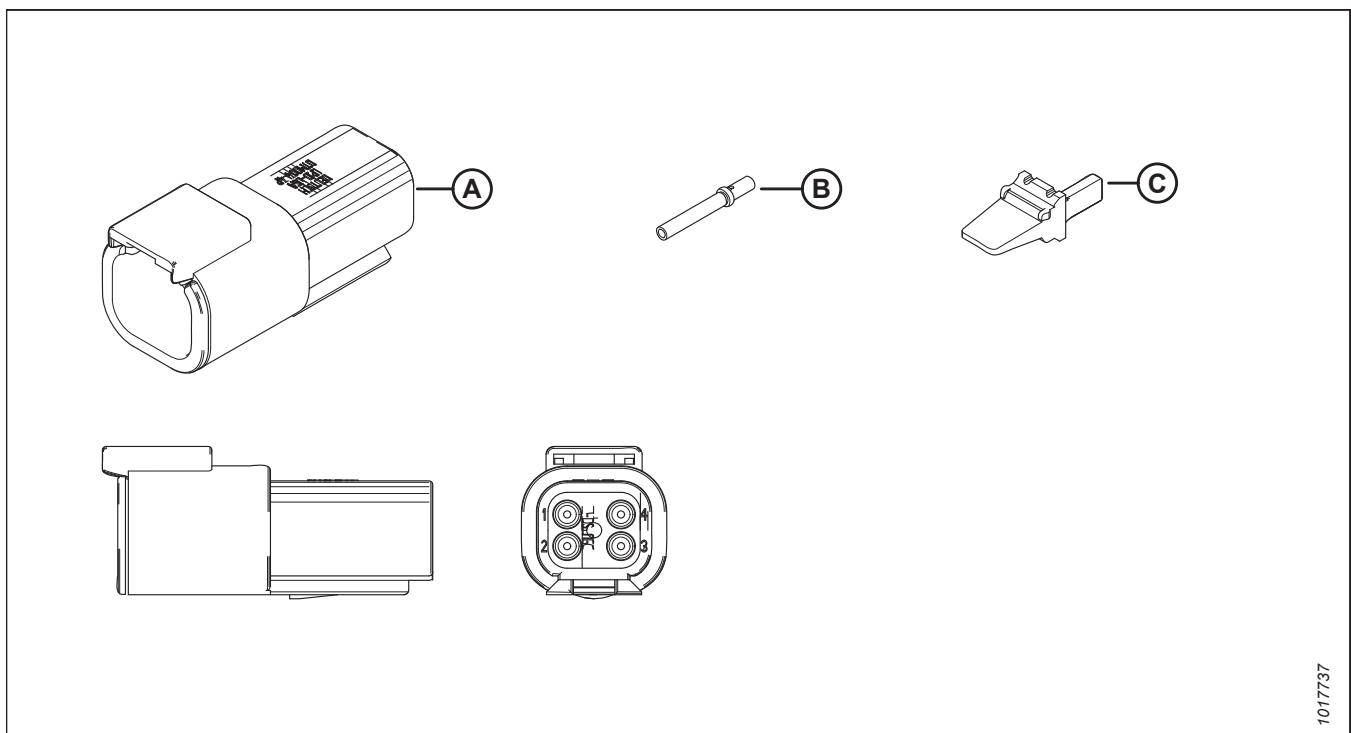


1000986

	MacDon Part #	Description	Manufacturer	Series	Manufacturer Part #
A		Connector – Plug	Molex	MFJ	39-01-2040
	134149	Terminal – Socket (18–24 ga)	Molex	MFJ	39-00-0428 39-00-0046 39-00-0038
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		Mating Connector	39-01-3043, 39-01-2041, 39-30-1040		
		Extraction Tool			
		Crimp Tool			

FOUR-POSITION CONNECTORS

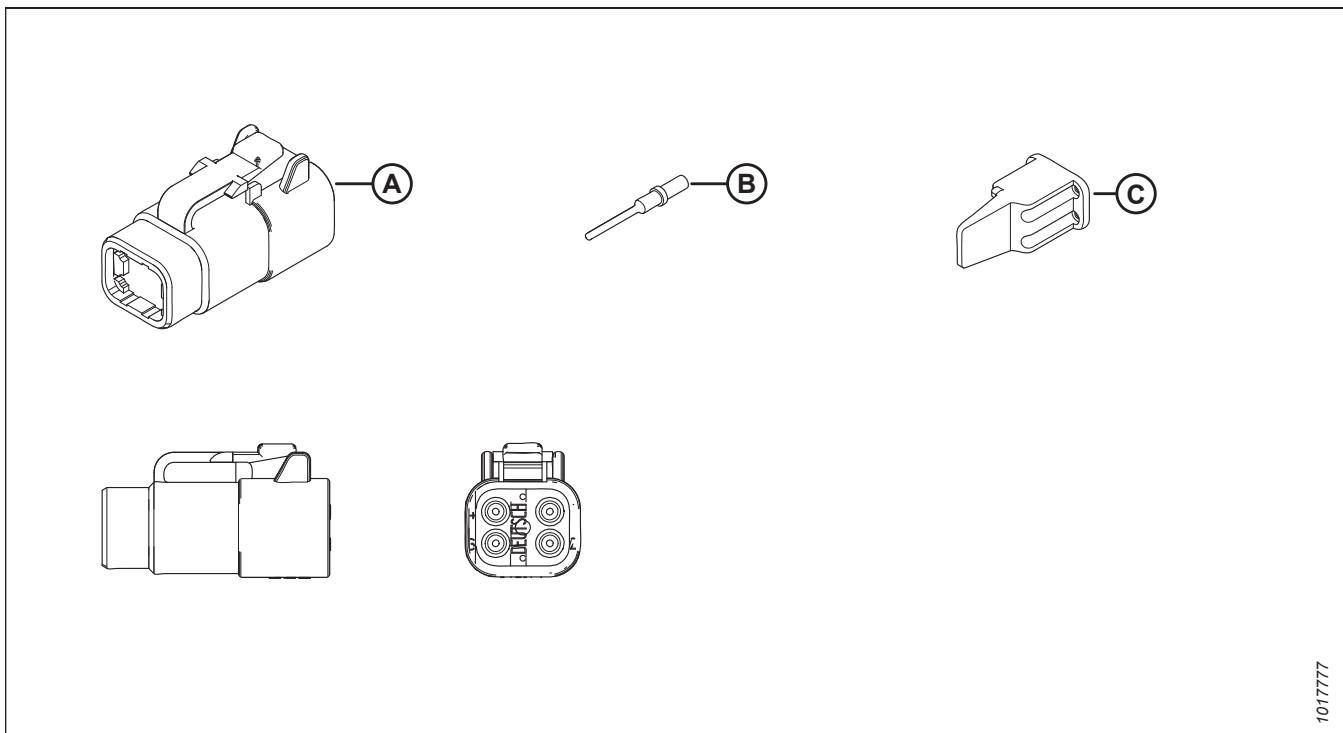
5.11



	MacDon Part #	Description	Manufacturer	Series	Manufacturer Part #
A		Connector – Plug (20–24 ga)	Deutsch	DTM	DTM04-4P
B	134017	Terminal – Socket (20–24 ga)	Deutsch	Size 20	0462-201-20141 (nickel), 0462-201-2031 (gold)
C		Lock	Deutsch	DTM	WM-4P
		Mating Connector	DTM06-4S		
	134012 134013	Extraction Tool	0411-240-2005, 0411-310-605		
		Crimp Tool			

FOUR-POSITION CONNECTORS

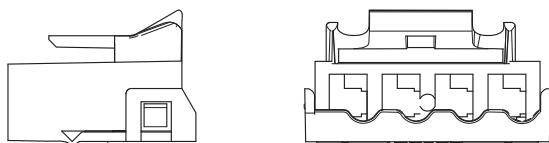
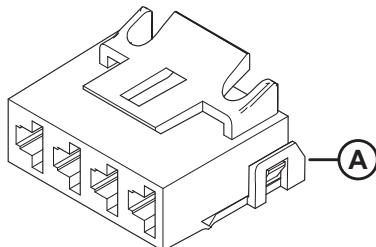
5.12



	MacDon Part #	Description	Manufacturer	Series	Manufacturer Part #	
A		Connector – Receptacle (20–24 ga)	Deutsch	DTM	DTM06-4S	
B	134016	Terminal – Pin (20–24 ga)	Deutsch	Size 20	0460-202-20141 (nickel), 0460-202-2031 (gold)	
C		Lock	Deutsch	DTM	WM-4S	
		Mating Connector	DTM04-4P			
		Extract Tool				
		Crimp Tool				

FOUR-POSITION CONNECTORS

5.13

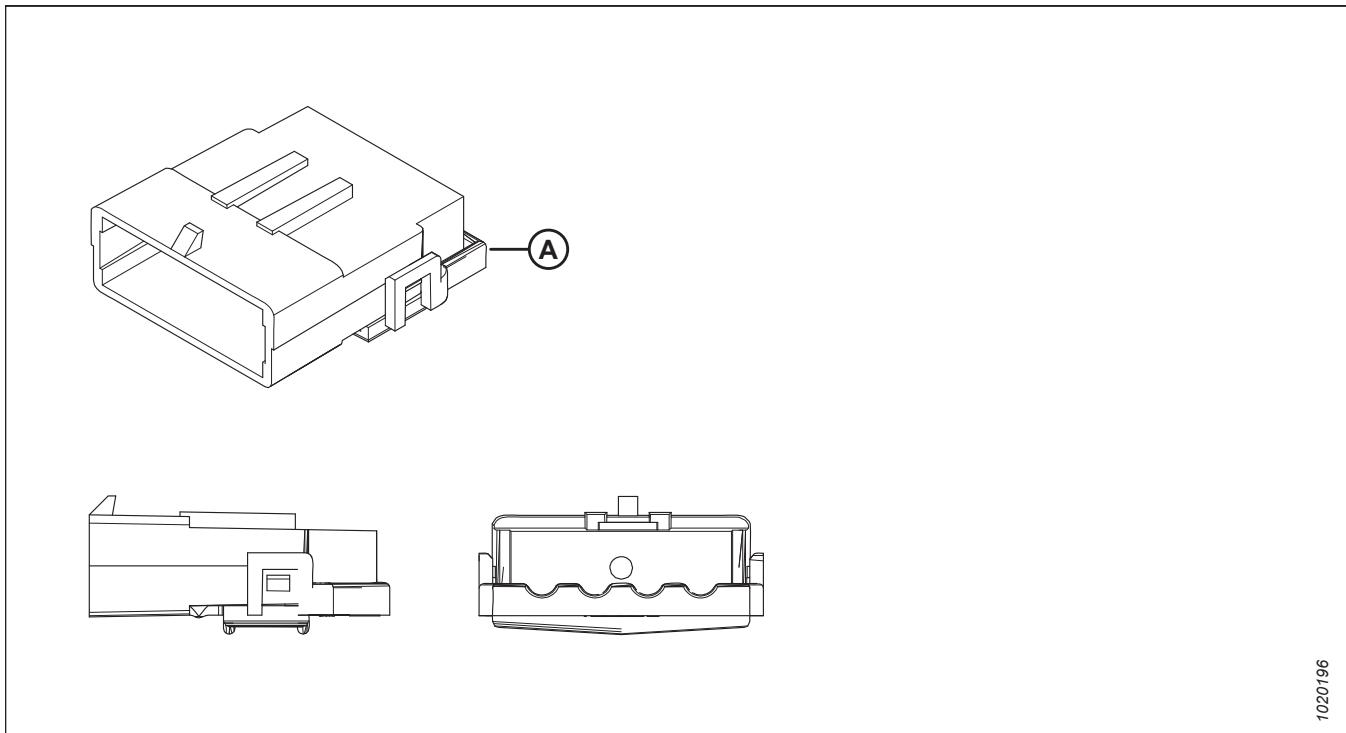


1020195

	MacDon Part #	Description	Manufacturer	Series	Manufacturer Part #
A		Connector – Plug	Delphi		12015664
		Terminal	Delphi		12015869
		Mating Connector		12052623	
		Extraction Tool			
		Crimp Tool			

FOUR-POSITION CONNECTORS

5.14

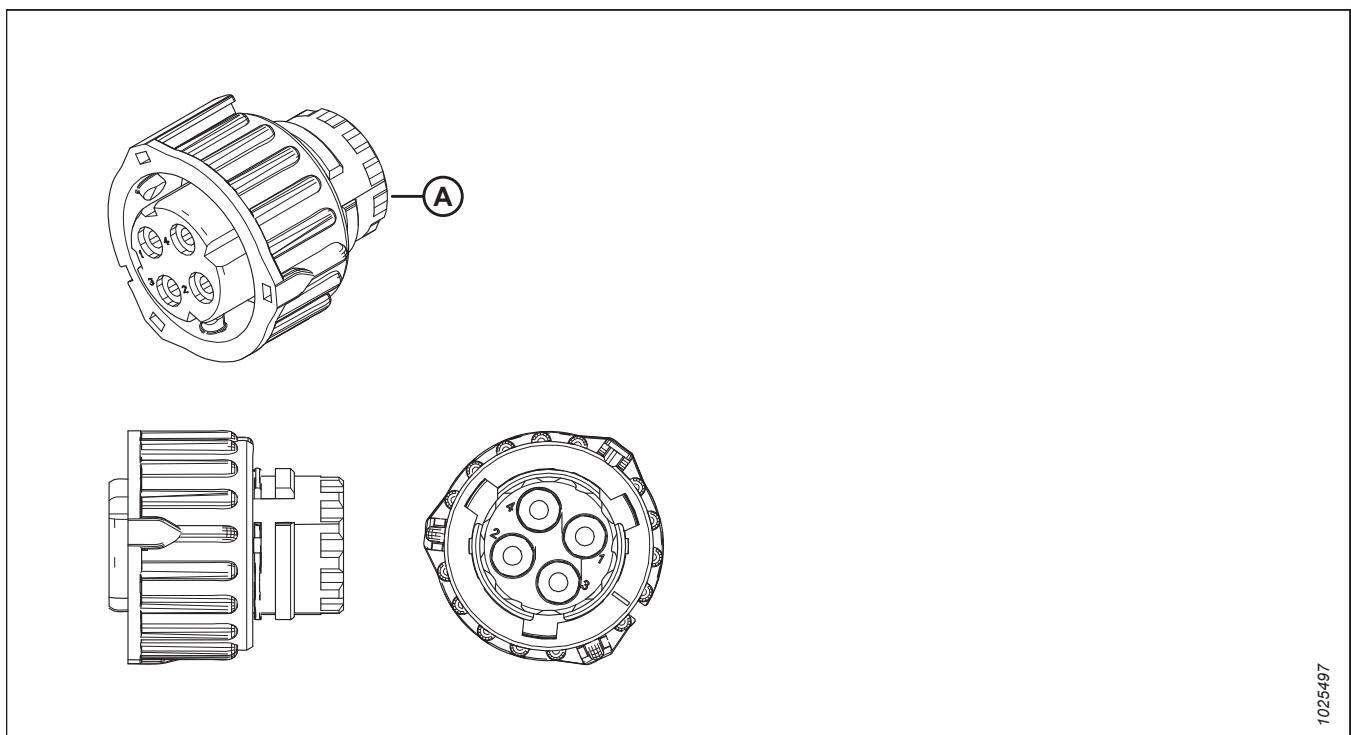


1020196

	MacDon Part #	Description	Manufacturer	Series	Manufacturer Part #
A		Connector – Receptacle	Delphi		12052623
		Terminal	Delphi		12020125
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		Mating Connector	12015664		
		Extraction Tool			
		Crimp Tool			

FOUR-POSITION CONNECTORS

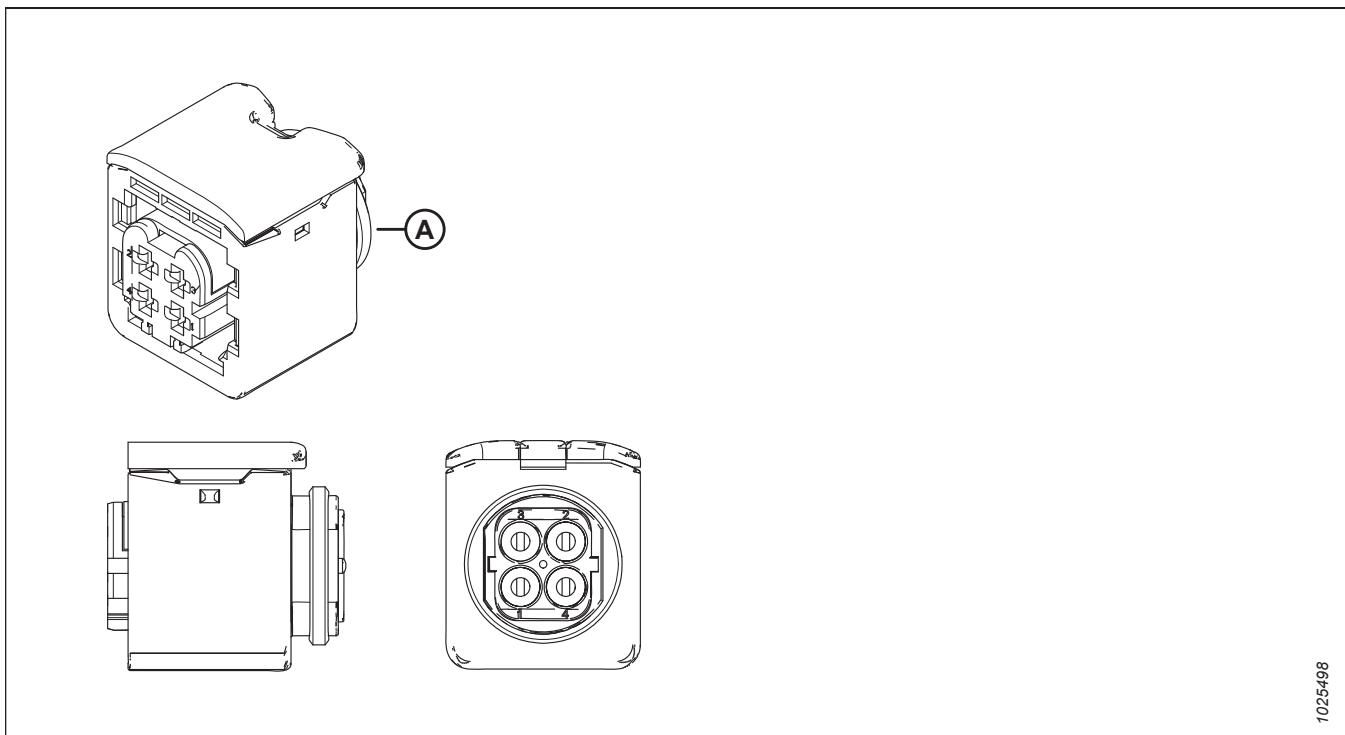
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	MacDon Part #	Description	Manufacturer	Series	Manufacturer Part #
A		Connector – Plug	Tyco		1-967325-1
		Terminal			929974, 929975, 962981
		Lock			
		Secondary Lock			
		Seal			
		Mating Connector			1-967402-1, 1703780-1
		Extraction Tool			
		Crimp Tool			
		Cavity Plug			
		Boots/Caps			

FOUR-POSITION CONNECTORS

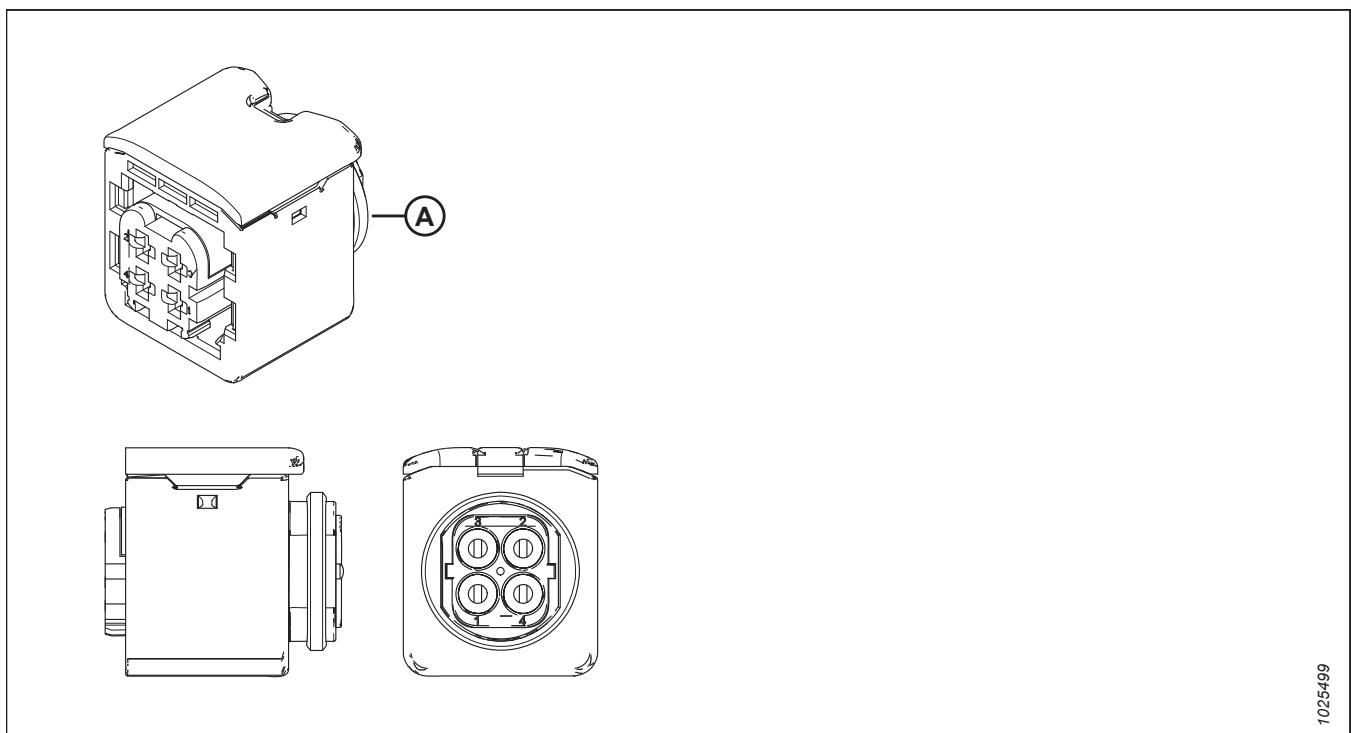
5.16



	MacDon Part #	Description	Manufacturer	Series	Manufacturer Part #
A		Connector – Plug	Tyco	HDSCS	1-1418390-1
		Terminal			
		Lock			
		Secondary Lock			
		Seal			
		Mating Connector		1-1703818-1, 1-1703808-1	
		Extraction Tool			
		Crimp Tool			
		Cavity Plug			
		Boots/Caps			

FOUR-POSITION CONNECTORS

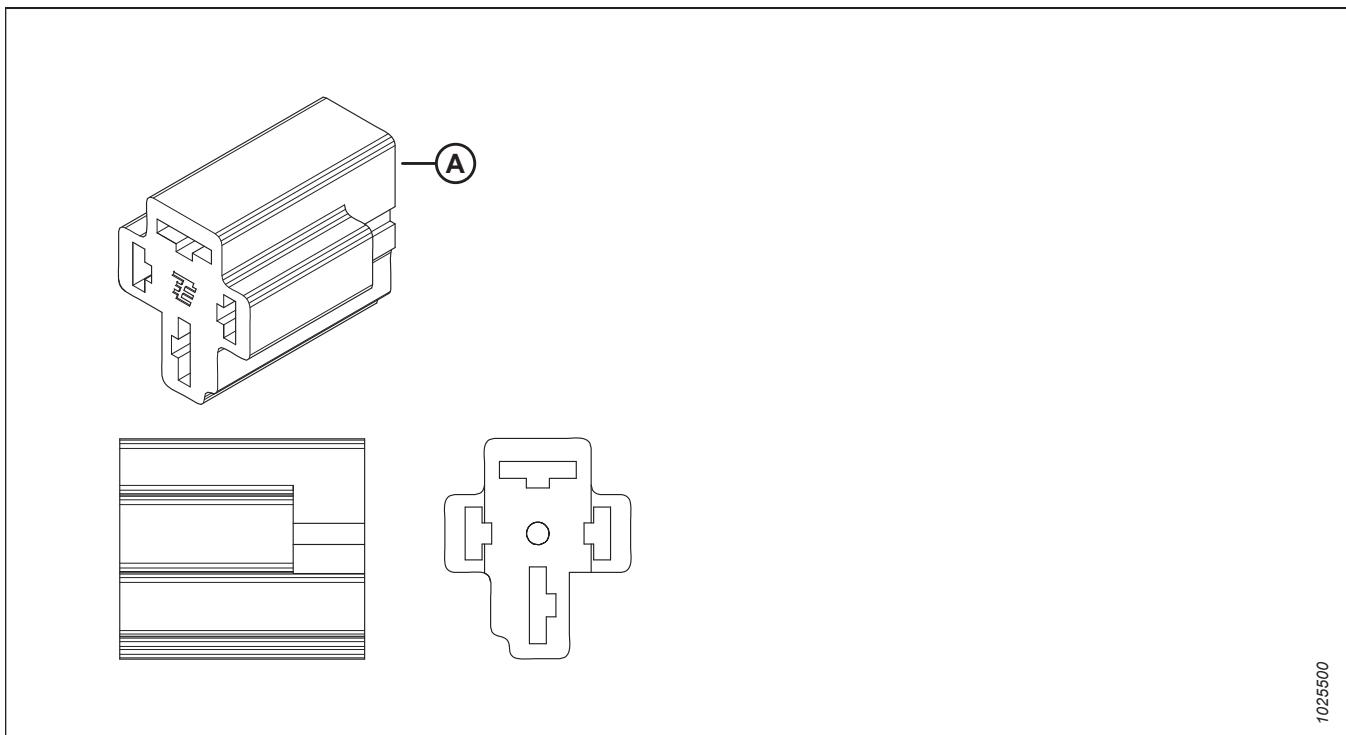
5.17



	MacDon Part #	Description	Manufacturer	Series	Manufacturer Part #
A		Connector – Plug	Tyco	HDSCS	1-1418390-2
		Terminal			
		Lock			
		Secondary Lock			
		Seal			
		Mating Connector			
		Extraction Tool			
		Crimp Tool			
		Cavity Plug			
		Boots/Caps			

FOUR-POSITION CONNECTORS

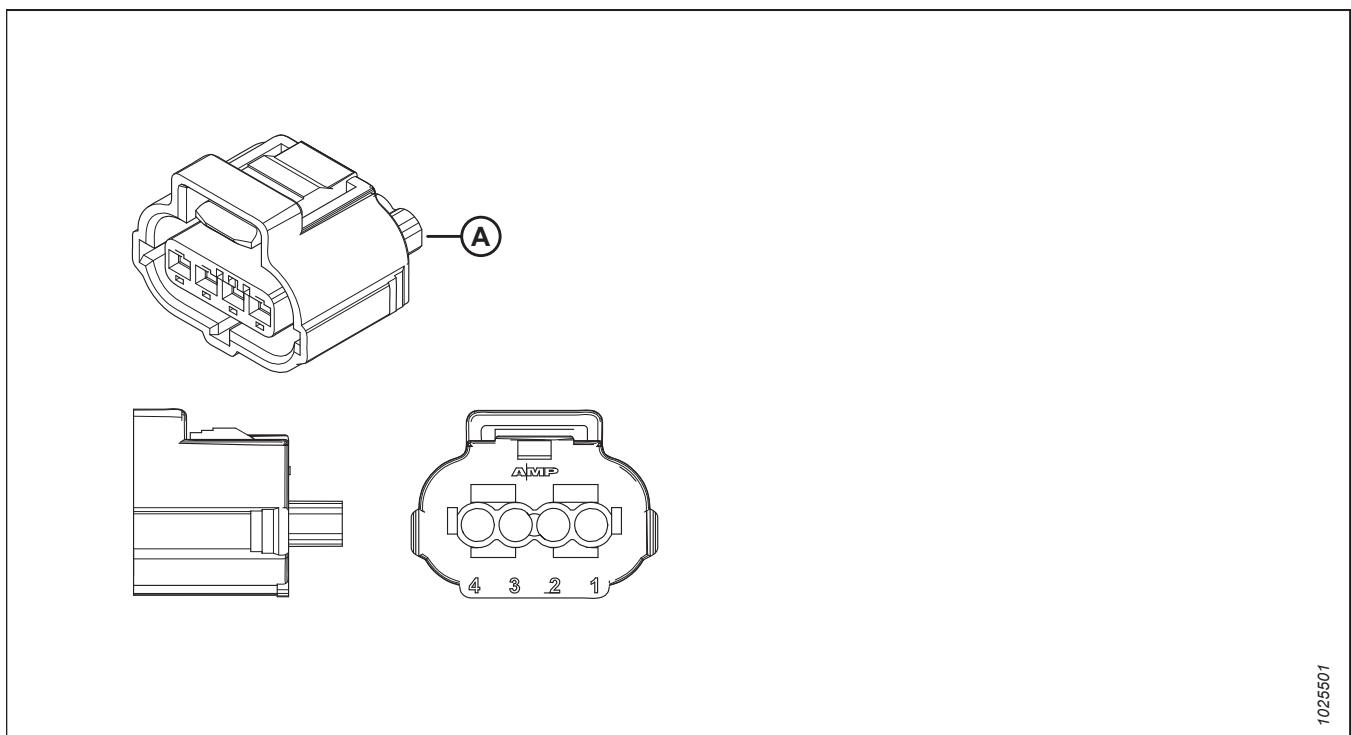
5.18



	MacDon Part #	Description	Manufacturer	Series	Manufacturer Part #
A		Connector – Relay Socket	Tyco		1393310-4
		Terminal			42281-1, 280756-4
		Lock			
		Secondary Lock			
		Seal			
		Mating Connector			
		Extraction Tool			
		Crimp Tool			
		Cavity Plug			
		Boots/Caps			

FOUR-POSITION CONNECTORS

5.19

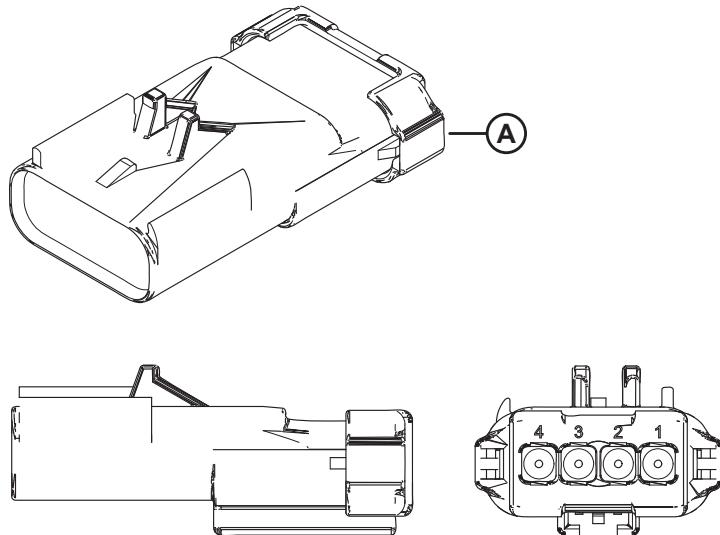


1025501

	MacDon Part #	Description	Manufacturer	Series	Manufacturer Part #
A		Connector – Plug	Tyco		184046-1
		Terminal			
		Lock			
		Secondary Lock			
		Seal			
		Mating Connector			
		Extraction Tool			
		Crimp Tool			
		Cavity Plug			
		Boots/Caps			

FOUR-POSITION CONNECTORS

5.20

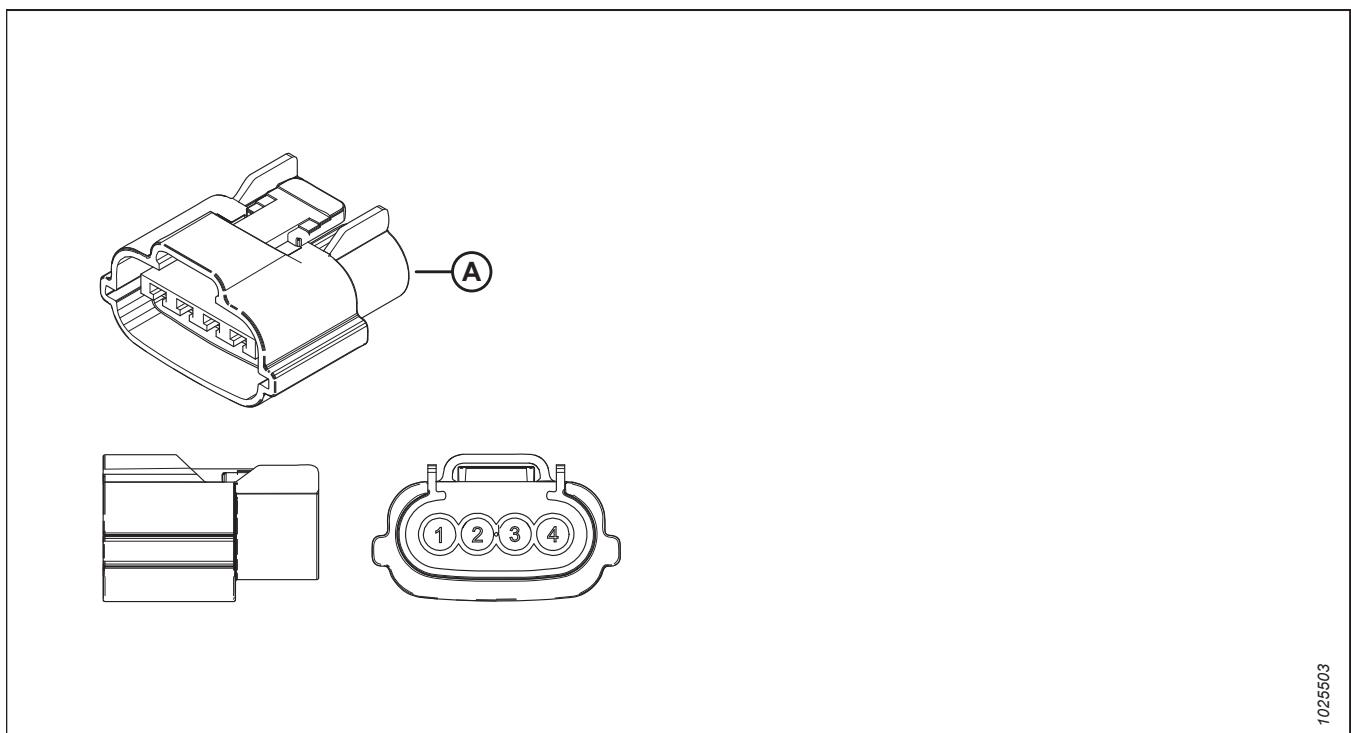


1025502

	MacDon Part #	Description	Manufacturer	Series	Manufacturer Part #
A		Connector – Receptacle	Delphi		54200415
		Terminal			54001001, 54001027, 54001301, 54001401, 54001441, 54001801, 54001818, 54001819, 54002201, 54002228, 54002229, 54002230
		Lock			
		Secondary Lock			
		Seal			
		Mating Connector			
		Extraction Tool			
		Crimp Tool			
		Cavity Plug			
		Boots/Caps			

FOUR-POSITION CONNECTORS

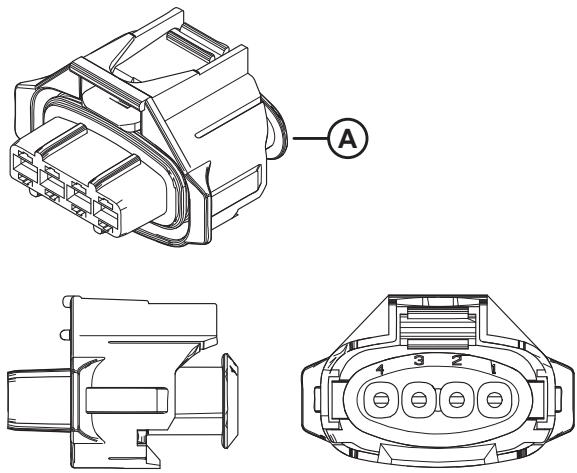
5.21



	MacDon Part #	Description	Manufacturer	Series	Manufacturer Part #
A		Connector – Plug	Sumitomo		6098-0144
		Terminal			
		Lock			
		Secondary Lock			
		Seal			
		Mating Connector			
		Extraction Tool			
		Crimp Tool			
		Cavity Plug			
		Boots/Caps			

FOUR-POSITION CONNECTORS

5.22

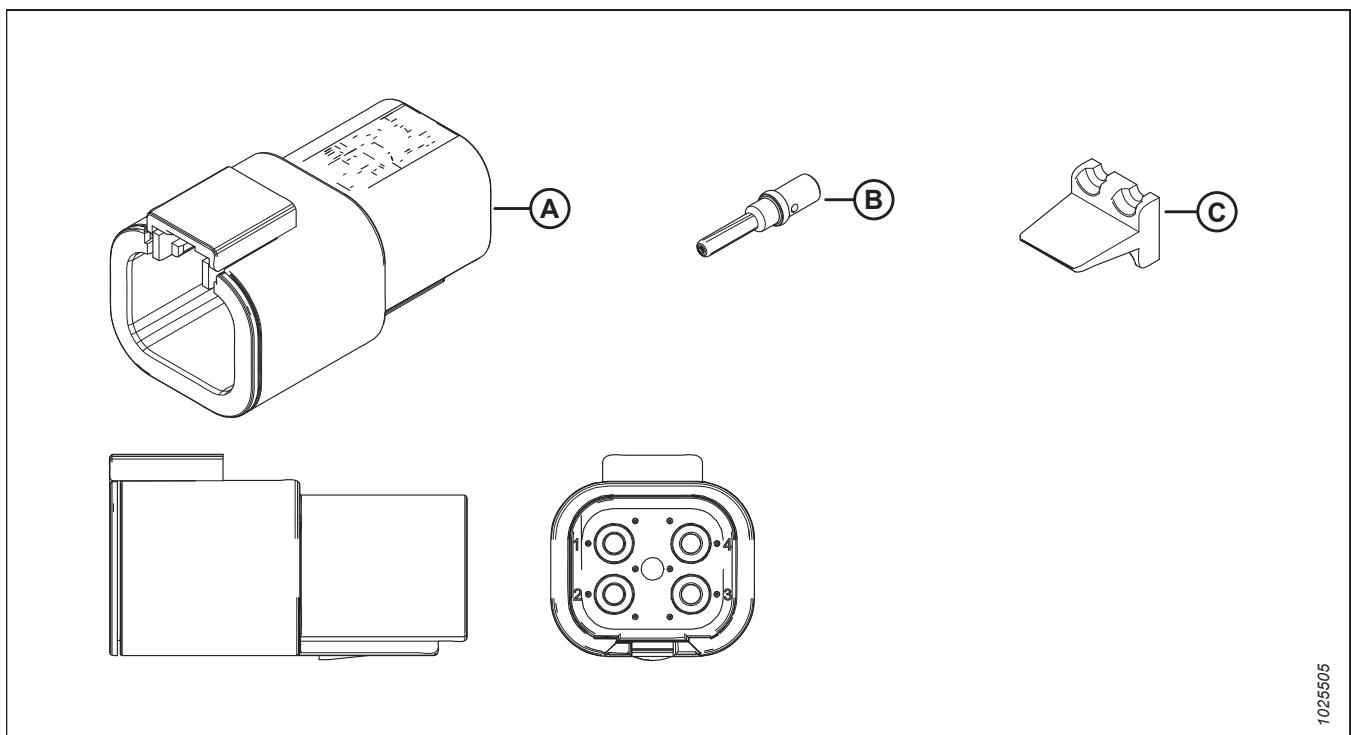


1025504

	MacDon Part #	Description	Manufacturer	Series	Manufacturer Part #
A		Connector – Plug	Bosch		192840373
		Terminal			1928498054, 1928498056, 1928498057, 1928498062
		Lock			
		Secondary Lock			
		Seal			1928300599, 1928300600, 1928300601
<hr/>					
		Mating Connector			
		Extraction Tool			134312 Extraction Tool for Bosch BDK / BSK 2.8
		Crimp Tool			
		Cavity Plug			
		Boots/Caps			

FOUR-POSITION CONNECTORS

5.23

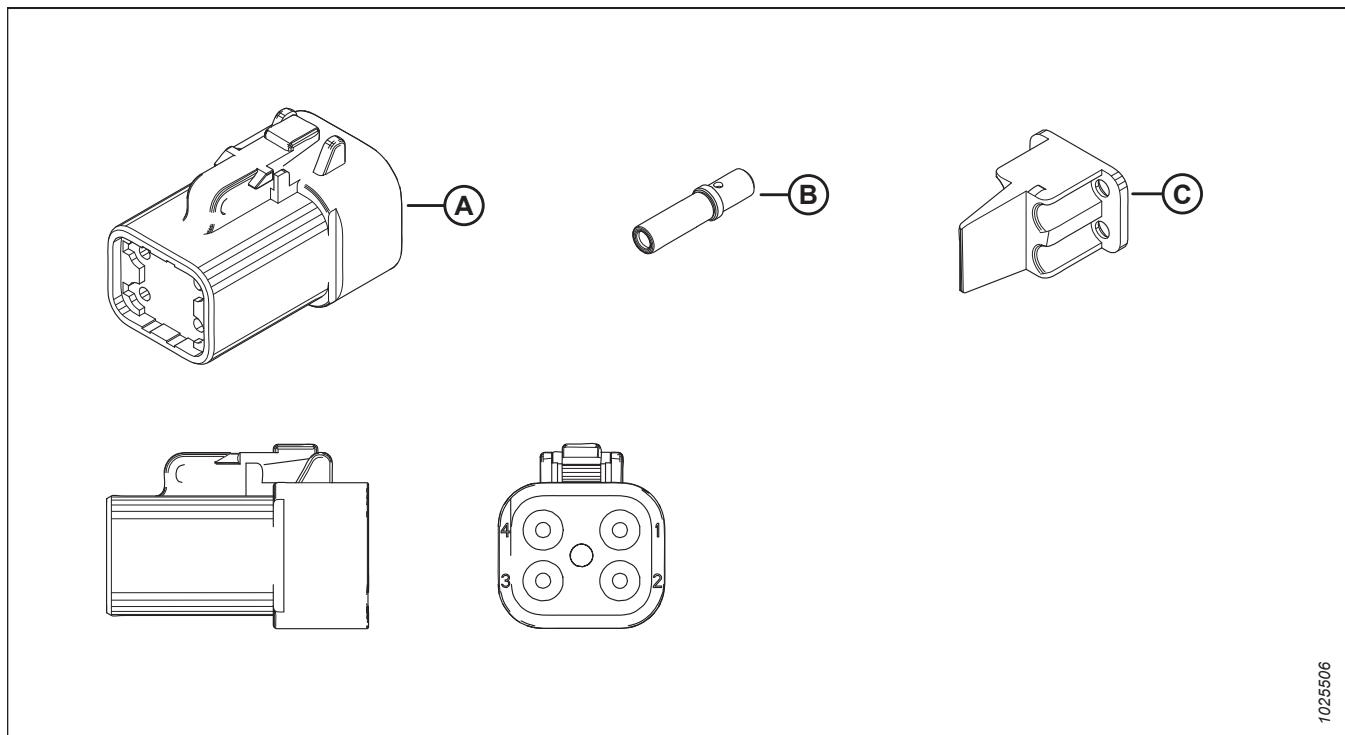


1025505

	MacDon Part #	Description	Manufacturer	Series	Manufacturer Part #
A		Connector – Receptacle	Deutsch	DTP	DTP04-4P-E004
B	134027	Terminal – Pin		Size 12	0460-204-12141 (nickel), 0460-220-1231 (gold)
C		Lock			WP-4P
		Secondary Lock			
		Seal			
		Mating Connector			DTP06-4S-E004, DTP06-4S-EE01
		Extraction Tool			
		Crimp Tool			
		Cavity Plug			
		Boots/Caps			DTP4P-BT

FOUR-POSITION CONNECTORS

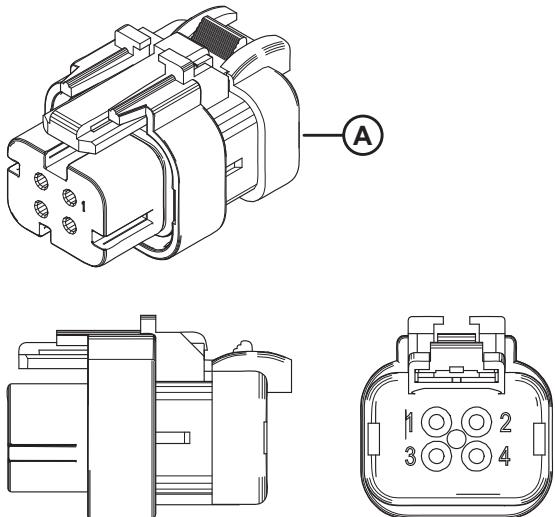
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	MacDon Part #	Description	Manufacturer	Series	Manufacturer Part #
A		Connector – Plug	Deutsch	DTP	DTP06-4S-E004
B		Terminal			0462-203-12141 (nickel), 0462-210-1231 (gold)
C		Lock			WP-4S
		Secondary Lock			
		Seal			
		Mating Connector		DTP04-4P-E004, DTP13-4P, DTP15-4P	
		Extraction Tool			
		Crimp Tool			
		Cavity Plug			
		Boots/Caps		DTP4S-BT	

FOUR-POSITION CONNECTORS

5.25

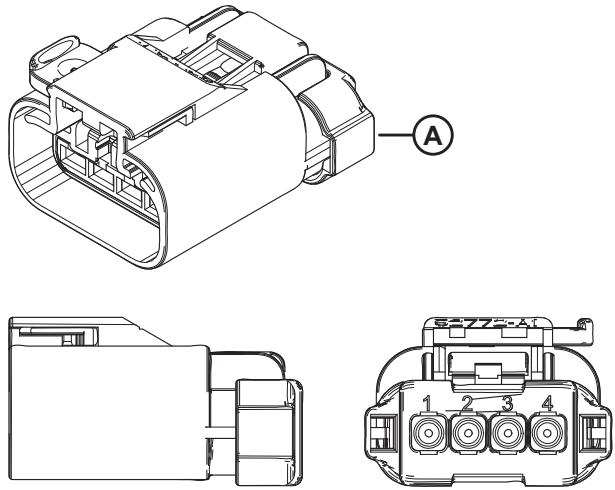


1025507

	MacDon Part #	Description	Manufacturer	Series	Manufacturer Part #
A		Connector – Plug (RED Insert)	Tyco	Ampseal 16	776524-1
		Terminal			1924464-1, 924464-2, 776492-1, 776492-2
		Lock			
		Secondary Lock			
		Seal			
		Mating Connector		776536-1	
		Extraction Tool		776441-1	
		Crimp Tool			
		Cavity Plug			
		Boots/Caps			

FOUR-POSITION CONNECTORS

5.26

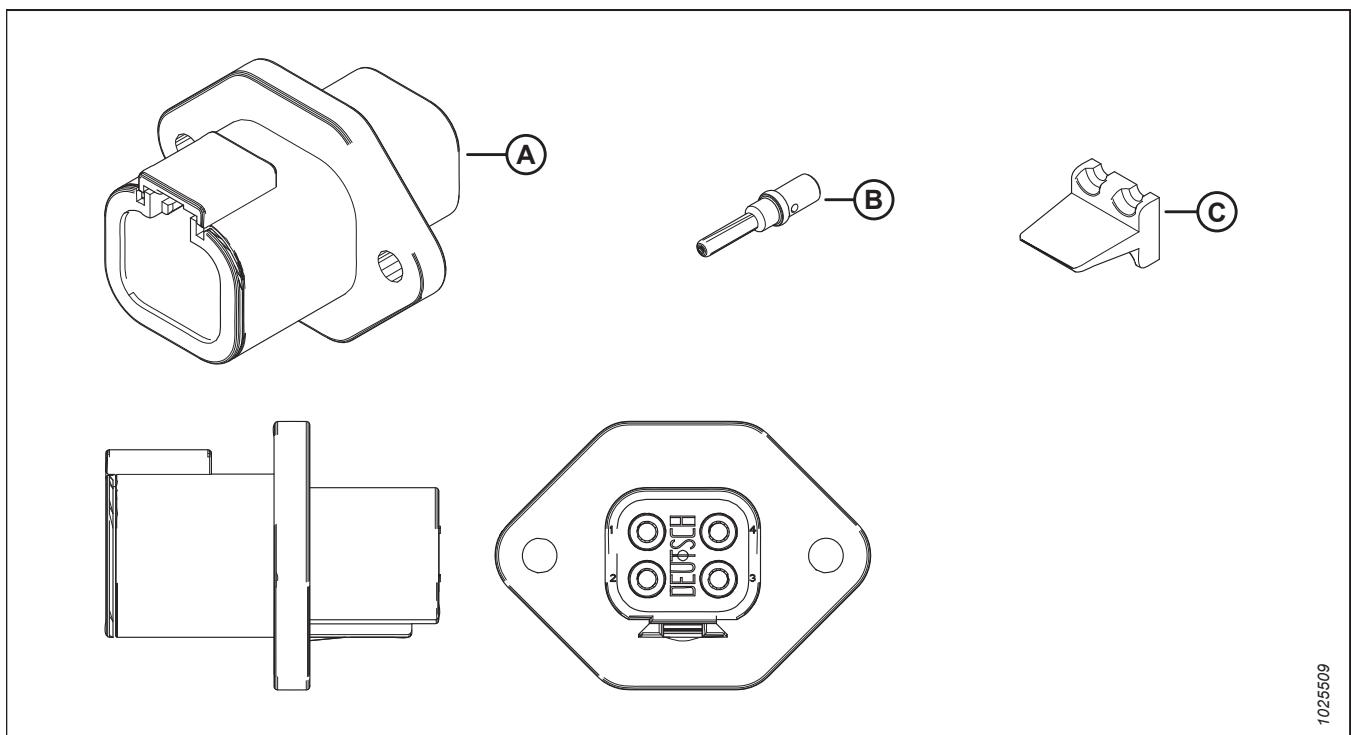


1025508

	MacDon Part #	Description	Manufacturer	Series	Manufacturer Part #
A		Connector – Plug	Delphi		54200411
		Terminal			
		Lock			
		Secondary Lock			
		Seal			
		Mating Connector			
		Extraction Tool			
		Crimp Tool			
		Cavity Plug			
		Boots/Caps			

FOUR-POSITION CONNECTORS

5.27

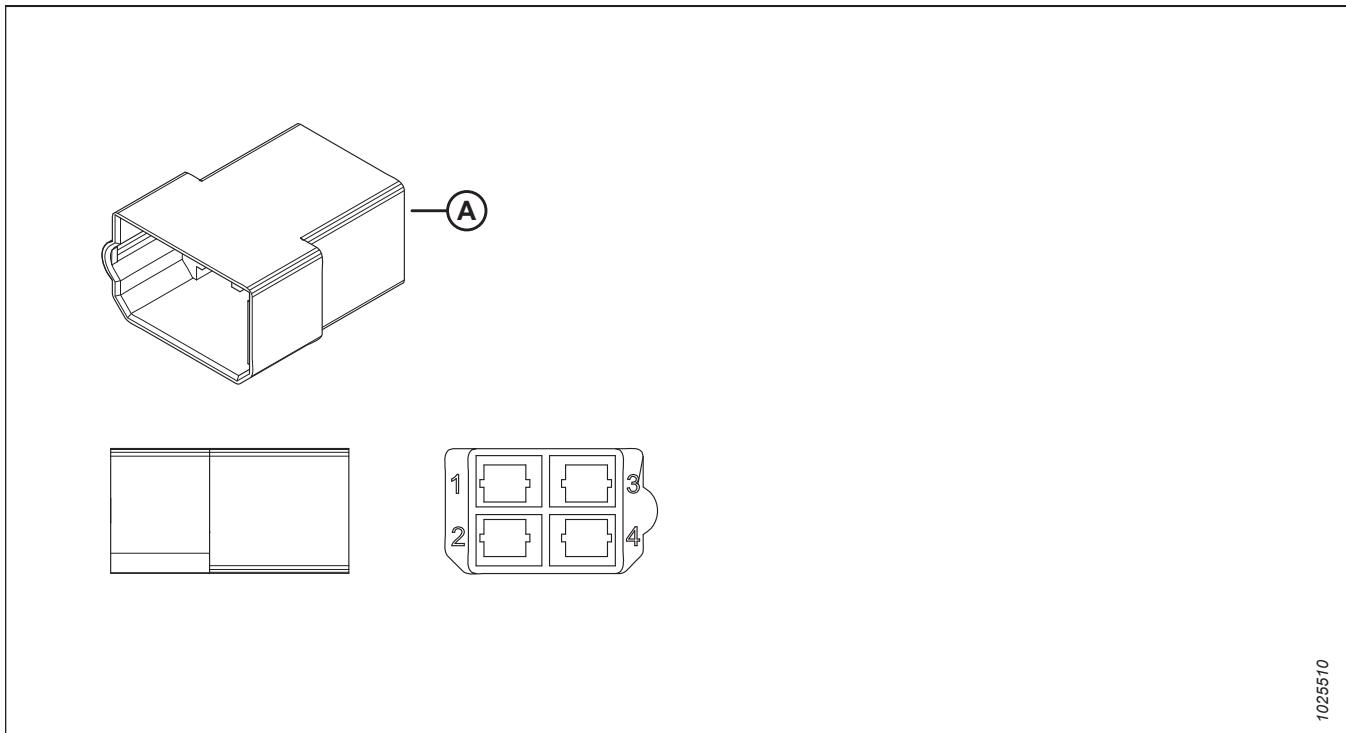


1025509

	MacDon Part #	Description	Manufacturer	Series	Manufacturer Part #
A		Connector – Receptacle	Deutsch	DTP	DTP04-4P-L012
B	134024	Terminal – Pin		Size 12	0460-204-12141 (nickel), 0460-220-1231 (gold)
C		Lock			WP-4P
		Secondary Lock			
		Seal			
		Mating Connector			
		Extraction Tool			
		Crimp Tool			
		Cavity Plug			
		Boots/Caps			

FOUR-POSITION CONNECTORS

5.28

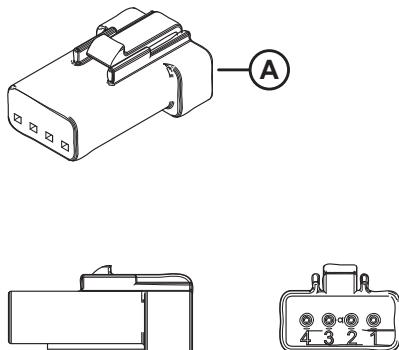


1025510

	MacDon Part #	Description	Manufacturer	Series	Manufacturer Part #
A		Connector – Receptacle	Tyco		180901-0
		Terminal			
		Lock			
		Secondary Lock			
		Seal			
		Mating Connector			
		Extraction Tool			
		Crimp Tool			
		Cavity Plug			
		Boots/Caps			

FOUR-POSITION CONNECTORS

5.29

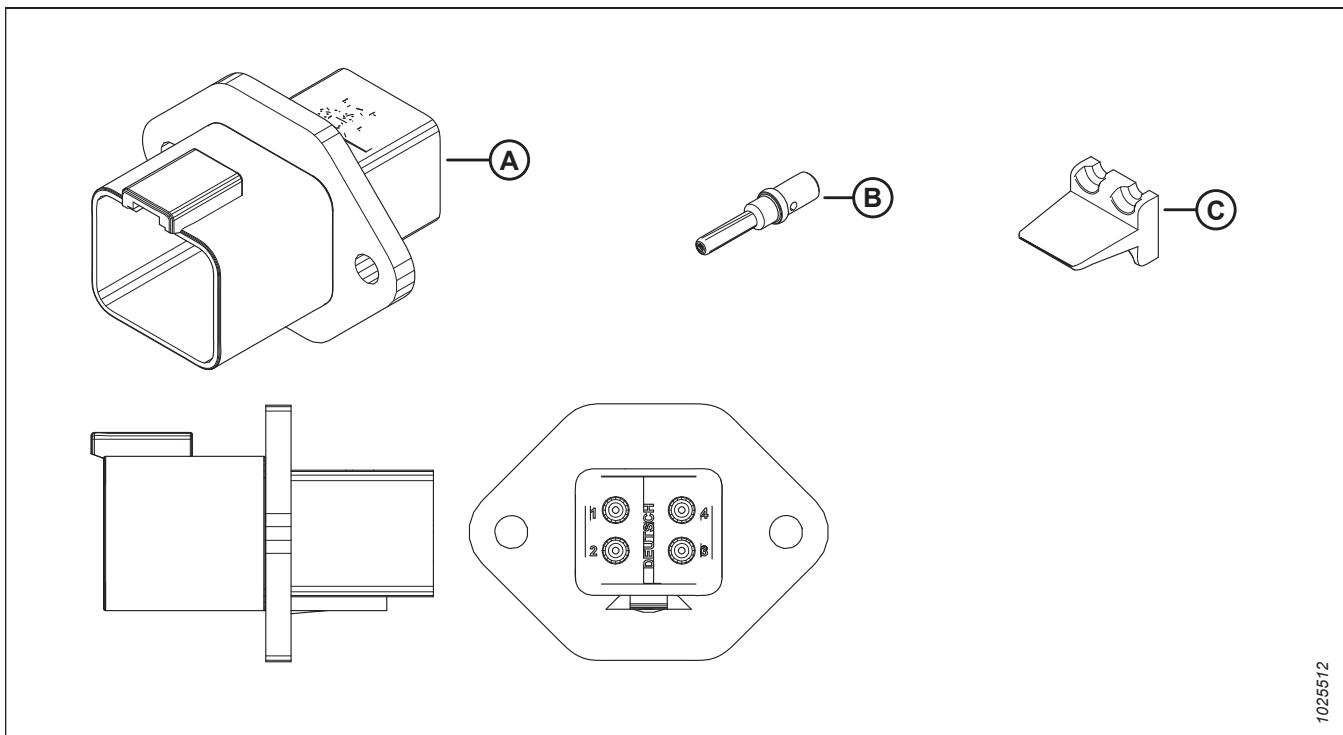


1025511

	MacDon Part #	Description	Manufacturer	Series	Manufacturer Part #
A		Connector – Plug	JST		04R-JWPF-VSLE-S
		Terminal			
		Lock			
		Secondary Lock			
		Seal			
		Mating Connector			
		Extraction Tool			
		Crimp Tool			
		Cavity Plug			
		Boots/Caps			

FOUR-POSITION CONNECTORS

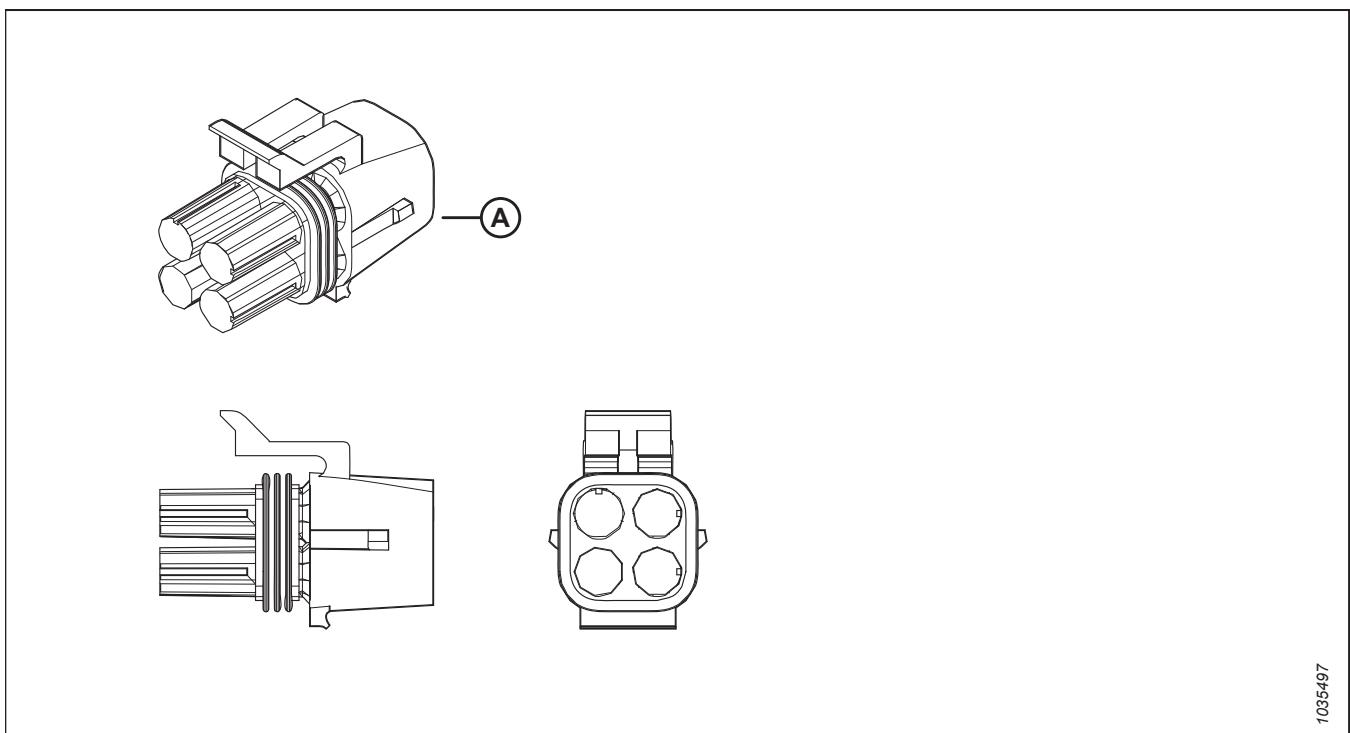
5.30



	MacDon Part #	Description	Manufacturer	Series	Manufacturer Part #
A		Connector – Bulkhead	Deutsch	DTP	DTP04-4P
B	134024	Terminal – Pin		Size 12	0460-204-12141 (nickel), 0460-220-1231 (gold)
C		Lock			WP-4P
		Secondary Lock			
		Seal			
		Mating Connector			
		Extraction Tool			
		Crimp Tool			
		Cavity Plug			
		Boots/Caps			

FOUR-POSITION CONNECTORS

5.31

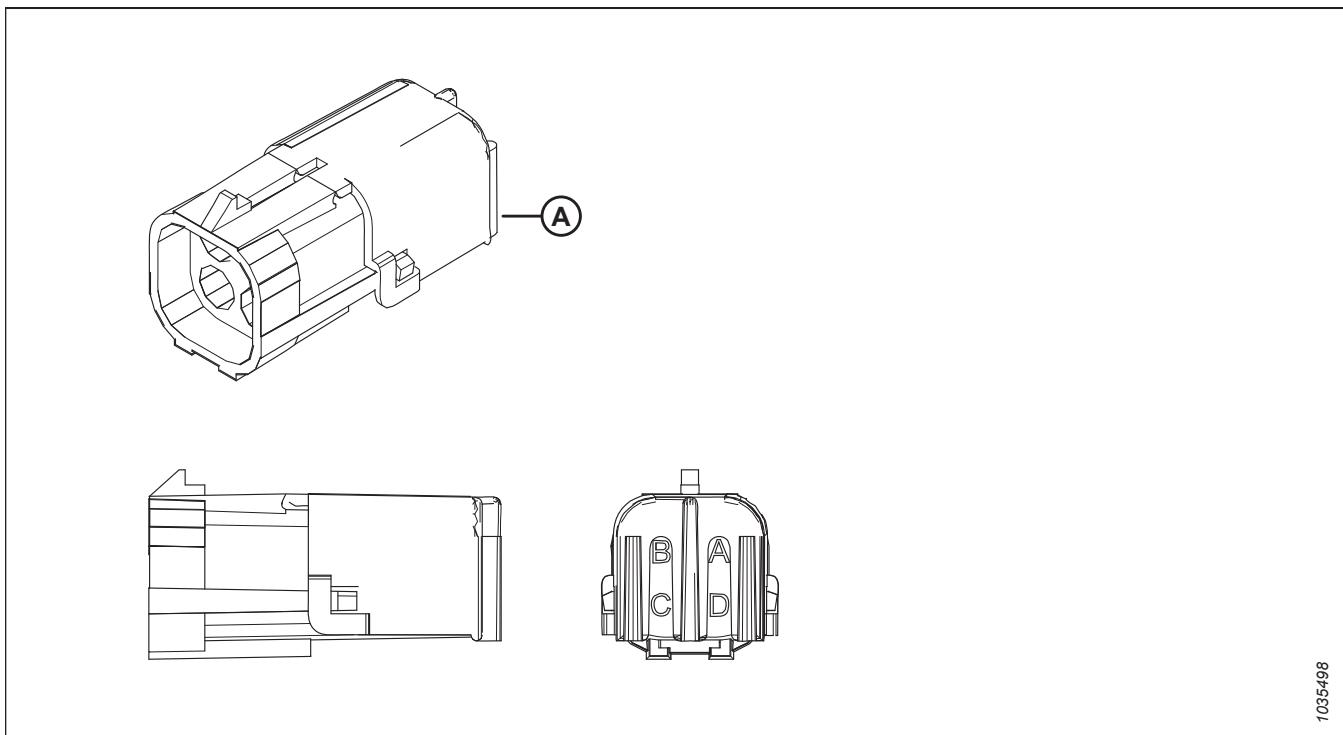


1035497

	MacDon Part #	Description	Manufacturer	Series	Manufacturer Part #
A		Connector – Plug	Delphi	Weather Pack	12015798
B		Terminal			
		Lock			
		Secondary Lock			
		Seal			
		Mating Connector			
		Extraction Tool			
		Crimp Tool			
		Cavity Plug			
		Boots/Caps			

FOUR-POSITION CONNECTORS

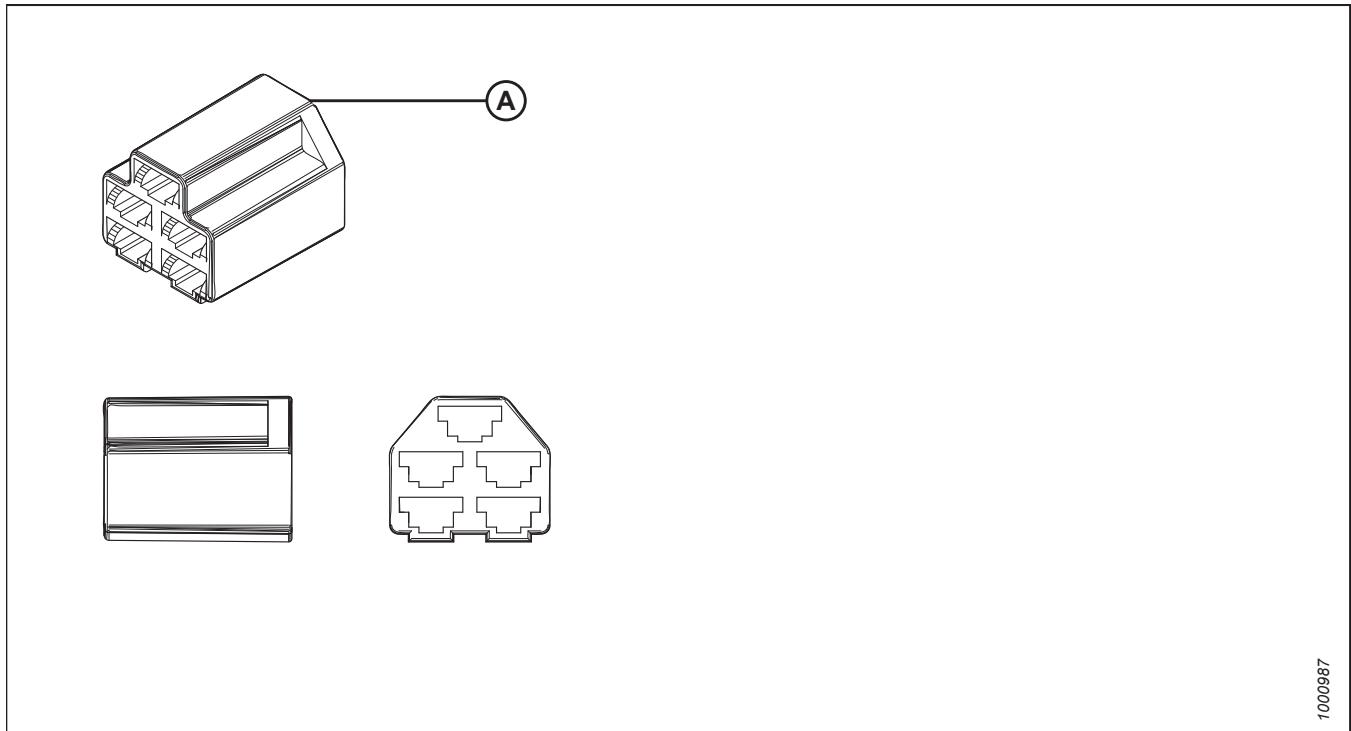
5.32



	MacDon Part #	Description	Manufacturer	Series	Manufacturer Part #
A		Connector – Receptacle	Delphi	Weather Pack	12015024
B		Terminal			
		Lock			
		Secondary Lock			
		Seal			
		Mating Connector			
		Extraction Tool			
		Crimp Tool			
		Cavity Plug			
		Boots/Caps			

Chapter 6: Five-Position Connectors

6.1



1000987

	MacDon Part #	Description	Manufacturer	Series	Manufacturer Part #
A		Connector – Receptacle	Delphi	56	2973422
		Terminal – Receptacle	Delphi	56	12124512 12124513 12124515 12124517 12124518
		Mating Connector			
	134159	Extraction Tool		12094430	
		Crimp Tool			

FIVE-POSITION CONNECTORS

6.2

*Not Available
at Time of Printing*

1007852

	MacDon Part #	Description	Manufacturer	Series	Manufacturer Part #
	134152	Connector – Plug	Fargo Assembly		C7SB14489-E
	134135	Terminal – Receptacle	Delphi	M/P 630	12015870
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		Mating Connector			
	134159	Extraction Tool	12094430		
		Crimp Tool			

6.3

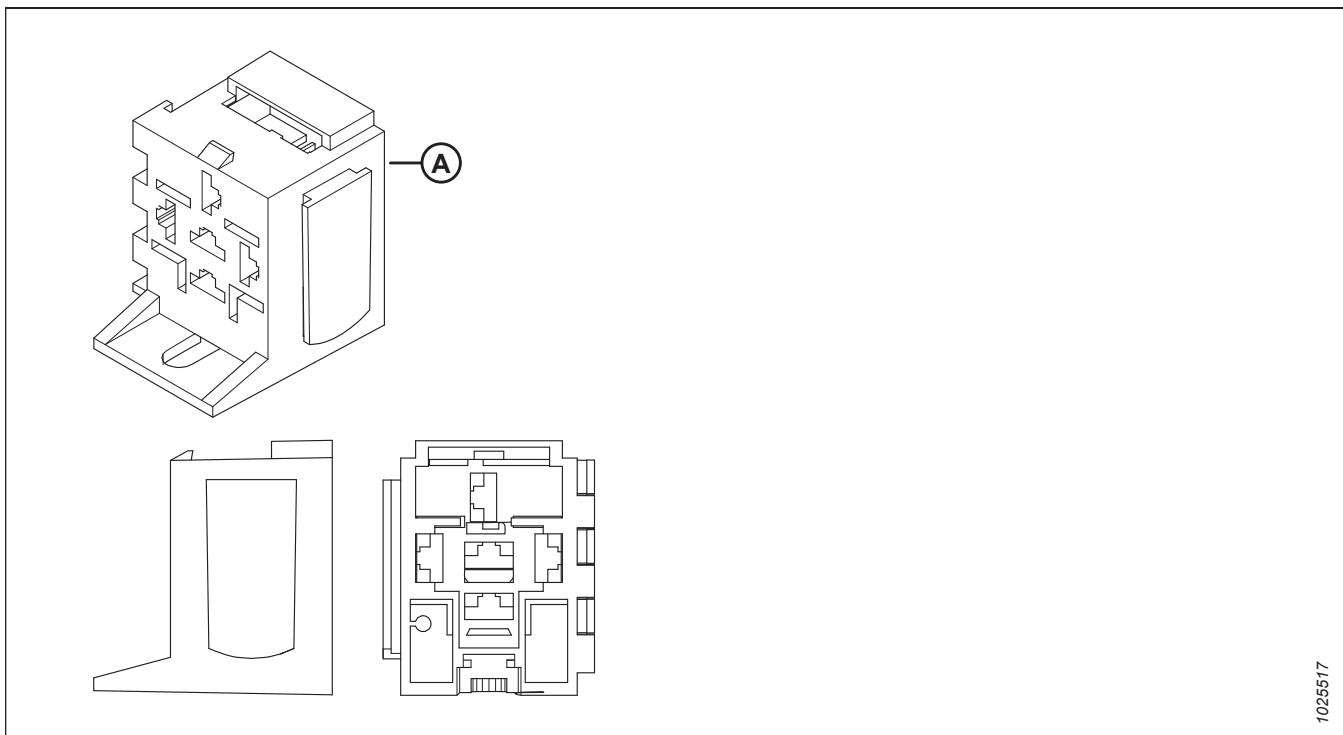
*Not Available
at Time of Printing*

1007852

	MacDon Part #	Description	Manufacturer	Series	Manufacturer Part #
	134147	Connector – Plug	Fargo Assembly		CVS #C-2007
	134135	Terminal – Receptacle	Delphi	M/P 630	12015870
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		Mating Connector			
	134159	Extraction Tool	12094430		
		Crimp Tool			

FIVE-POSITION CONNECTORS

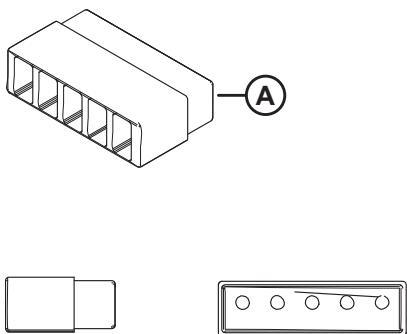
6.4



	MacDon Part #	Description	Manufacturer	Series	Manufacturer Part #
A		Connector – Relay Socket	Delphi	Metri-Pack 630	12033871
		Terminal			12015869, 12015870, 12033971, 12015864, 12015865, 12034001, 12124559, 12052225, 12052227, 12084588
		Lock			
		Secondary Lock			
		Seal			
		Mating Connector			
		Extraction Tool			
		Crimp Tool			
		Cavity Plug			
		Boots/Caps			

FIVE-POSITION CONNECTORS

6.5

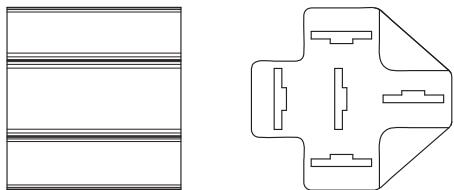
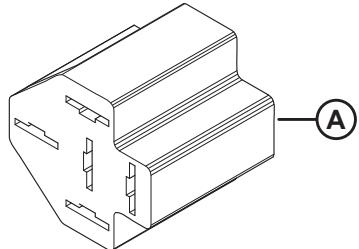


1025518

	MacDon Part #	Description	Manufacturer	Series	Manufacturer Part #
A		Connector – Plug	Bulgin		PX0446
		Terminal			
		Lock			
		Secondary Lock			
		Seal			
		Mating Connector			
		Extraction Tool			
		Crimp Tool			
		Cavity Plug			
		Boots/Caps			

FIVE-POSITION CONNECTORS

6.6

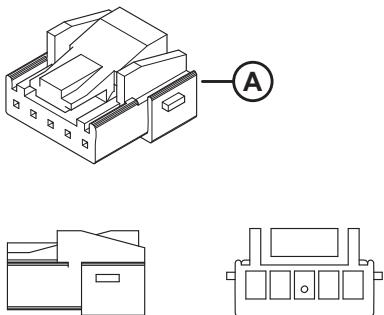


1025519

	MacDon Part #	Description	Manufacturer	Series	Manufacturer Part #
A		Connector – Relay Socket	Tyco		3-334-485-007
		Terminal			
		Lock			
		Secondary Lock			
		Seal			
		Mating Connector			
		Extraction Tool			
		Crimp Tool			
		Cavity Plug			
		Boots/Caps			

FIVE-POSITION CONNECTORS

6.7

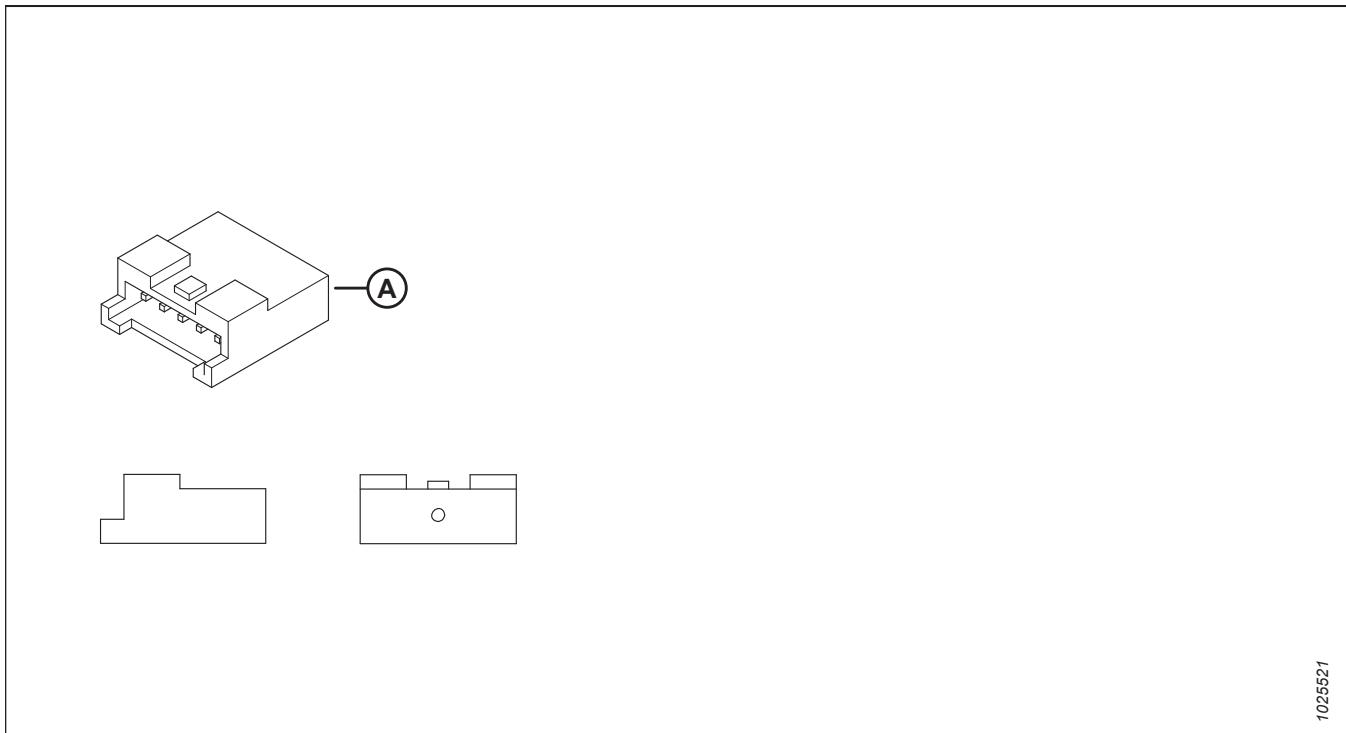


1025520

	MacDon Part #	Description	Manufacturer	Series	Manufacturer Part #
A		Connector – Plug	JST	PA Family	PARP-05V
		Terminal			
		Lock			
		Secondary Lock			
		Seal			
		Mating Connector			
		Extraction Tool			
		Crimp Tool			
		Cavity Plug			
		Boots/Caps			

FIVE-POSITION CONNECTORS

6.8

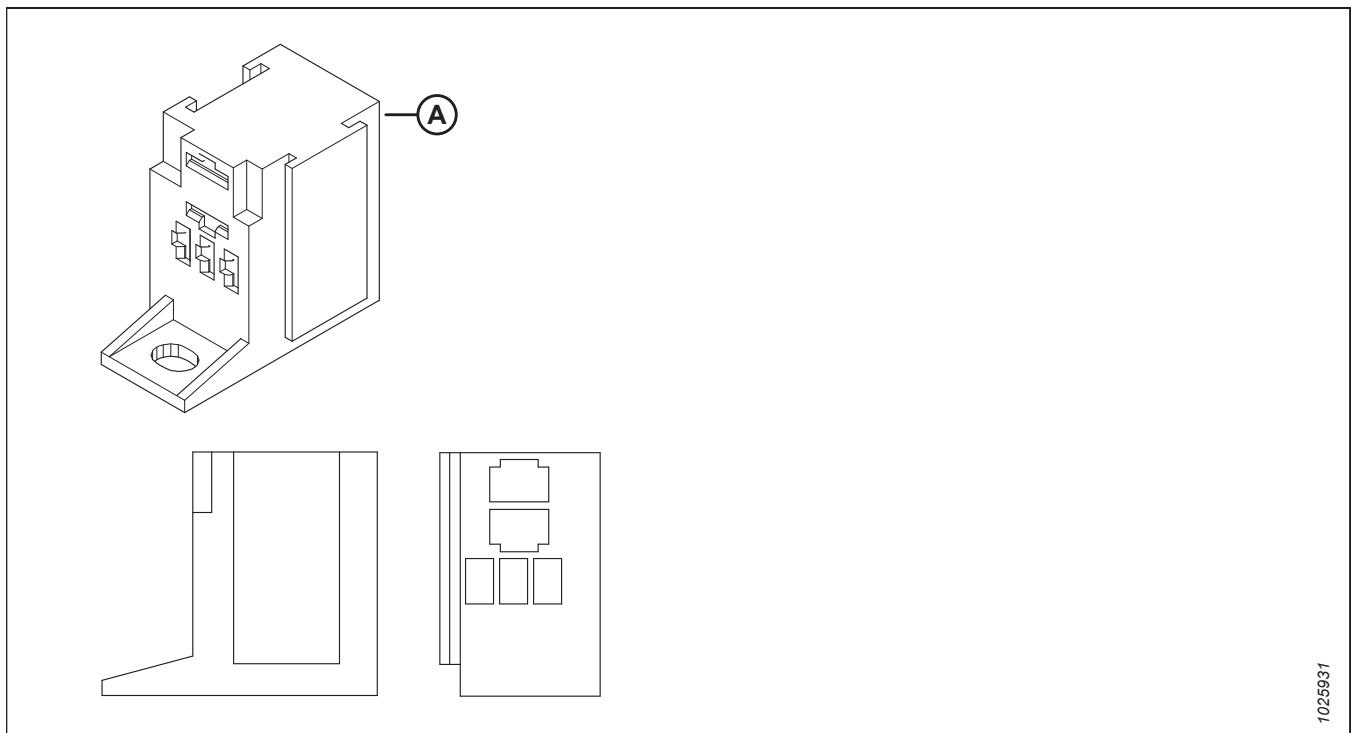


1025521

	MacDon Part #	Description	Manufacturer	Series	Manufacturer Part #
A		Connector – Socket	JST	PA Family	PALR-05VF
		Terminal			
		Lock			
		Secondary Lock			
		Seal			
		Mating Connector			
		Extraction Tool			
		Crimp Tool			
		Cavity Plug			
		Boots/Caps			

FIVE-POSITION CONNECTORS

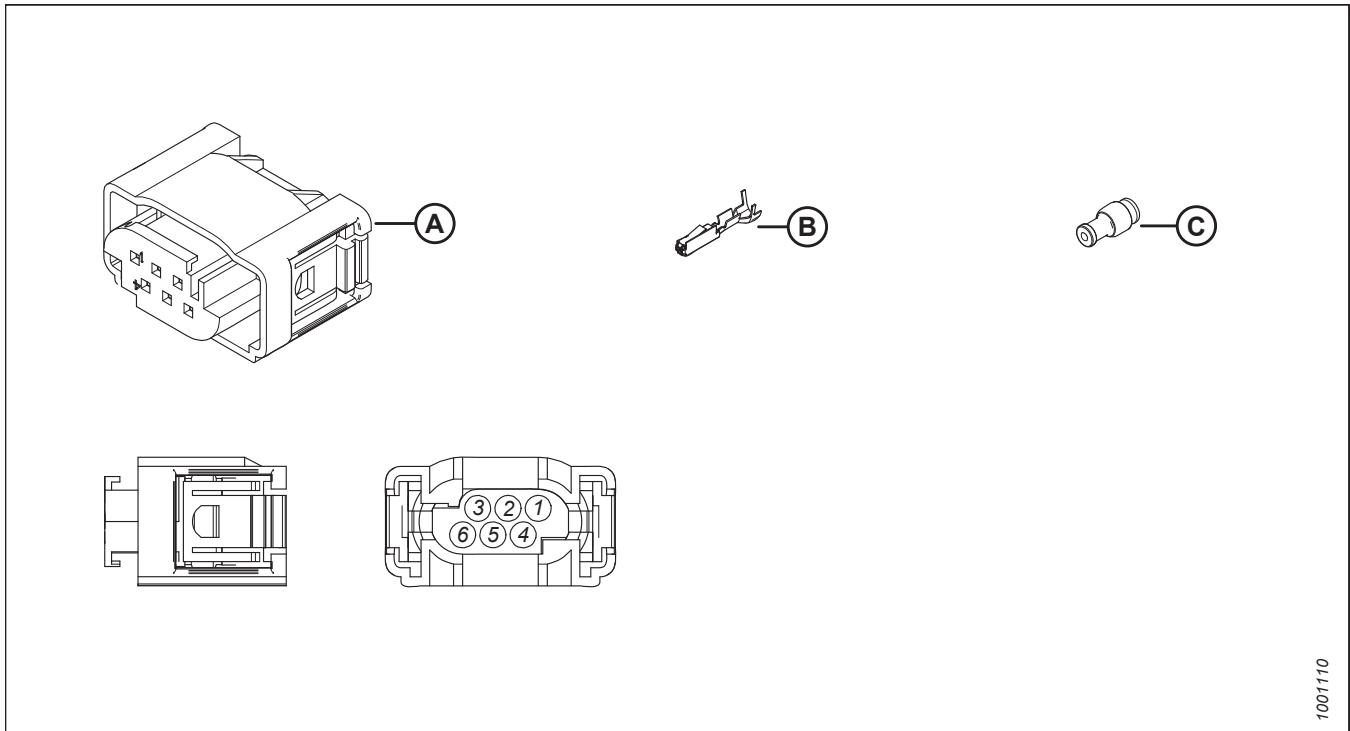
6.9



	MacDon Part #	Description	Manufacturer	Series	Manufacturer Part #
A		Connector – Relay Socket	Bosch		3-334-485-045
		Terminal			
		Extraction Tool			
		Crimp Tool			

Chapter 7: Six-Position Connectors

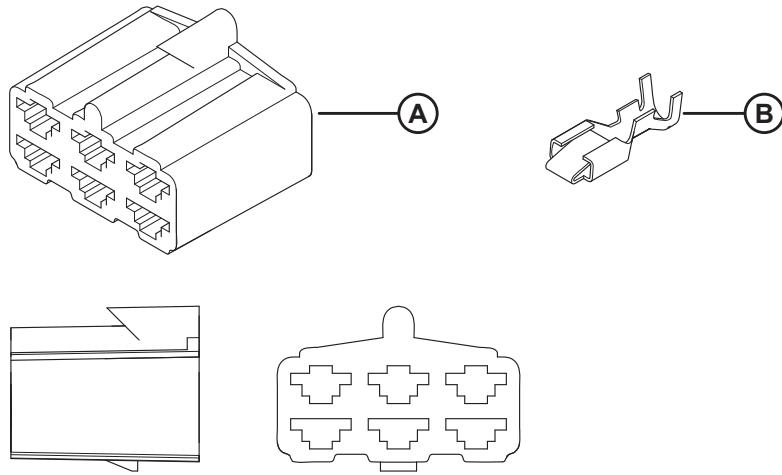
7.1



	MacDon Part #	Description	Manufacturer	Series	Manufacturer Part #	
A		Connector – Plug	Tyco	AMP Micro Quadlock	1-967616-1	
B	134154	Terminal – Socket (20 ga)	Tyco	AMP Micro Quadlock	962885-1 965906-1	
C	134155	Seal – Wire (Yellow)	Tyco	AMP Micro Quadlock	967067-1	
	Mating Connector					
	Extraction Tool					
	Crimp Tool					

SIX-POSITION CONNECTORS

7.2

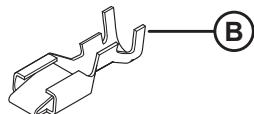


10177117

	MacDon Part #	Description	Manufacturer	Series	Manufacturer Part #	
A		Connector – Receptacle (12–18 ga)	Delphi	56	2977044	
B	134112	Terminal – Receptacle (12–18 ga)	Delphi	56	12124517 12124512 12124513 12124515 12124518	
			2977042			
			12094430			

SIX-POSITION CONNECTORS

7.3

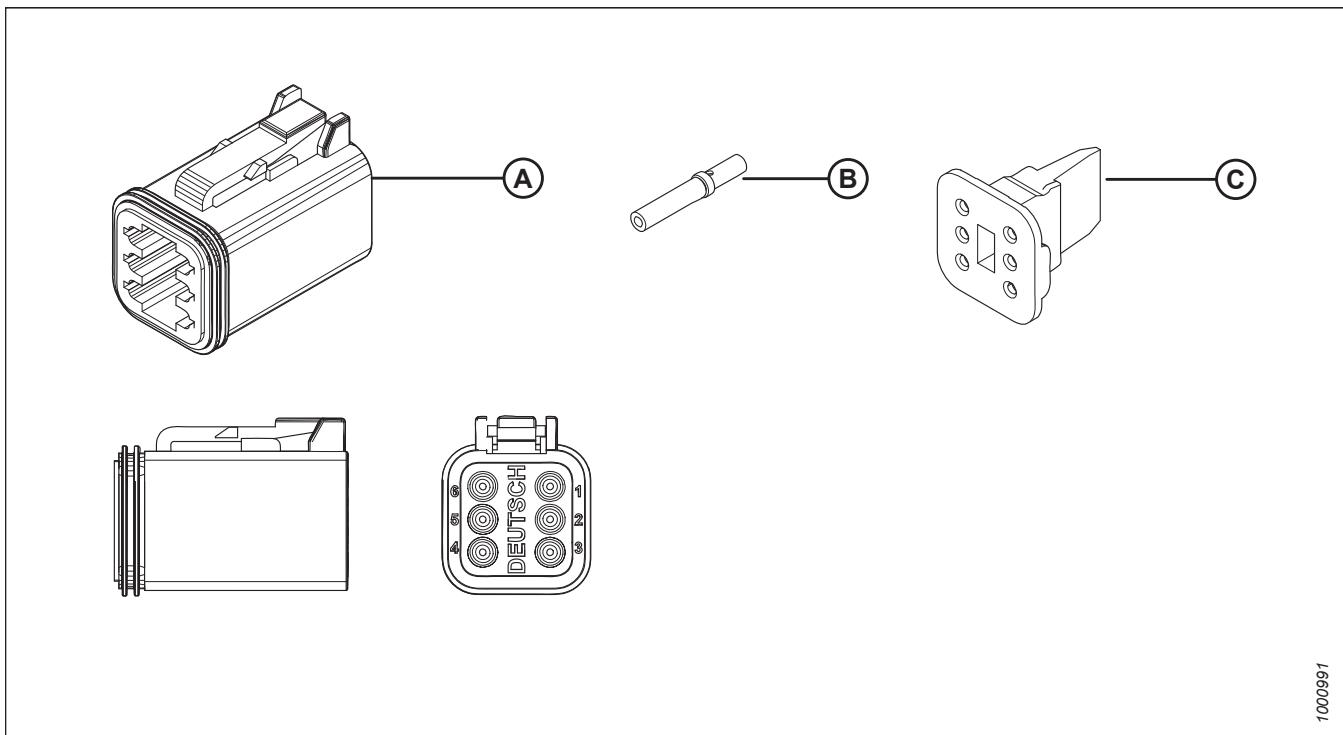


1000990

	MacDon Part #	Description	Manufacturer	Series	Manufacturer Part #
		Connector – Plug (12–18 ga)	Delphi	56	2977042
B	134112	Terminal – Receptacle (12–18 ga)	Delphi	56	12124517
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		Mating Connector	2977044		
		Extraction Tool			
		Crimp Tool			

SIX-POSITION CONNECTORS

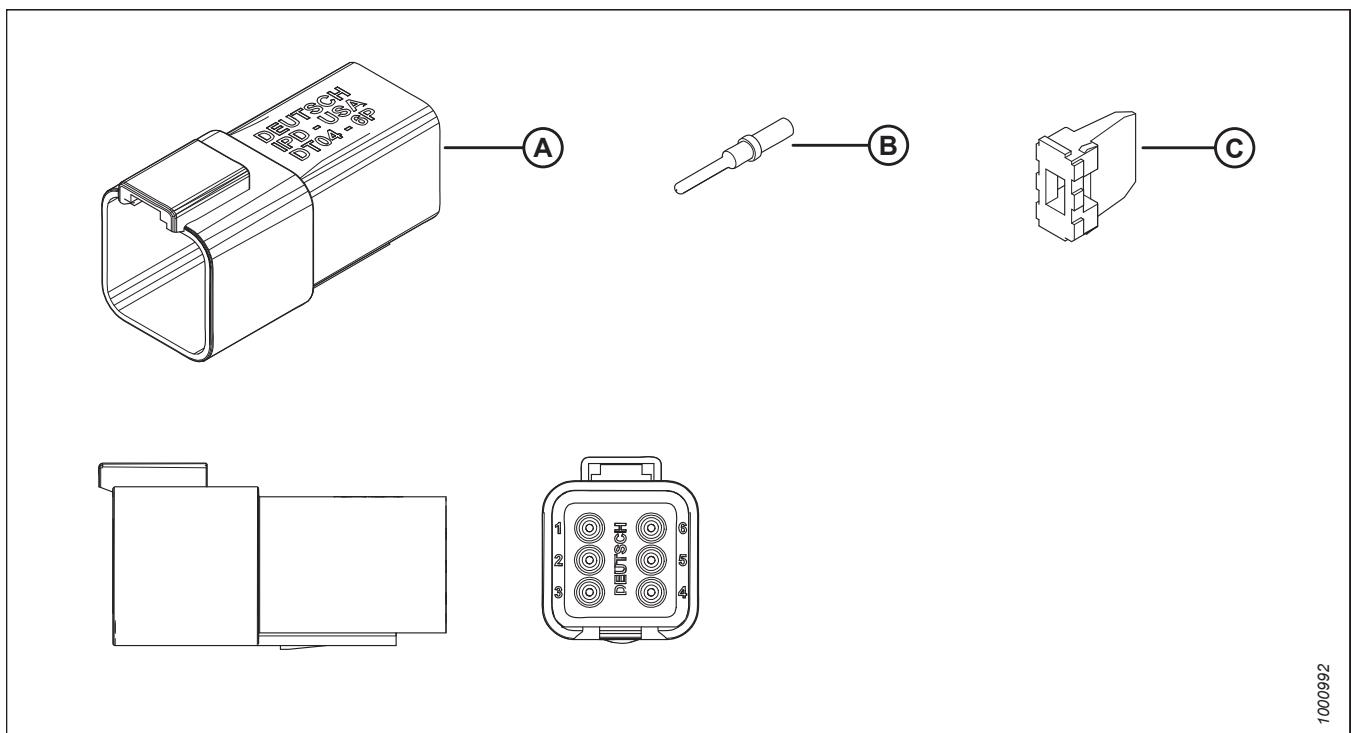
7.4



	MacDon Part #	Description	Manufacturer	Series	Manufacturer Part #
A	134036	Connector – Plug (14–20 ga)	Deutsch	DT	DT06-6S-P012
B	134026	Terminal – Socket	Deutsch	Size 16	0462-201-16141 (nickel), 0462-201-1631 (gold)
C	134037	Lock	Deutsch	DT	W6S-P012
		Mating Connector	DT04-6P		
		Extraction Tool			
		Crimp Tool			

SIX-POSITION CONNECTORS

7.5

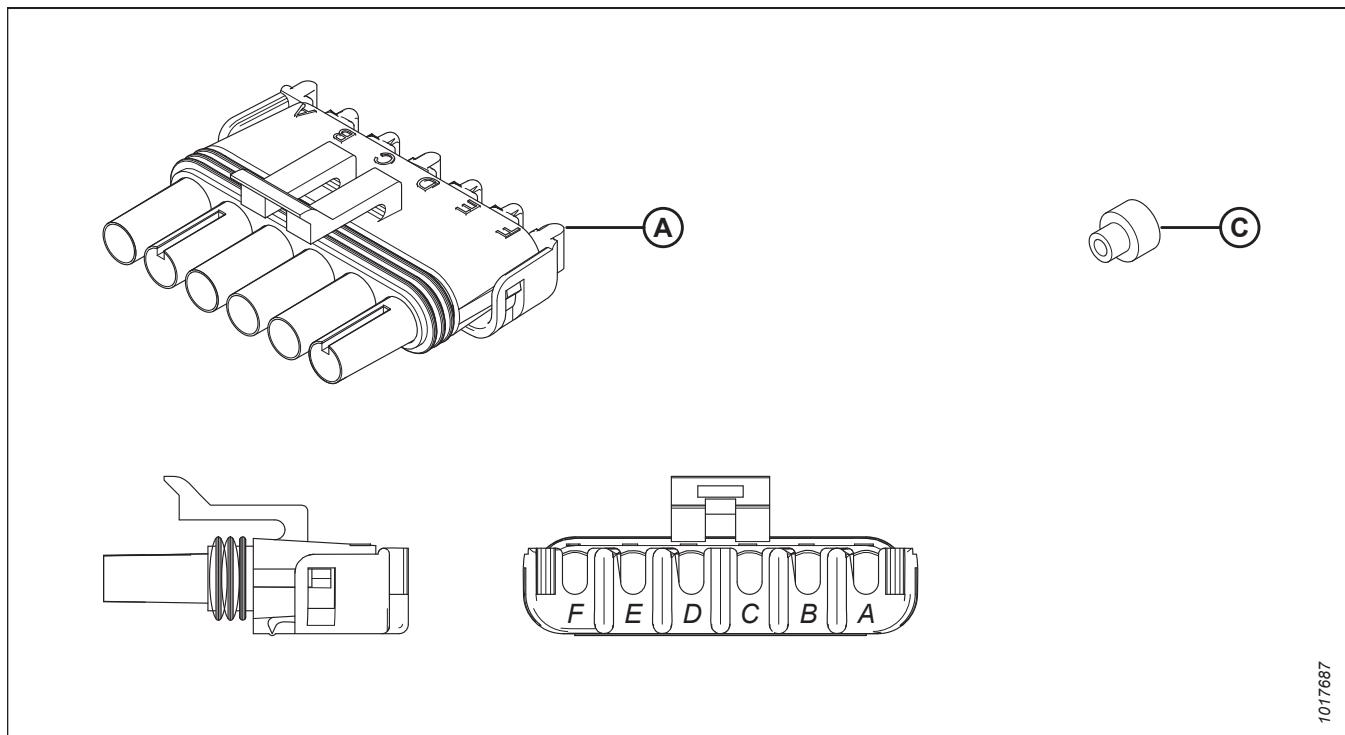


1000992

	MacDon Part #	Description	Manufacturer	Series	Manufacturer Part #	
A		Connector – Receptacle (14–20 ga)	Deutsch	DT	DT04-6P	
B	134023	Terminal – Pin (16–18 ga)	Deutsch	Size 16	0460-202-16141 (nickel), 0460-202-1631 (gold)	
C	134072	Lock	Deutsch	DT	W6P	
	134036	Mating Connector	DT06-6S-P012			
		Extraction Tool				
	134015	Crimp Tool	HDT-48-00			

SIX-POSITION CONNECTORS

7.6

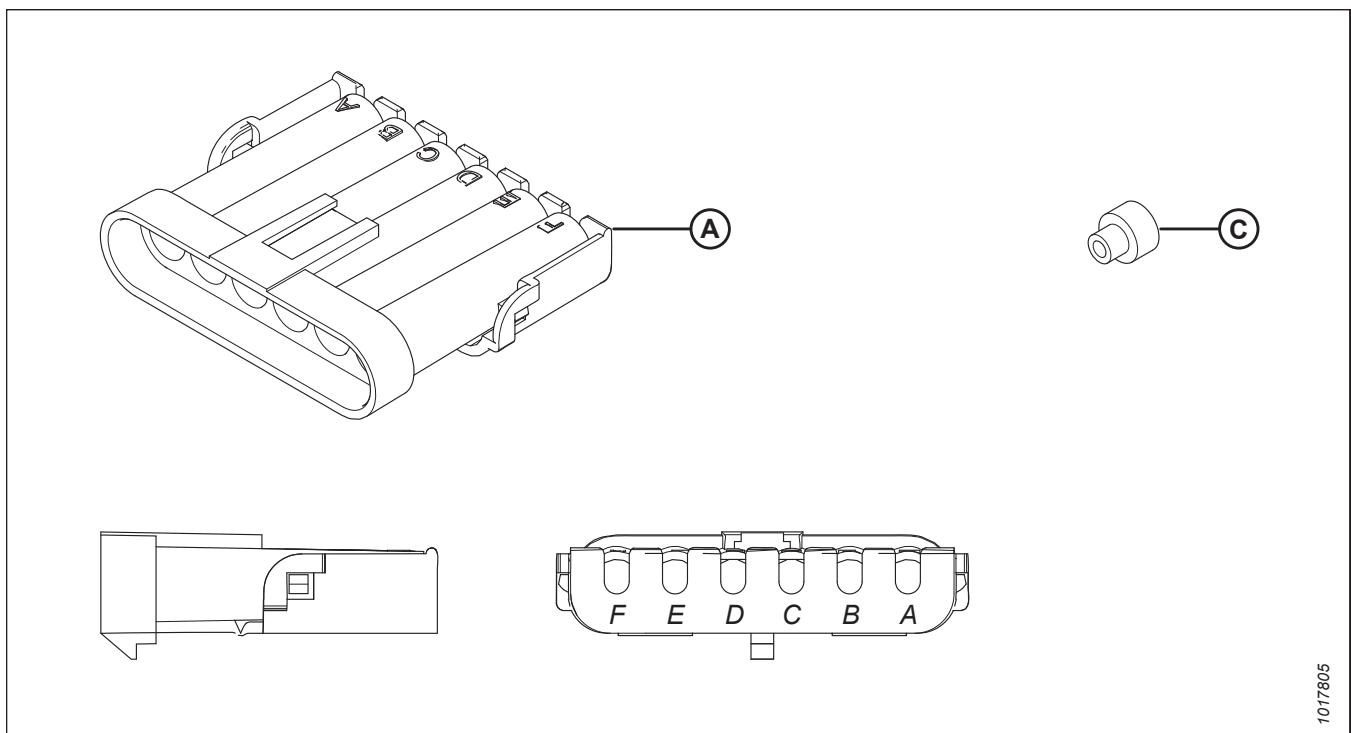


1017687

	MacDon Part #	Description	Manufacturer	Series	Manufacturer Part #	
A		Connector – Plug	Delphi	W/P	12015799	
	30471	Terminal – Socket (14–16 ga)	Delphi	W/P	12124580 12124581 12089188 12020801	
C		Seal – Wire (Orange)	Delphi	W/P	12129930	
	Mating Connector		12010975			
	Extraction Tool					
	Crimp Tool					

SIX-POSITION CONNECTORS

7.7

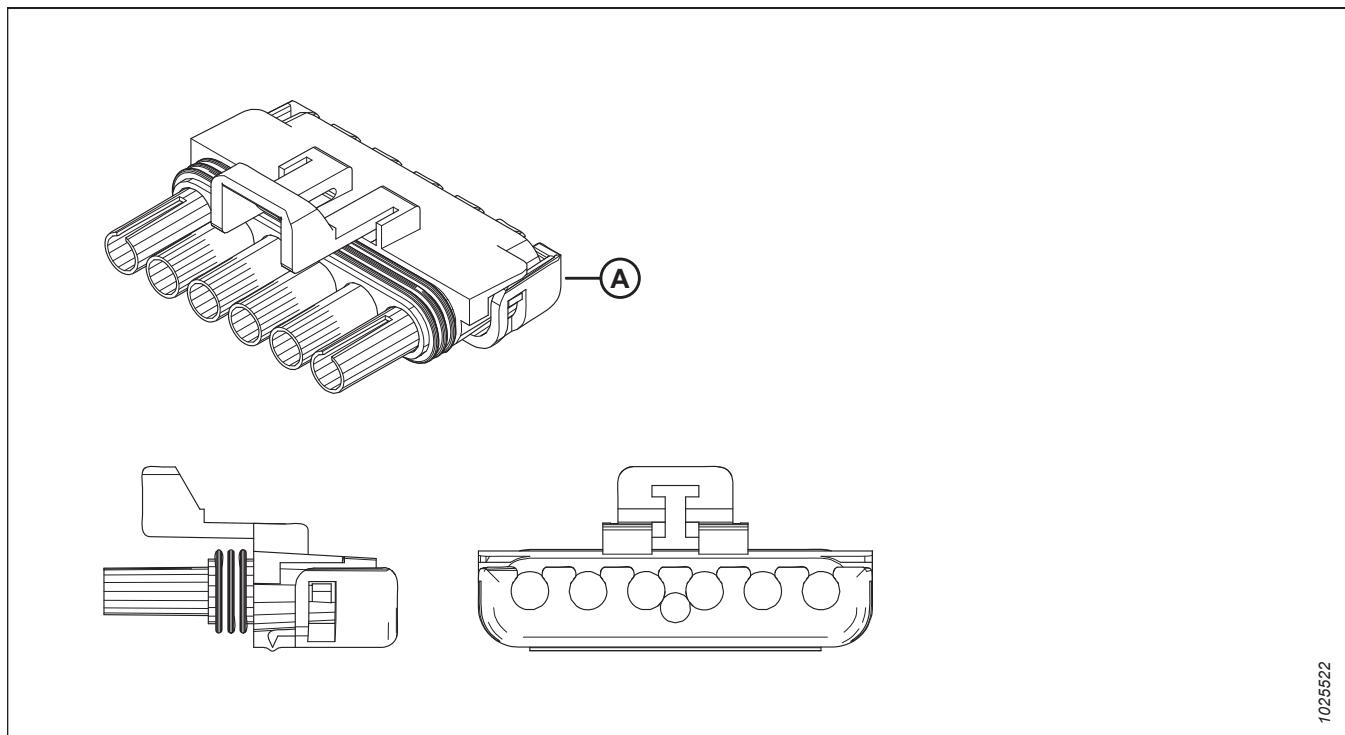


1017805

	MacDon Part #	Description	Manufacturer	Series	Manufacturer Part #	
A		Connector – Receptacle	Delphi	W/P	12010975	
	30473	Terminal – Socket (14–16 ga)	Delphi	W/P	12124582	
C		Seal – Wire (Green)	Delphi	W/P	15324982	
		Mating Connector	12015799			
		Extraction Tool				
		Crimp Tool				

SIX-POSITION CONNECTORS

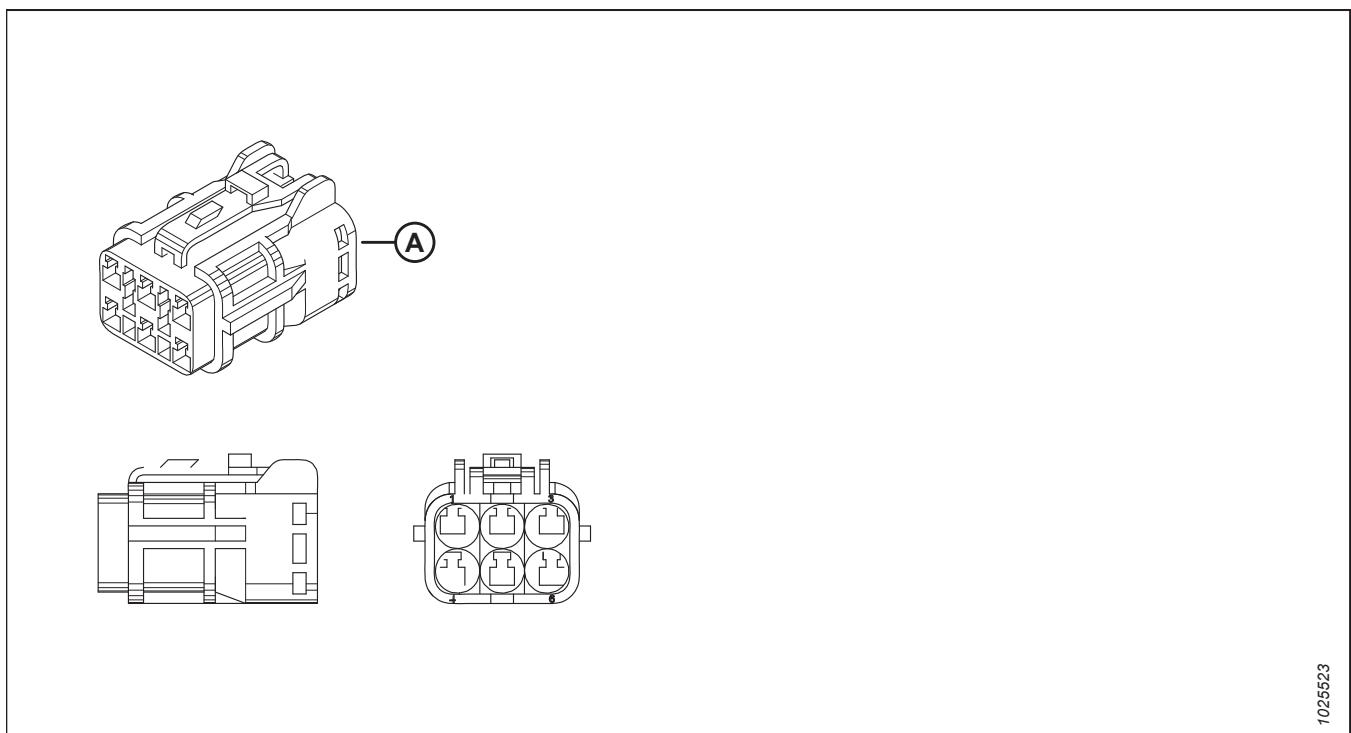
7.8



	MacDon Part #	Description	Manufacturer	Series	Manufacturer Part #
A		Connector – Plug	Delphi	Weather Pack	12020926
		Terminal			12020801, 12124580, 12124581, 12124582, 12089307, 12089188, 12089040, 12124587, 12146501, 15344718
		Lock			12020833
		Secondary Lock			
		Seal			12129930, 15324980, 15324981, 15324983, 15324984, 15324985, 12010300, 15324982
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		Mating Connector		12020786, 12066460, 12059734	
		Extraction Tool			
		Crimp Tool			
		Cavity Plug			

SIX-POSITION CONNECTORS

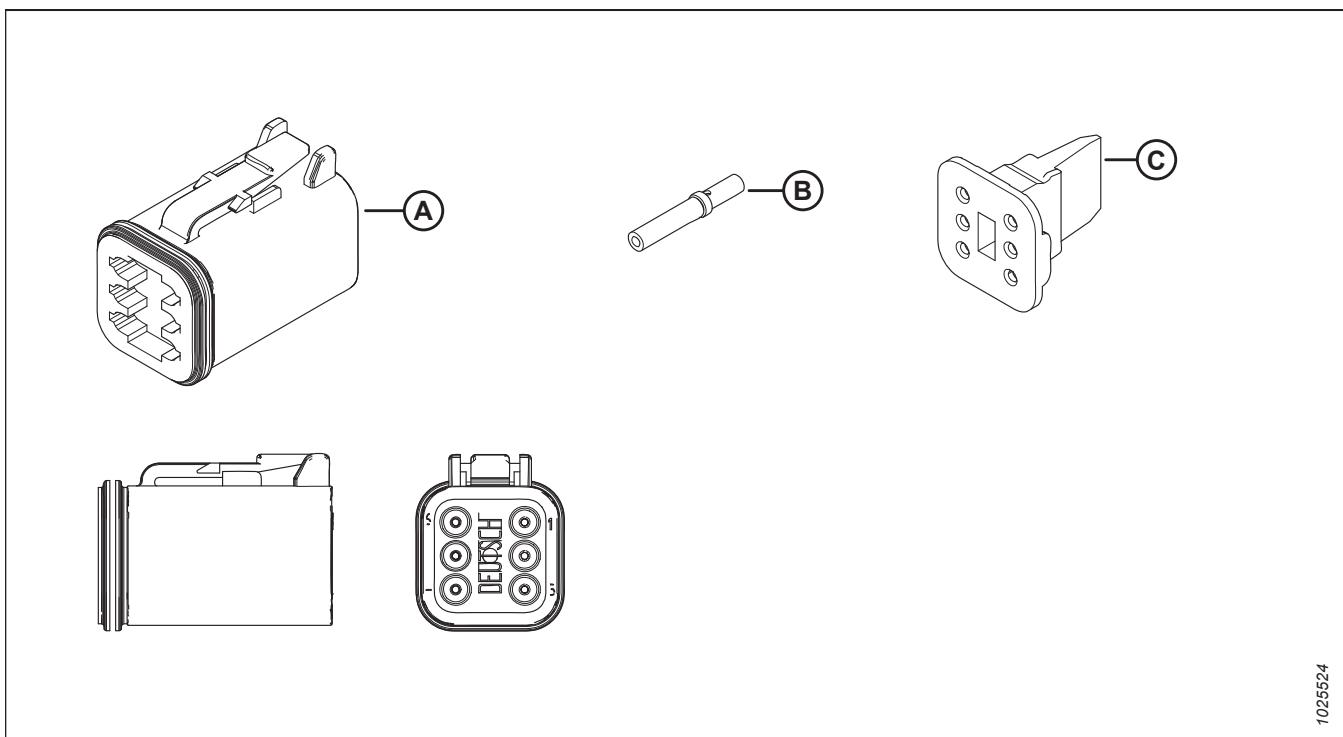
7.9



	MacDon Part #	Description	Manufacturer	Series	Manufacturer Part #
A		Connector – Plug	Yazaki		71237464-40
		Terminal			7116-1471, 7116-1471-08, 7116-1472, 7116-1472-08
		Lock			
		Secondary Lock			
		Seal			7157-7811-80, 7157-7812, 7157-7897-60, 7157-7899-90
		Mating Connector		7222-7464-40	
		Extraction Tool			
		Crimp Tool			
		Cavity Plug			
		Boots/Caps		7157-7816-80	

SIX-POSITION CONNECTORS

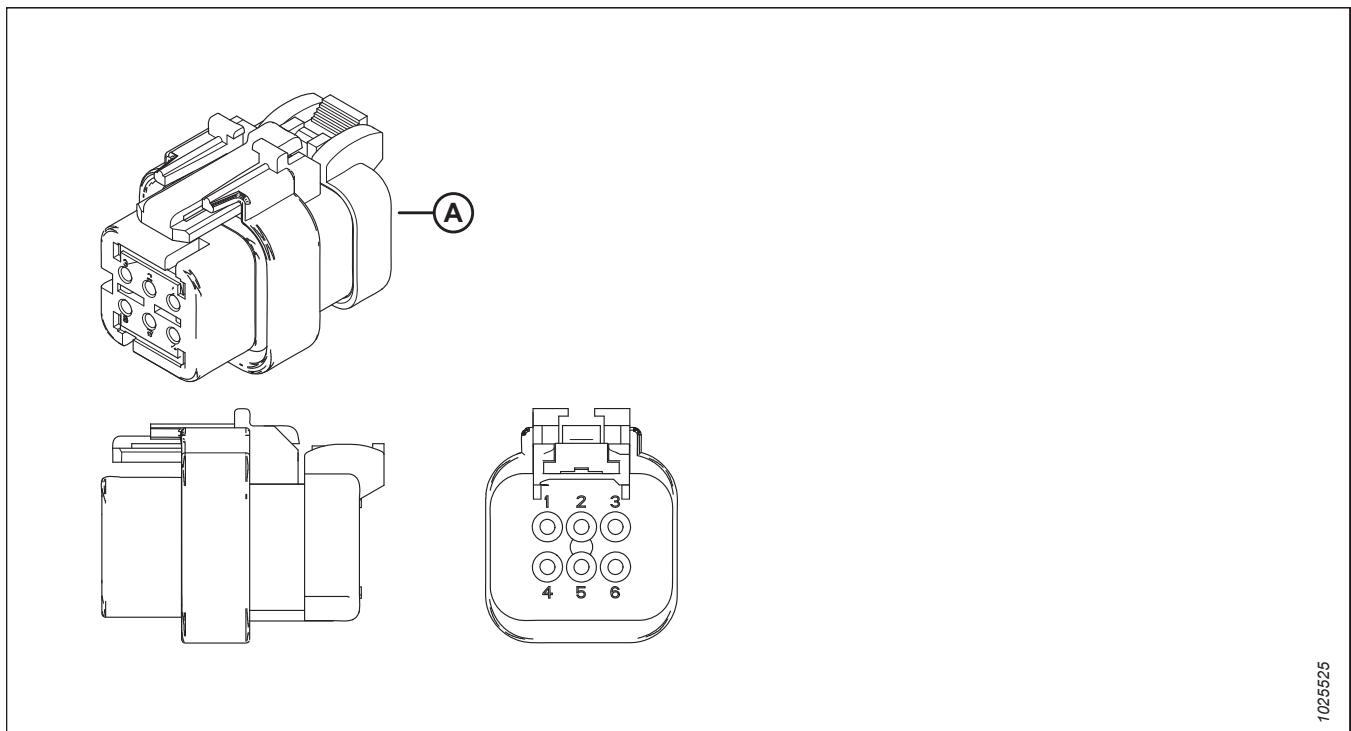
7.10



	MacDon Part #	Description	Manufacturer	Series	Manufacturer Part #
A		Connector – Plug	Deutsch	DT	DT06-6S
B	134026	Terminal – Socket	Deutsch	Size 16	0462-201-16141 (nickel), 0462-201-1631 (gold)
C	134037	Lock	Deutsch	DT	W6S-P012
		Secondary Lock			
		Seal			
		Mating Connector			
		Extraction Tool			
		Crimp Tool			
		Cavity Plug			
		Boots/Caps			

SIX-POSITION CONNECTORS

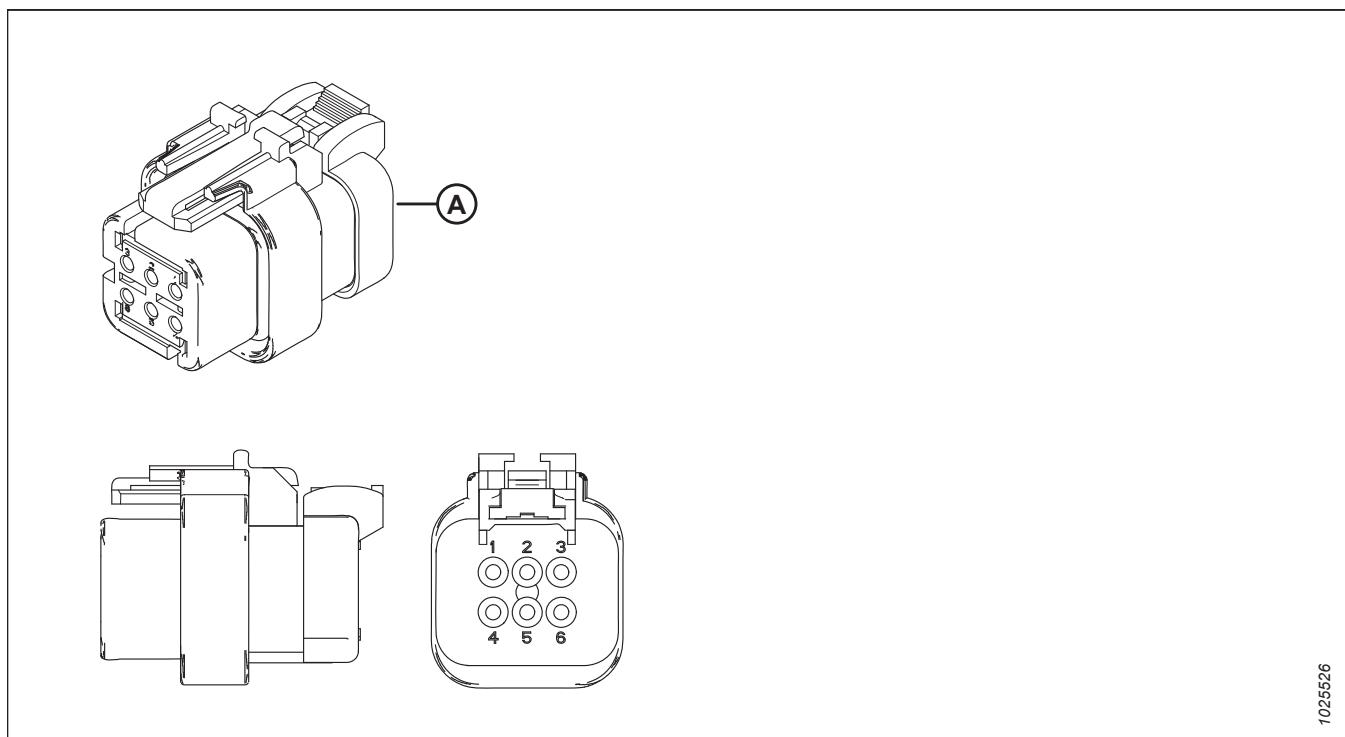
7.11



	MacDon Part #	Description	Manufacturer	Series	Manufacturer Part #
A		Connector – Plug (RED Insert)	Tyco	Ampseal 16	776433-1
		Terminal			776491, 776492, 2098253, 776491
		Lock			
		Secondary Lock			
		Seal			2040594-4
		Mating Connector		1717675-1	
		Extraction Tool		776441-1	
		Crimp Tool			
		Cavity Plug		776363-1	
		Boots/Caps		1-2035366, 2035047-6, 2040594, 2292800-1, 2302493	

SIX-POSITION CONNECTORS

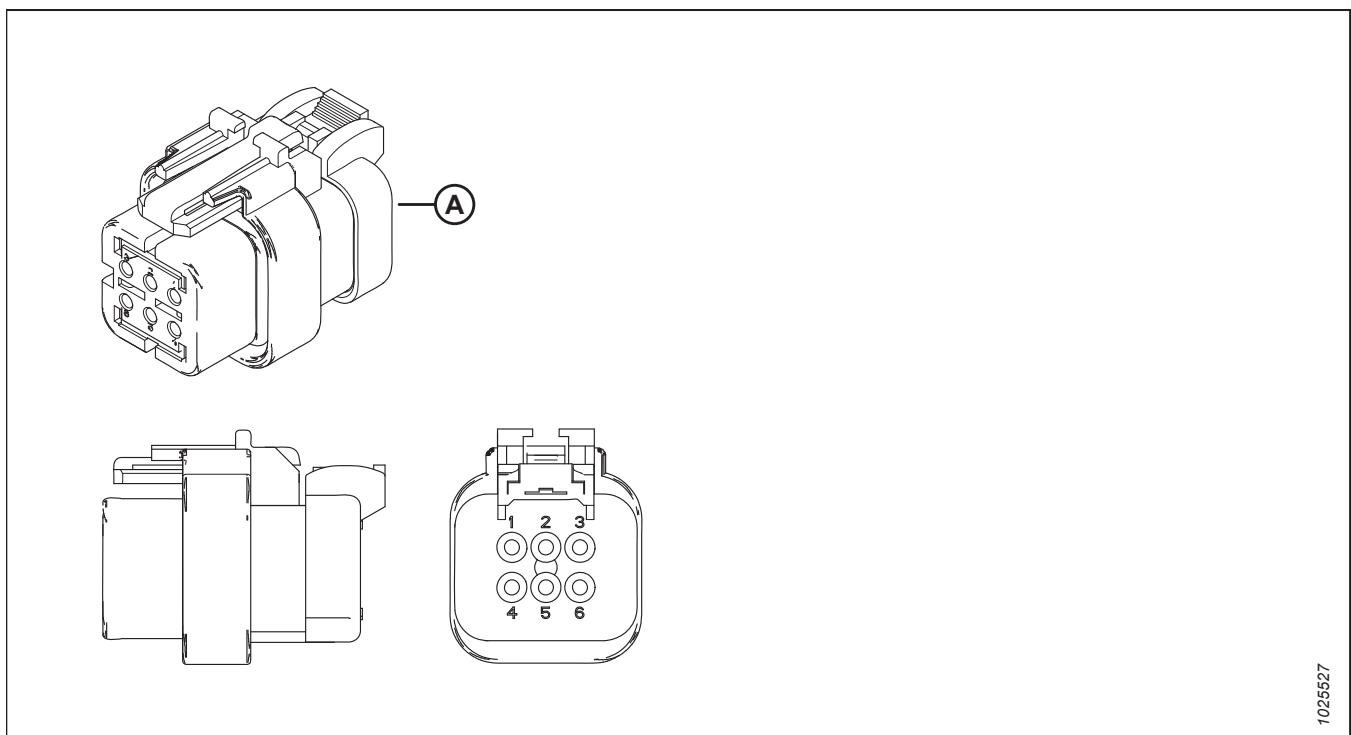
7.12



	MacDon Part #	Description	Manufacturer	Series	Manufacturer Part #
A		Connector – Plug (GREEN Insert)	Tyco	Ampseal 16	776433-2
		Terminal			776491, 776492, 2098253, 776491
		Lock			
		Secondary Lock			
		Seal			2040594-4
		Mating Connector			
		Extraction Tool		776441-1	
		Crimp Tool			
		Cavity Plug		776363-1	
		Boots/Caps		1-2035366, 2035047-6, 2040594, 2292800-1, 2302493	

SIX-POSITION CONNECTORS

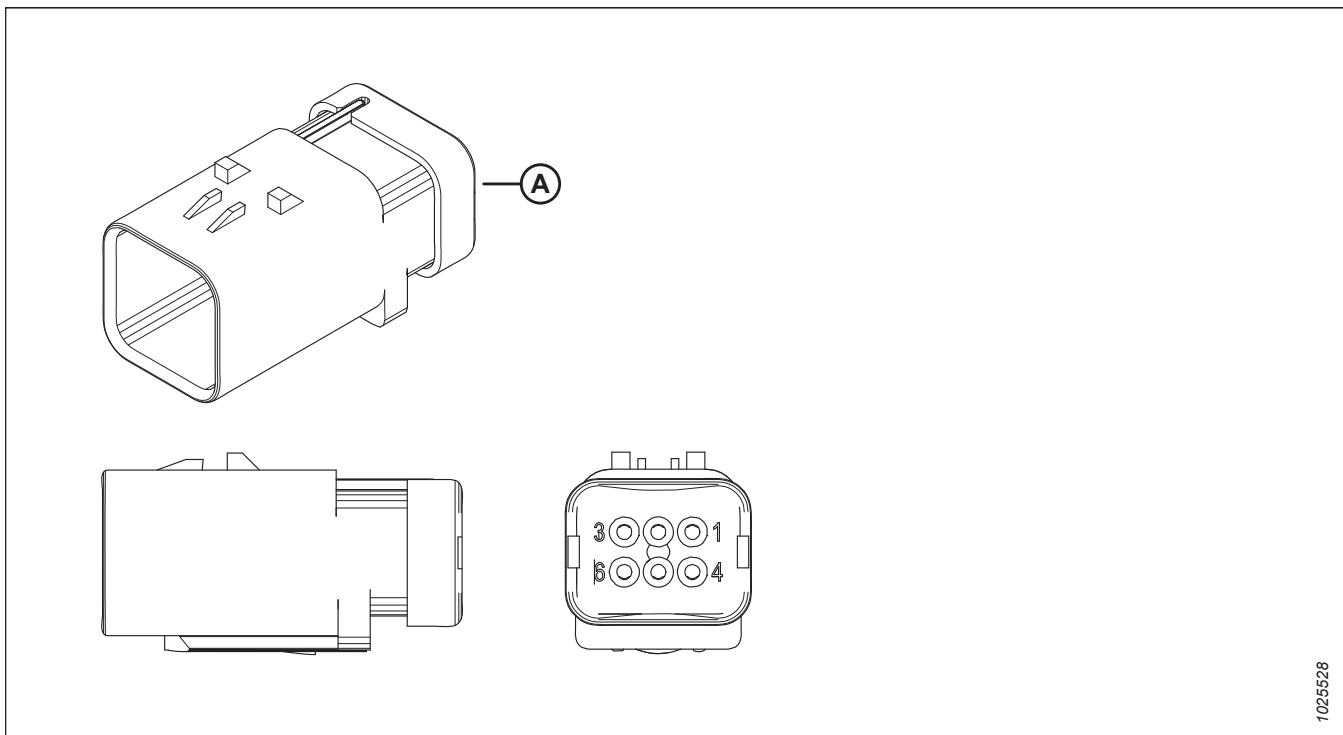
7.13



	MacDon Part #	Description	Manufacturer	Series	Manufacturer Part #
A		Connector – Plug (YELLOW Insert)	Tyco	Ampseal 16	776433-3
		Terminal			776491, 776492, 2098253, 776491
		Lock			
		Secondary Lock			
		Seal			2040594-4
		Mating Connector			
		Extraction Tool			776441-1
		Crimp Tool			
		Cavity Plug			776363-1
		Boots/Caps			1-2035366, 2035047-6, 2040594, 2292800-1, 2302493

SIX-POSITION CONNECTORS

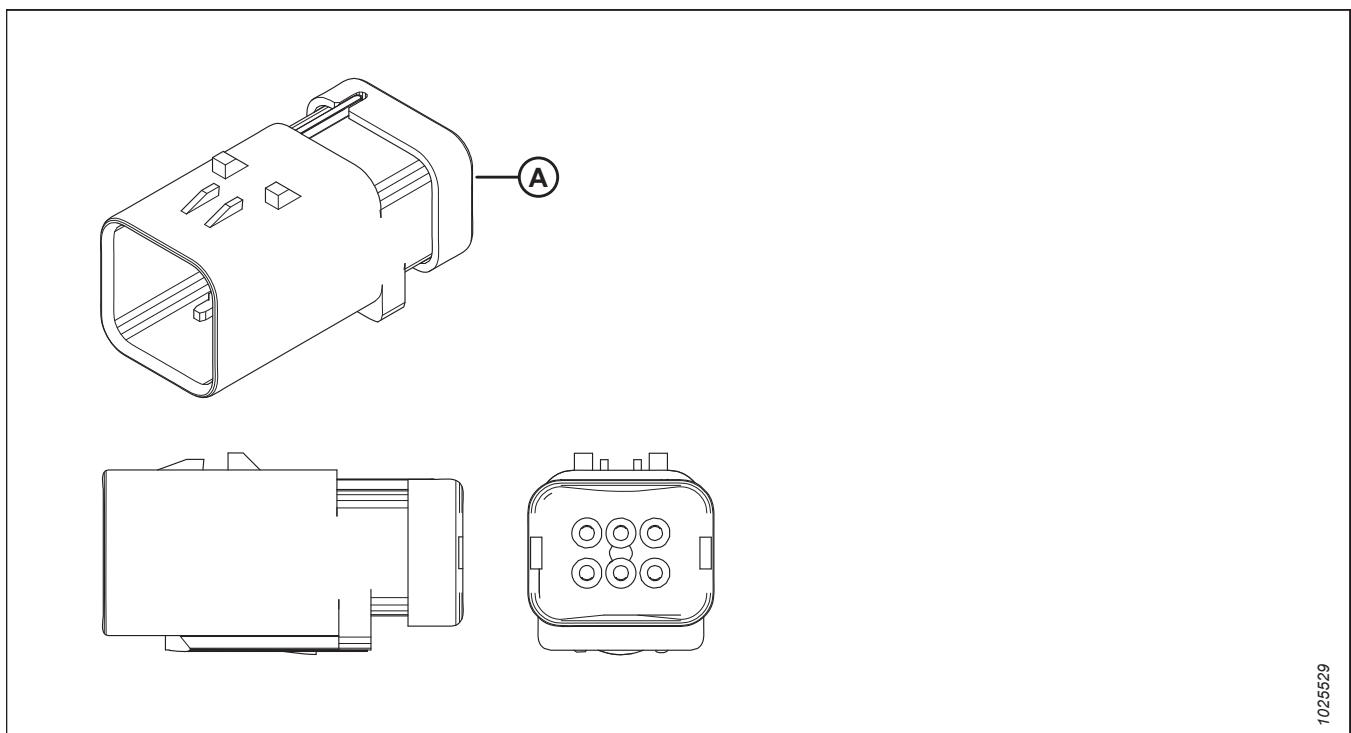
7.14



	MacDon Part #	Description	Manufacturer	Series	Manufacturer Part #
A		Connector – Receptacle (RED Insert)	Tyco	Ampseal 16	776434-1
		Terminal			638078, 638112, 2098252
		Lock			
		Secondary Lock			
		Seal			
		Mating Connector			
		Extraction Tool		776441-1	
		Crimp Tool			
		Cavity Plug		776363	
		Boots/Caps		1-2035366, 2035047-6, 2040594, 2292800-1, 2302493	

SIX-POSITION CONNECTORS

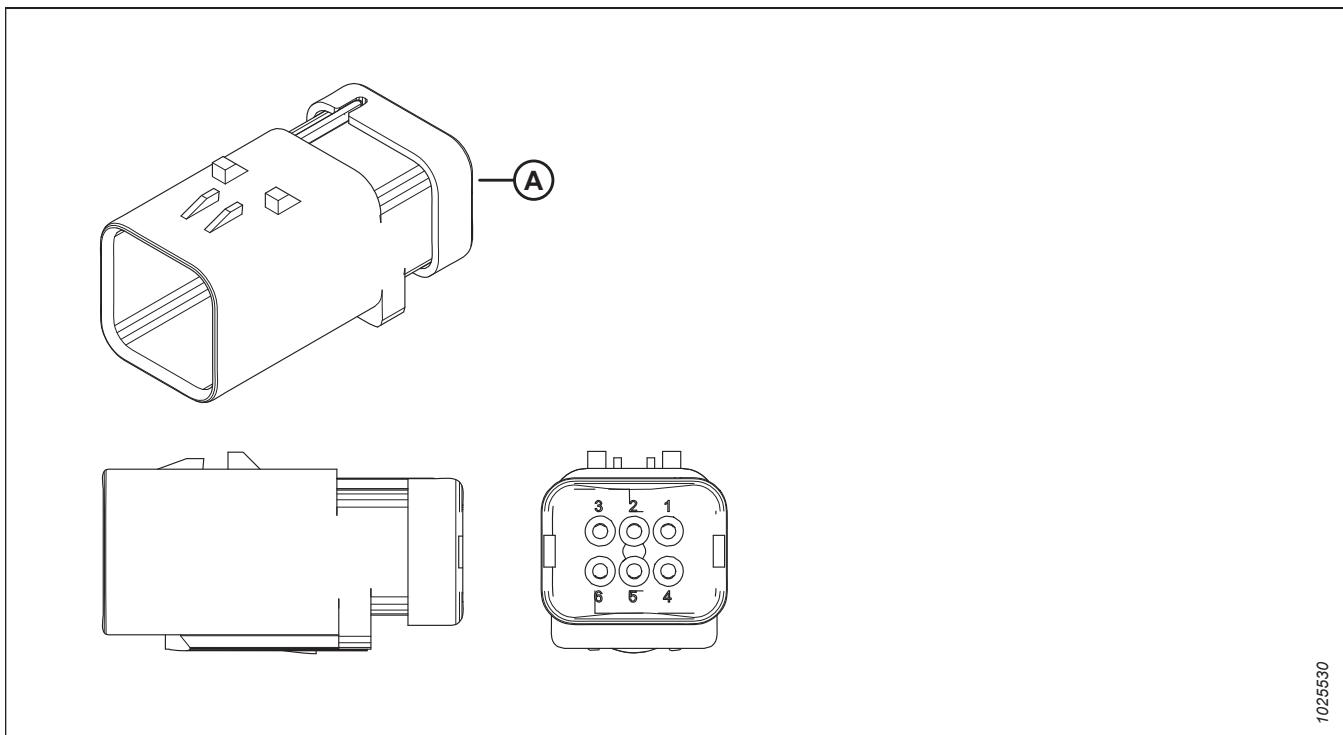
7.15



	MacDon Part #	Description	Manufacturer	Series	Manufacturer Part #
A		Connector – Receptacle (GRAY Insert)	Tyco	Ampseal 16	776434-2
		Terminal			638078, 638112, 2098252
		Lock			
		Secondary Lock			
		Seal			
		Mating Connector			
		Extraction Tool		776441-1	
		Crimp Tool			
		Cavity Plug		776363	
		Boots/Caps		1-2035366, 2035047-6, 2040594, 2292800-1, 2302493	

SIX-POSITION CONNECTORS

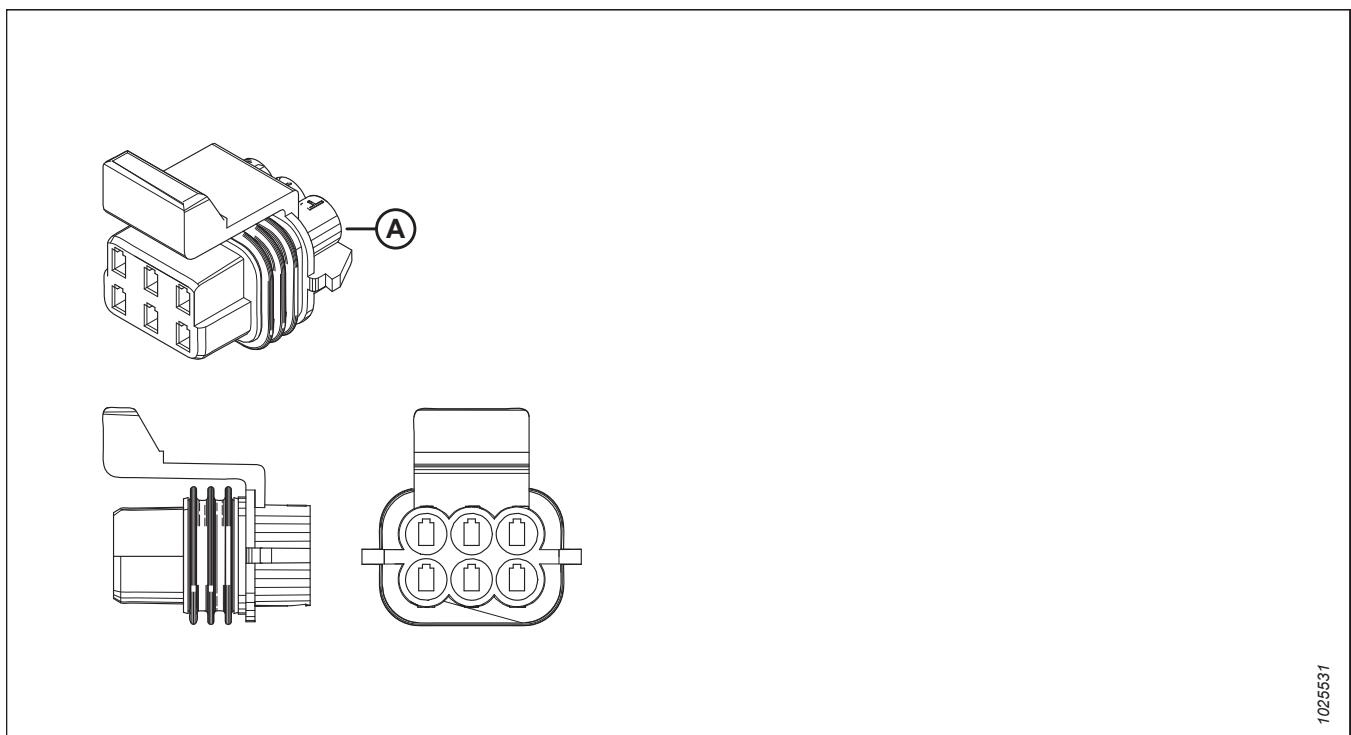
7.16



	MacDon Part #	Description	Manufacturer	Series	Manufacturer Part #
A		Connector – Receptacle (YELLOW Insert)	Tyco	Ampseal 16	776434-3
		Terminal			638078, 638112, 2098252
		Lock			
		Secondary Lock			
		Seal			
		Mating Connector			
		Extraction Tool		776441-1	
		Crimp Tool			
		Cavity Plug		776363	
		Boots/Caps		1-2035366, 2035047-6, 2040594, 2292800-1, 2302493	

SIX-POSITION CONNECTORS

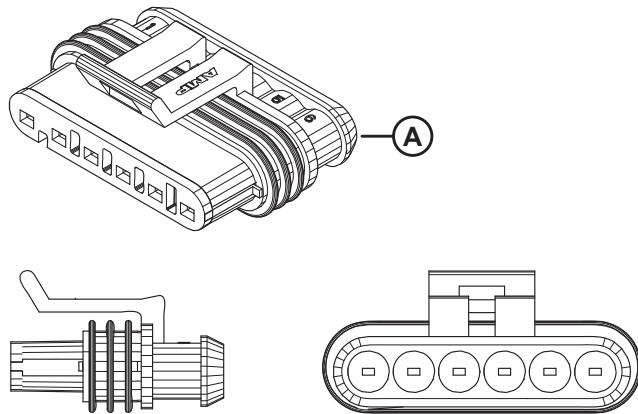
7.17



	MacDon Part #	Description	Manufacturer	Series	Manufacturer Part #
A		Connector – Plug	Delphi	150	12052848
		Terminal			10724453, 12048074, 12084200, 12160222, 12160223, 15326396, 15337281, 15326225, 15366078, 15363934
		Lock			
		Secondary Lock			12052850
		Seal			12124669, 12084193, 12059168, 12129926, 15344953, 15324981, 15324818, 15393249, 15324973, 15324974
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		Mating Connector		12052849, 12124107	
		Extraction Tool			
		Crimp Tool			
		Boots/Caps		12092601, 12052846	

SIX-POSITION CONNECTORS

7.18

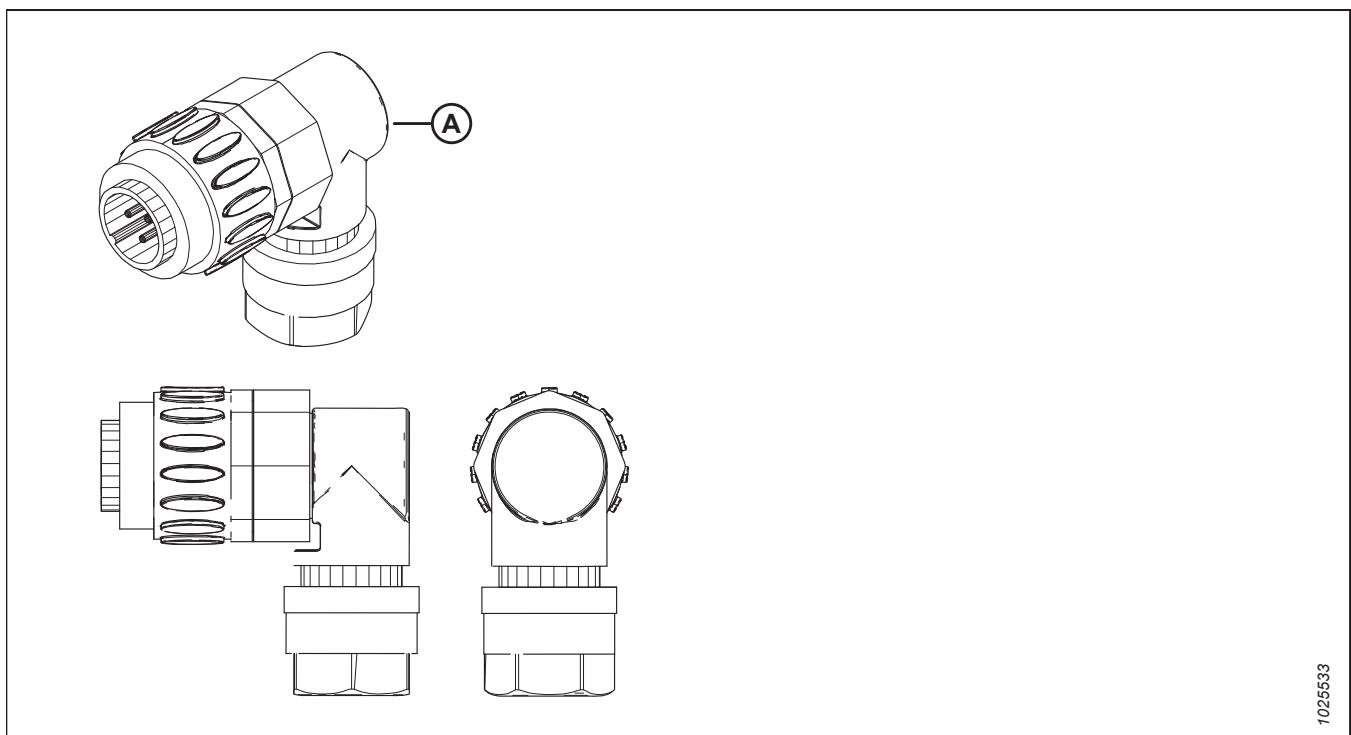


1025532

	MacDon Part #	Description	Manufacturer	Series	Manufacturer Part #
A		Connector – Plug	Tyco		282090-1
		Terminal			
		Lock			
		Secondary Lock			
		Seal			
		Mating Connector		GSA-U3000NLO	
		Extraction Tool			
		Crimp Tool			
		Cavity Plug			
		Boots/Caps			

SIX-POSITION CONNECTORS

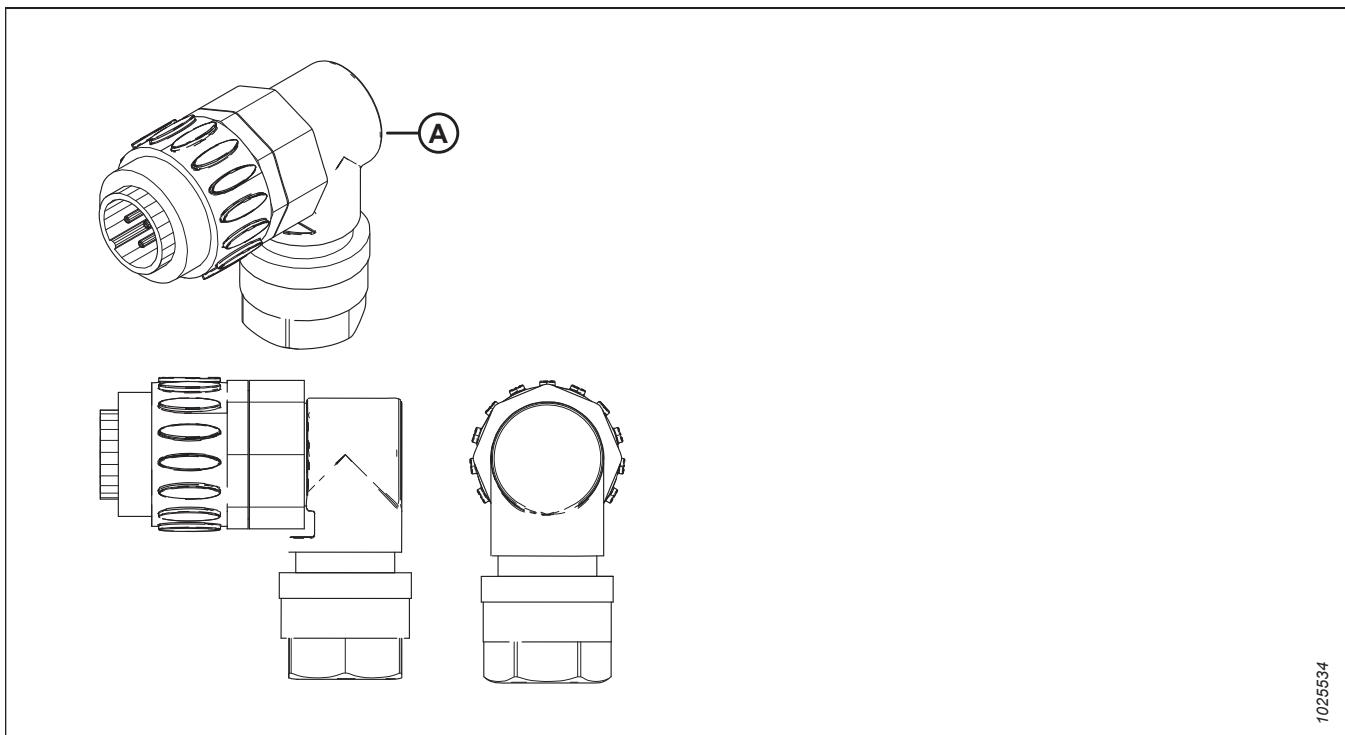
7.19



	MacDon Part #	Description	Manufacturer	Series	Manufacturer Part #
A		Connector – Receptacle (BLUE Body)	Amphenol		C01610K00600010
		Terminal			
		Lock			
		Secondary Lock			
		Seal			
		Mating Connector			
		Extraction Tool			
		Crimp Tool			
		Cavity Plug			
		Boots/Caps			

SIX-POSITION CONNECTORS

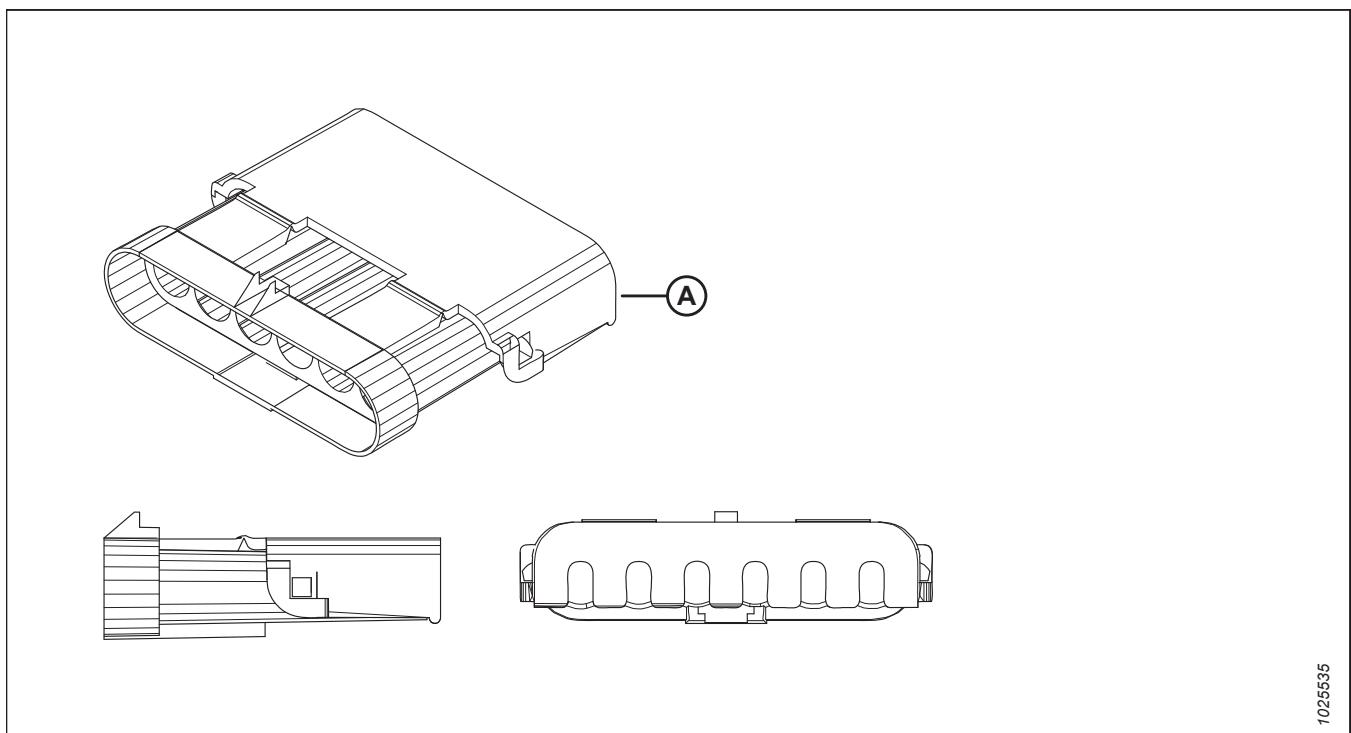
7.20



	MacDon Part #	Description	Manufacturer	Series	Manufacturer Part #
A		Connector – Receptacle (BLACK Body)	Amphenol		C01610K00600012
		Terminal			
		Lock			
		Secondary Lock			
		Seal			
		Mating Connector			
		Extraction Tool			
		Crimp Tool			
		Cavity Plug			
		Boots/Caps			

SIX-POSITION CONNECTORS

7.21

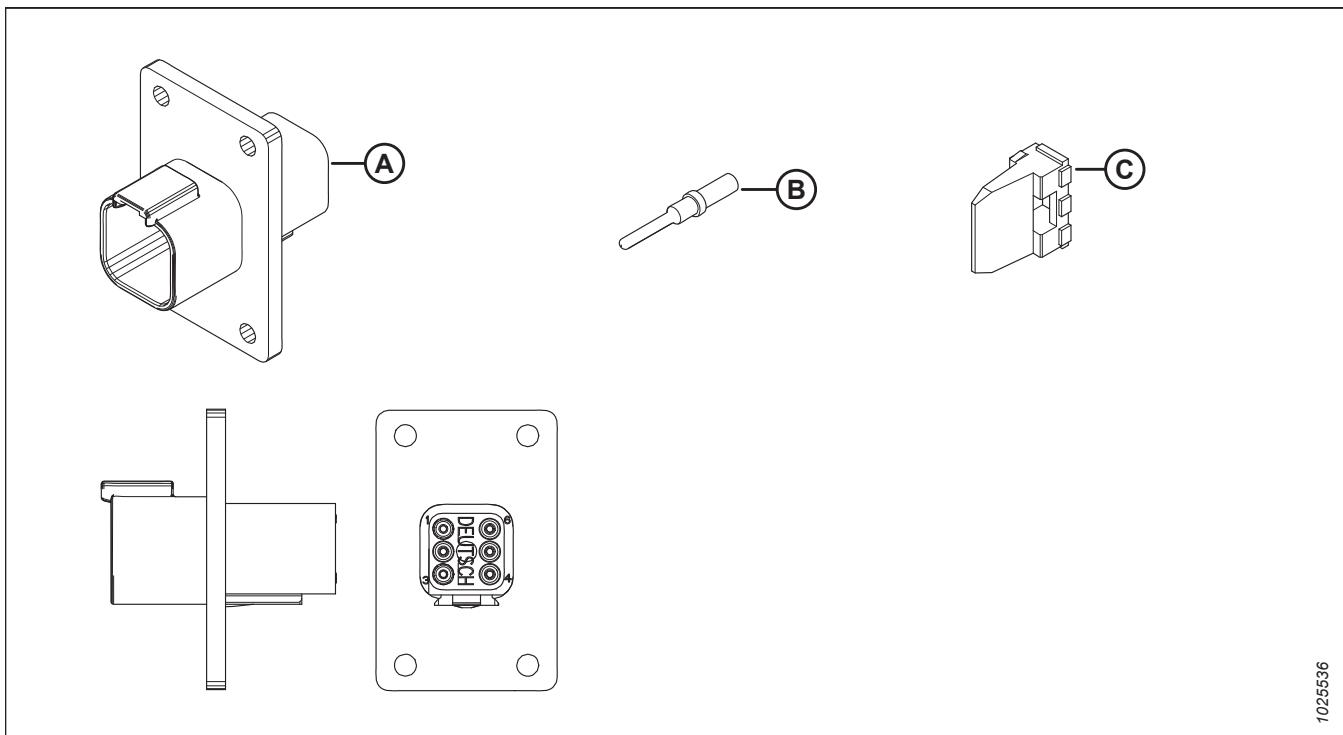


1025535

	MacDon Part #	Description	Manufacturer	Series	Manufacturer Part #
A		Connector – Receptacle	Delphi		12010975
		Terminal			
		Lock			
		Secondary Lock			
		Seal			
		Mating Connector			
		Extraction Tool			
		Crimp Tool			
		Cavity Plug			
		Boots/Caps			

SIX-POSITION CONNECTORS

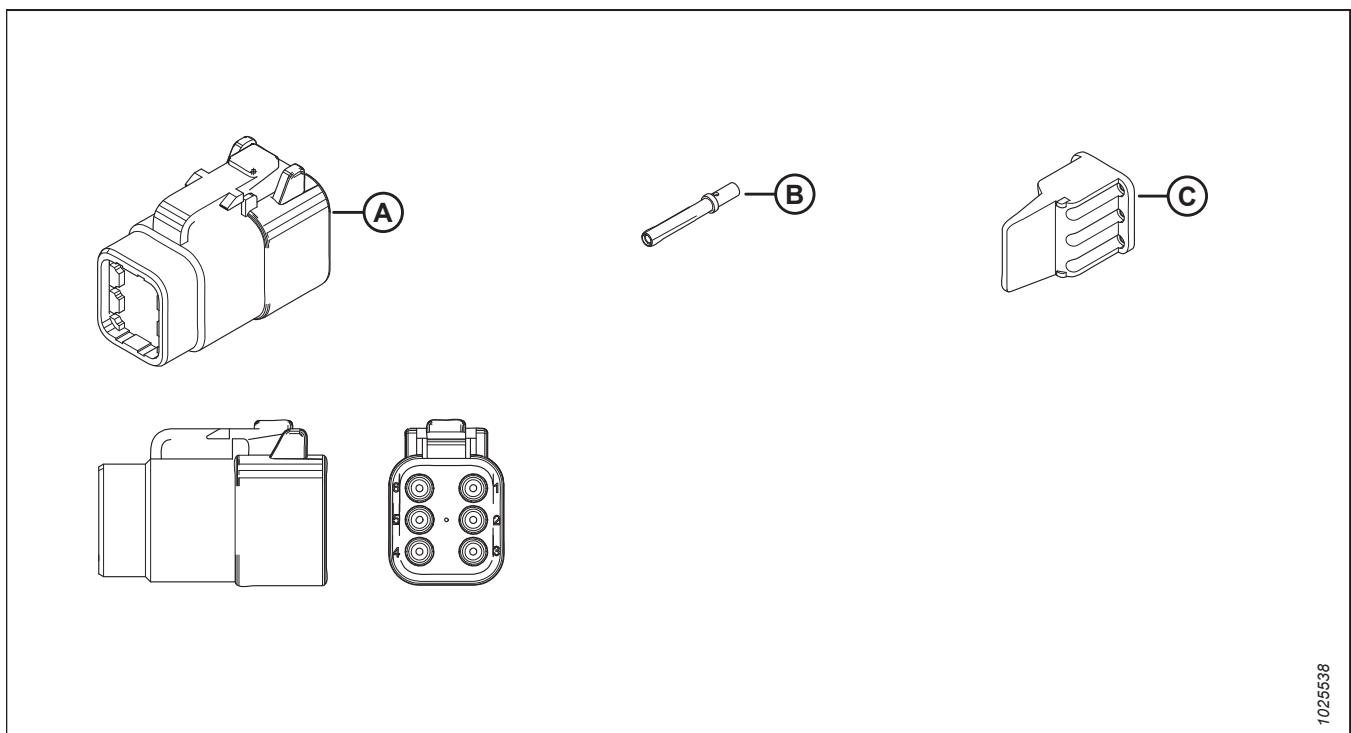
7.22



	MacDon Part #	Description	Manufacturer	Series	Manufacturer Part #
A		Connector – Receptacle	Deutsch	DT	DT04-6P-L012
B	134023	Terminal – Pin (16–18 ga)	Deutsch	Size 16	0460-202-16141 (nickel), 0460-202-1631 (gold)
C		Lock			W6P
		Secondary Lock			
		Seal			
		Mating Connector			
		Extraction Tool			
		Crimp Tool			
		Cavity Plug			
		Boots/Caps			

SIX-POSITION CONNECTORS

7.23

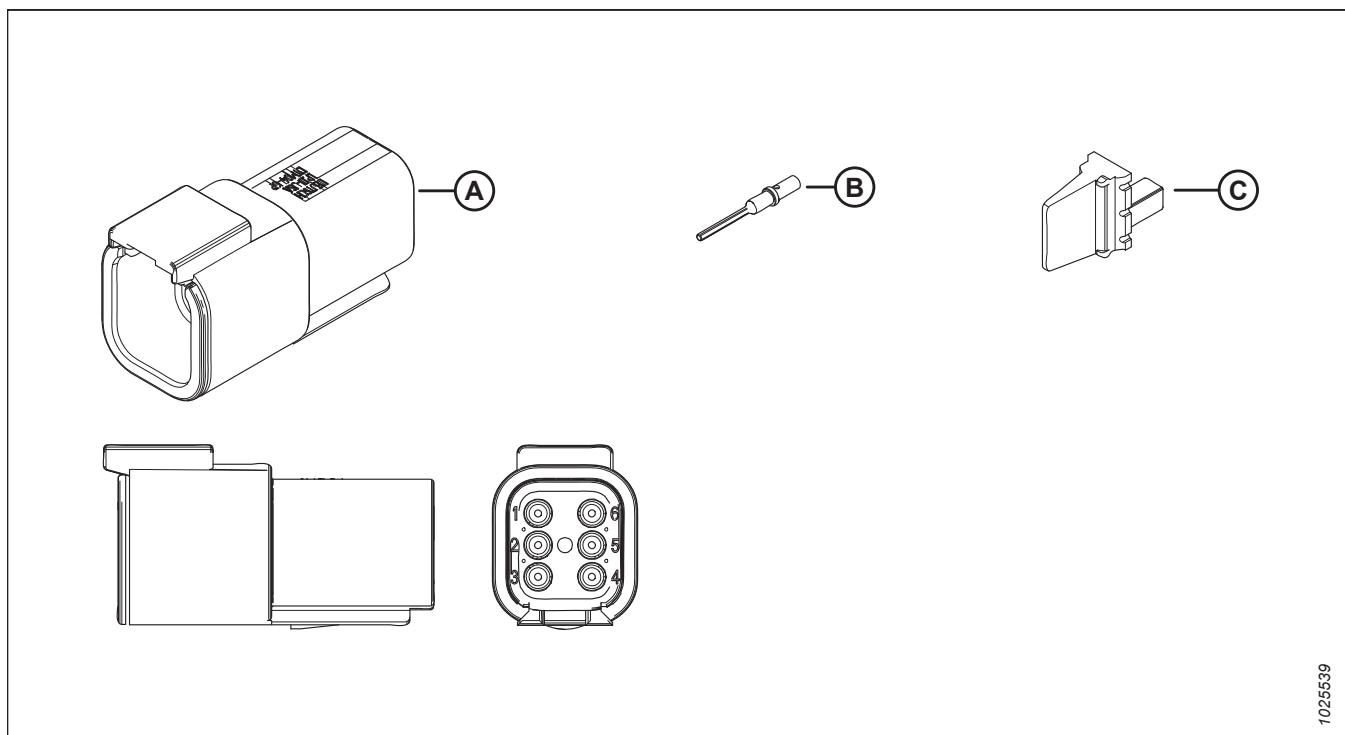


1025538

	MacDon Part #	Description	Manufacturer	Series	Manufacturer Part #
A		Connector – Plug	Deutsch	DT	DTM06-6S-E004
B	134017	Terminal – Socket		Size 20	0462-201-20141 (nickel), 0462-201-2031 (gold)
C		Lock			WM-6S
		Secondary Lock			
		Seal			
		Mating Connector		DTM04-6P-E004, DTM04-6P-E005	
		Extraction Tool			
		Crimp Tool			
		Cavity Plug			
		Boots/Caps		DTM6S-BT	

SIX-POSITION CONNECTORS

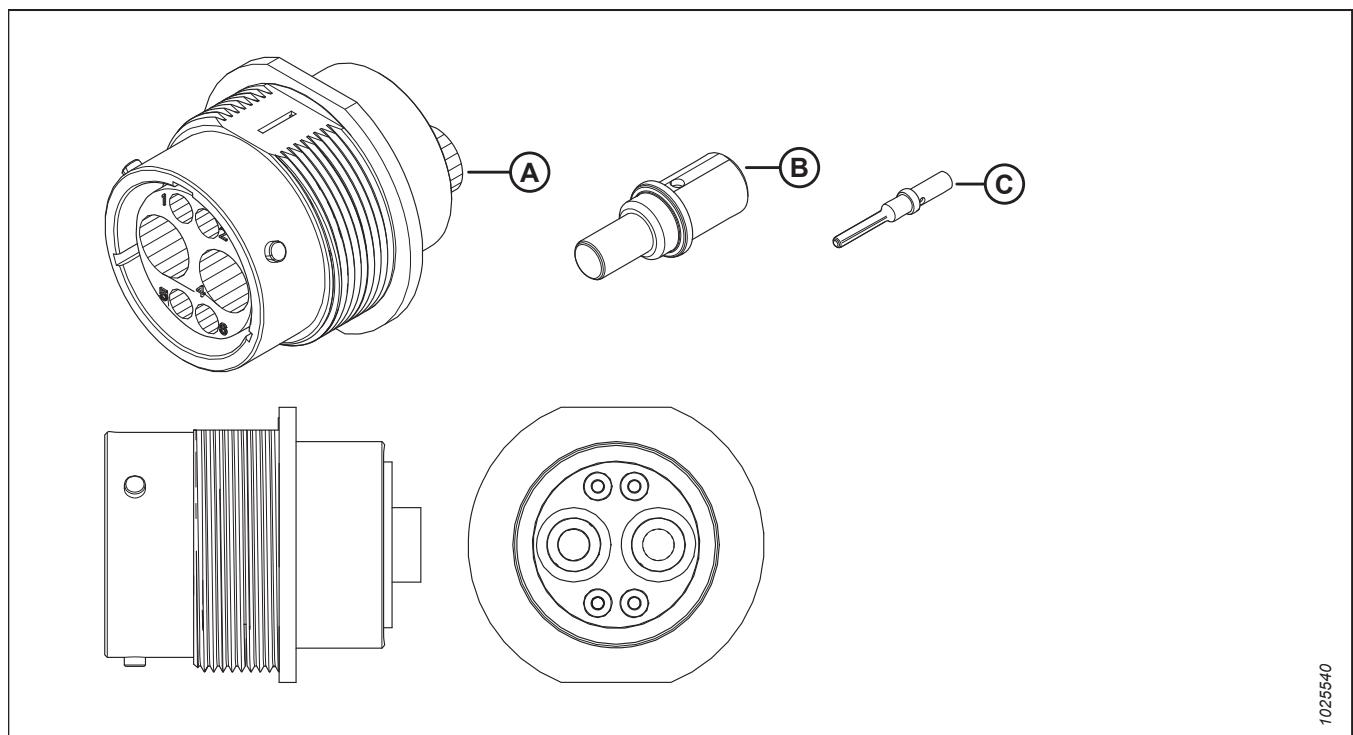
7.24



	MacDon Part #	Description	Manufacturer	Series	Manufacturer Part #	
A		Connector – Receptacle	Deutsch	DT	DTM04-6P-E004	
B	134016	Terminal – Pin		Size 20	0460-202-20141 (nickel), 0460-202-2031 (gold)	
C		Lock			WM-6P	
		Secondary Lock				
		Seal				
		Mating Connector	DTM06-6S-E004, DTM06-6S-E005, DTM06-6S-EE03			
		Extraction Tool				
		Crimp Tool				
		Cavity Plug				
		Boots/Caps	DTM6P-BT, 1011-026-0205, 1027-003-1200			

SIX-POSITION CONNECTORS

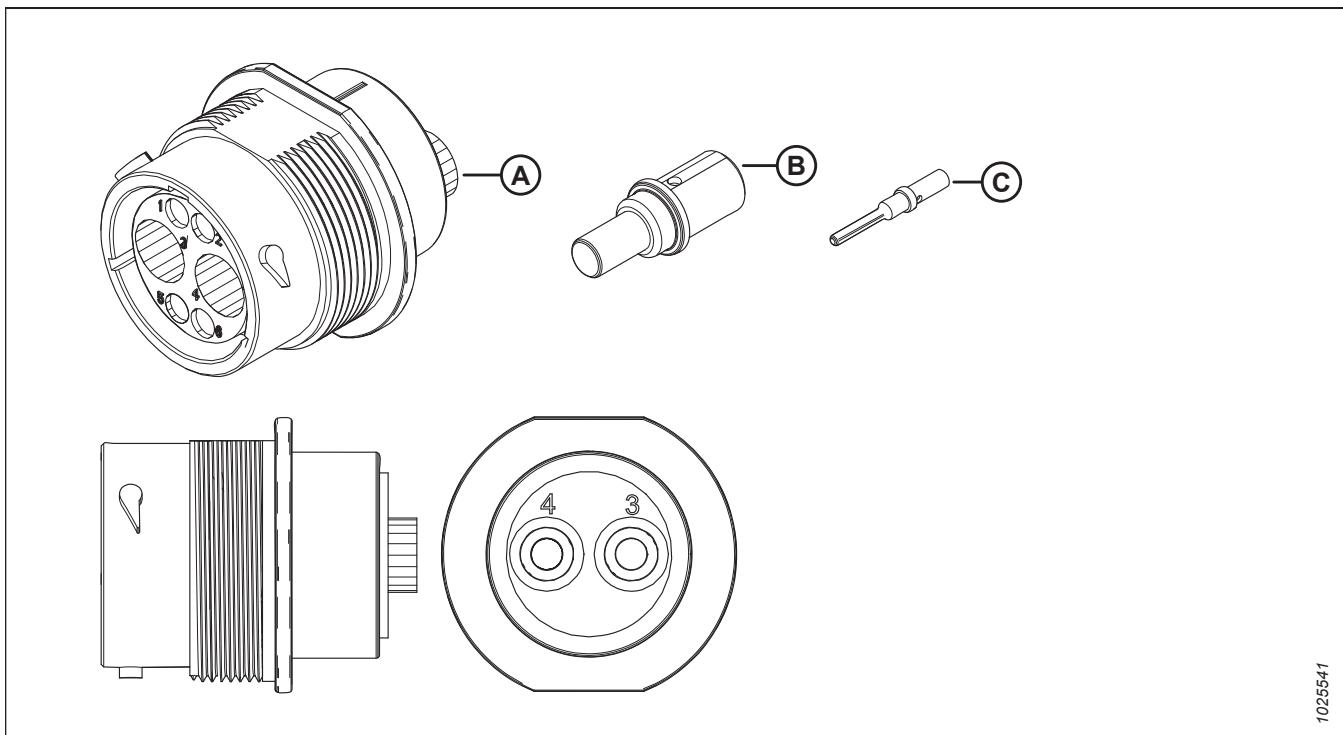
7.25



	MacDon Part #	Description	Manufacturer	Series	Manufacturer Part #
A		Connector – Receptacle	Deutsch	HD30	HD34-18-6PN
B		Terminal – Pin		Size 4	0460-204-0490 (nickel)
C	134023	Terminal – Pin		Size 16	0460-202-16141 (nickel), 0460-202-1631 (gold)
		Lock			
		Secondary Lock			
		Seal			
		Mating Connector			
		Extraction Tool			
		Crimp Tool			
		Cavity Plug			
		Boots/Caps			

SIX-POSITION CONNECTORS

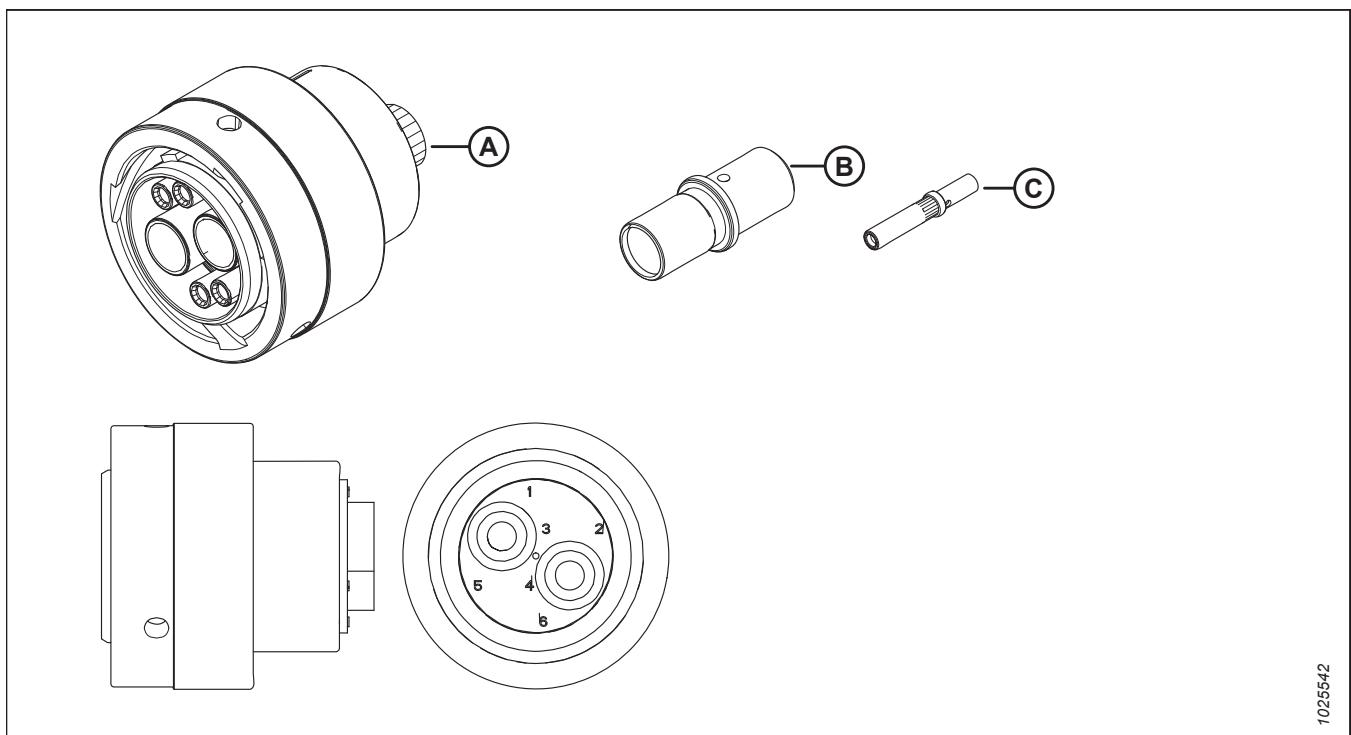
7.26



	MacDon Part #	Description	Manufacturer	Series	Manufacturer Part #
A		Connector – Receptacle	Deutsch	HDP20	HDP24-18-6PN-C030
B		Terminal – Pin		Size 4	0460-204-0490 (nickel)
C	134023	Terminal – Pin		Size 16	0460-202-16141 (nickel), 0460-202-1631 (gold)
		Lock			
		Secondary Lock			
		Seal			
		Mating Connector			
		Extraction Tool			
		Crimp Tool			
		Cavity Plug			
		Boots/Caps			

SIX-POSITION CONNECTORS

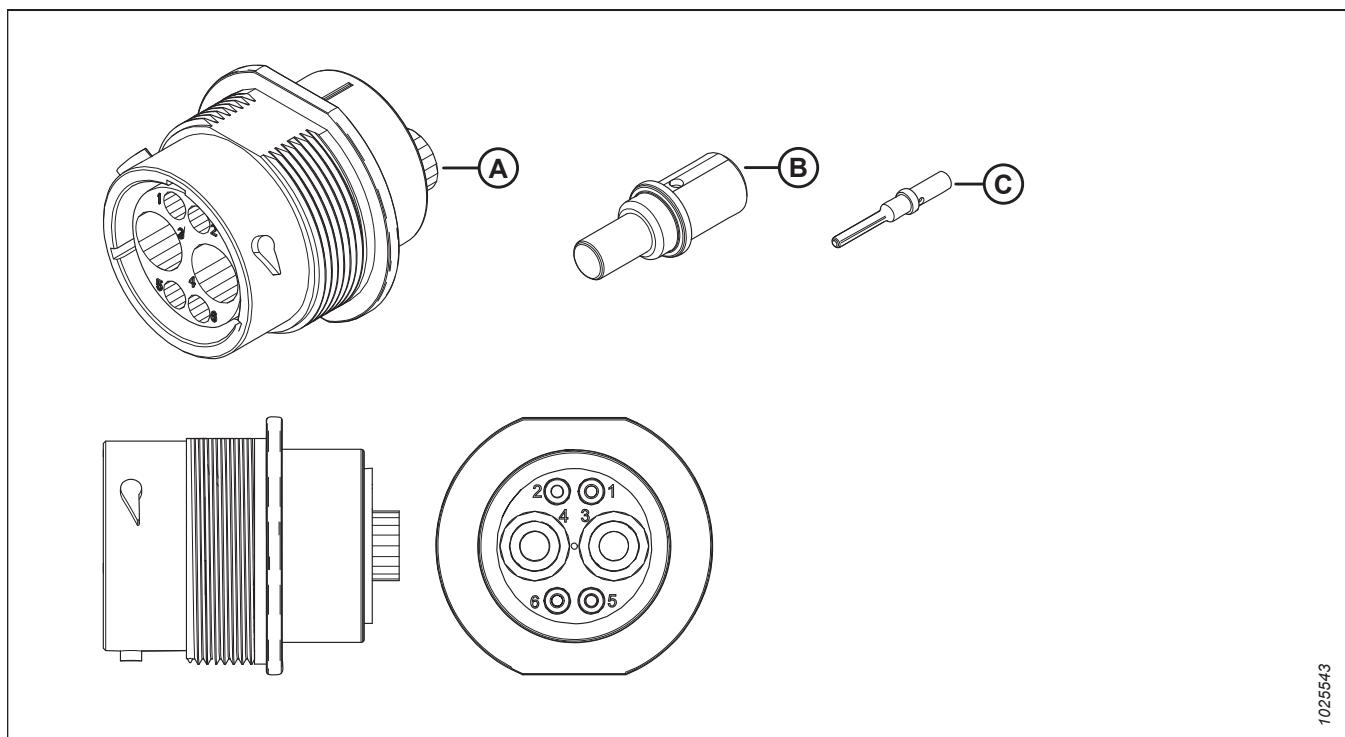
7.27



	MacDon Part #	Description	Manufacturer	Series	Manufacturer Part #
A		Connector – Plug	Deutsch	HDP20	HDP26-18-6SN-C030
B		Terminal – Socket		Size 4	0462-203-04141 (nickel)
C	134026	Terminal – Socket		Size 16	0462-201-16141 (nickel), 0462-201-1631 (gold)
		Lock			
		Secondary Lock			
		Seal			
		Mating Connector			
		Extraction Tool			
		Crimp Tool			
		Cavity Plug			
		Boots/Caps			

SIX-POSITION CONNECTORS

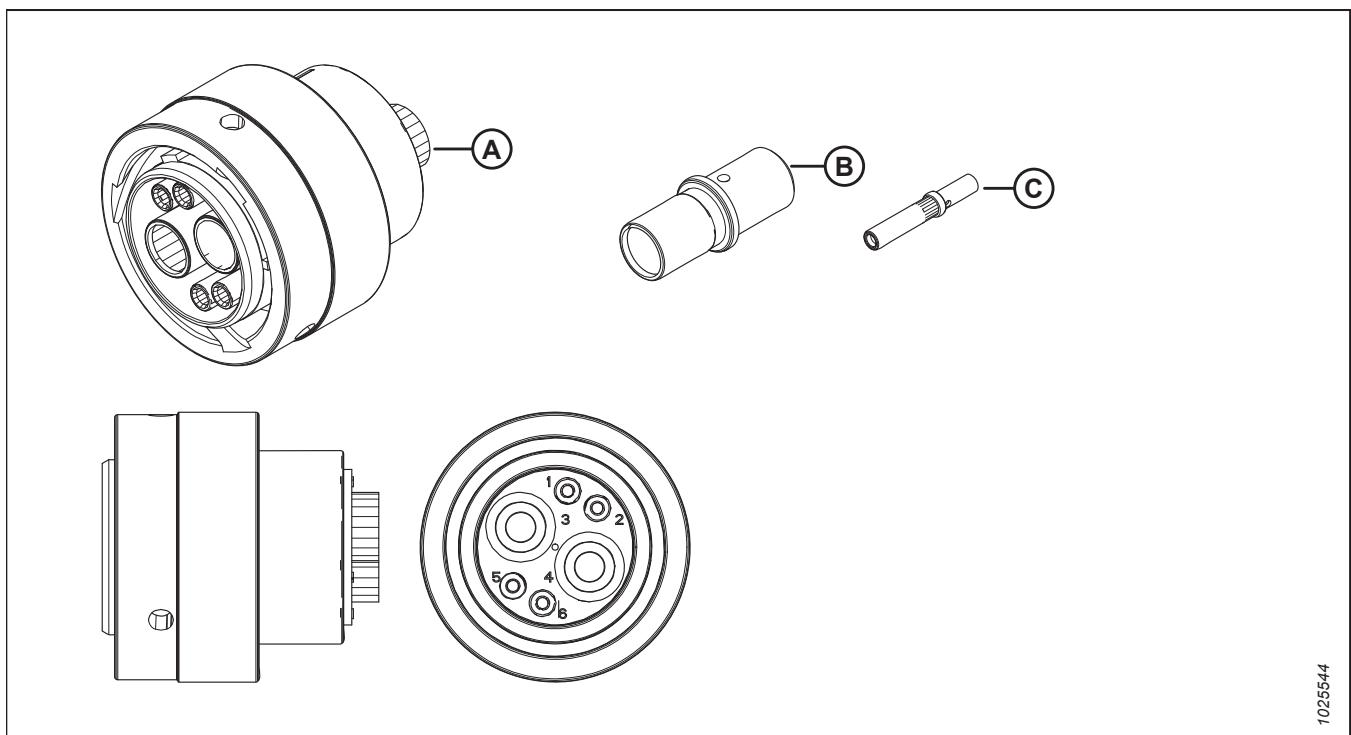
7.28



	MacDon Part #	Description	Manufacturer	Series	Manufacturer Part #
A		Connector – Receptacle	Deutsch	HDP20	HDP24-18-6PN
B		Terminal – Pin		Size 4	0460-204-0490 (nickel)
C	134023	Terminal – Pin		Size 16	0460-202-16141 (nickel), 0460-202-1631 (gold)
		Lock			
		Secondary Lock			
		Seal			
		Mating Connector			
		Extraction Tool			
		Crimp Tool			
		Cavity Plug			
		Boots/Caps			

SIX-POSITION CONNECTORS

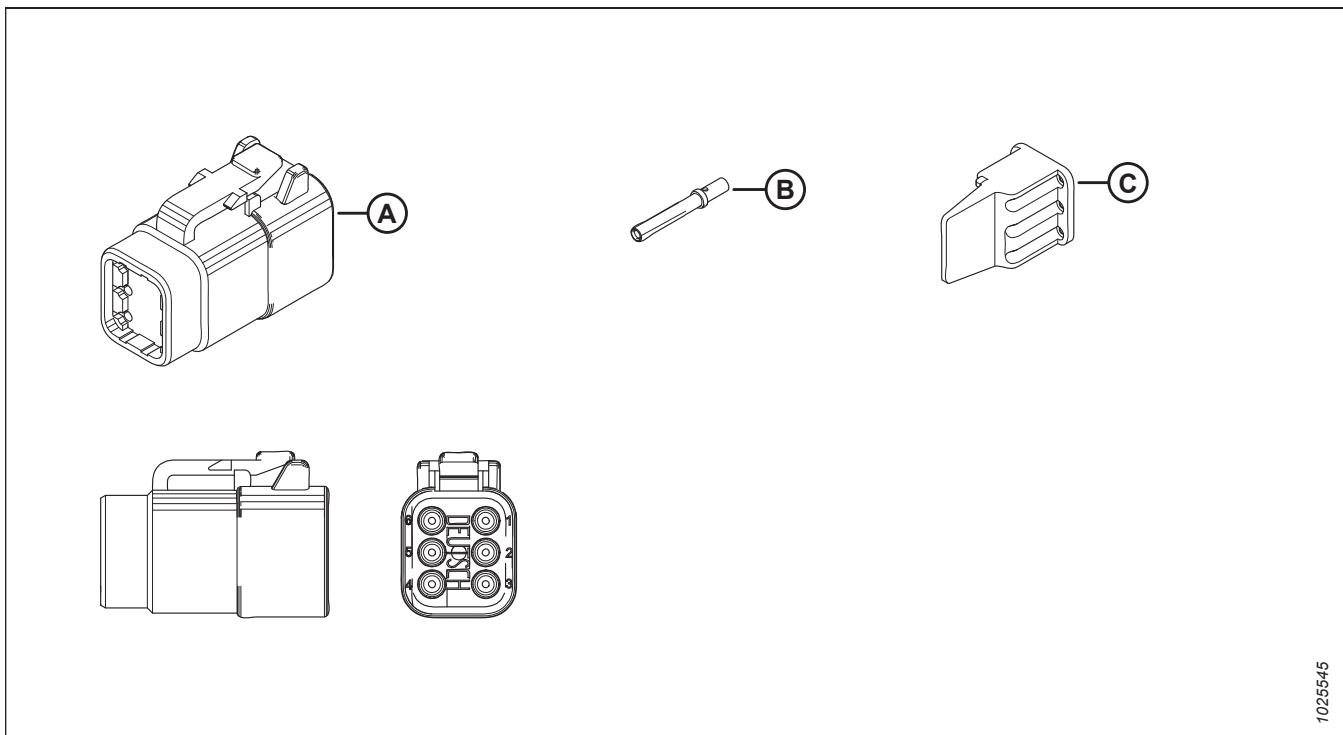
7.29



	MacDon Part #	Description	Manufacturer	Series	Manufacturer Part #
A		Connector – Plug	Deutsch	HDP20	HDP26-18-6SN
B		Terminal – Socket		Size 4	0462-203-04141 (nickel)
C	134026	Terminal – Socket		Size 16	0462-201-16141 (nickel), 0462-201-1631 (gold)
		Lock			
		Secondary Lock			
		Seal			
		Mating Connector			
		Extraction Tool			
		Crimp Tool			
		Cavity Plug			
		Boots/Caps			

SIX-POSITION CONNECTORS

7.30

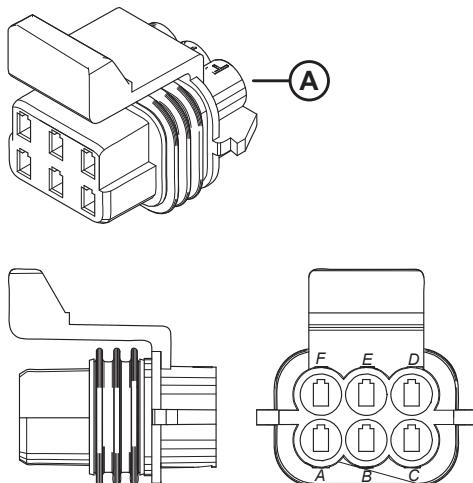


1025545

	MacDon Part #	Description	Manufacturer	Series	Manufacturer Part #
A		Connector – Socket	Deutsch	DT	DTM06-6S
B	134017	Terminal – Socket		Size 20	0462-201-20141 (nickel), 0462-201-2031 (gold)
C		Lock		WM	WM-65
		Secondary Lock			
		Seal			
		Mating Connector			
		Extraction Tool			
		Crimp Tool			
		Cavity Plug			
		Boots/Caps			

SIX-POSITION CONNECTORS

7.31

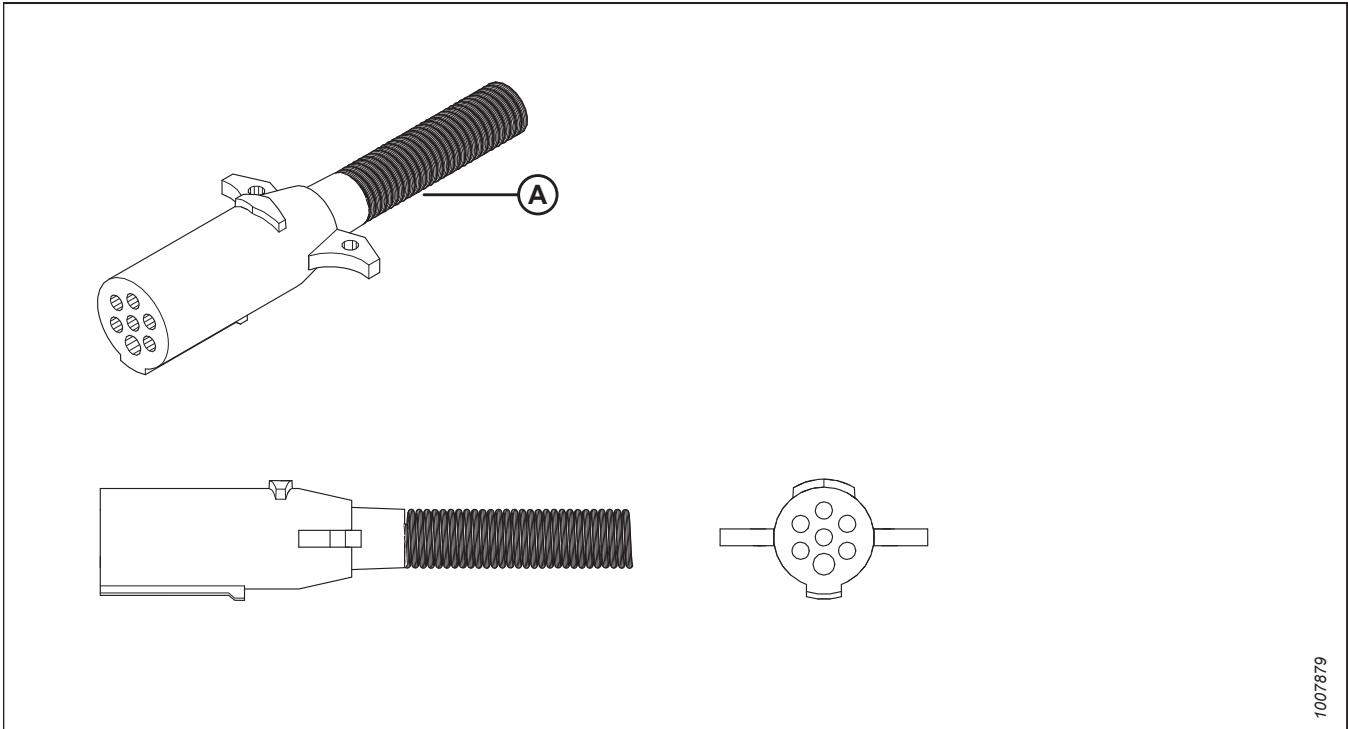


1025964

	MacDon Part #	Description	Manufacturer	Series	Manufacturer Part #
A		Connector – Plug	Delphi	Metri-Pack 150	12052848
		Terminal			
		Lock			
		Secondary Lock			
		Seal			
		Mating Connector			
		Extraction Tool			
		Crimp Tool			
		Cavity Plug			
		Boots/Caps			

Chapter 8: Seven-Position Connectors

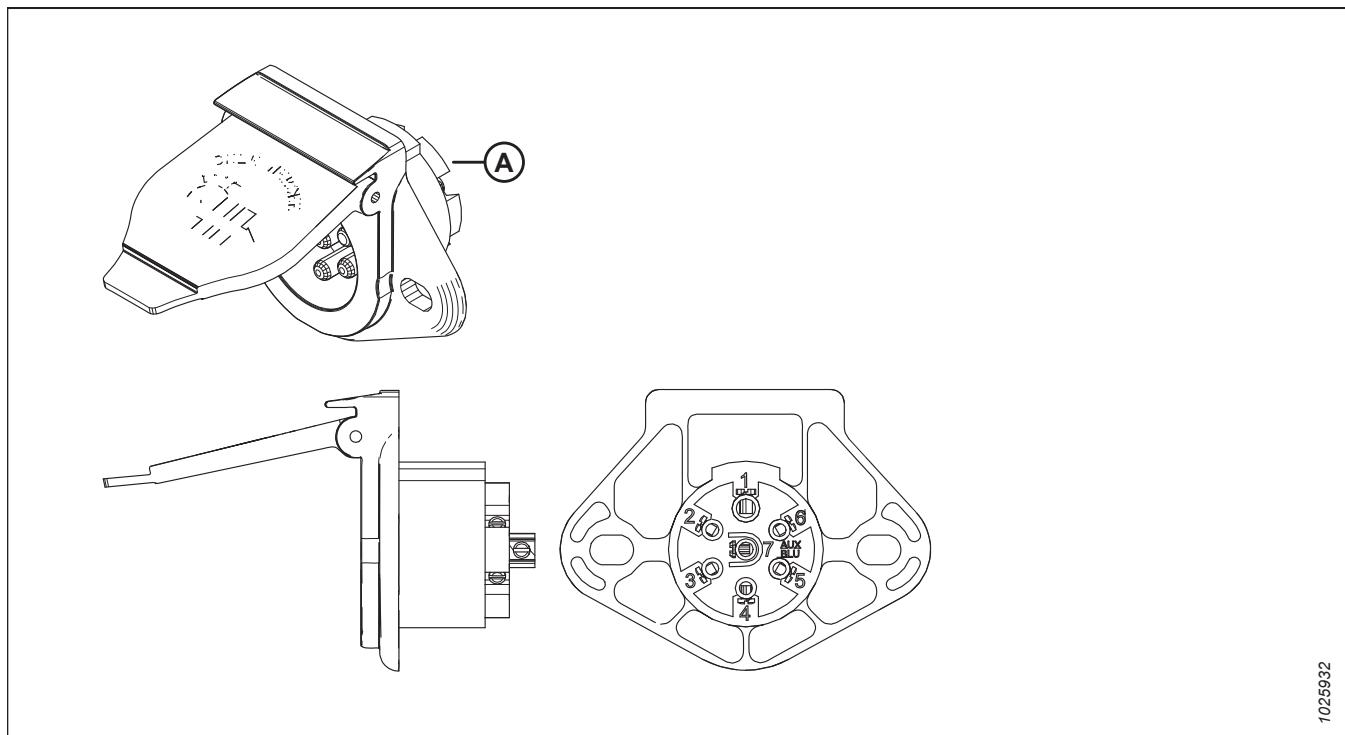
8.1



	MacDon Part #	Description	Manufacturer	Series	Manufacturer Part #
A	30710	Connector – Trailer Plug	Cole-Hersee Pollak		12082 11-710
	Mating Connector			Cole-Hersee 12080, Pollak 11-723	
	Extraction Tool				
	Crimp Tool				

SEVEN-POSITION CONNECTORS

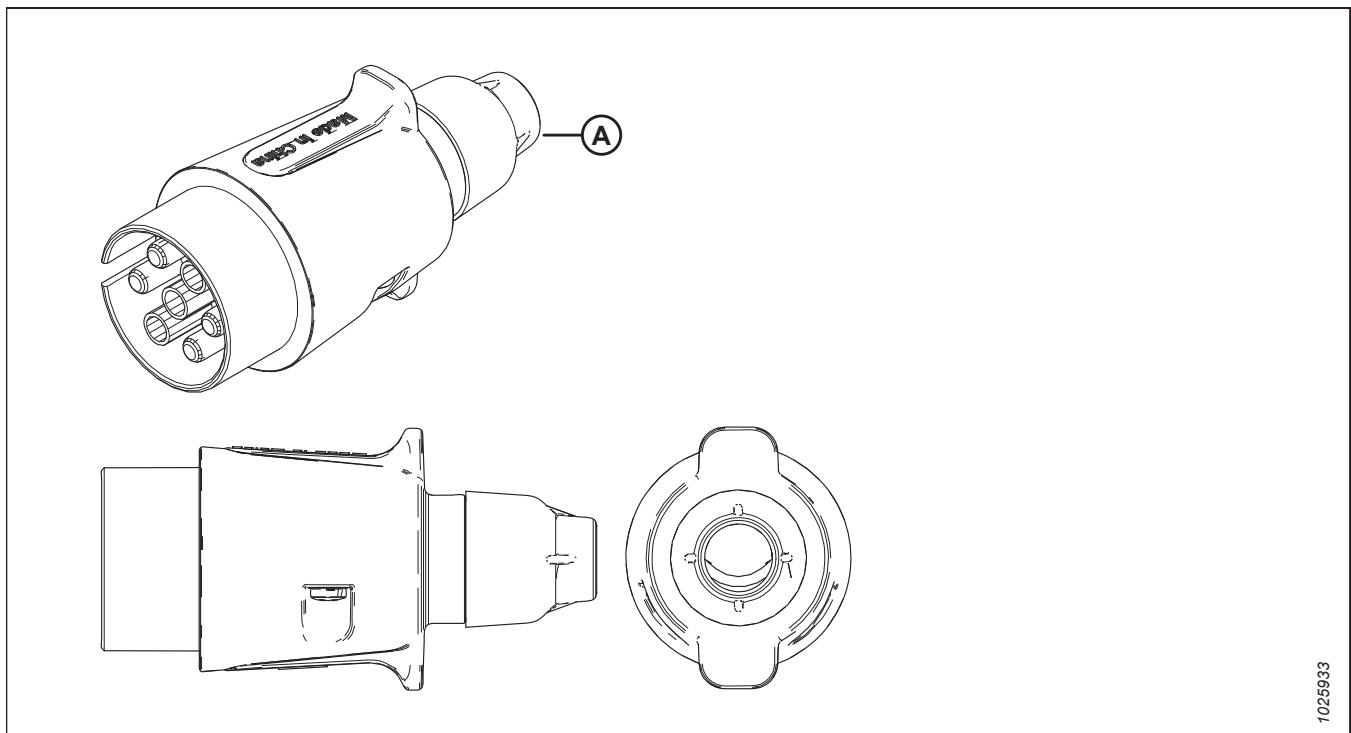
8.2



	MacDon Part #	Description	Manufacturer	Series	Manufacturer Part #
A	30461	Connector – Trailer Socket	Cole-Hersee Pollak		12080 11-723
		Mating Connector	Cole-Hersee 12082, Pollak 11-710		
		Extraction Tool			
		Crimp Tool			

SEVEN-POSITION CONNECTORS

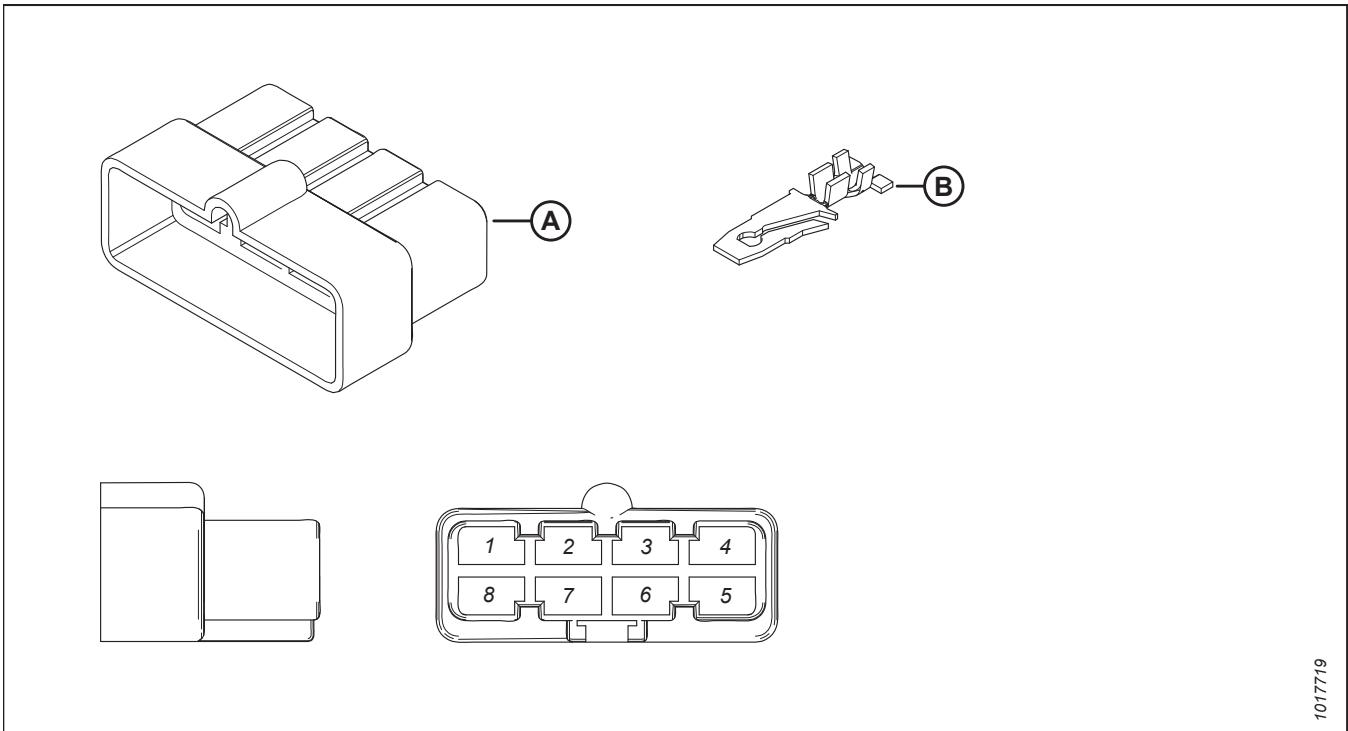
8.3



	MacDon Part #	Description	Manufacturer	Series	Manufacturer Part #
A		Connector – Electrical	Bosch		0-352-170-003
		Terminal			
		Lock			
		Secondary Lock			
		Seal			
		Mating Connector			
		Extraction Tool			
		Crimp Tool			
		Cavity Plug			
		Boots/Caps			

Chapter 9: Eight-Position Connectors

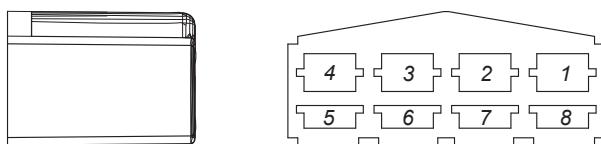
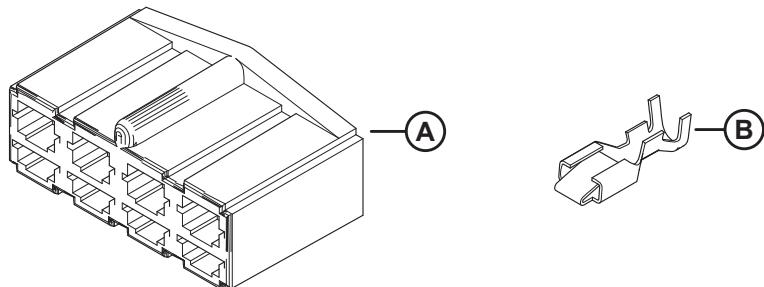
9.1



	MacDon Part #	Description	Manufacturer	Series	Manufacturer Part #
A		Connector – Plug	Delphi	56	2965972
B	134112	Terminal – Tab	Delphi	56	12010106 8917283 2965481
<hr/>					
		Mating Connector	2965446		
	134159	Extraction Tool	12094430		
		Crimp Tool			

EIGHT-POSITION CONNECTORS

9.2

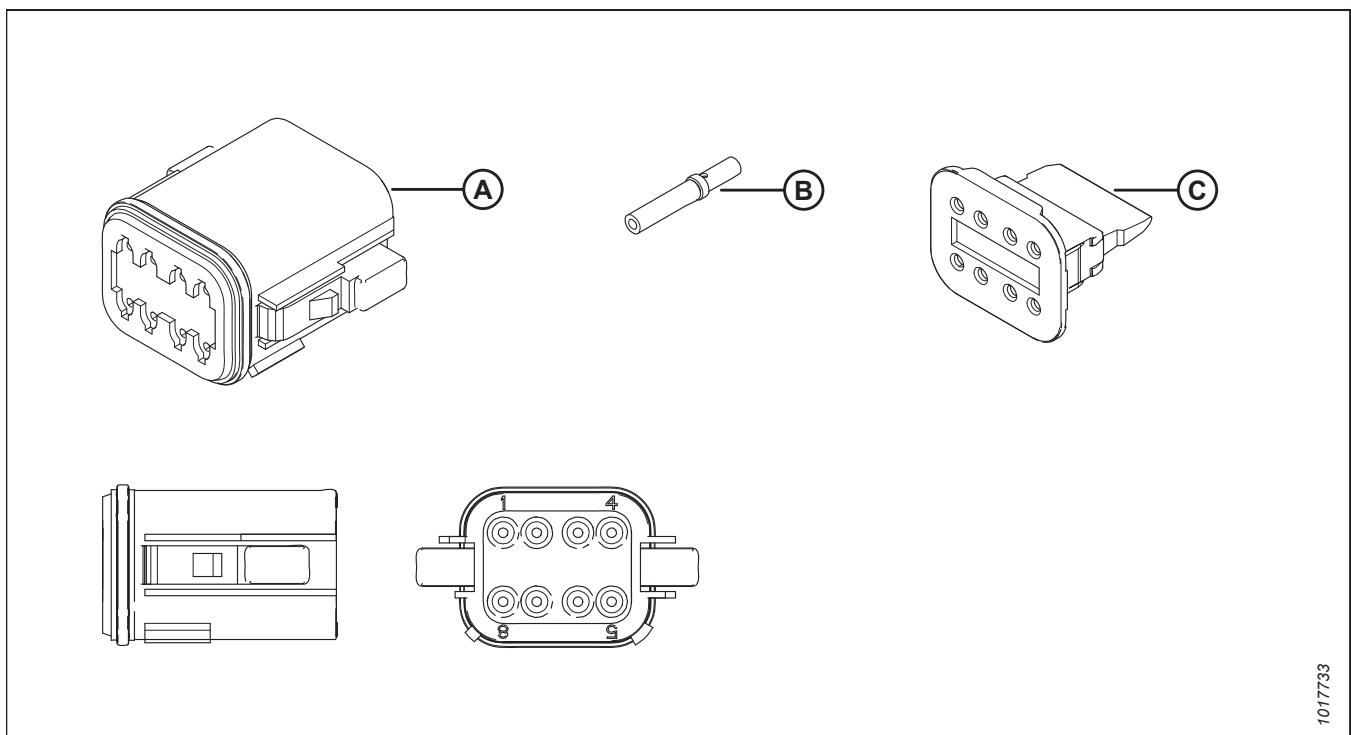


1000994

	MacDon Part #	Description	Manufacturer	Series	Manufacturer Part #
A		Connector – Receptacle	Delphi	56	2965446
B		Terminal – Receptacle	Delphi	56	12124517
	Mating Connector				
	Extraction Tool				
	Crimp Tool				

EIGHT-POSITION CONNECTORS

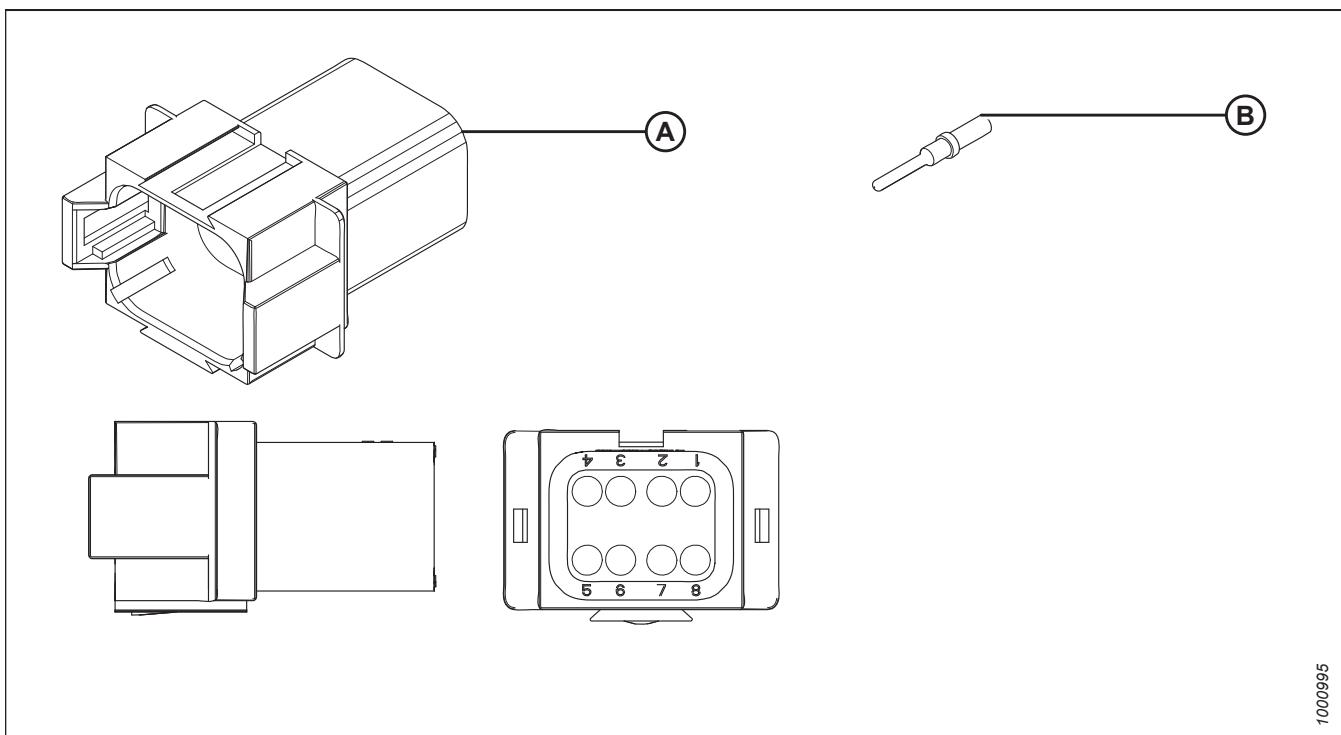
9.3



	MacDon Part #	Description	Manufacturer	Series	Manufacturer Part #
A		Connector – Plug (14–20 ga)	Deutsch	DT	DT06-08SA-P012
B	134026	Terminal – Socket	Deutsch	Size 16	0462-201-16141 (nickel), 0462-201-1631 (gold)
C		Lock	Deutsch	DT	W8S-P012
		Mating Connector	DT04-08PA-E004		
		Extraction Tool			
		Crimp Tool			

EIGHT-POSITION CONNECTORS

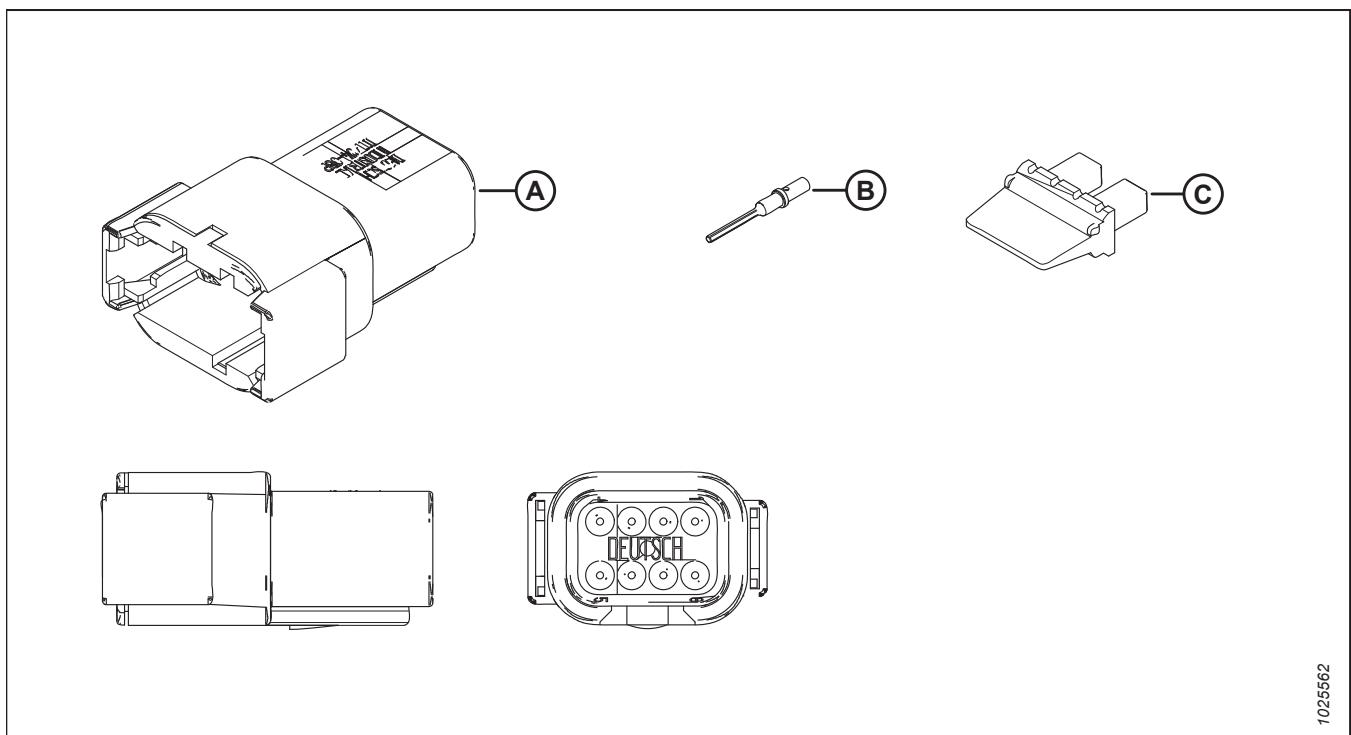
9.4



	MacDon Part #	Description	Manufacturer	Series	Manufacturer Part #	
A		Connector – Receptacle (14–20 ga)	Deutsch	DT	DT04-08PA-E004	
B	134023	Terminal – Pin	Deutsch	Size 16	0460-202-16141 (nickel), 0460-202-1631 (gold)	
		Lock				
		Mating Connector	DT06-08SA-P012			
		Extraction Tool				
	134015	Crimp Tool	HDT-48-00			

EIGHT-POSITION CONNECTORS

9.5

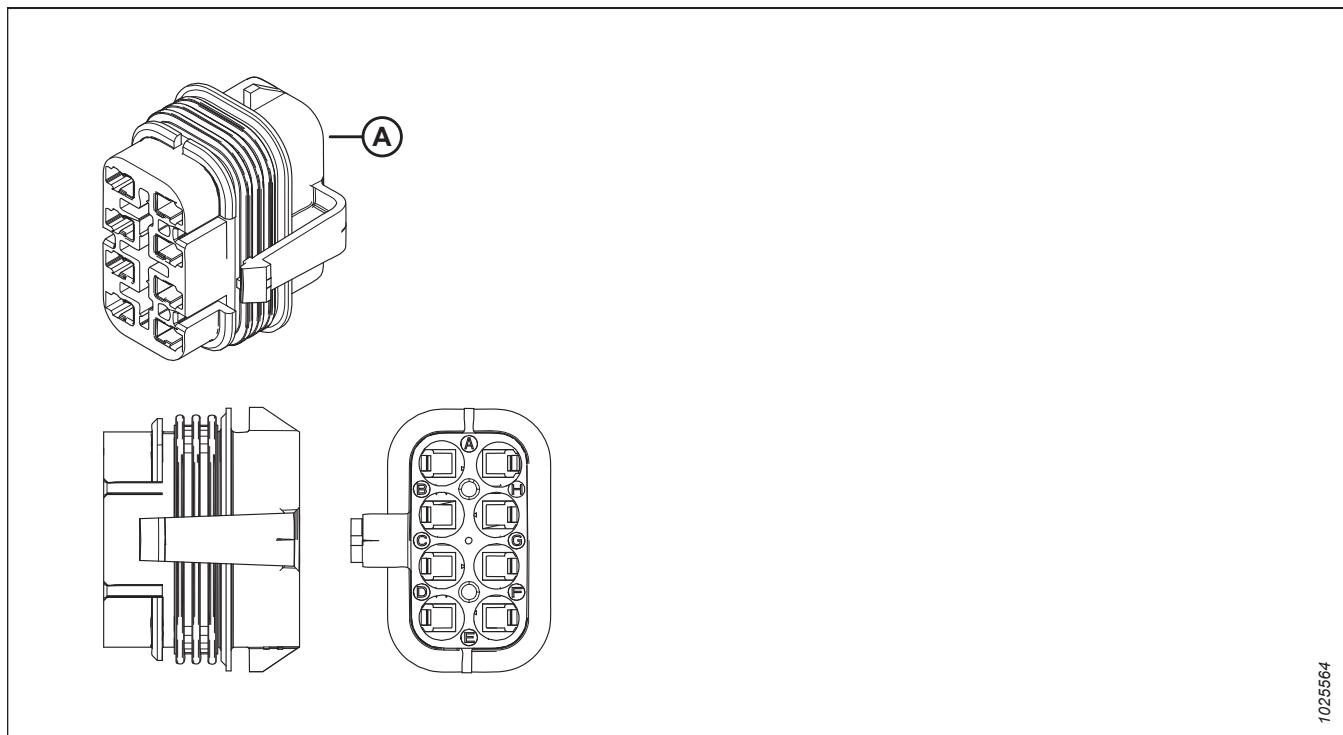


1025562

	MacDon Part #	Description	Manufacturer	Series	Manufacturer Part #
A		Connector – Receptacle	Deutsch	DTM	DTM04-08PA-E004
B	134016	Terminal – Pin		Size 20	0460-202-20141 (nickel), 0460-202-2031 (gold)
C		Lock			WM-8P
		Secondary Lock			
		Seal			
		Mating Connector			
		Extraction Tool			
		Crimp Tool			
		Cavity Plug			
		Boots/Caps			

EIGHT-POSITION CONNECTORS

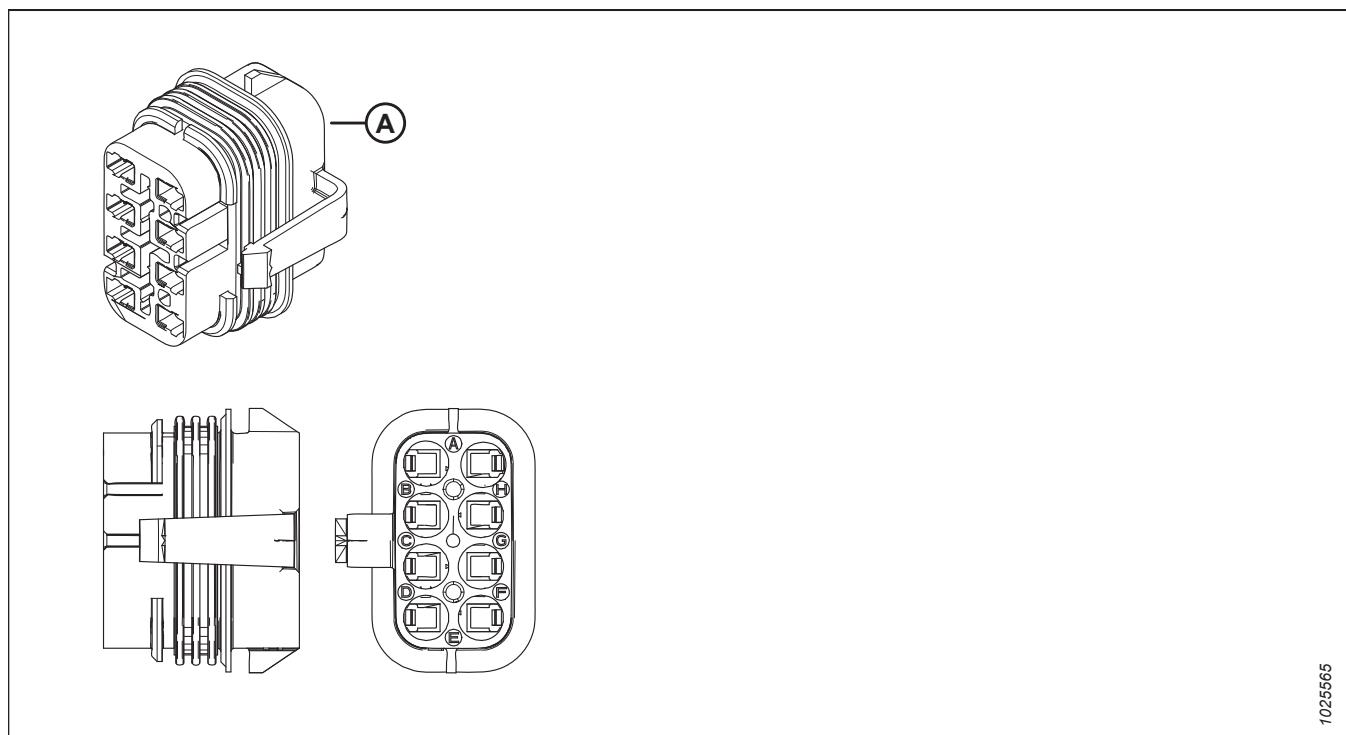
9.6



	MacDon Part #	Description	Manufacturer	Series	Manufacturer Part #
A		Connector – Plug (BLACK Body)	Cooper Bussmann	32000	32006-A22
		Terminal			12084201, 12077411, 12077412, 12129493, 12077413
		Lock			32006-TP2
		Secondary Lock			
		Seal			12010293, 12015323, 15324981, 12089679, 12015899
		Mating Connector			
		Extraction Tool			
		Crimp Tool			
		Cavity Plug			
		Boots/Caps			

EIGHT-POSITION CONNECTORS

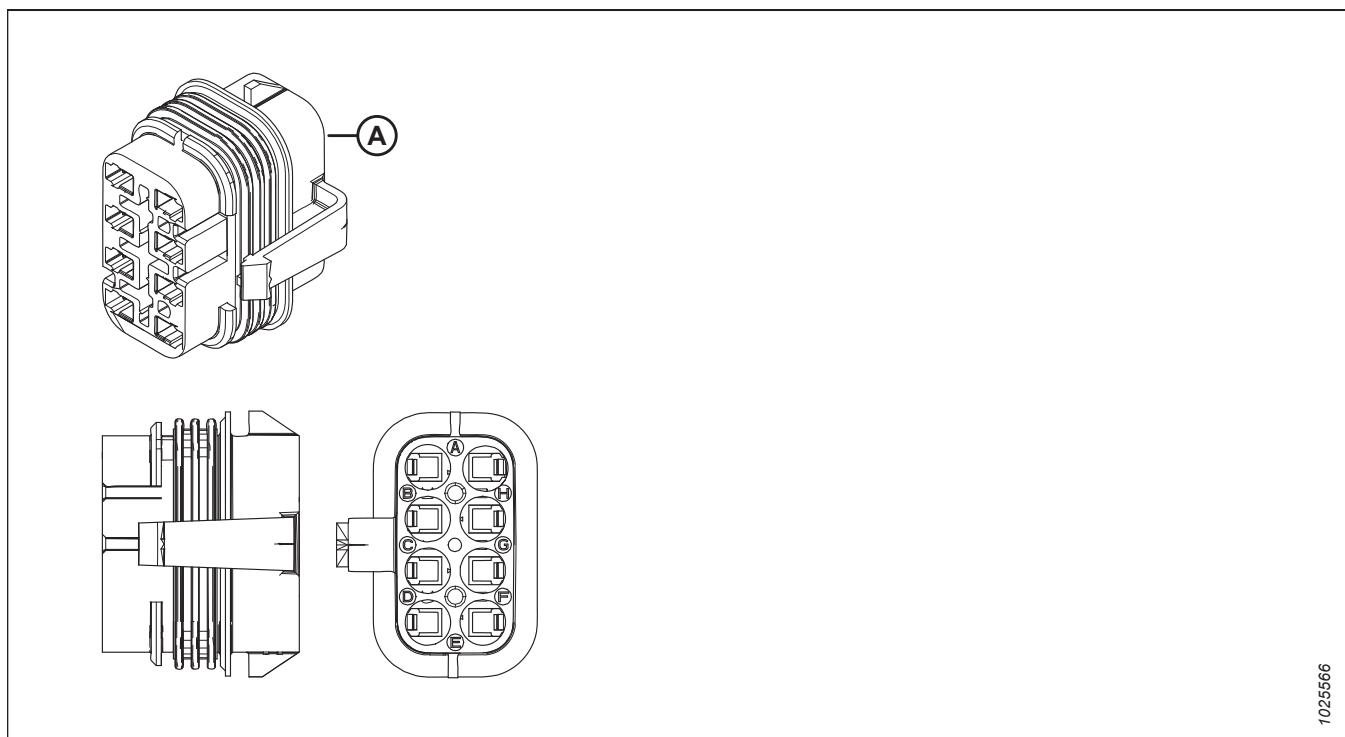
9.7



	MacDon Part #	Description	Manufacturer	Series	Manufacturer Part #
A		Connector – Plug (GRAY Body)	Cooper Bussmann	32000	32006-B22
		Terminal			12084201, 12077411, 12077412, 12129493, 12077413
		Lock			32006-TP2
		Secondary Lock			
		Seal			12010293, 12015323, 15324981, 12089679, 12015899
		Mating Connector			
		Extraction Tool			
		Crimp Tool			
		Cavity Plug			
		Boots/Caps			

EIGHT-POSITION CONNECTORS

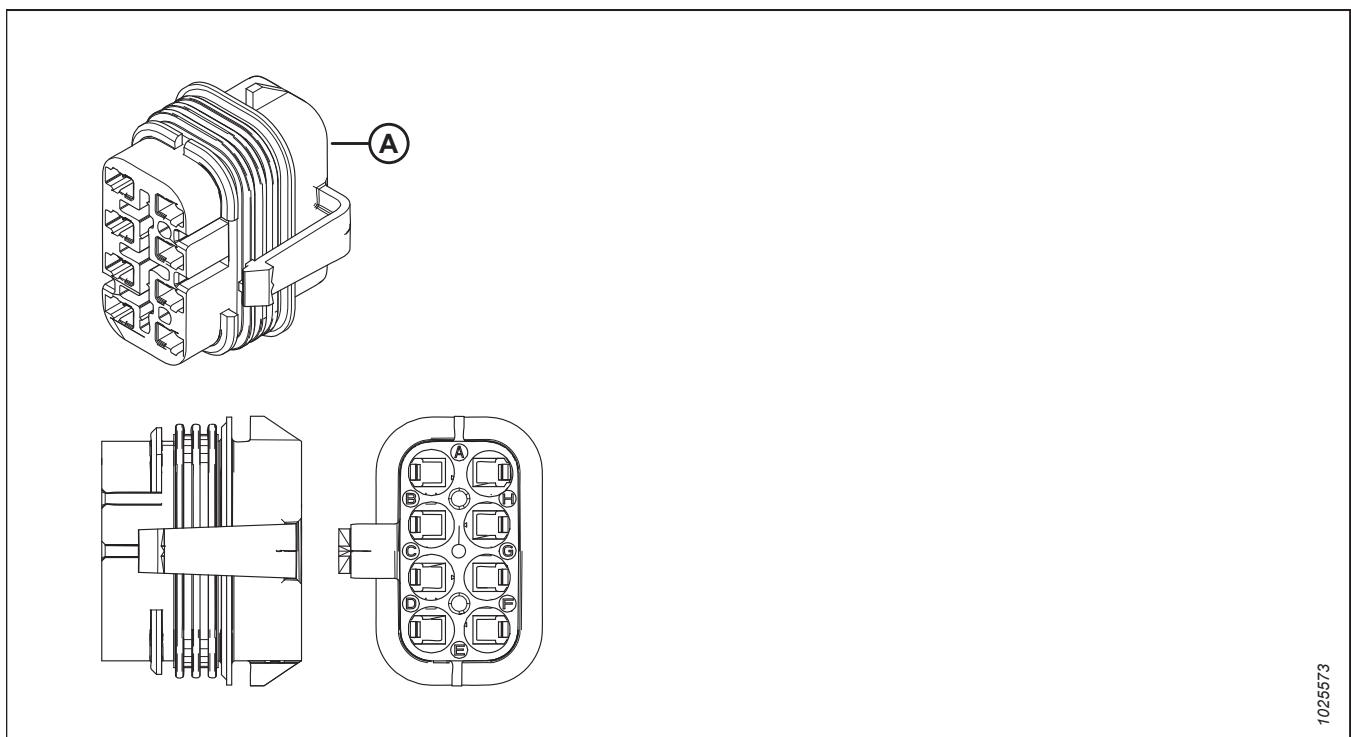
9.8



	MacDon Part #	Description	Manufacturer	Series	Manufacturer Part #
A		Connector – Plug (GREEN Body)	Cooper Bussmann	32000	32006-C22
		Terminal			12084201, 12077411, 12077412, 12129493, 12077413
		Lock			32006-TP2
		Secondary Lock			
		Seal			12010293, 12015323, 15324981, 12089679, 12015899
		Mating Connector			
		Extraction Tool			
		Crimp Tool			
		Cavity Plug			
		Boots/Caps			

EIGHT-POSITION CONNECTORS

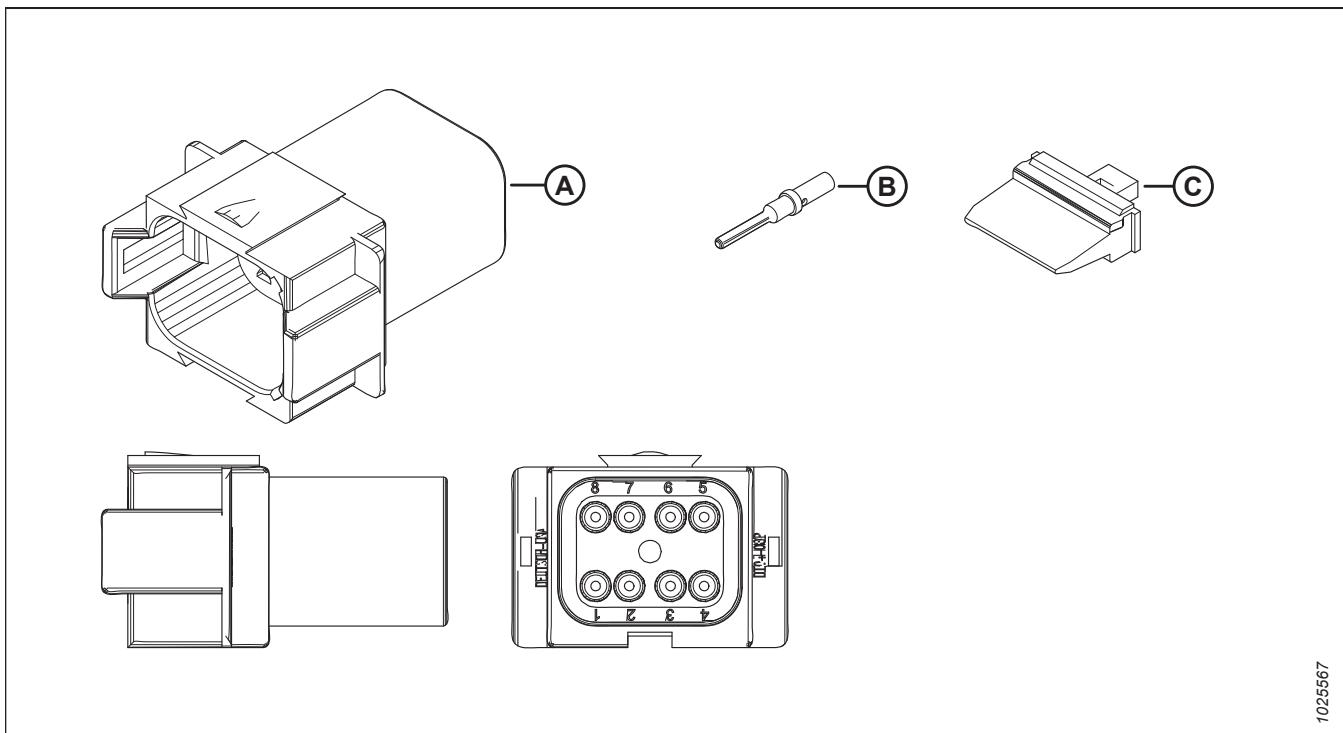
9.9



	MacDon Part #	Description	Manufacturer	Series	Manufacturer Part #
A		Connector – Plug (BLUE Body)	Cooper Bussmann	32000	32006-D22
		Terminal			12084201, 12077411, 12077412, 12129493, 12077413
		Lock			32006-TP2
		Secondary Lock			
		Seal			12010293, 12015323, 15324981, 12089679, 12015899
		Mating Connector			
		Extraction Tool			
		Crimp Tool			
		Cavity Plug			
		Boots/Caps			

EIGHT-POSITION CONNECTORS

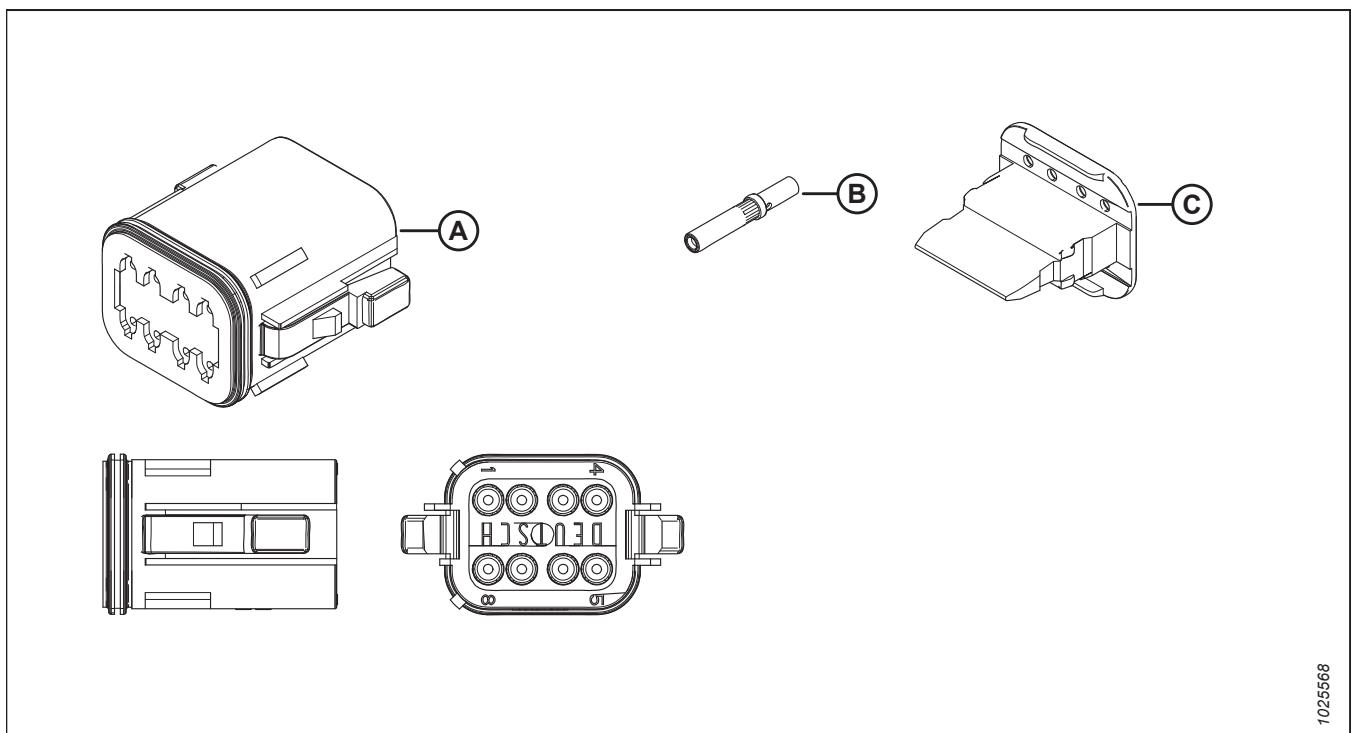
9.10



	MacDon Part #	Description	Manufacturer	Series	Manufacturer Part #
A		Connector – Receptacle	Deutsch	DT	DT04-08PB
B	134023	Terminal – Pin		Size 16	0460-202-16141 (nickel), 0460-202-1631 (gold)
C		Lock			W8P
		Secondary Lock			
		Seal			
		Mating Connector		DT06-08SB	
		Extraction Tool			
		Crimp Tool			
		Cavity Plug			
		Boots/Caps		DT8P-BT, 1011-027-0805, 1011-245-0805, 1027-001-0800	

EIGHT-POSITION CONNECTORS

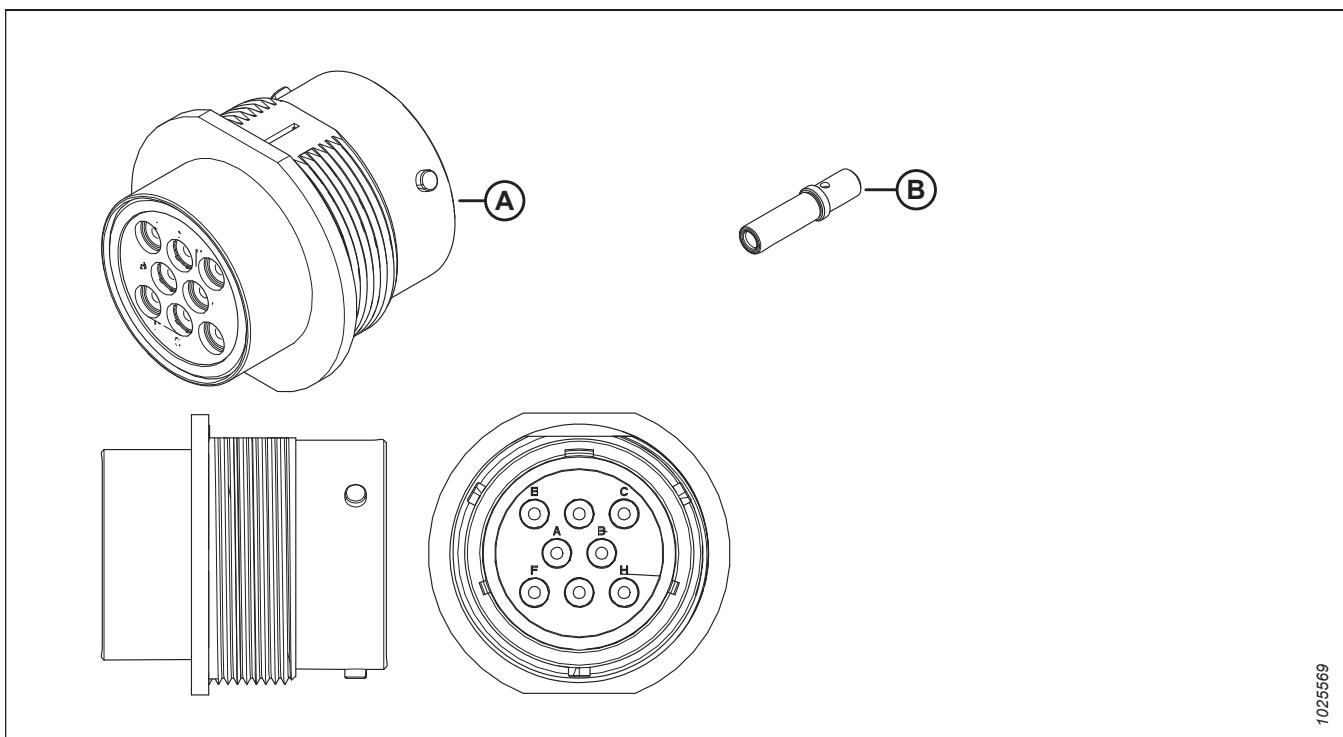
9.11



	MacDon Part #	Description	Manufacturer	Series	Manufacturer Part #
A		Connector – Plug	Deutsch		DT06-08SB-P01
B	134026	Terminal – Socket		Size 16	0462-201-16141 (nickel), 0462-201-1631 (gold)
C		Lock		W	W8S-P012
		Secondary Lock			
		Seal			
		Mating Connector			DT04-08PB
		Extraction Tool			
		Crimp Tool			
		Cavity Plug			
		Boots/Caps			DT8P-BT, 1011-027-0805, 1011-245-0805, 1027-001-0800

EIGHT-POSITION CONNECTORS

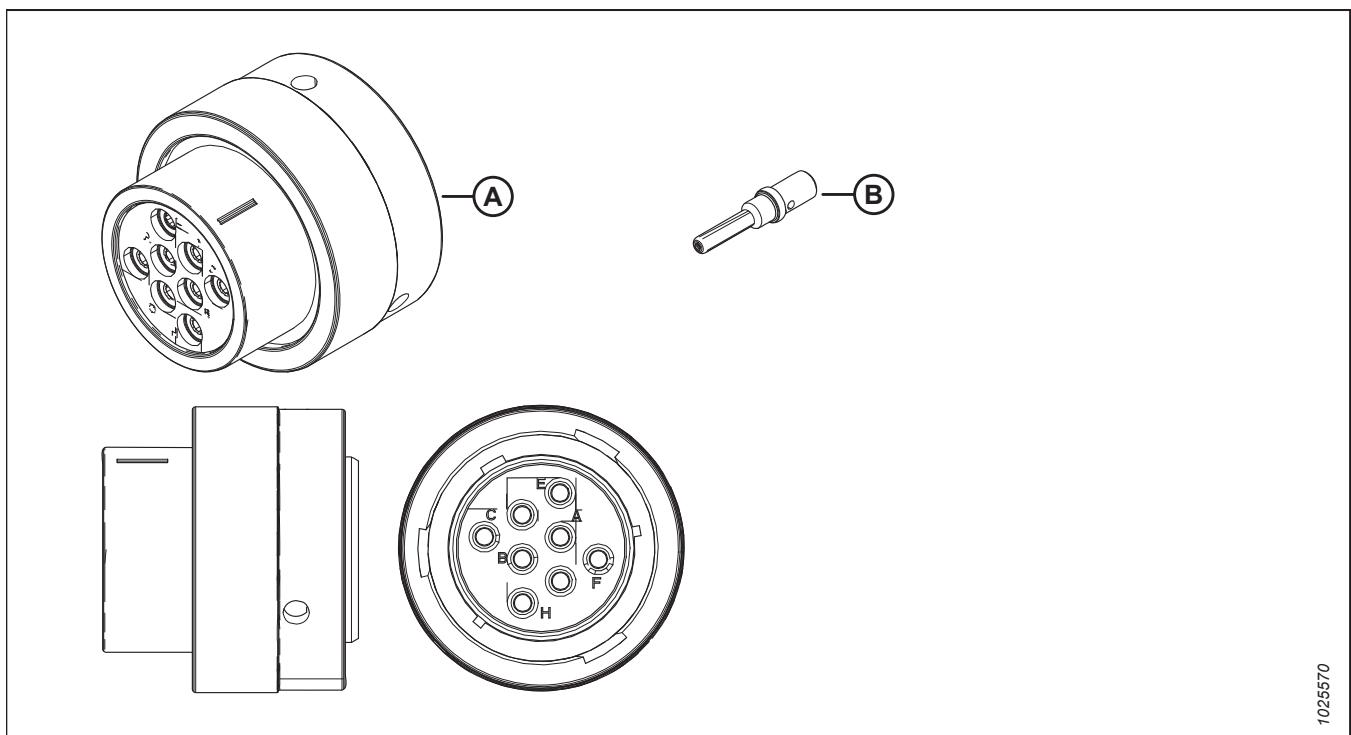
9.12



	MacDon Part #	Description	Manufacturer	Series	Manufacturer Part #
A		Connector – Receptacle	Deutsch	HD30	HD34-18-8SE
B	134027	Terminal – Socket		Size 12	0462-203-12141 (nickel), 0462-210-1231 (gold)
		Lock			
		Secondary Lock			
		Seal			
		Mating Connector		HD36-18-8PE	
		Extraction Tool			
		Crimp Tool			
		Cavity Plug			
		Boots/Caps		HD30-18BT, 114020-90, 114021	

EIGHT-POSITION CONNECTORS

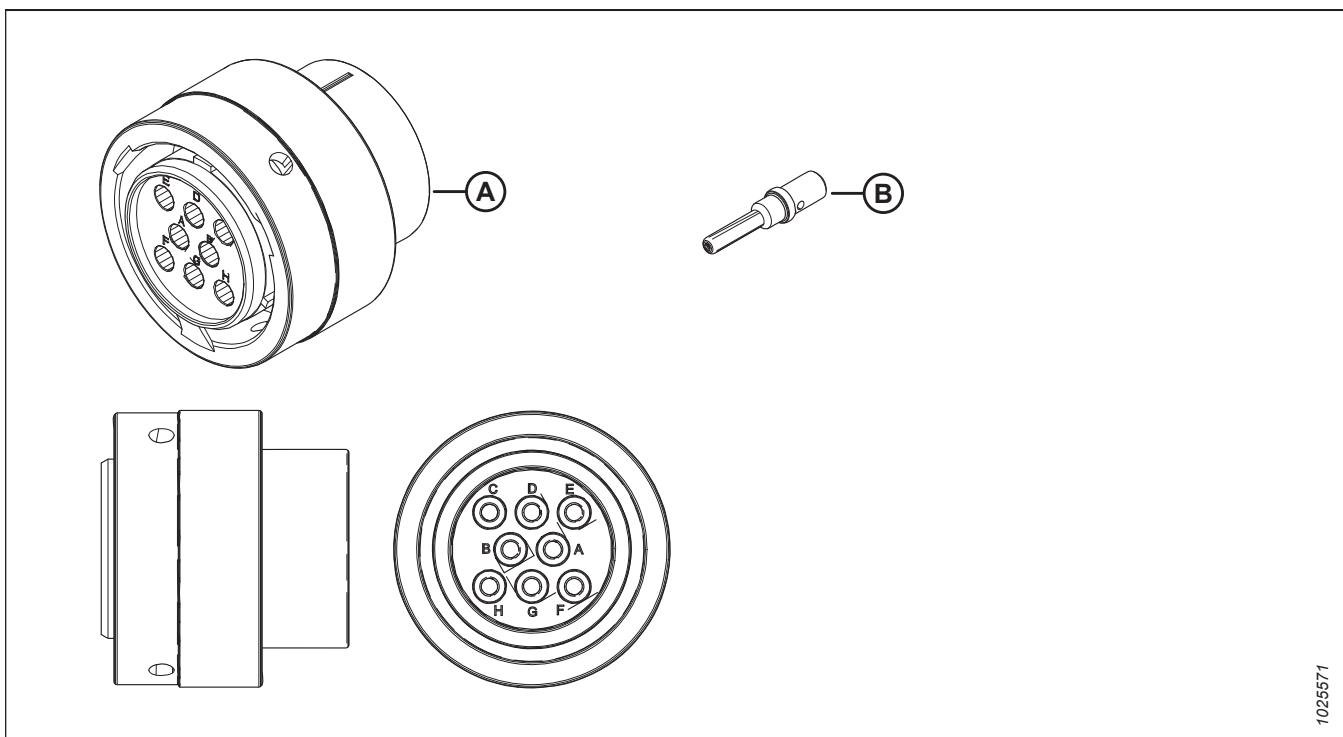
9.13



	MacDon Part #	Description	Manufacturer	Series	Manufacturer Part #
A		Connector – Plug	Deutsch	HDP20	HDP26-18-8PN
B	134024	Terminal – Pin		Size 12	0460-204-12141 (nickel), 0460-220-1231 (gold)
		Lock			
		Secondary Lock			
		Seal			
		Mating Connector			HDP24-18-8SN
		Extraction Tool			114010
		Crimp Tool			
		Cavity Plug			
		Boots/Caps			HD30-18BT-90-BK, HD30-18BT-BK

EIGHT-POSITION CONNECTORS

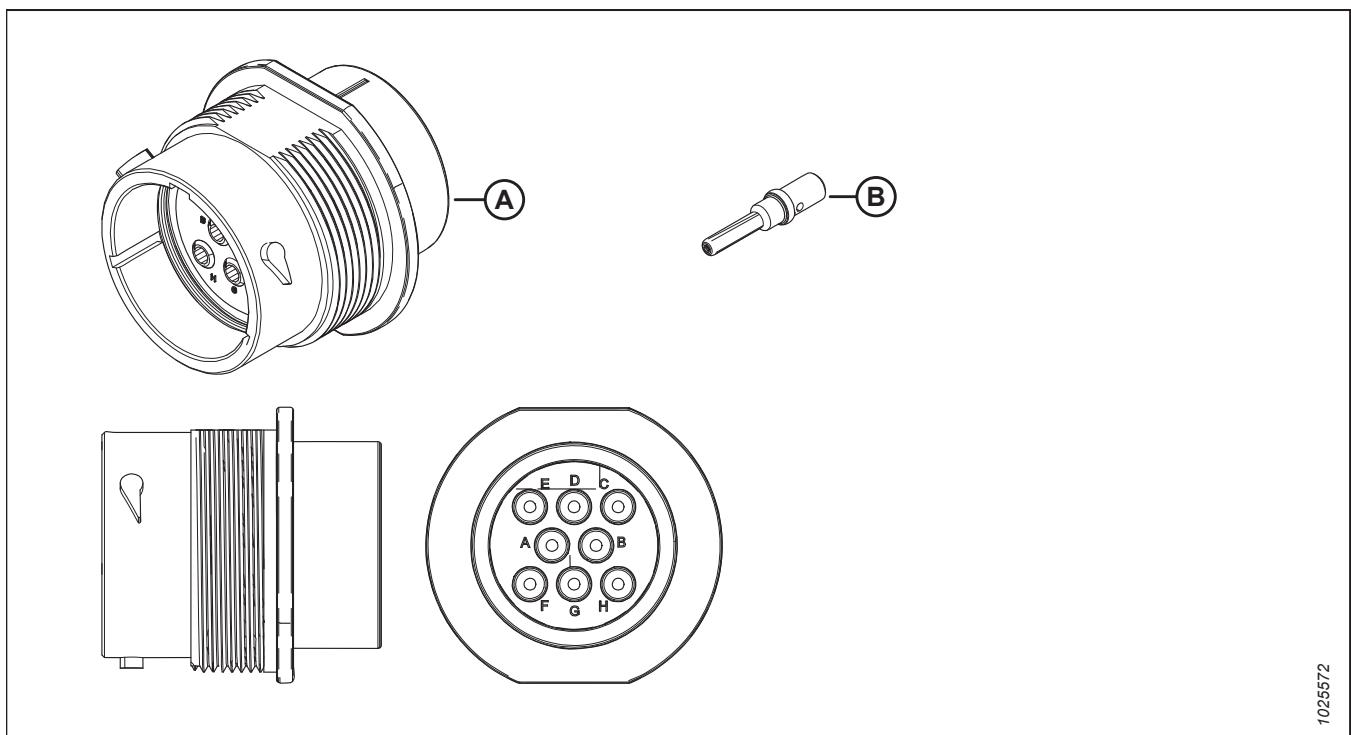
9.14



	MacDon Part #	Description	Manufacturer	Series	Manufacturer Part #
A		Connector – Plug	Deutsch	HDP20	HDP26-18-8SN
B	134024	Terminal – Pin		Size 12	0460-204-12141 (nickel), 0460-220-1231 (gold)
		Lock			
		Secondary Lock			
		Seal			
		Mating Connector		HDP24-18-8PN	
		Extraction Tool		114010	
		Crimp Tool			
		Cavity Plug		114017	
		Boots/Caps		HD30-18BT-90-BK, HD30-18BT-BK	

EIGHT-POSITION CONNECTORS

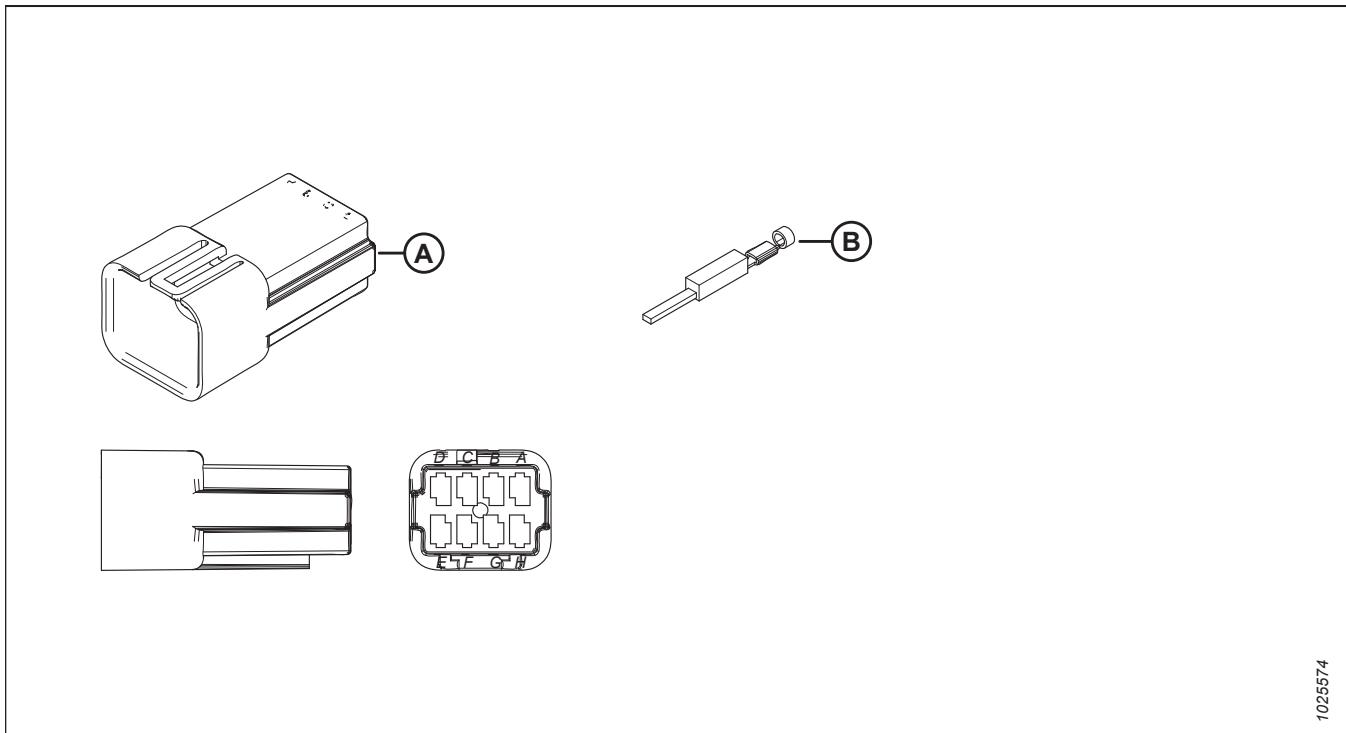
9.15



	MacDon Part #	Description	Manufacturer	Series	Manufacturer Part #
A		Connector – Receptacle	Deutsch	HDP20	HDP24-18-8PN
B	134024	Terminal – Pin		Size 12	0460-204-12141 (nickel), 0460-220-1231 (gold)
		Lock			
		Secondary Lock			
		Seal			
		Mating Connector			HDP26-18-8SN
		Extraction Tool			114010
		Crimp Tool			
		Cavity Plug			114017
		Boots/Caps			HD30-18BT-BK, 2411-002-1805, 2414-002-1886, HDC26-18

EIGHT-POSITION CONNECTORS

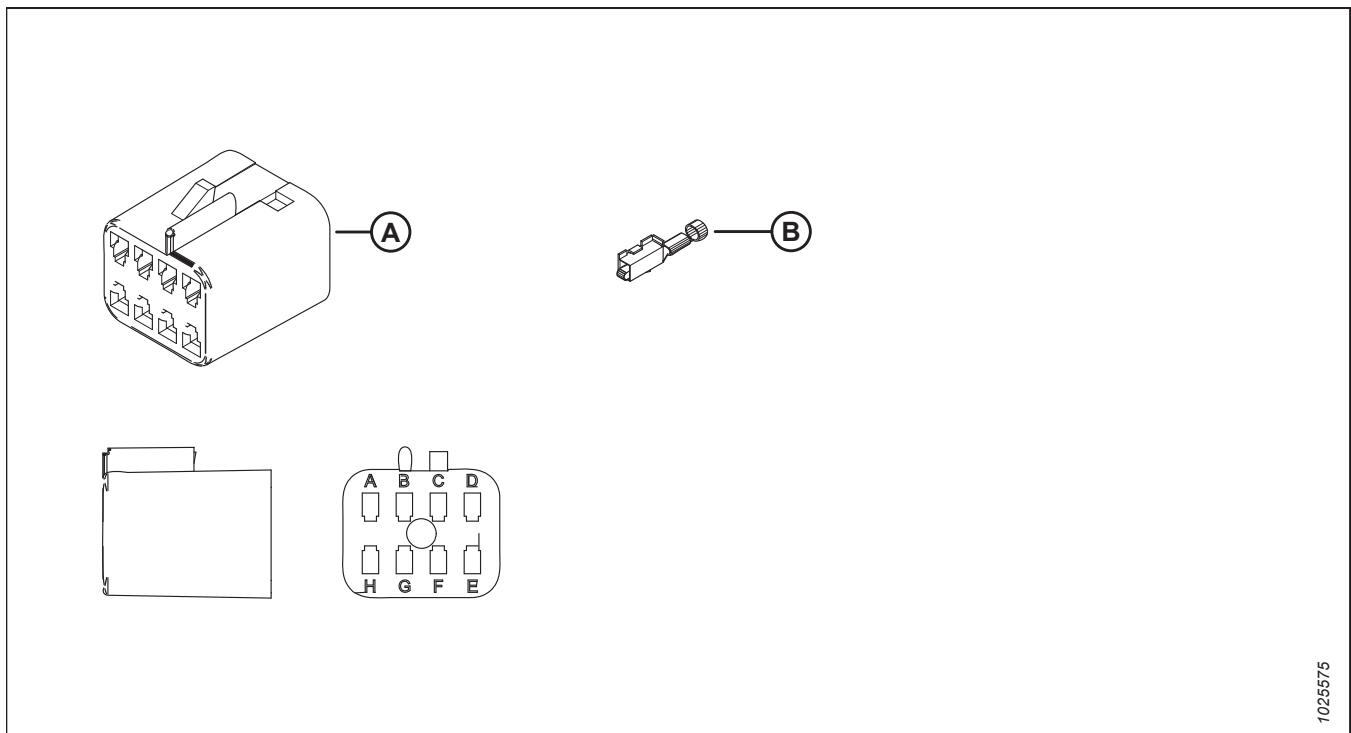
9.16



	MacDon Part #	Description	Manufacturer	Series	Manufacturer Part #
A		Connector – Receptacle	Delphi		12045688
B		Terminal			12047581, 12059894, 12160811, 12110502, 15383048
		Lock			12045690
		Secondary Lock			
		Seal			
		Mating Connector			12065398, 12047886, 12186098
		Extraction Tool			
		Crimp Tool			
		Cavity Plug			
		Boots/Caps			

EIGHT-POSITION CONNECTORS

9.17

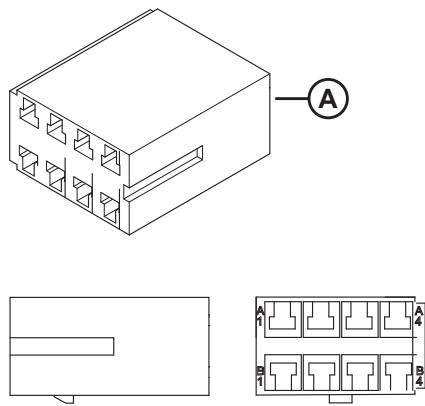


1025575

	MacDon Part #	Description	Manufacturer	Series	Manufacturer Part #
A		Connector – Plug	Delphi		12047886
B		Terminal			12064971, 12047765, 12047767, 12052466, 12160812, 15345048, 15305306, 15317878, 15326030, 15317766, 15317877
		Lock			12045689
		Secondary Lock			
		Seal			
		Mating Connector	12065396, 12045688 , 12084256 , 12089526, 12084537, 12162427		
		Extraction Tool			
		Crimp Tool			
		Cavity Plug			
		Boots/Caps			

EIGHT-POSITION CONNECTORS

9.18

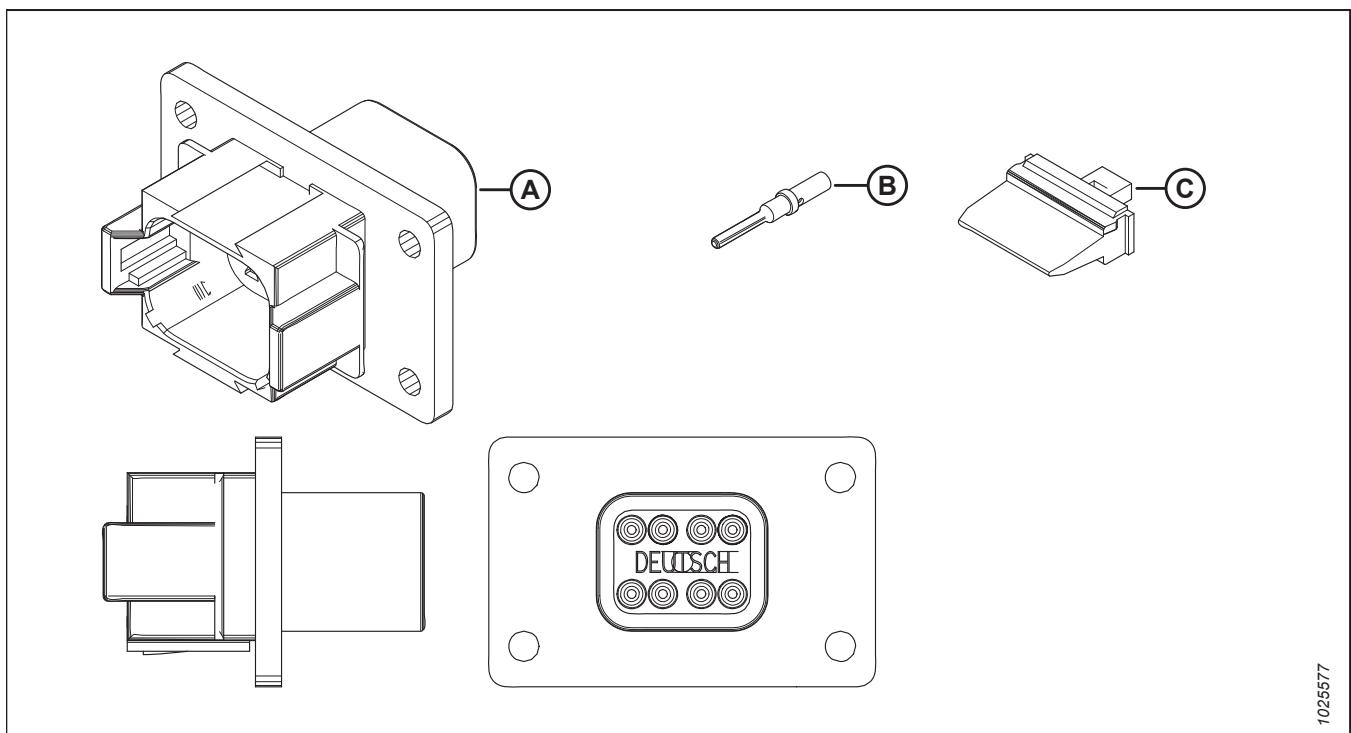


1025576

	MacDon Part #	Description	Manufacturer	Series	Manufacturer Part #
A		Connector – Plug	Rosco		W-RT8-200
		Terminal			
		Lock			
		Secondary Lock			
		Seal			
		Mating Connector			
		Extraction Tool			
		Crimp Tool			
		Cavity Plug			
		Boots/Caps			

EIGHT-POSITION CONNECTORS

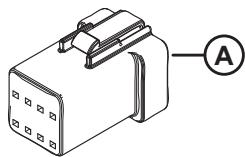
9.19



	MacDon Part #	Description	Manufacturer	Series	Manufacturer Part #
A		Connector – Receptacle	Deutsch	DT	DT04-08PA-L012
B	134023	Terminal – Pin		Size 16	0460-202-16141 (nickel), 0460-202-1631 (gold)
C		Lock			W8P
		Secondary Lock			
		Seal			
		Mating Connector		DT06-08SA	
		Extraction Tool		DT-RT1	
		Crimp Tool			
		Cavity Plug			
		Boots/Caps		DT8P-BT, DT8P-L012-GKT	

EIGHT-POSITION CONNECTORS

9.20

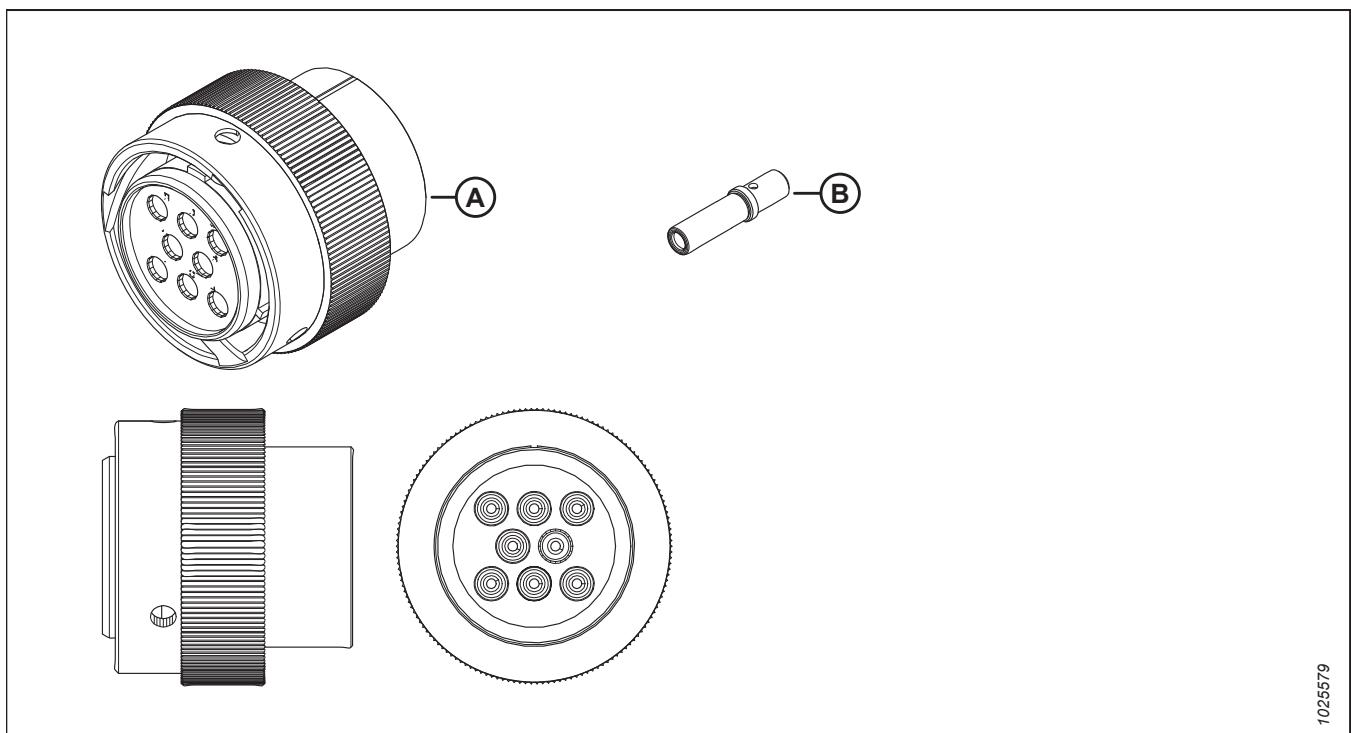


1025578

	MacDon Part #	Description	Manufacturer	Series	Manufacturer Part #
A		Connector – Plug	JST	JWPF	08R-JWPF-VSLE-D
		Terminal			
		Lock			
		Secondary Lock			
		Seal			
		Mating Connector			
		Extraction Tool			
		Crimp Tool			
		Cavity Plug			
		Boots/Caps			

EIGHT-POSITION CONNECTORS

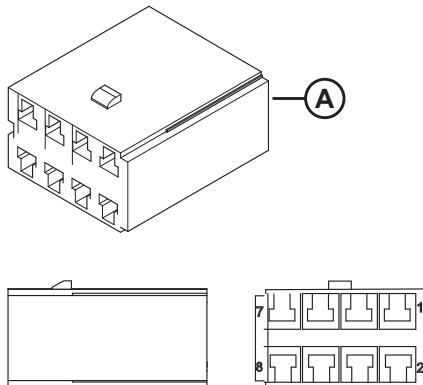
9.21



	MacDon Part #	Description	Manufacturer	Series	Manufacturer Part #
A		Connector – Plug	Deutsch	HD30	HD36-18-8SE
B	134027	Terminal – Socket		Size 12	0462-203-12141 (nickel), 0462-210-1231 (gold)
		Lock			
		Secondary Lock			
		Seal			
		Mating Connector			
		Extraction Tool			
		Crimp Tool			
		Cavity Plug			
		Boots/Caps			

EIGHT-POSITION CONNECTORS

9.22

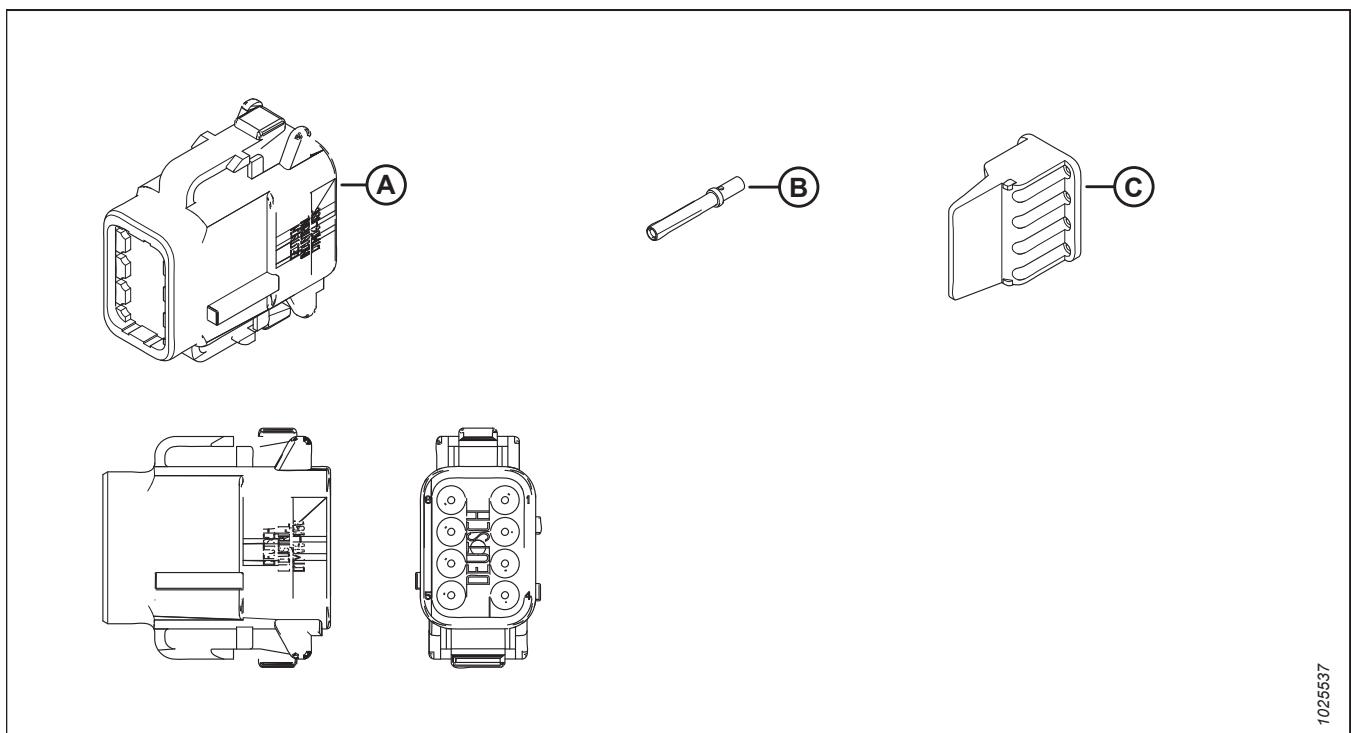


1025580

	MacDon Part #	Description	Manufacturer	Series	Manufacturer Part #
A		Connector	Rosco		CON4001
		Terminal			
		Lock			
		Secondary Lock			
		Seal			
		Mating Connector			
		Extraction Tool			
		Crimp Tool			
		Cavity Plug			
		Boots/Caps			

EIGHT-POSITION CONNECTORS

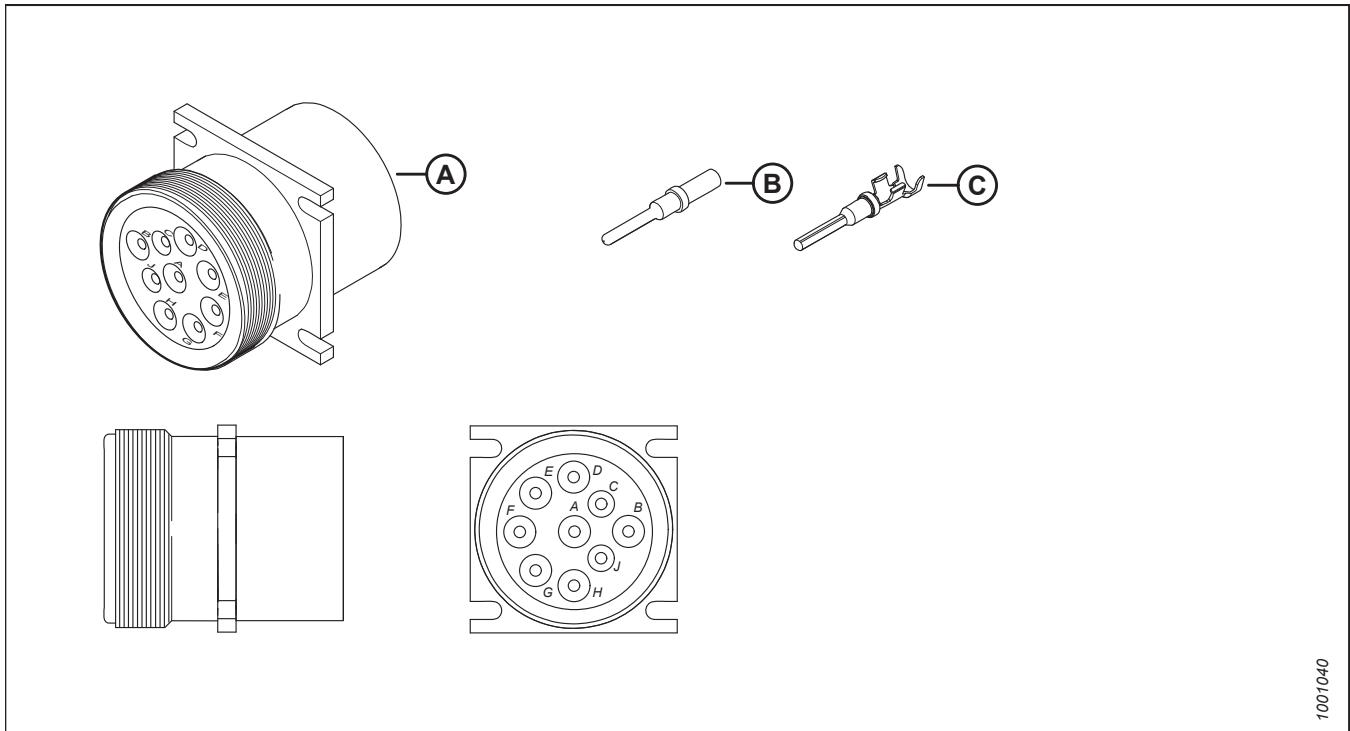
9.23



	MacDon Part #	Description	Manufacturer	Series	Manufacturer Part #
A		Connector – Plug	Deutsch	DTM	DTM06-08SA-EE04
B	134017	Terminal – Socket		Size 20	0462-201-20141 (nickel), 0462-201-2031 (gold)
C		Lock		WM	WM-8S
		Secondary Lock			
		Seal			
		Mating Connector		DTM04-08PA-EE04	
		Extraction Tool			
		Crimp Tool			
		Cavity Plug			
		Boots/Caps			

Chapter 10: Nine-Position Connectors

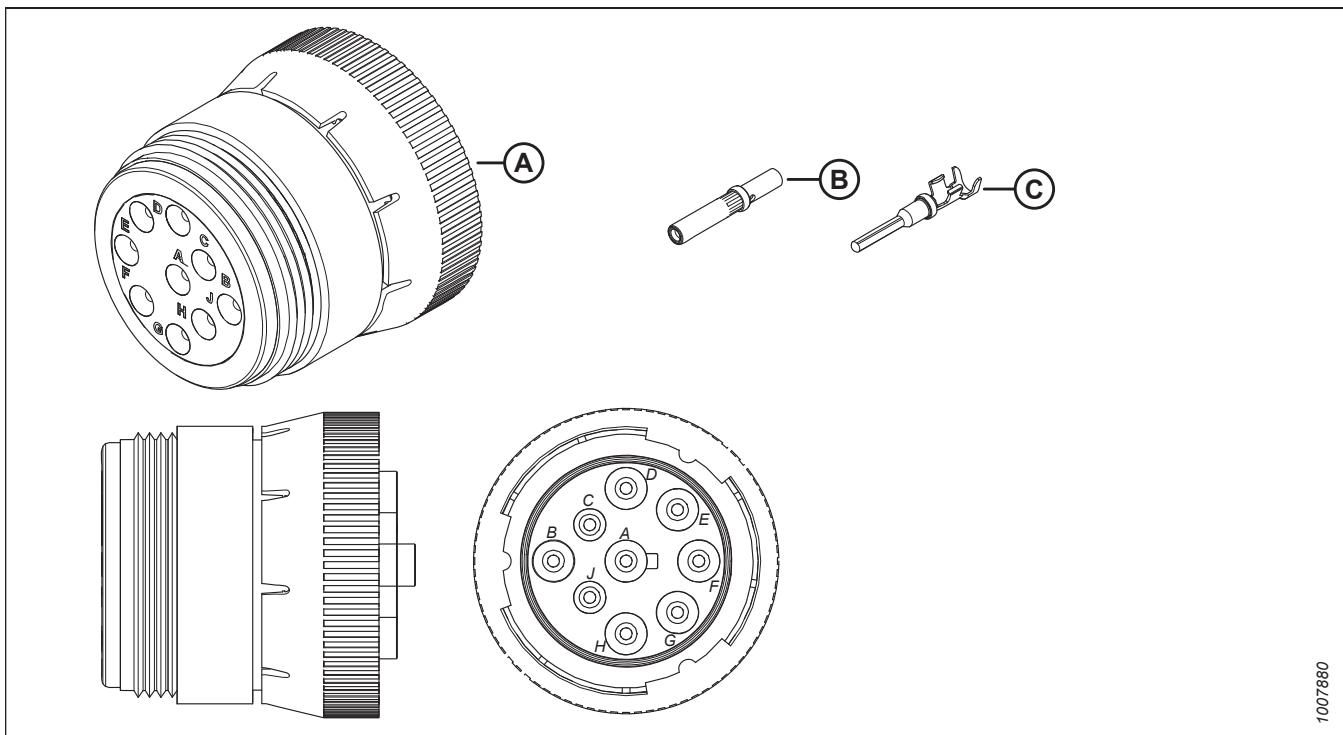
10.1



	MacDon Part #	Description	Manufacturer	Series	Manufacturer Part #
A		Connector – Receptacle (14–20 ga)	Deutsch	HD10	HD10-9-1939P
B	134023	Terminal – Pin	Deutsch	Size 16	0460-202-16141 (nickel), 0460-202-1631 (gold)
C	134105	Terminal – Pin (Stamped)	Deutsch	Size 16	1060-16-0122
	134044	Mating Connector	HD16-9-1939S		
		Extraction Tool	DT-RT1, 411-336-1605, 112271		
		Crimp Tool	HDT-48-00		

NINE-POSITION CONNECTORS

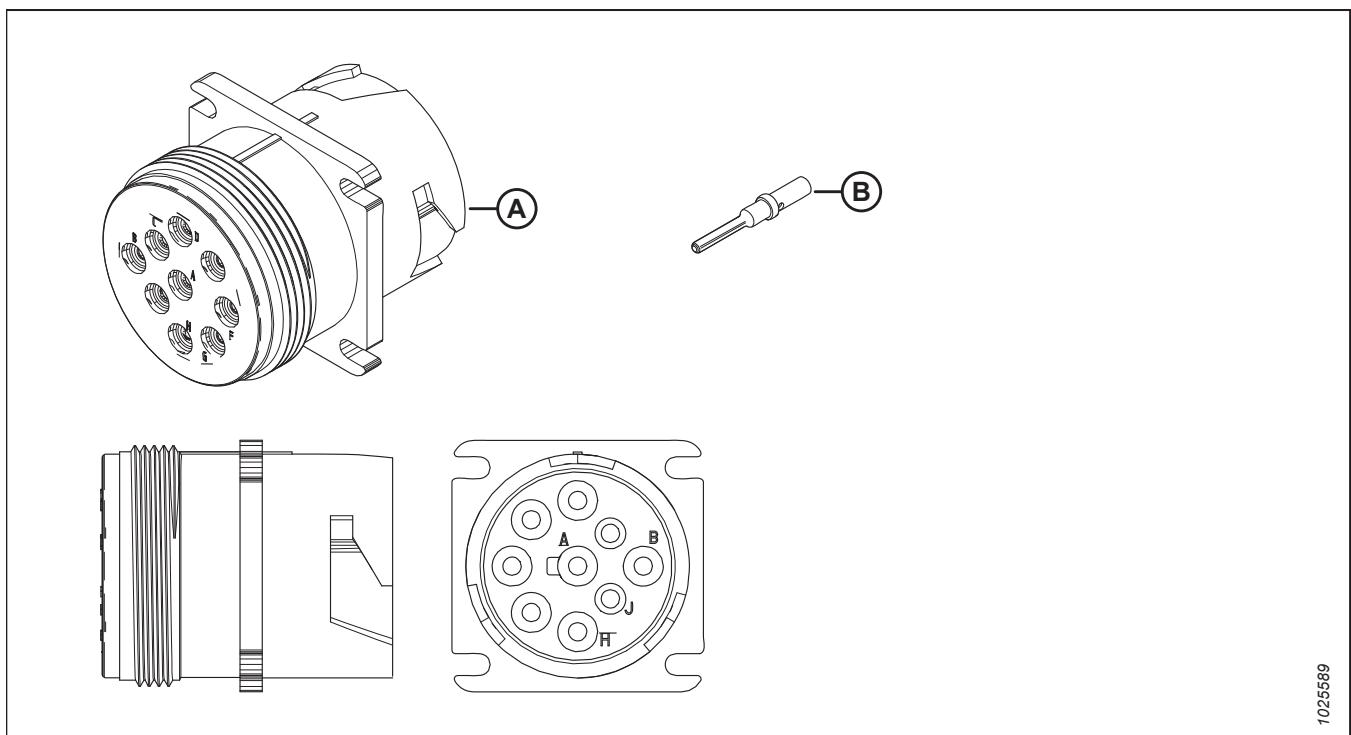
10.2



	MacDon Part #	Description	Manufacturer	Series	Manufacturer Part #
A	134044	Connector – Plug	Deutsch	HD16	HD16-9-1939S
B	134026	Terminal – Socket		Size 16	0462-201-16141 (nickel), 0462-201-1631 (gold)
C	134105	Terminal – Socket (Stamped)			1062-16-0122
		Mating Connector	HD10-9-1939P		
		Extraction Tool	DT-RT1, 411-336-1605, 112271		
		Crimp Tool	HDT-48-00		

NINE-POSITION CONNECTORS

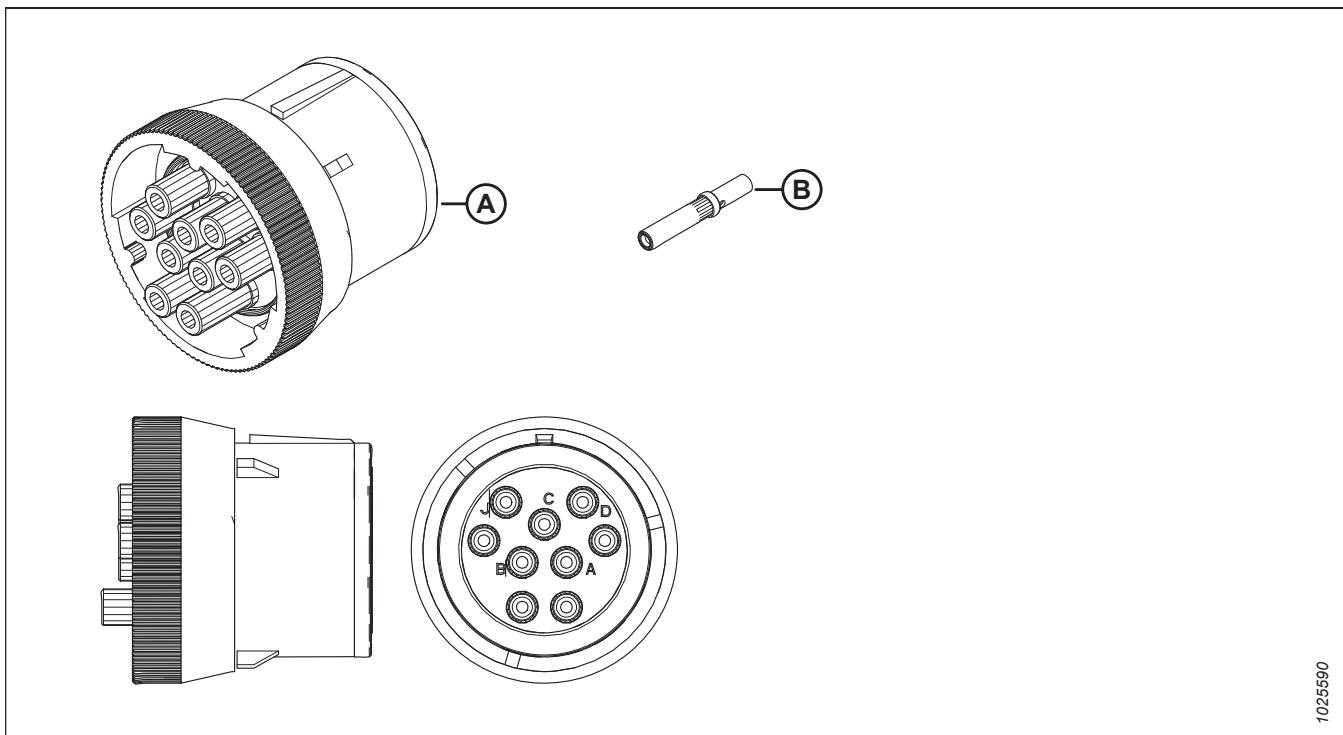
10.3



	MacDon Part #	Description	Manufacturer	Series	Manufacturer Part #
A		Connector – Receptacle	Deutsch	HD10	HD10-9-1939P
B	134023	Terminal – Pin		Size 16	0460-202-16141 (nickel), 0460-202-1631 (gold)
		Lock			
		Secondary Lock			
		Seal			
		Mating Connector			
		Extraction Tool			
		Crimp Tool			
		Cavity Plug			
		Boots/Caps			

NINE-POSITION CONNECTORS

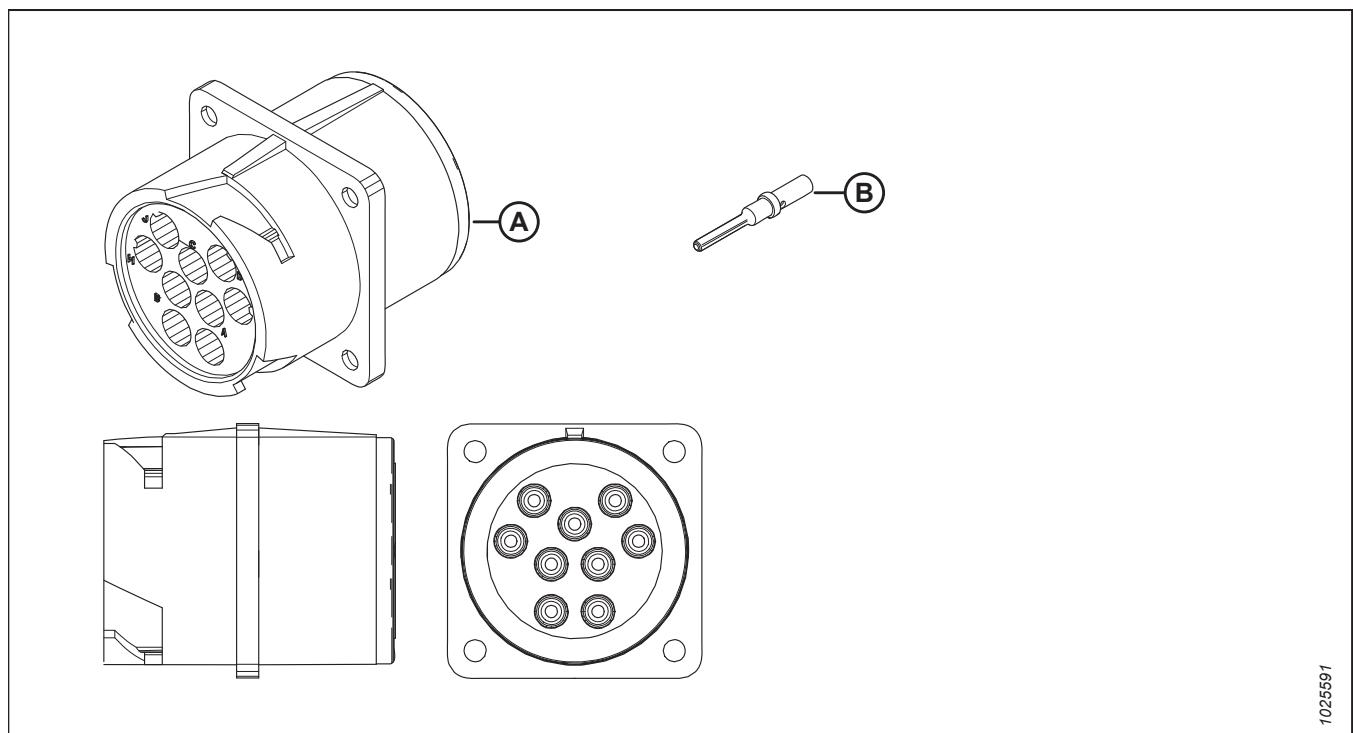
10.4



	MacDon Part #	Description	Manufacturer	Series	Manufacturer Part #
A		Connector – Plug	Deutsch	HD10	HD16-9-16S
B	134026	Terminal – Socket		Size 16	0462-201-16141 (nickel), 0462-201-1631 (gold)
		Lock			
		Secondary Lock			
		Seal			
		Mating Connector		HD10-9-16P, HD14-9-16P	
		Extraction Tool			
		Crimp Tool			
		Cavity Plug			
		Boots/Caps			

NINE-POSITION CONNECTORS

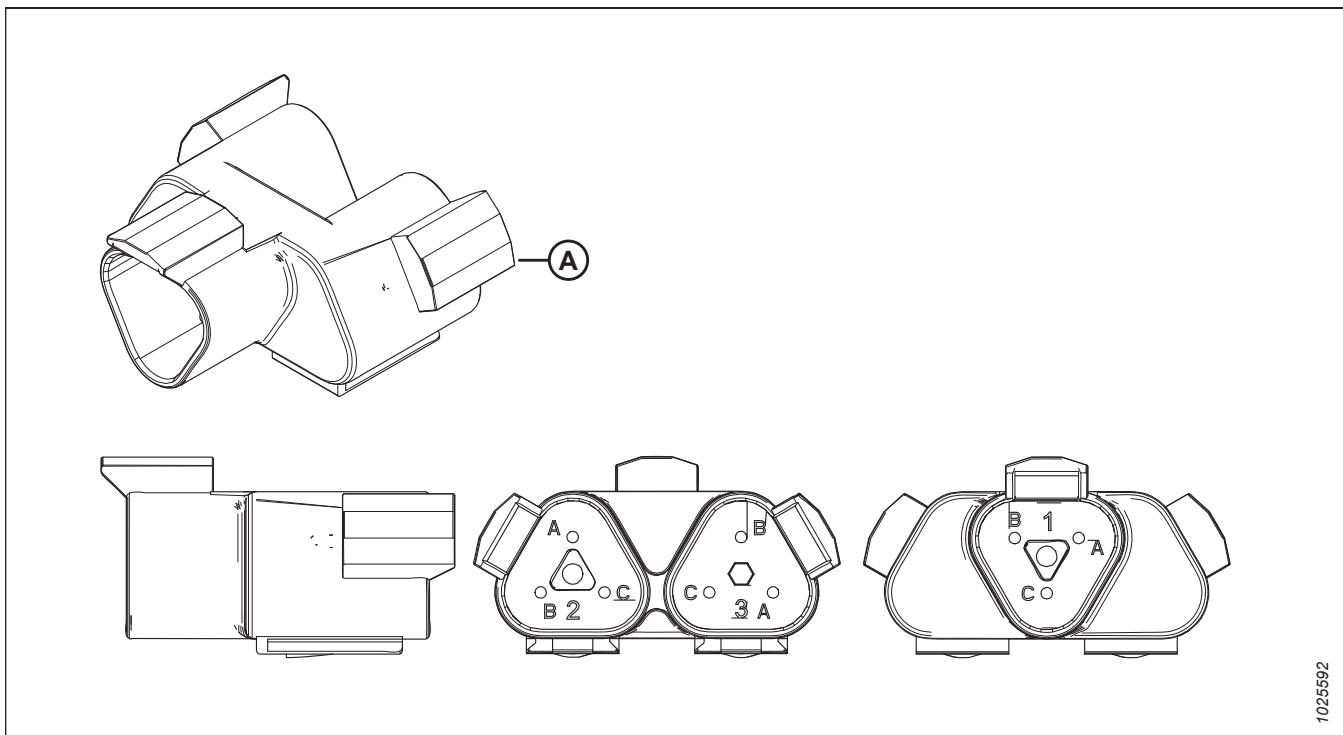
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	MacDon Part #	Description	Manufacturer	Series	Manufacturer Part #
A		Connector – Receptacle	Deutsch	HD10	HD10-9-16P
B	134023	Terminal – Pin		Size 16	0460-202-16141 (nickel), 0460-202-1631 (gold)
		Lock			
		Secondary Lock			
		Seal			
		Mating Connector		HD16-9-16S	
		Extraction Tool			
		Crimp Tool			
		Cavity Plug			
		Boots/Caps			

NINE-POSITION CONNECTORS

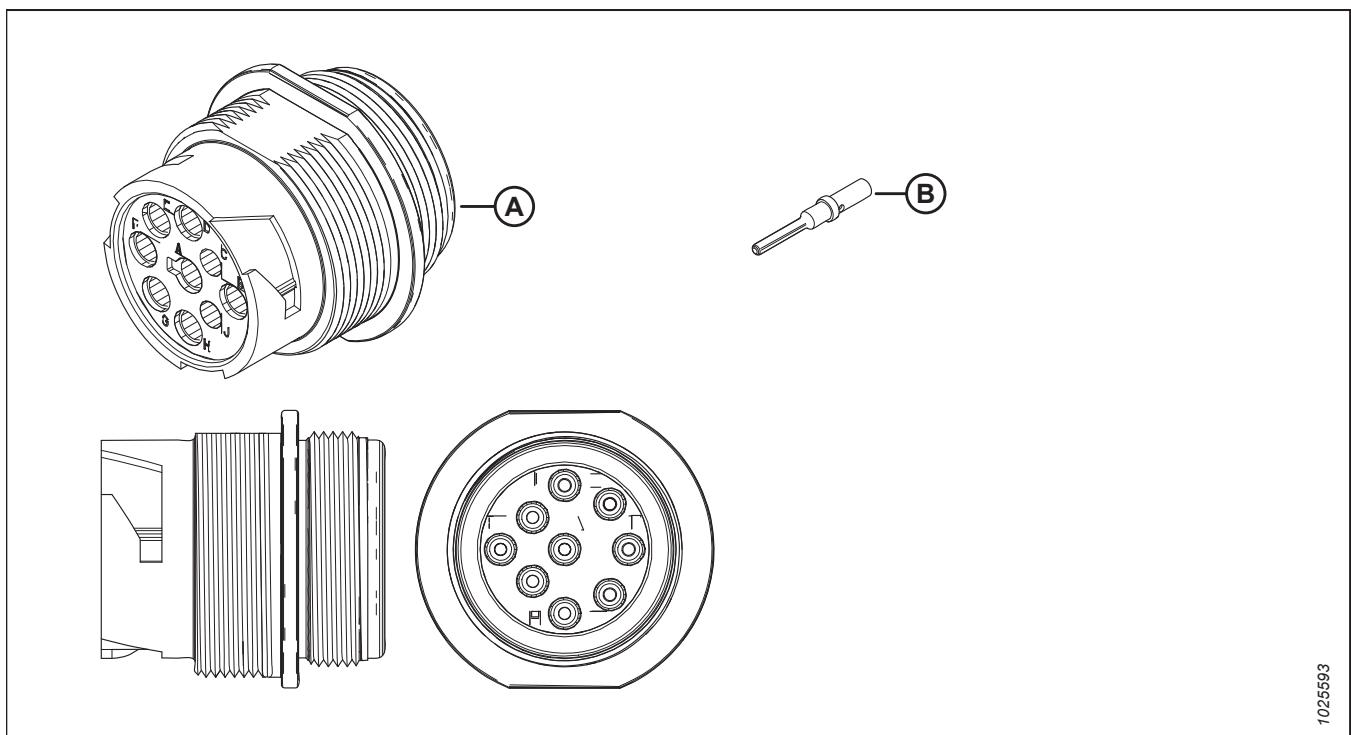
10.6



	MacDon Part #	Description	Manufacturer	Series	Manufacturer Part #
A		Connector – Receptacle	Deutsch		DT04-3P-P007
		Terminal			
		Lock			
		Secondary Lock			
		Seal			
		Mating Connector		DT06-3S	
		Extraction Tool			
		Crimp Tool			
		Cavity Plug			
		Boots/Caps		1011-026-0205, 1027-003-1200, DT3P-DC	

NINE-POSITION CONNECTORS

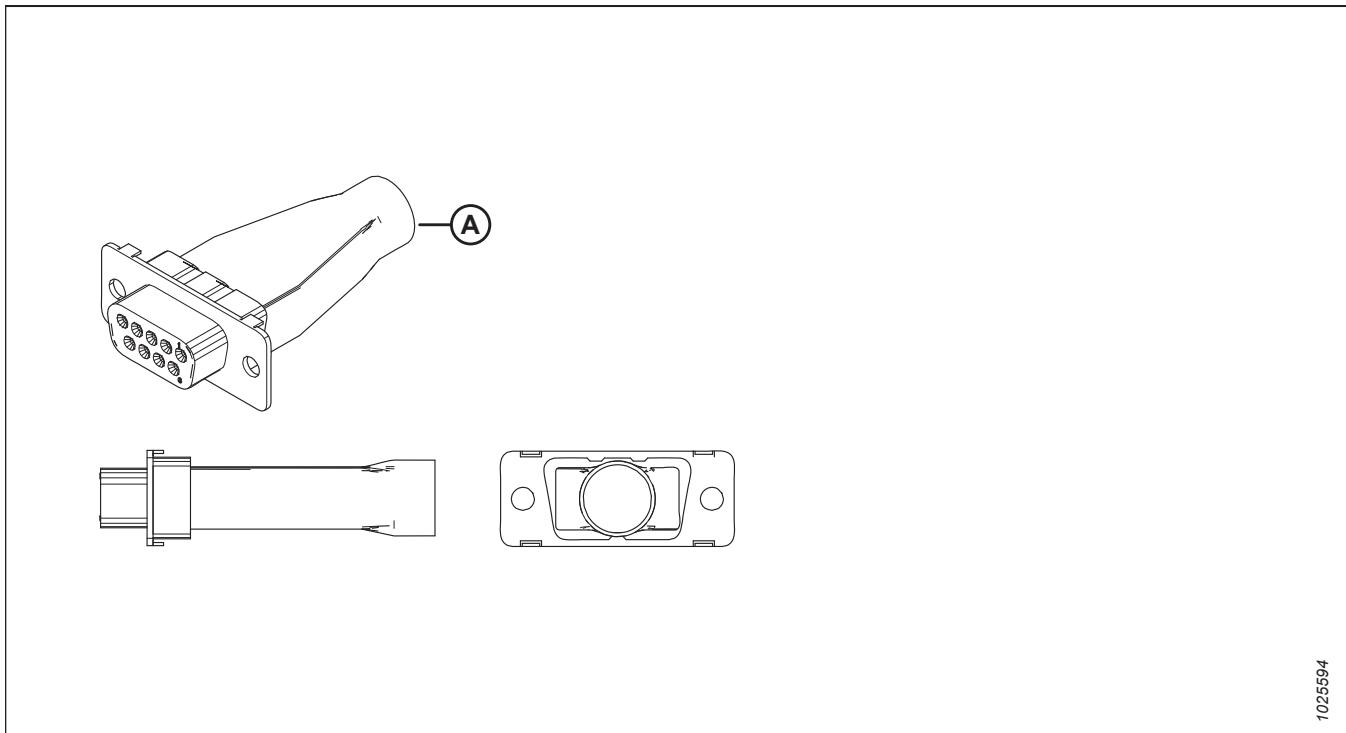
10.7



	MacDon Part #	Description	Manufacturer	Series	Manufacturer Part #
A		Connector – Receptacle	Deutsch	HD10	HD10-9-1939P-B022
B	134023	Terminal – Pin		Size 16	0460-202-16141 (nickel), 0460-202-1631 (gold)
		Lock			
		Secondary Lock			
		Seal			
		Mating Connector			
		Extraction Tool			
		Crimp Tool			
		Cavity Plug			
		Boots/Caps			

NINE-POSITION CONNECTORS

10.8

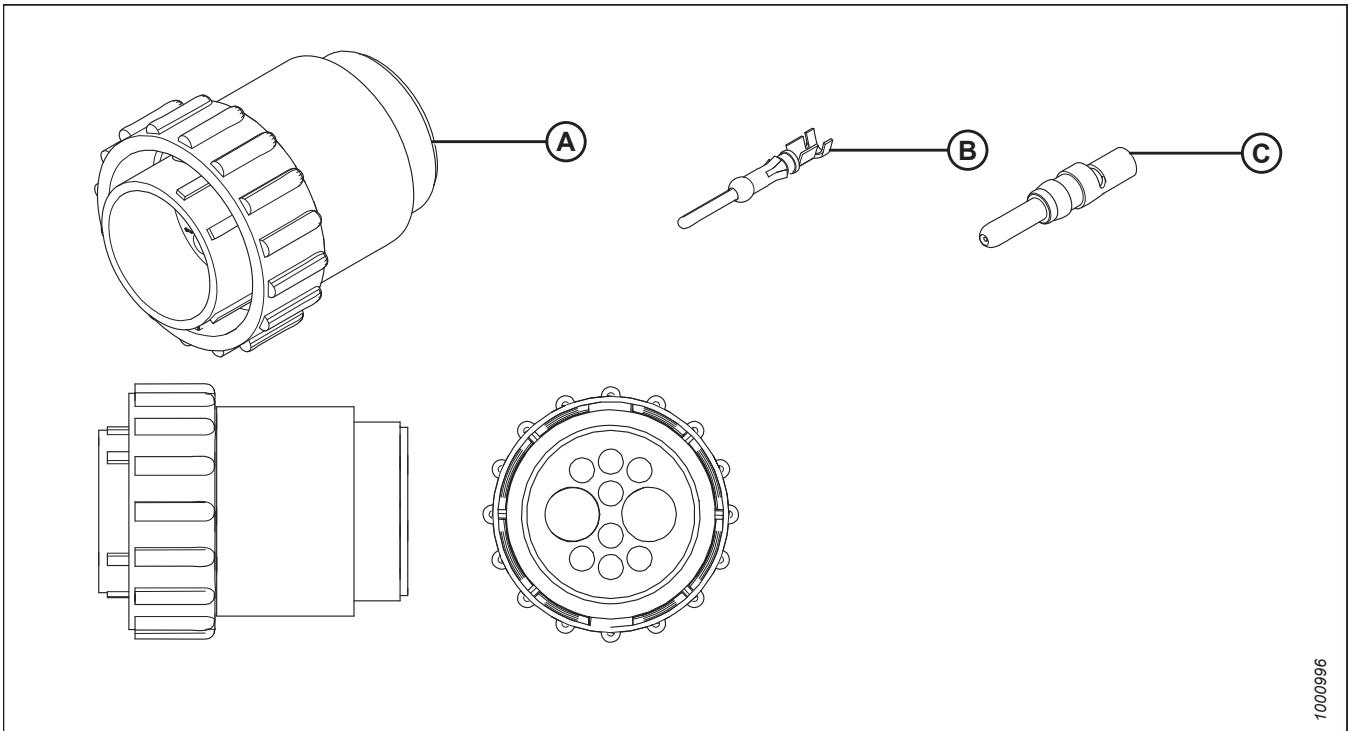


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	MacDon Part #	Description	Manufacturer	Series	Manufacturer Part #
A		Connector – Receptacle	Tyco	Amplimite	1658646-1
		Terminal			
		Lock			
		Secondary Lock			
		Seal			
		Mating Connector			
		Extraction Tool			
		Crimp Tool			
		Cavity Plug			
		Boots/Caps			

Chapter 11: Ten-Position Connectors

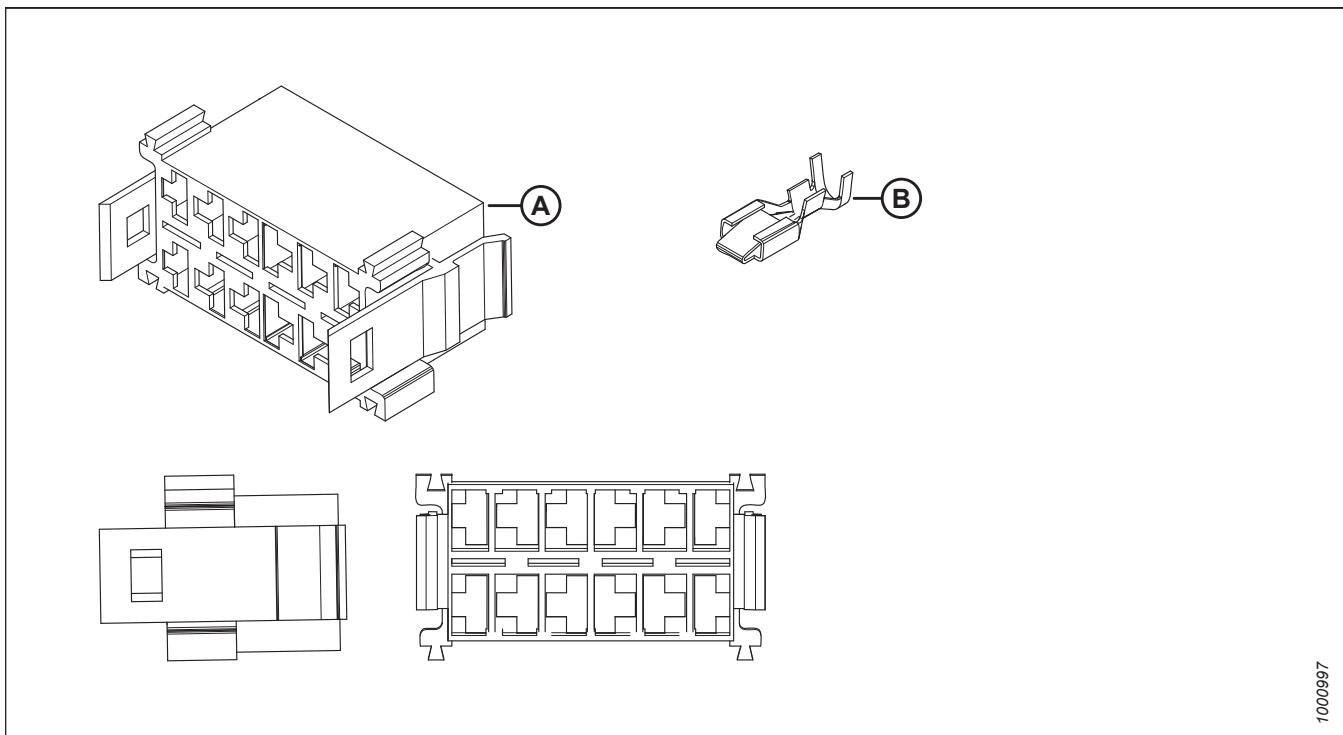
11.1



	MacDon Part #	Description	Manufacturer	Series	Manufacturer Part #	
A		Connector – Plug	Amp	CPC	213906-1	
B	134084	Terminal – Pin (16 ga)	Amp	CPC	1-66099-5	
C	134085	Terminal – Pin	Amp	CPC	213841-3	
		Mating Connector				
		134013	Extraction Tool			
		Cramp Tool	0411-310-605			

TEN-POSITION CONNECTORS

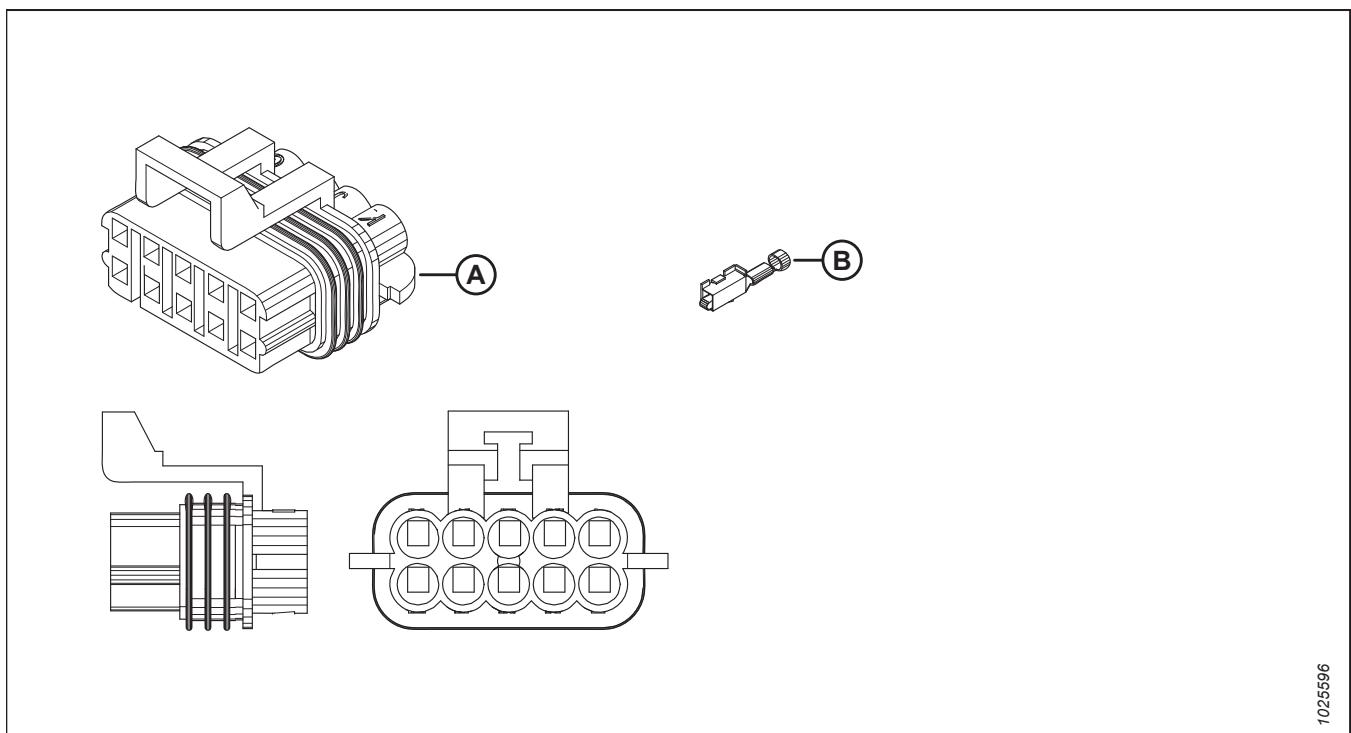
11.2



	MacDon Part #	Description	Manufacturer	Series	Manufacturer Part #
A	134156	Connector – Plug	Eaton Corp		28-5637-2
B	134135	Terminal – Receptacle	Delphi	M/P 630	12015870
		Mating Connector			
	134159	Extraction Tool	NGR Switch		12094430
		Crimp Tool			

TEN-POSITION CONNECTORS

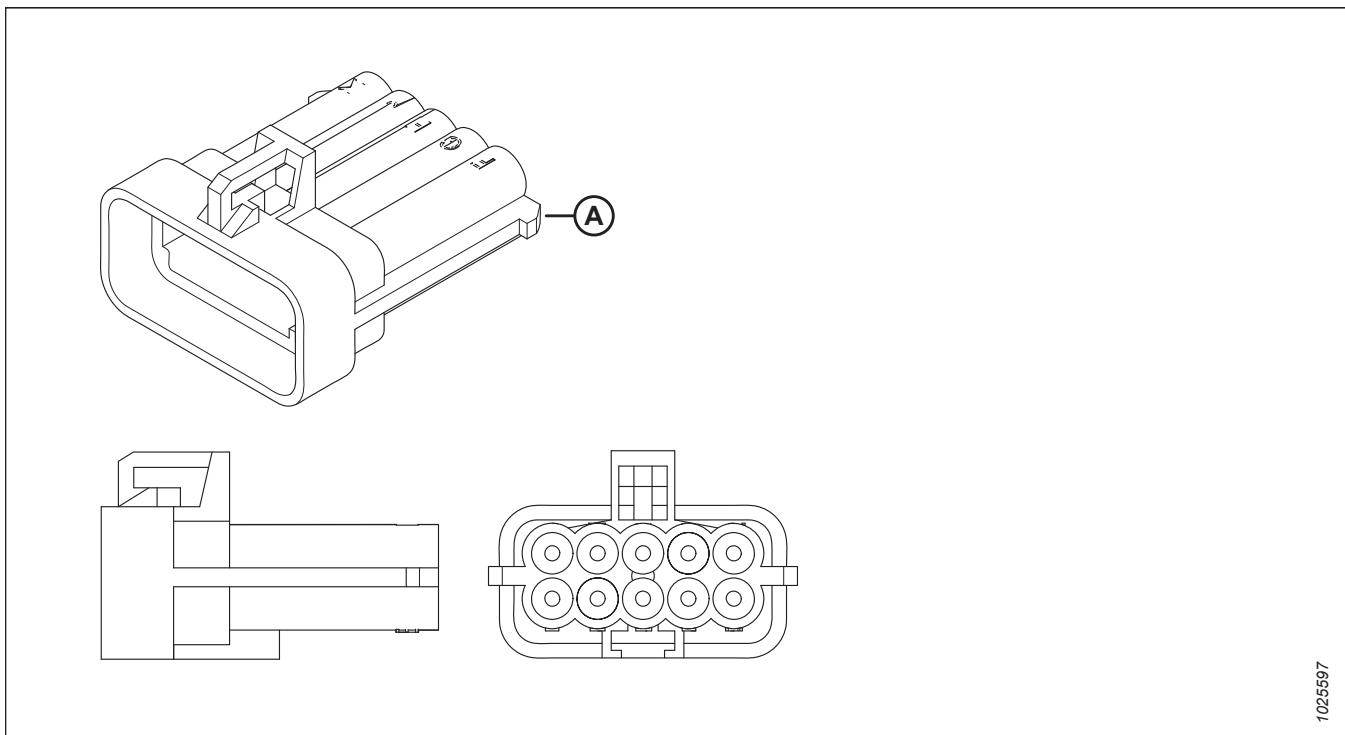
11.3



	MacDon Part #	Description	Manufacturer	Series	Manufacturer Part #
A		Connector – Plug	Delphi		12065425
B		Terminal		MP150	12048074
		Lock			
		Secondary Lock			
		Seal			12048086
		Mating Connector		12045808	
		Extraction Tool			
		Crimp Tool			
		Cavity Plug			
		Boots/Caps			

TEN-POSITION CONNECTORS

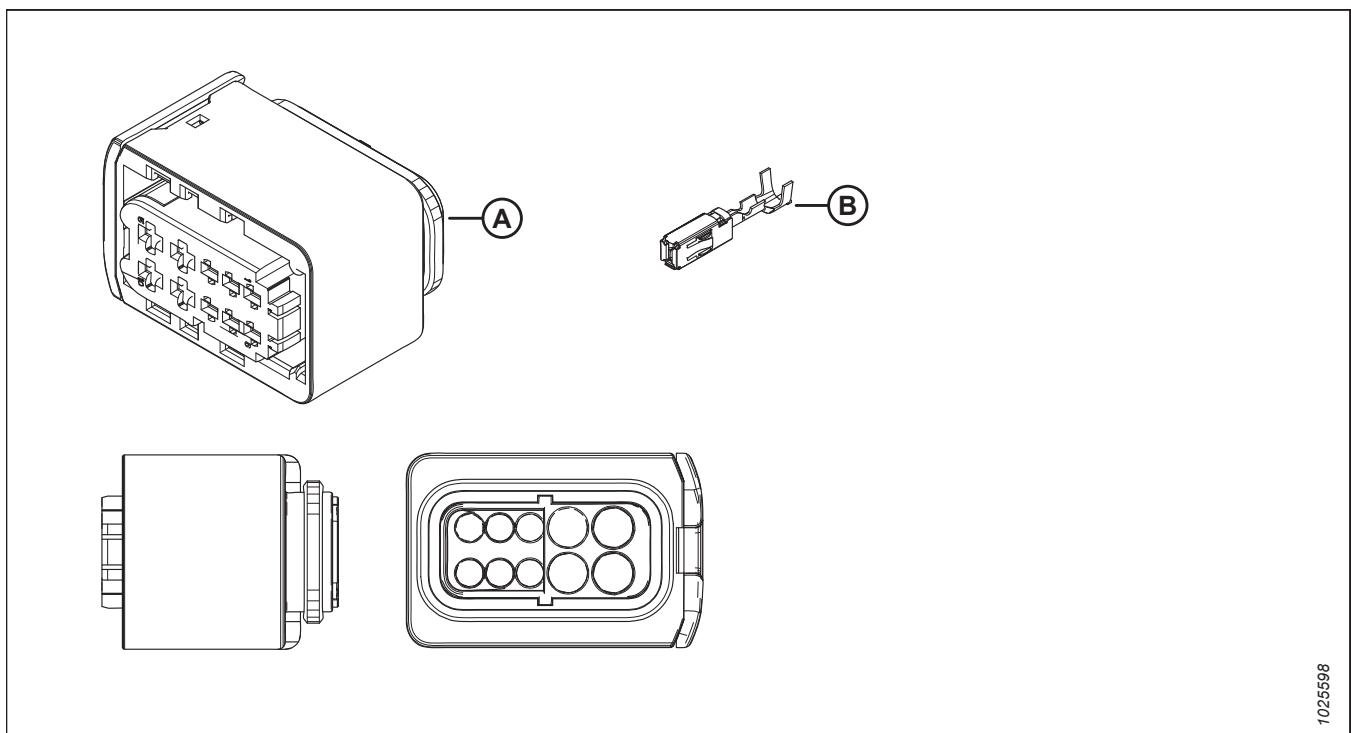
11.4



	MacDon Part #	Description	Manufacturer	Series	Manufacturer Part #
A		Connector – Receptacle	Delphi		12045808
		Terminal			12045773
		Lock			12124264
		Secondary Lock			
		Seal			12048086
		Mating Connector		12065425	
		Extraction Tool			
		Crimp Tool			
		Cavity Plug			
		Boots/Caps			

TEN-POSITION CONNECTORS

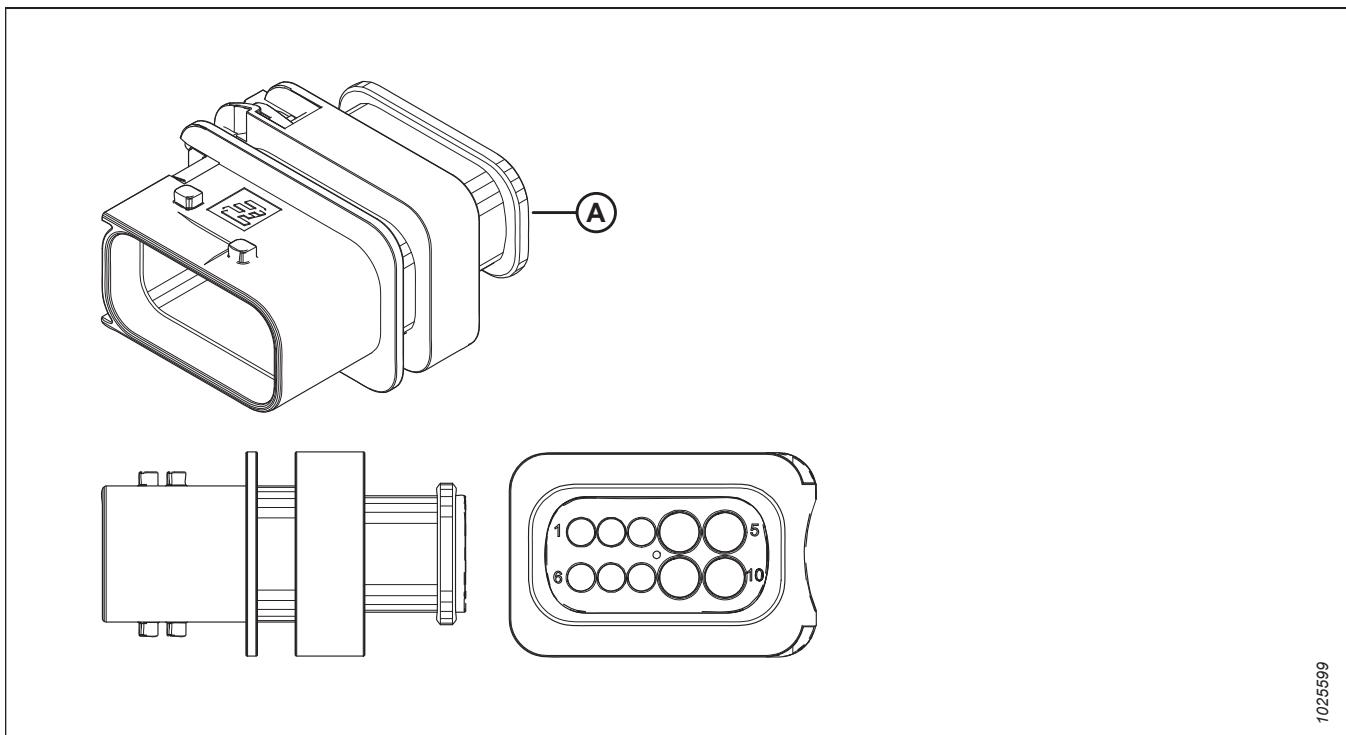
11.5



	MacDon Part #	Description	Manufacturer	Series	Manufacturer Part #
A		Connector – Plug	Tyco	HDSCS	1-1564514-1
B		Terminal			1-968855-1, 1-968882-1
		Lock			
		Secondary Lock			
		Seal			
		Mating Connector			1-1564516-1, 1-1564518-1
		Extraction Tool			
		Crimp Tool			
		Cavity Plug			
		Boots/Caps			

TEN-POSITION CONNECTORS

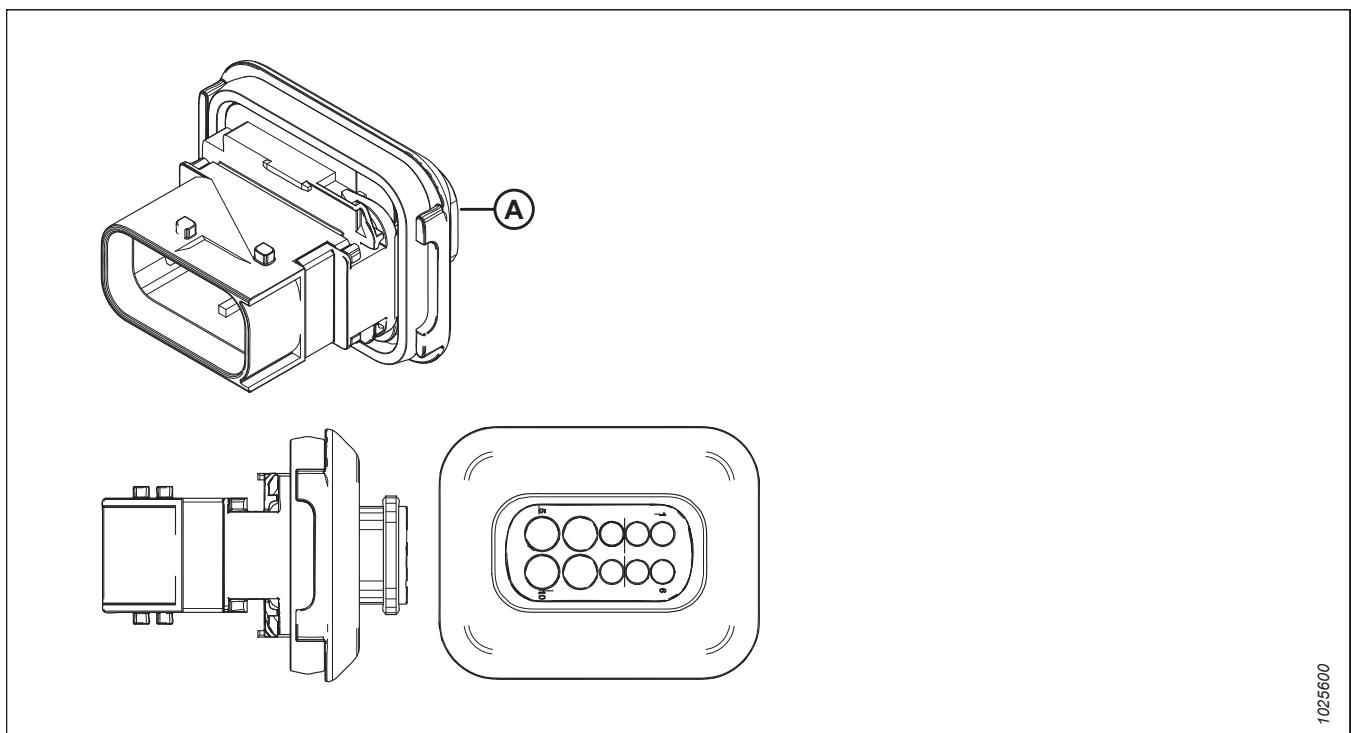
11.6



	MacDon Part #	Description	Manufacturer	Series	Manufacturer Part #
A		Connector – Receptacle	Tyco		1-1564516-1
		Terminal			
		Lock			
		Secondary Lock			
		Seal			
		Mating Connector		1-1564514-1	
		Extraction Tool			
		Crimp Tool			
		Cavity Plug			
		Boots/Caps			

TEN-POSITION CONNECTORS

11.7

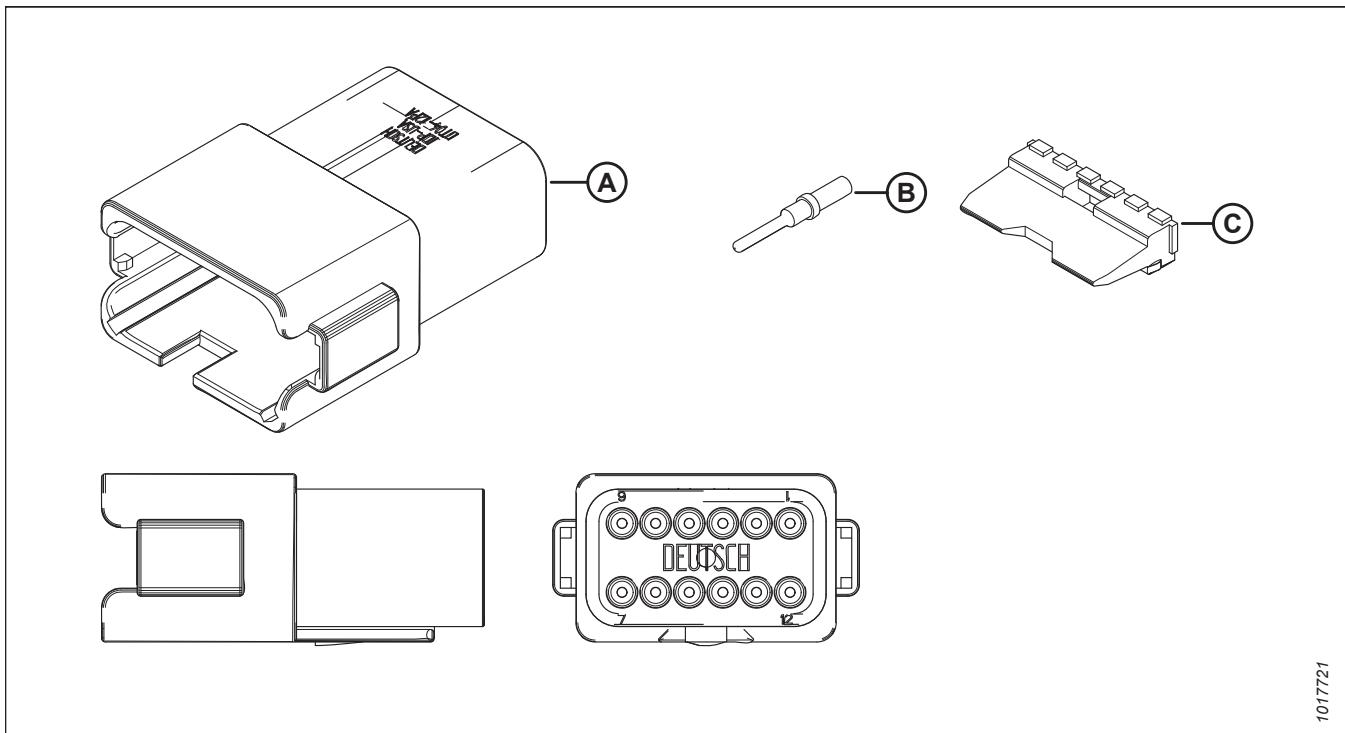


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	MacDon Part #	Description	Manufacturer	Series	Manufacturer Part #
A		Connector – Receptacle	Tyco		1-1564518-1
		Terminal			
		Lock			
		Secondary Lock			
		Seal			
		Mating Connector		1-1564514-1	
		Extraction Tool			
		Crimp Tool			
		Cavity Plug			
		Boots/Caps			

Chapter 12: 12-Position Connectors

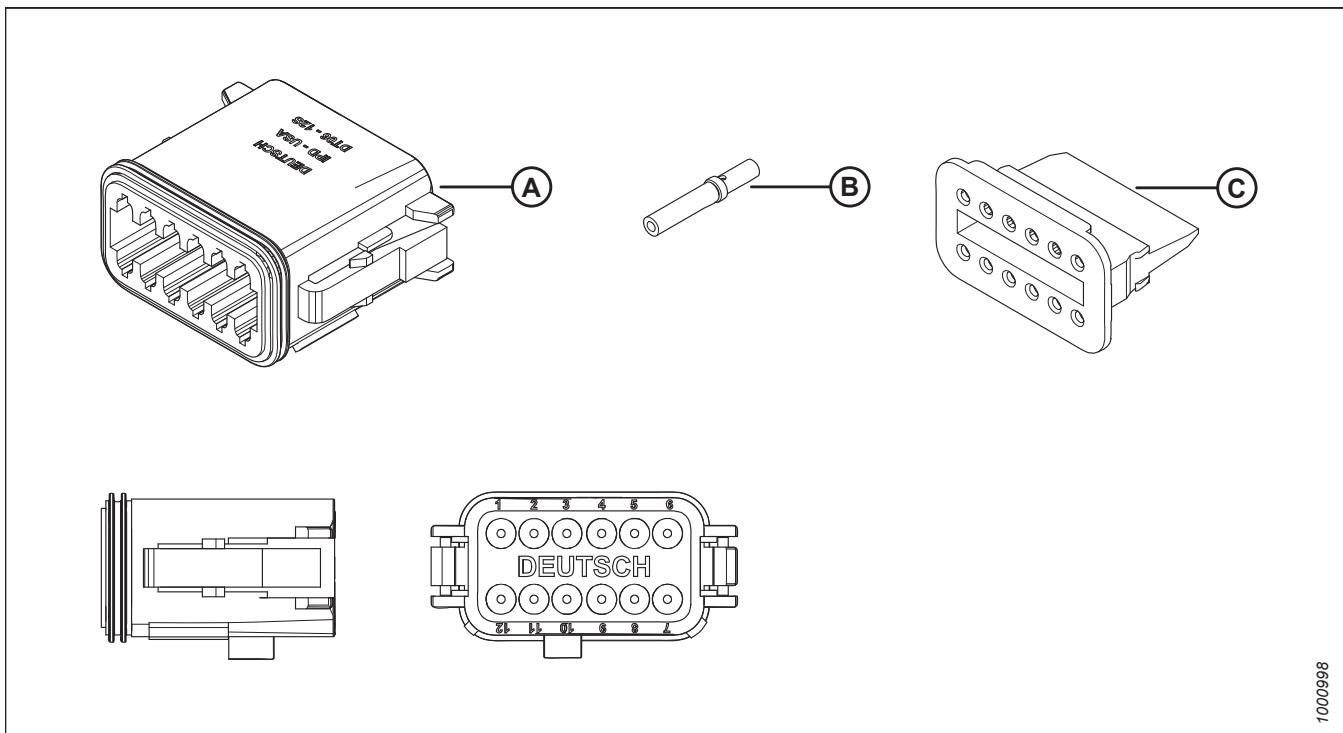
12.1



	MacDon Part #	Description	Manufacturer	Series	Manufacturer Part #
A		Connector – Receptacle (14–20 ga)	Deutsch	DT	DT04-12PA-B016
B	134023	Terminal – Pin	Deutsch	Size 16	0460-202-16141 (nickel), 0460-202-1631 (gold)
C	134109	Lock	Deutsch	DT	W12P
	134038	Mating Connector	DT06-12SA-B016		
		Extraction Tool			
	134015	Crimp Tool	HDT-48-00		

12-POSITION CONNECTORS

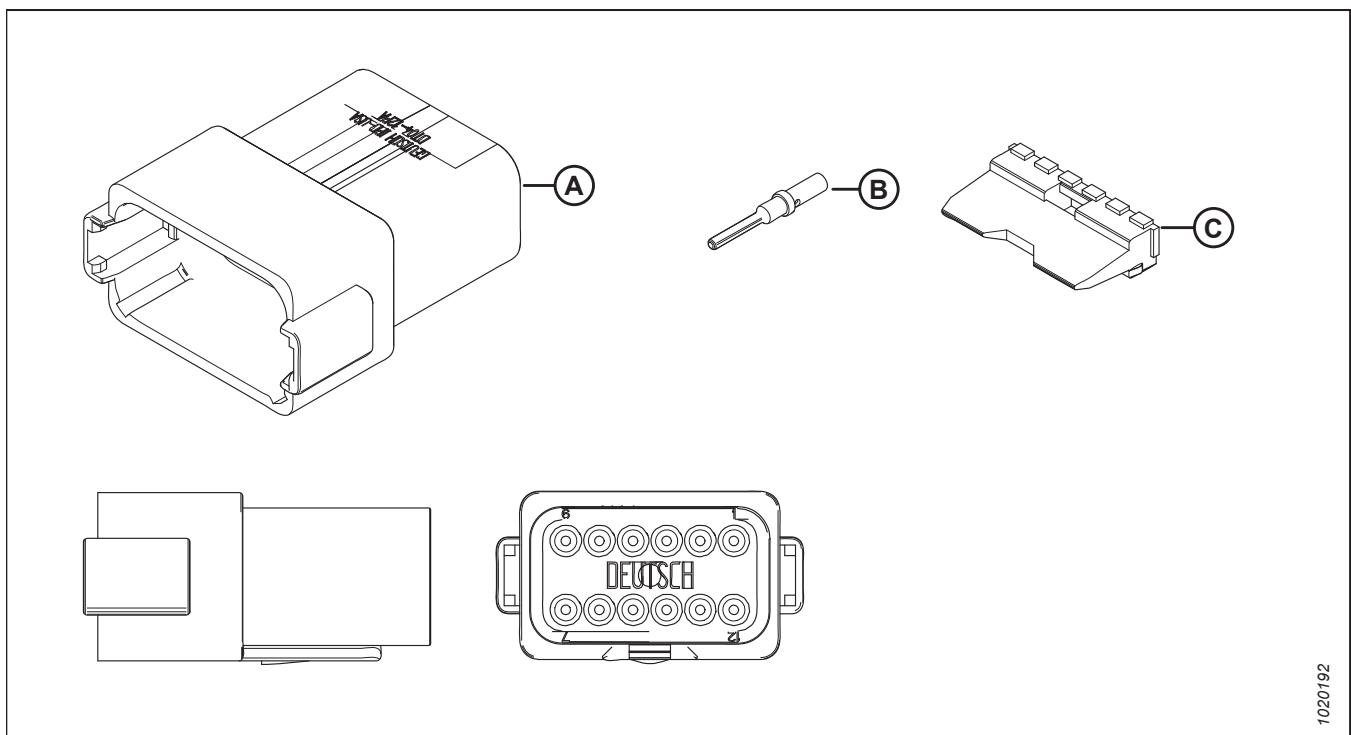
12.2



	MacDon Part #	Description	Manufacturer	Series	Manufacturer Part #	
A	134038	Connector – Plug	Deutsch	DT	DT06-12SA-B016	
B	134026	Terminal – Socket	Deutsch	Size 16	0462-201-16141 (nickel), 0462-201-1631 (gold)	
C	134039	Lock	Deutsch	DT	W12S-P012	
		Mating Connector	DT04-12PA-B016			
		Extraction Tool				
		Crimp Tool				

12-POSITION CONNECTORS

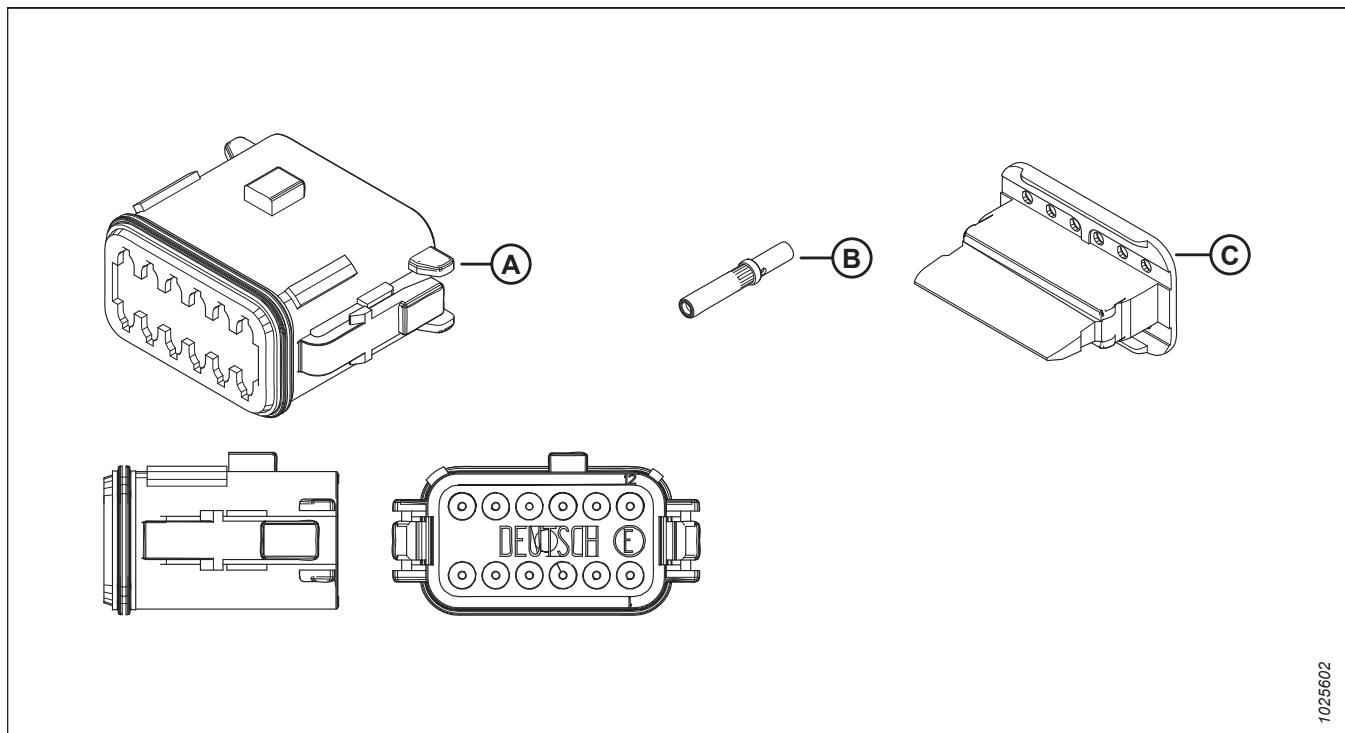
12.3



	MacDon Part #	Description	Manufacturer	Series	Manufacturer Part #
A		Connector – Receptacle	Deutsch	DT	DT04-12PA
B	134023	Terminal – Pin		Size 16	0460-202-16141 (nickel), 0460-202-1631 (gold)
C		Lock			W12P
		Mating Connector			
		Extraction Tool			
		Crimp Tool			

12-POSITION CONNECTORS

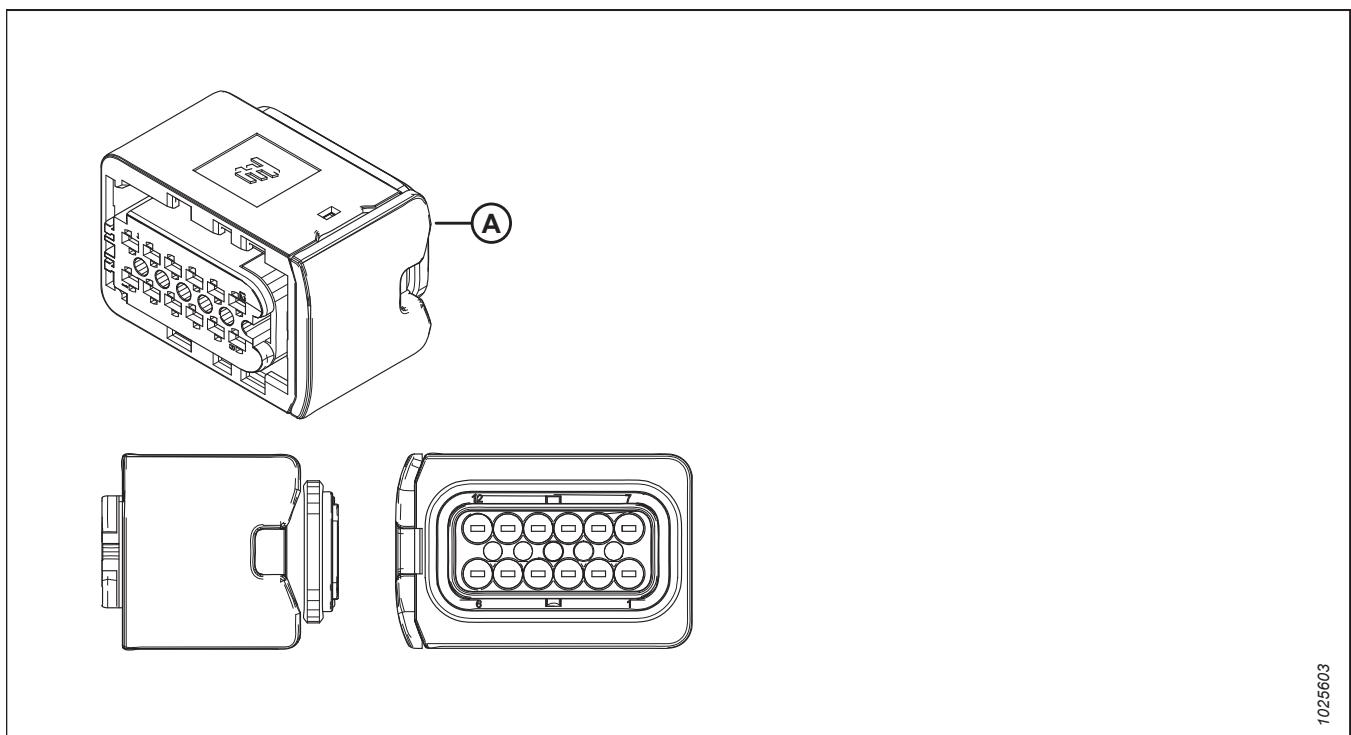
12.4



	MacDon Part #	Description	Manufacturer	Series	Manufacturer Part #
A		Connector – Plug	Deutsch	DT	DT06-12SA-CE10
B	134026	Terminal – Socket		Size 16	0462-201-16141 (nickel), 0462-201-1631 (gold)
C		Lock			W12S-P012
		Secondary Lock			
		Seal			
		Mating Connector			
		Extraction Tool			
		Crimp Tool			
		Cavity Plug			
		Boots/Caps			

12-POSITION CONNECTORS

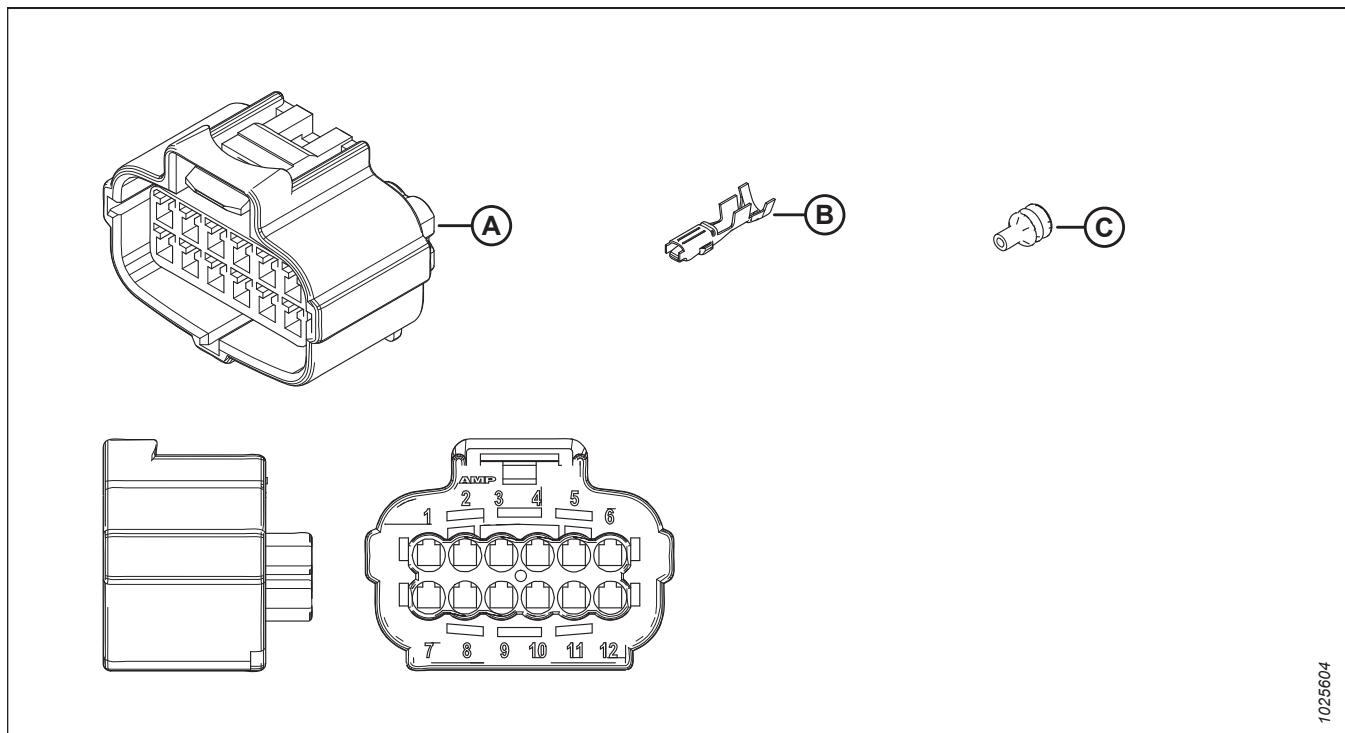
12.5



	MacDon Part #	Description	Manufacturer	Series	Manufacturer Part #
A		Connector – Plug	Tyco		1-1703639-1
		Terminal			
		Lock			
		Secondary Lock			
		Seal			
		Mating Connector		1-1564520-1, 1-1564414-1	
		Extraction Tool			
		Crimp Tool			
		Cavity Plug			
		Boots/Caps			

12-POSITION CONNECTORS

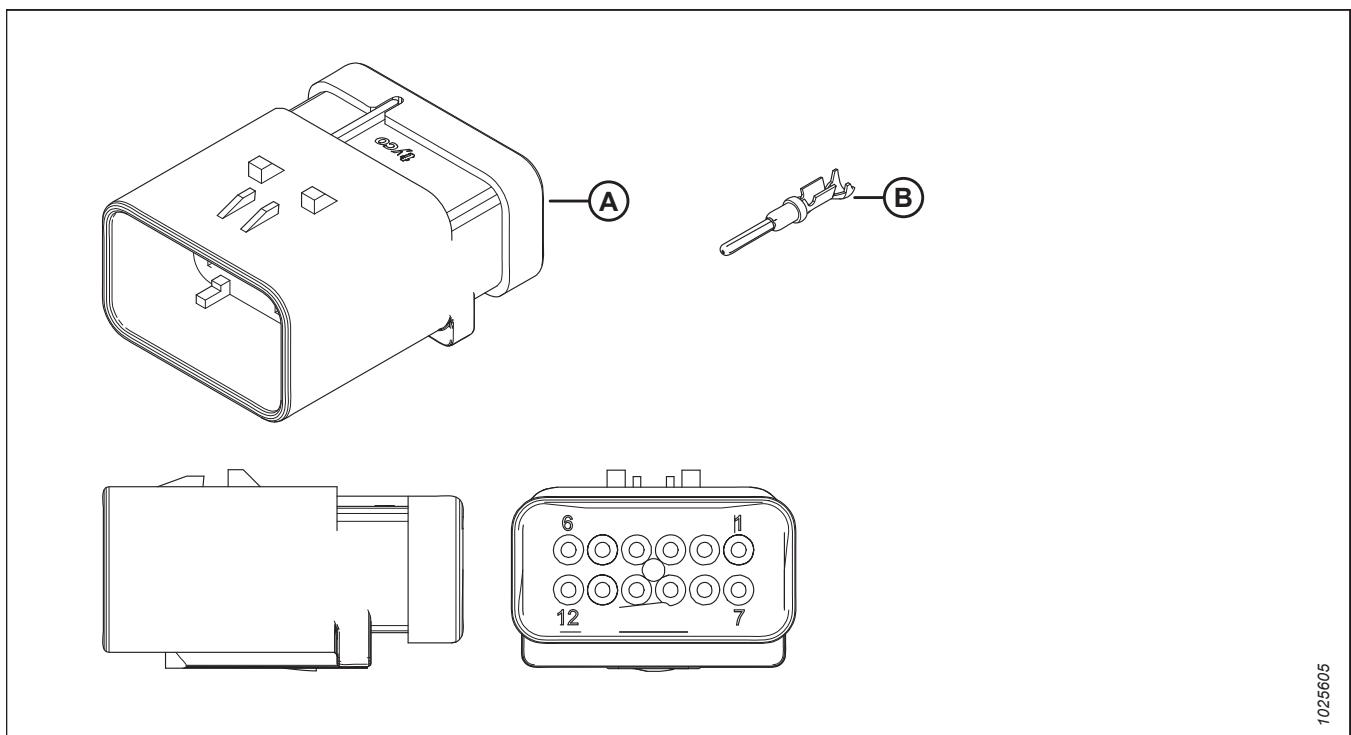
12.6



	MacDon Part #	Description	Manufacturer	Series	Manufacturer Part #
A		Connector – Plug	Tyco		184115-1
B		Terminal			184030, 184095, 184373
		Lock			184058
		Secondary Lock			
C		Seal			184139, 184140, 184141
		Mating Connector			
		Extraction Tool			
		Crimp Tool			
		Cavity Plug			
		Boots/Caps			

12-POSITION CONNECTORS

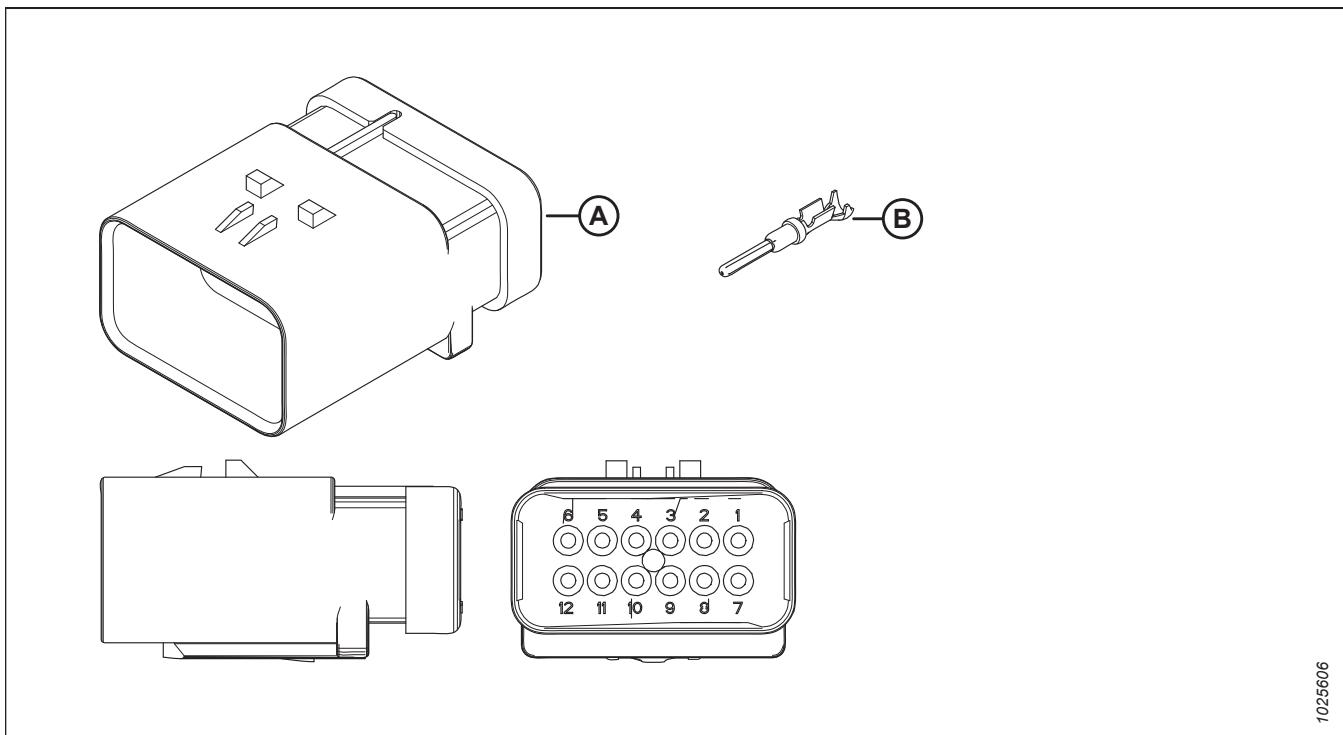
12.7



	MacDon Part #	Description	Manufacturer	Series	Manufacturer Part #
A		Connector – Receptacle (RED Insert)	Tyco	Ampseal 16	776438-1
B		Terminal			1924463, 2098250
		Lock			
		Secondary Lock			
		Seal			
		Mating Connector			
		Extraction Tool			776441-1
		Crimp Tool			
		Cavity Plug			776364-1
		Boots/Caps			2035047, 2292865, 2302486

12-POSITION CONNECTORS

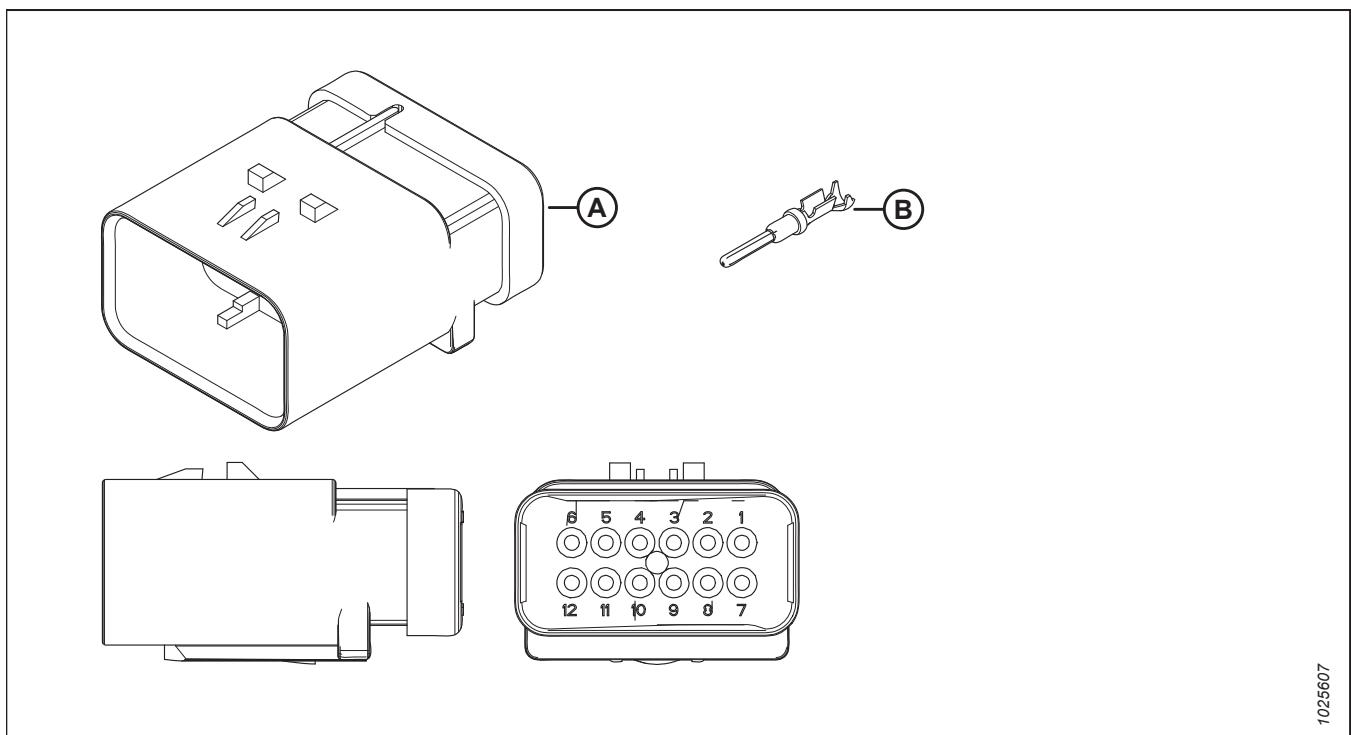
12.8



	MacDon Part #	Description	Manufacturer	Series	Manufacturer Part #
A		Connector – Receptacle (GRAY Insert)	Tyco	Ampseal 16	776438-2
B		Terminal			1924463, 2098250
		Lock			
		Secondary Lock			
		Seal			
		Mating Connector			
		Extraction Tool		776441-1	
		Crimp Tool			
		Cavity Plug		776364-1	
		Boots/Caps		2035047, 2292865, 2302486	

12-POSITION CONNECTORS

12.9

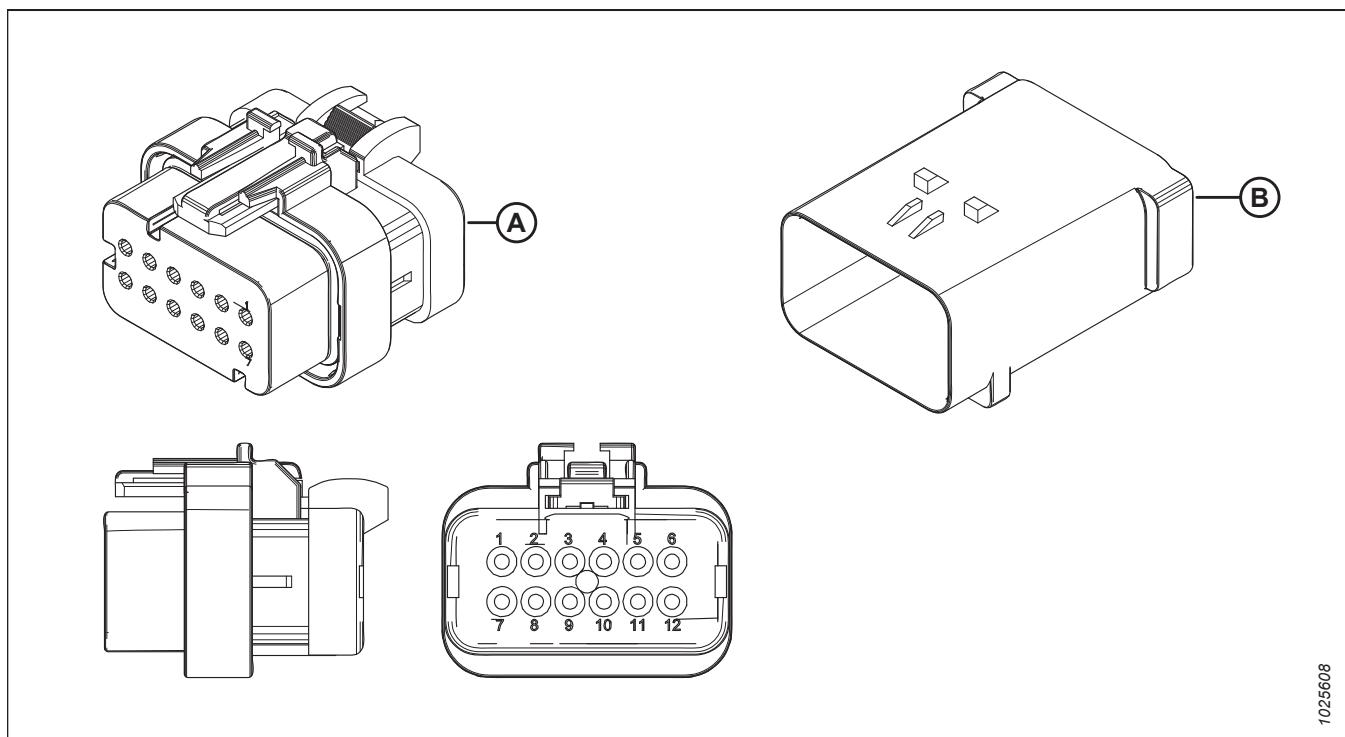


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	MacDon Part #	Description	Manufacturer	Series	Manufacturer Part #
A		Connector – Receptacle (YELLOW Insert)	Tyco	Ampseal 16	776438-3
B		Terminal			1924463, 2098250
		Lock			
		Secondary Lock			
		Seal			
		Mating Connector			
		Extraction Tool		776441-1	
		Crimp Tool			
		Cavity Plug		776364-1	
		Boots/Caps		2035047, 2292865, 2302486	

12-POSITION CONNECTORS

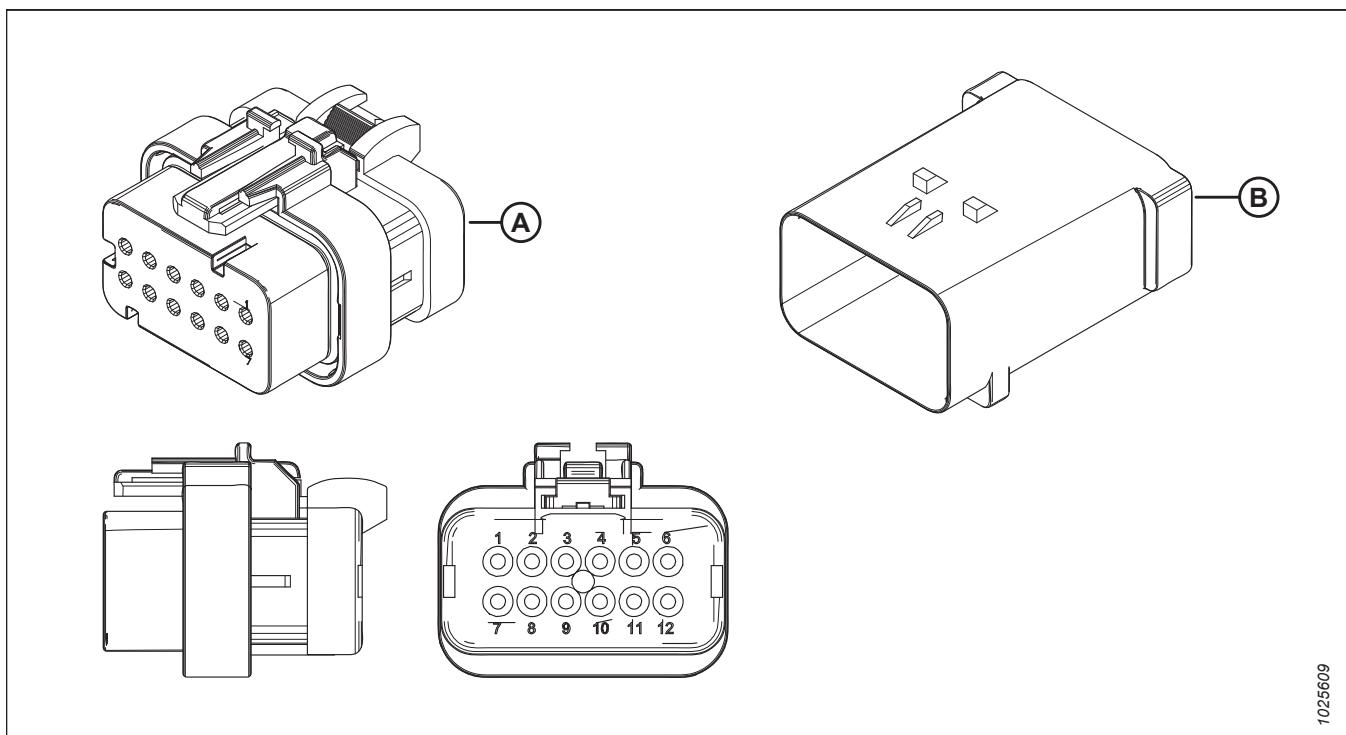
12.10



	MacDon Part #	Description	Manufacturer	Series	Manufacturer Part #
A		Connector - Plug (RED Insert)	Tyco	Ampseal 16	776437-1
		Terminal			776491, 776492, 776491, 2098253 (gold)
		Lock			
		Secondary Lock			
B		Seal Cap			2040594-6
		Mating Connector			
		Extraction Tool		776441-1	
		Crimp Tool			
		Cavity Plug		776363	
		Boots/Caps		2035047, 2040594, 2292802, 2302495	

12-POSITION CONNECTORS

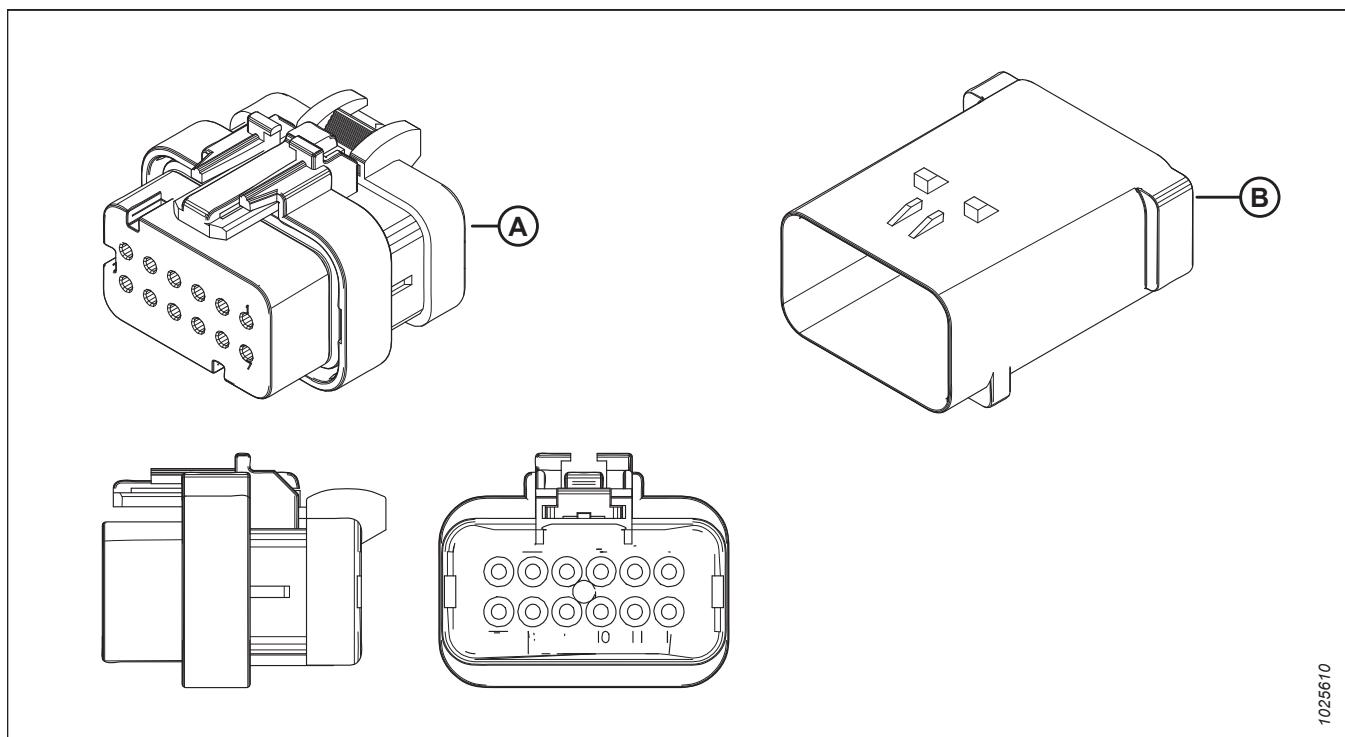
12.11



	MacDon Part #	Description	Manufacturer	Series	Manufacturer Part #
A		Connector – Plug (GRAY Insert)	Tyco	Ampseal 16	776437-2
		Terminal			776491, 776492, 2098253, 776491
		Lock			
		Secondary Lock			
B		Seal Cap			2040594-6
		Mating Connector			
		Extraction Tool		776441-1	
		Crimp Tool			
		Cavity Plug		776363	
		Boots/Caps		2035047, 2040594, 2292802, 2302495	

12-POSITION CONNECTORS

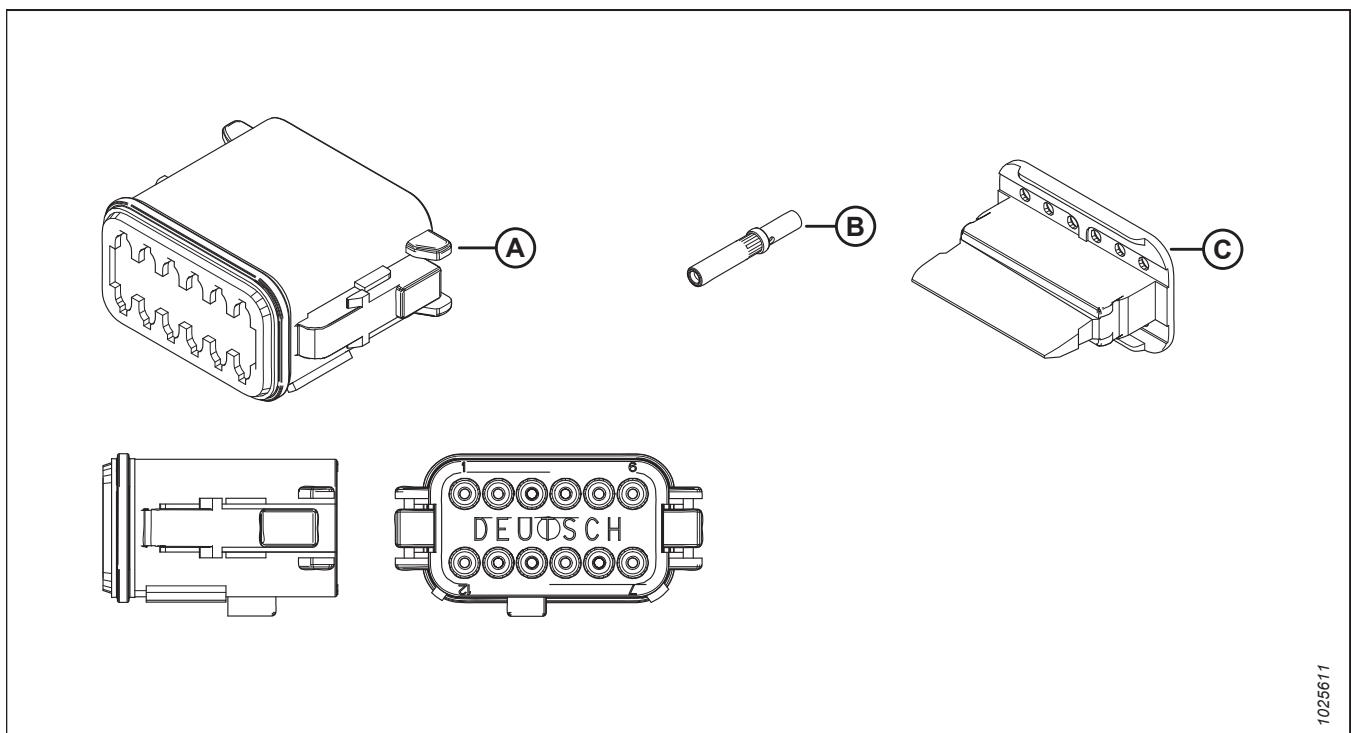
12.12



	MacDon Part #	Description	Manufacturer	Series	Manufacturer Part #
A		Connector - Plug (YELLOW Insert)	Tyco	Ampseal 16	776437-3
		Terminal			776491, 776492, 2098253, 776491
		Lock			
		Secondary Lock			
B		Seal Cap			2040594-6
		Mating Connector			
		Extraction Tool		776441-1	
		Crimp Tool			
		Cavity Plug		776363	
		Boots/Caps		2035047, 2040594, 2292802, 2302495	

12-POSITION CONNECTORS

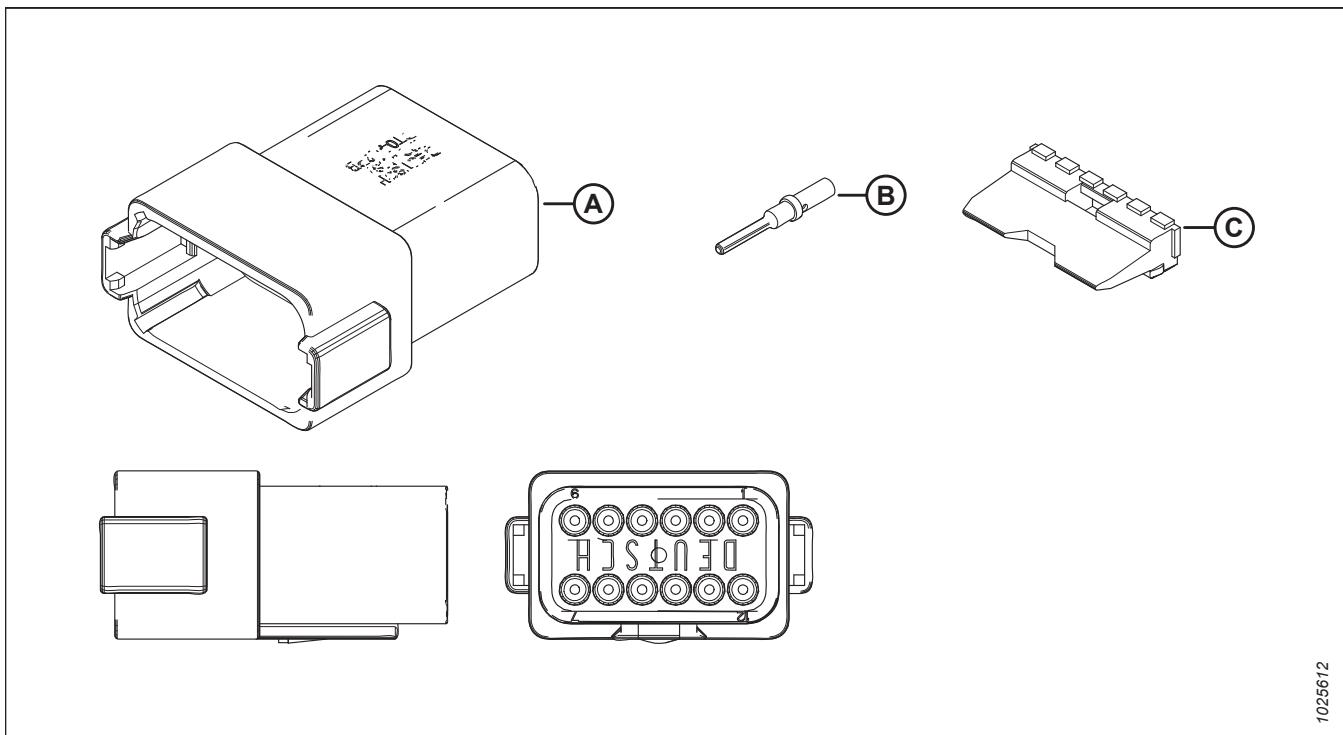
12.13



	MacDon Part #	Description	Manufacturer	Series	Manufacturer Part #	
A		Connector – Plug	Deutsch	DT	DT06-12SA-P012	
B	134026	Terminal – Socket		Size 16	0462-201-16141 (nickel), 0462-201-1631 (gold)	
C		Lock			W12S-P012	
		Secondary Lock				
		Seal				
		Mating Connector	DT04-12PA-B016, DT04-12PA-BE02, DT04-12PA-BL04			
		Extraction Tool				
		Crimp Tool				
		Cavity Plug				
		Boots/Caps	DT12S-BT, 1028-043-1205, 1011-349-1205			

12-POSITION CONNECTORS

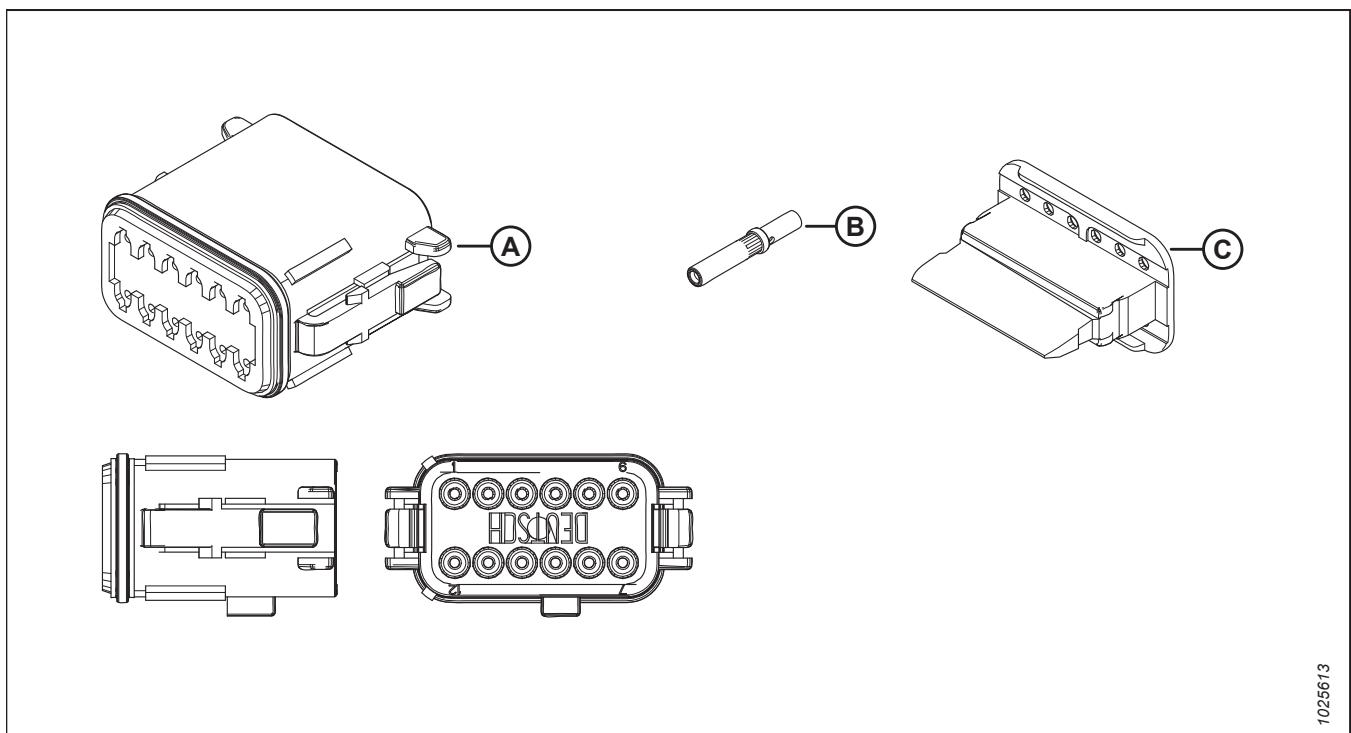
12.14



	MacDon Part #	Description	Manufacturer	Series	Manufacturer Part #
A		Connector – Receptacle	Deutsch	DT	DT04-12PB
B	134023	Terminal – Pin		Size 16	0460-202-16141 (nickel), 0460-202-1631 (gold)
C		Lock			W12P
		Secondary Lock			
		Seal			
		Mating Connector		DT06-12SB	
		Extraction Tool			
		Crimp Tool			
		Cavity Plug			
		Boots/Caps		DT12P-BT, 1011-026-0205, 1011-249-1205, 1027-003-1200	

12-POSITION CONNECTORS

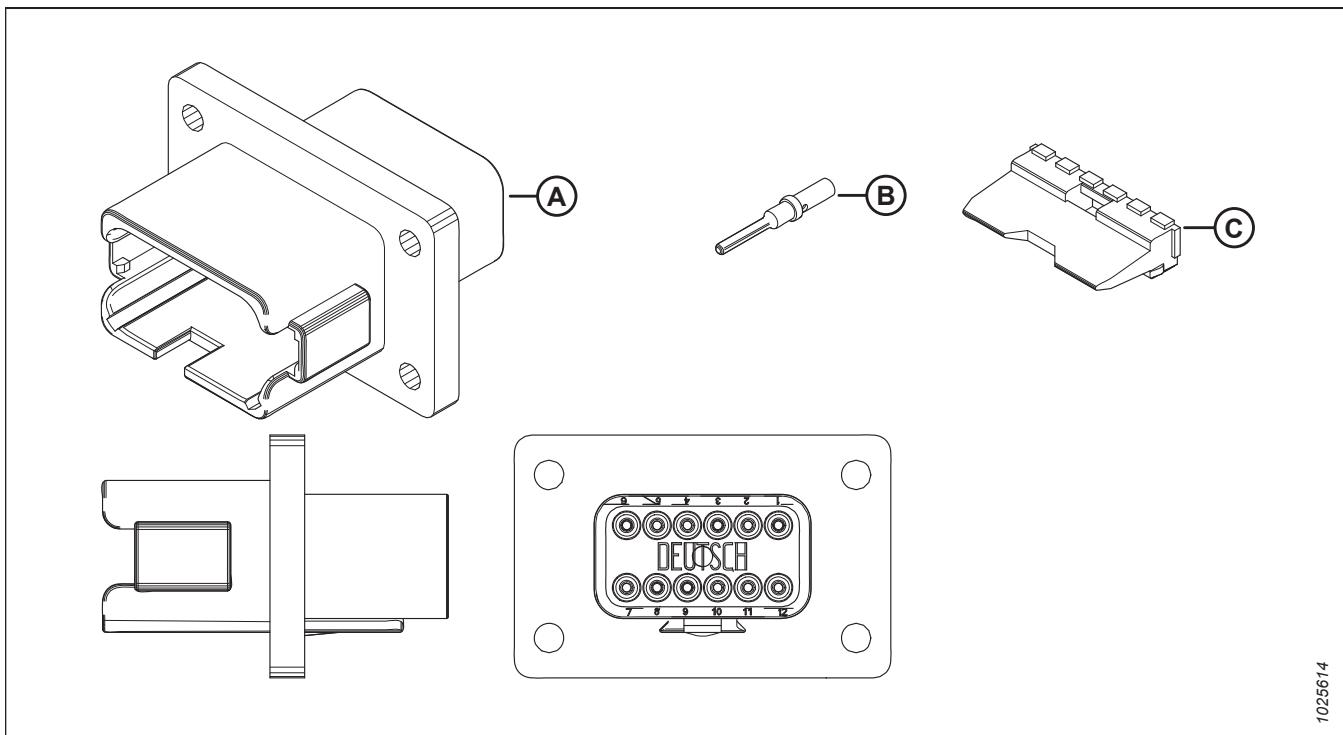
12.15



	MacDon Part #	Description	Manufacturer	Series	Manufacturer Part #	
A		Connector – Plug	Deutsch	DT	DT06-12SB-P012	
B	134026	Terminal – Socket		Size 16	0462-201-16141 (nickel), 0462-201-1631 (gold)	
C		Lock			W12S-P012	
		Secondary Lock				
		Seal				
		Mating Connector	DT04-12PB-B016, DT04-12PB-BE02, DT04-12PB-BL04			
		Extraction Tool				
		Crimp Tool				
		Cavity Plug				
		Boots/Caps	DT12S-BT, 1028-043-1205, 1011-349-1205			

12-POSITION CONNECTORS

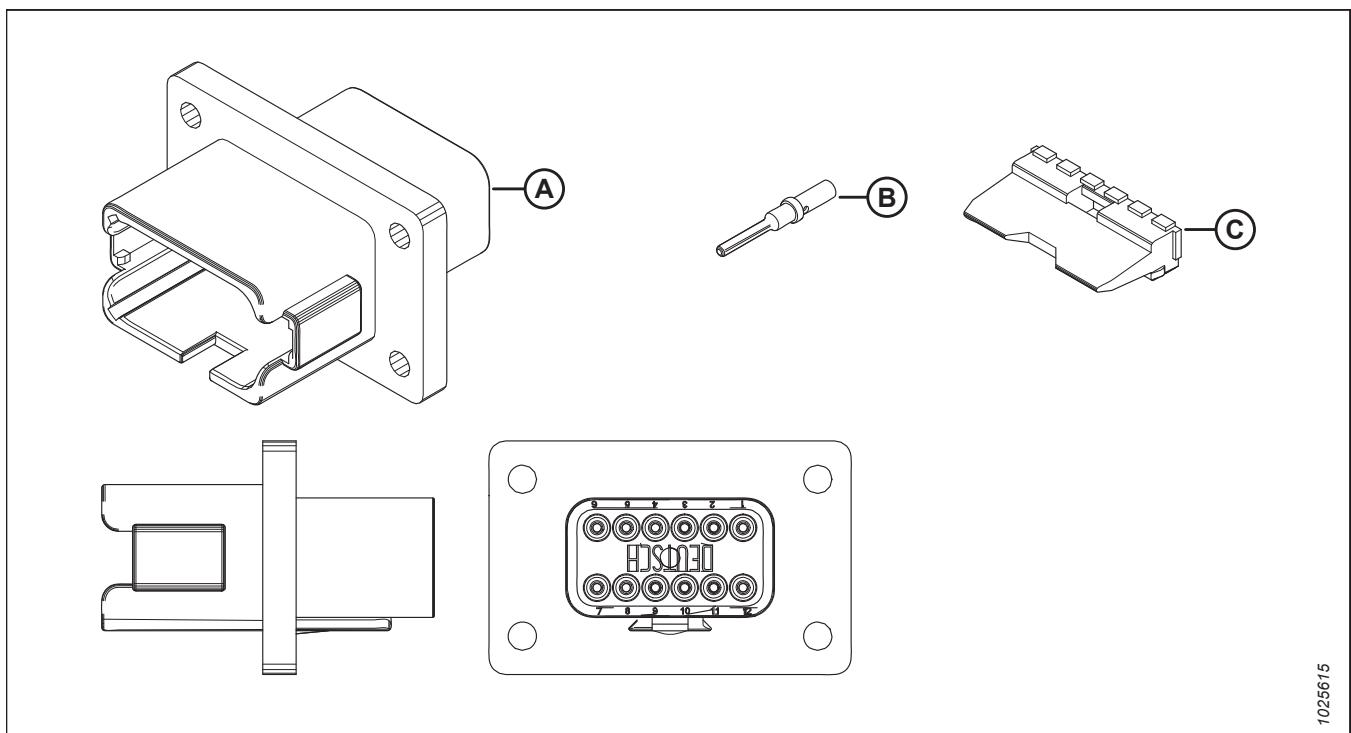
12.16



	MacDon Part #	Description	Manufacturer	Series	Manufacturer Part #
A		Connector – Receptacle	Deutsch	DT	DT04-12PA-BL04
B	134023	Terminal – Pin		Size 16	0460-202-16141 (nickel), 0460-202-1631 (gold)
C		Lock			W12P
		Secondary Lock			
		Seal			
		Mating Connector			
		Extraction Tool			
		Crimp Tool			
		Cavity Plug			
		Boots/Caps			

12-POSITION CONNECTORS

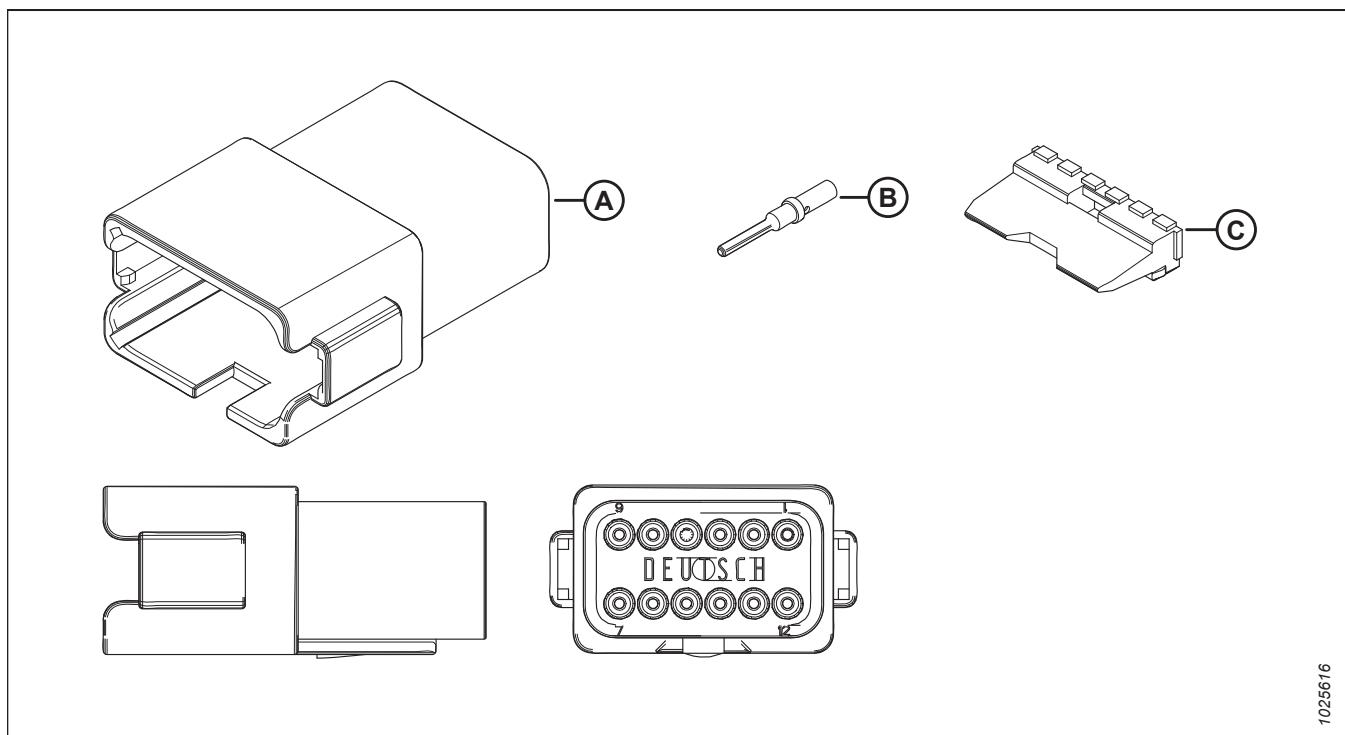
12.17



	MacDon Part #	Description	Manufacturer	Series	Manufacturer Part #
A		Connector – Receptacle	Deutsch	DT	DT04-12PB-BL04
B	134023	Terminal – Pin		Size 16	0460-202-16141 (nickel), 0460-202-1631 (gold)
C		Lock			W12P
		Secondary Lock			
		Seal			
		Mating Connector			
		Extraction Tool			
		Crimp Tool			
		Cavity Plug			
		Boots/Caps			

12-POSITION CONNECTORS

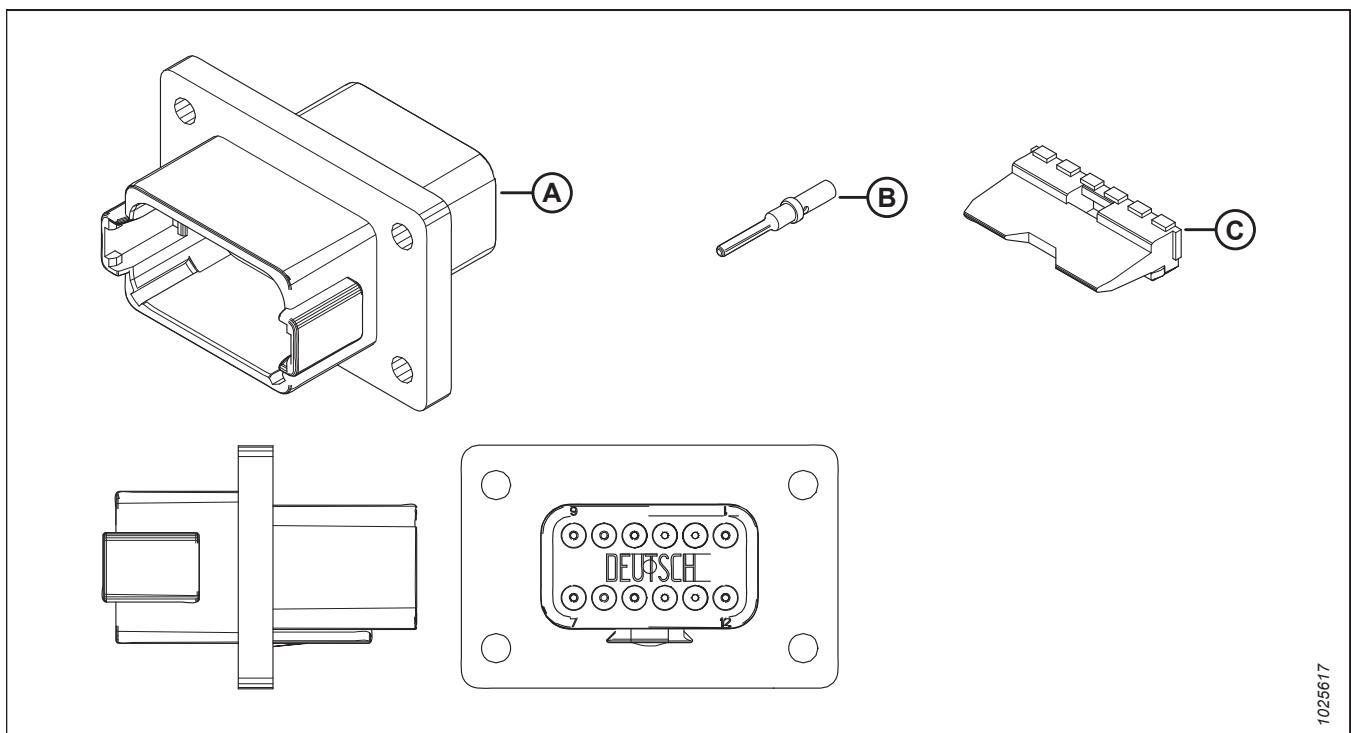
12.18



	MacDon Part #	Description	Manufacturer	Series	Manufacturer Part #
A		Connector – Receptacle	Deutsch	DT	DT04-12PB-B016
B	134023	Terminal – Pin		Size 16	0460-202-16141 (nickel), 0460-202-1631 (gold)
C		Lock			W12P
		Secondary Lock			
		Seal			
		Mating Connector			
		Extraction Tool			
		Crimp Tool			
		Cavity Plug			
		Boots/Caps			

12-POSITION CONNECTORS

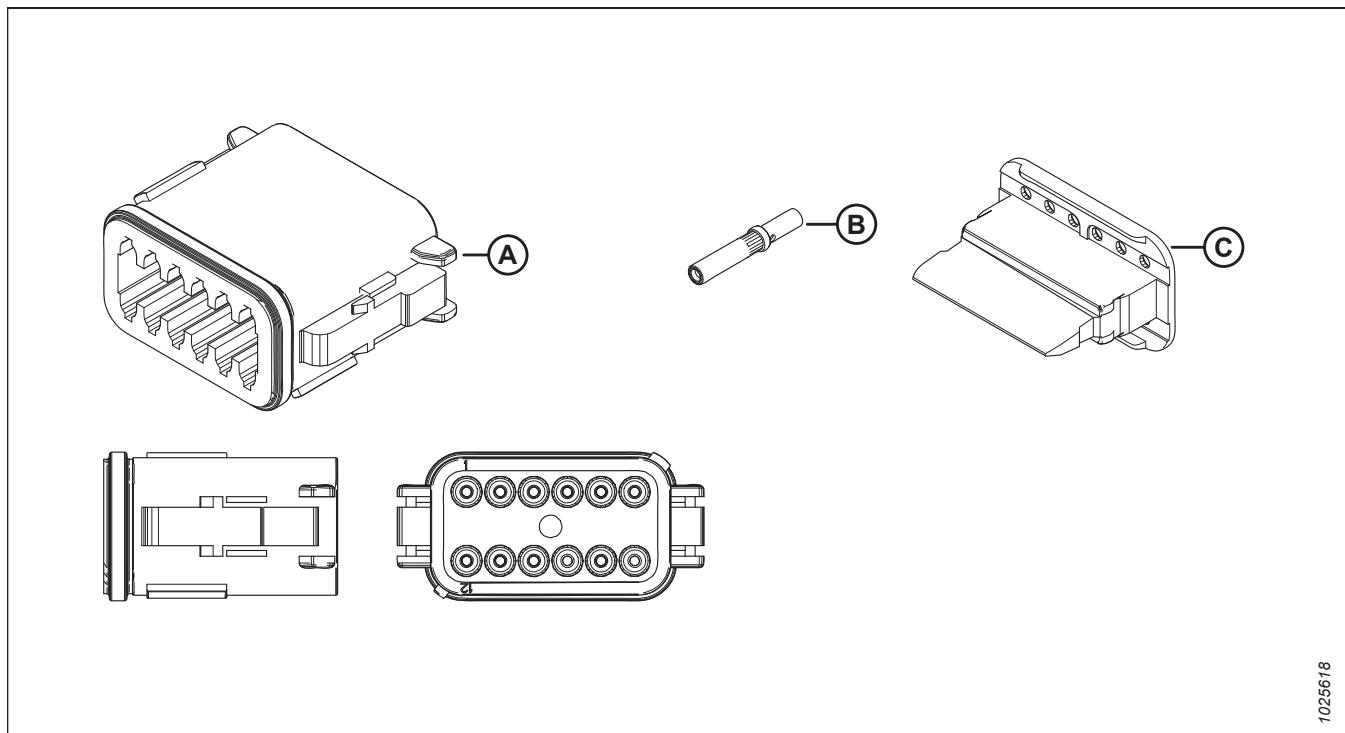
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	MacDon Part #	Description	Manufacturer	Series	Manufacturer Part #
A		Connector – Receptacle	Deutsch	DT	DT04-12PA-L01
B	134023	Terminal – Pin		Size 16	0460-202-16141 (nickel), 0460-202-1631 (gold)
C		Lock			W12P
		Secondary Lock			
		Seal			
		Mating Connector			
		Extraction Tool			
		Crimp Tool			
		Cavity Plug			
		Boots/Caps			

12-POSITION CONNECTORS

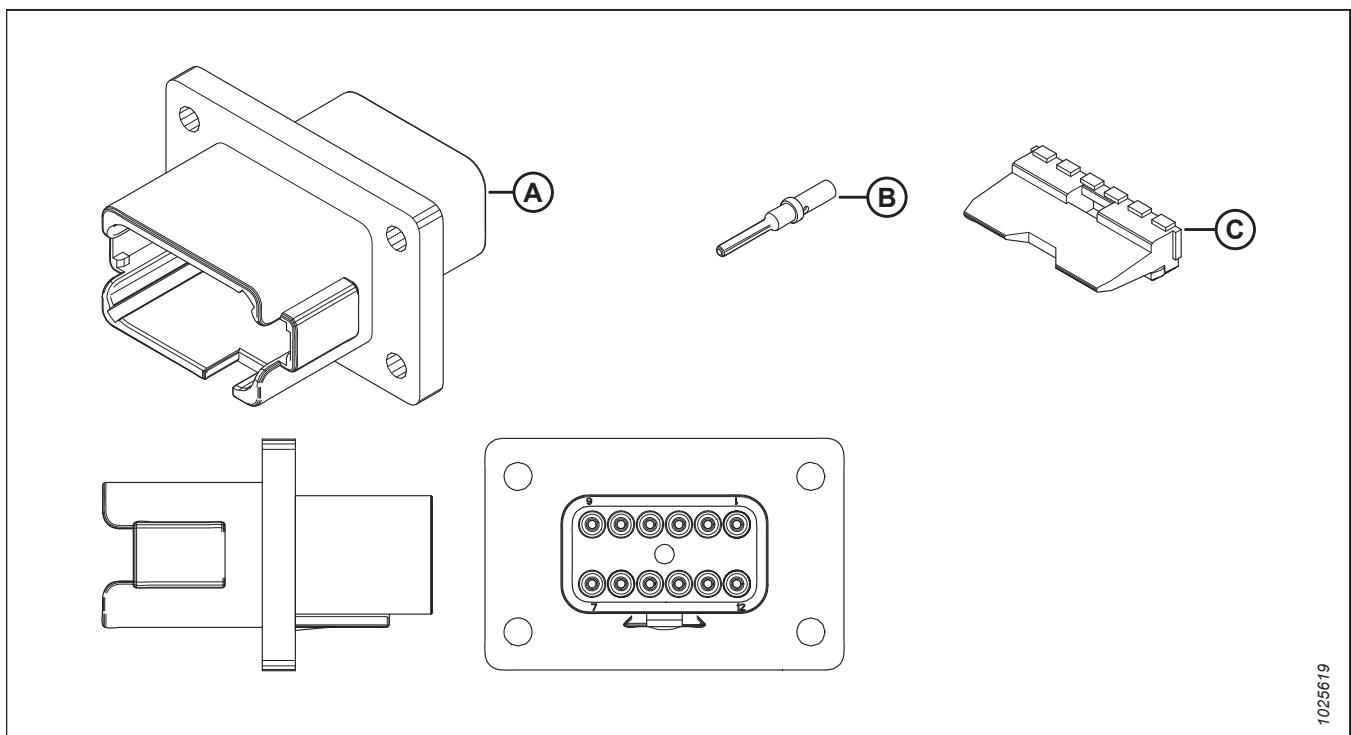
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	MacDon Part #	Description	Manufacturer	Series	Manufacturer Part #
A		Connector – Plug	Deutsch	DT	DT06-12SC
B	134023	Terminal – Socket		Size 16	0462-201-16141 (nickel), 0462-201-1631 (gold)
C		Lock			W12S-P012
		Secondary Lock			
		Seal			
		Mating Connector			
		Extraction Tool			
		Crimp Tool			
		Cavity Plug			
		Boots/Caps			

12-POSITION CONNECTORS

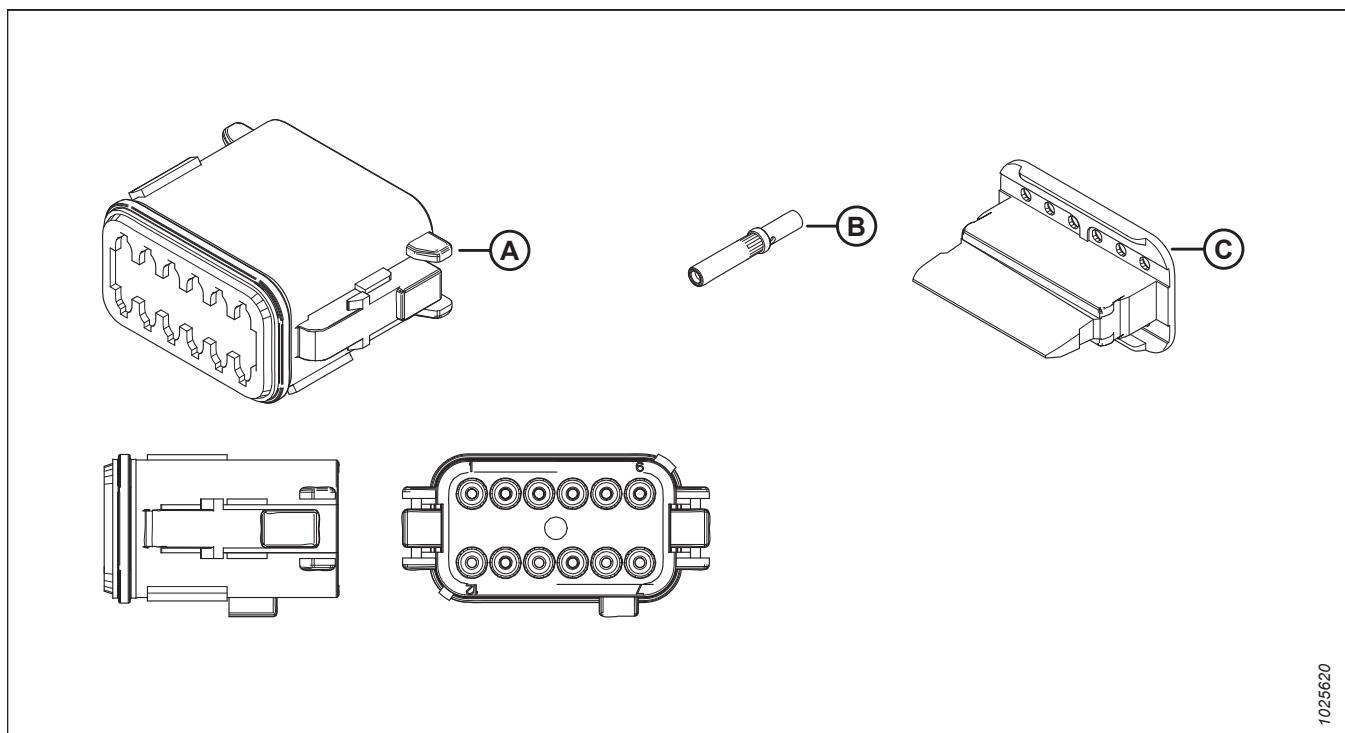
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	MacDon Part #	Description	Manufacturer	Series	Manufacturer Part #
A		Connector – Receptacle	Deutsch	DT	DT04-12PC-BL04
B	134023	Terminal – Pin		Size 16	0460-202-16141 (nickel), 0460-202-1631 (gold)
C		Lock			W12P
		Secondary Lock			
		Seal			
		Mating Connector			
		Extraction Tool			
		Crimp Tool			
		Cavity Plug			
		Boots/Caps			

12-POSITION CONNECTORS

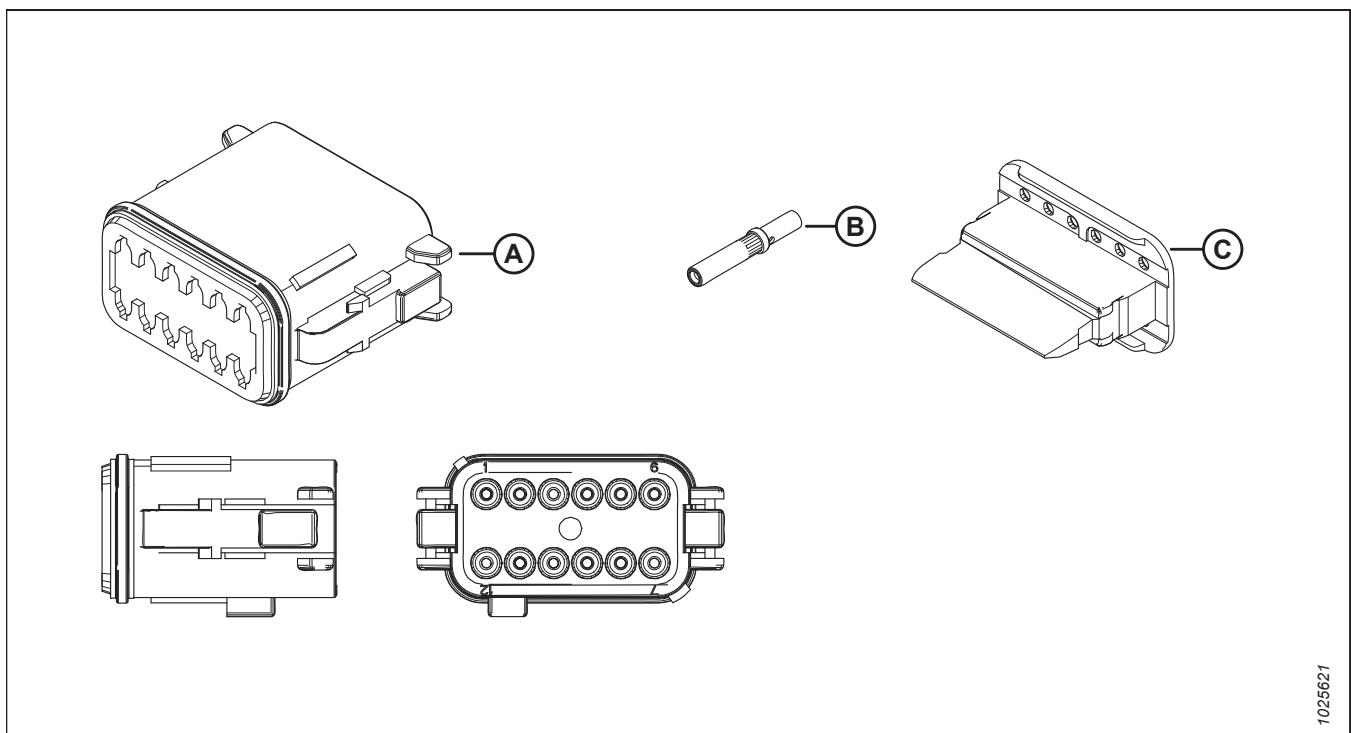
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	MacDon Part #	Description	Manufacturer	Series	Manufacturer Part #
A		Connector – Plug		DT	DT06-12SC-P012
B	134026	Terminal – Socket		Size 16	0462-201-16141 (nickel), 0462-201-1631 (gold)
C		Lock			W12S-P012
		Secondary Lock			
		Seal			
		Mating Connector			
		Extraction Tool			
		Crimp Tool			
		Cavity Plug			
		Boots/Caps			

12-POSITION CONNECTORS

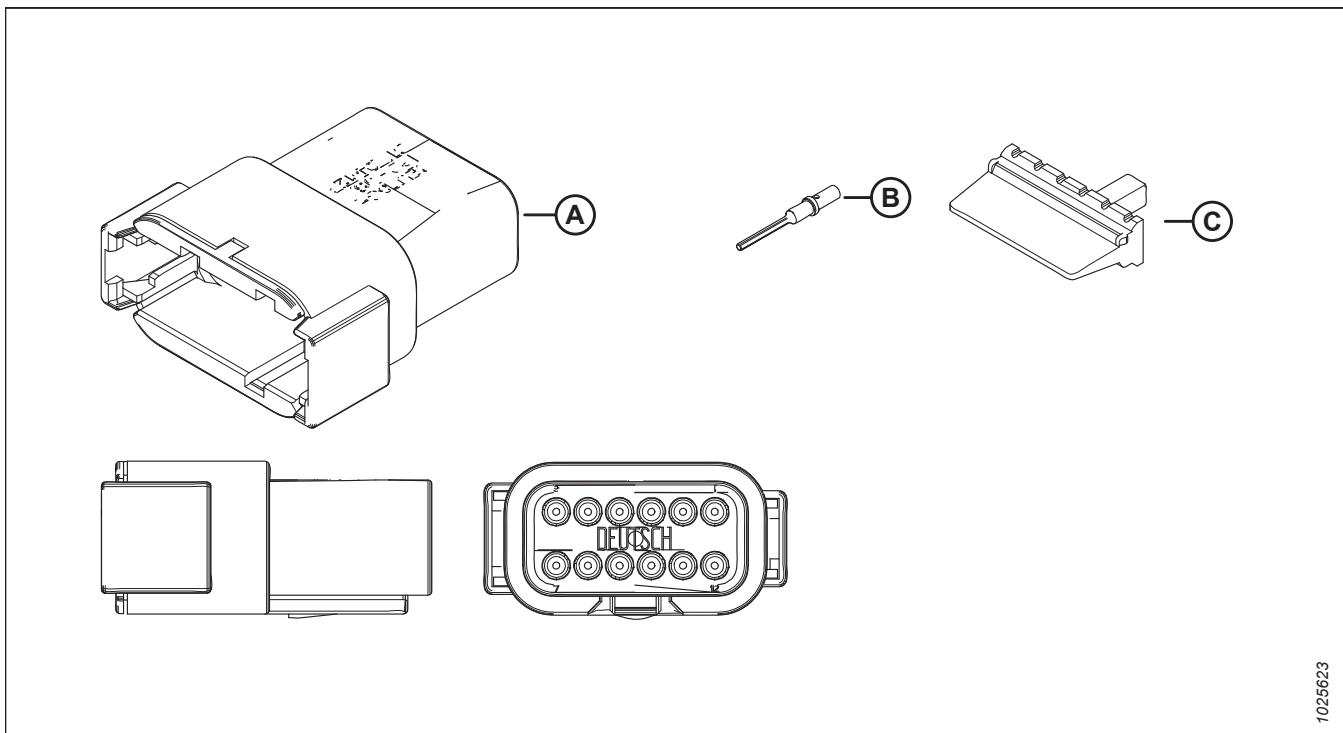
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	MacDon Part #	Description	Manufacturer	Series	Manufacturer Part #
A		Connector – Plug		DT	DT06-12SD-P012
B	134026	Terminal – Socket		Size 16	0462-201-16141 (nickel), 0462-201-1631 (gold)
C		Lock			W12S-P012
		Secondary Lock			
		Seal			
		Mating Connector			
		Extraction Tool			
		Crimp Tool			
		Cavity Plug			
		Boots/Caps			

12-POSITION CONNECTORS

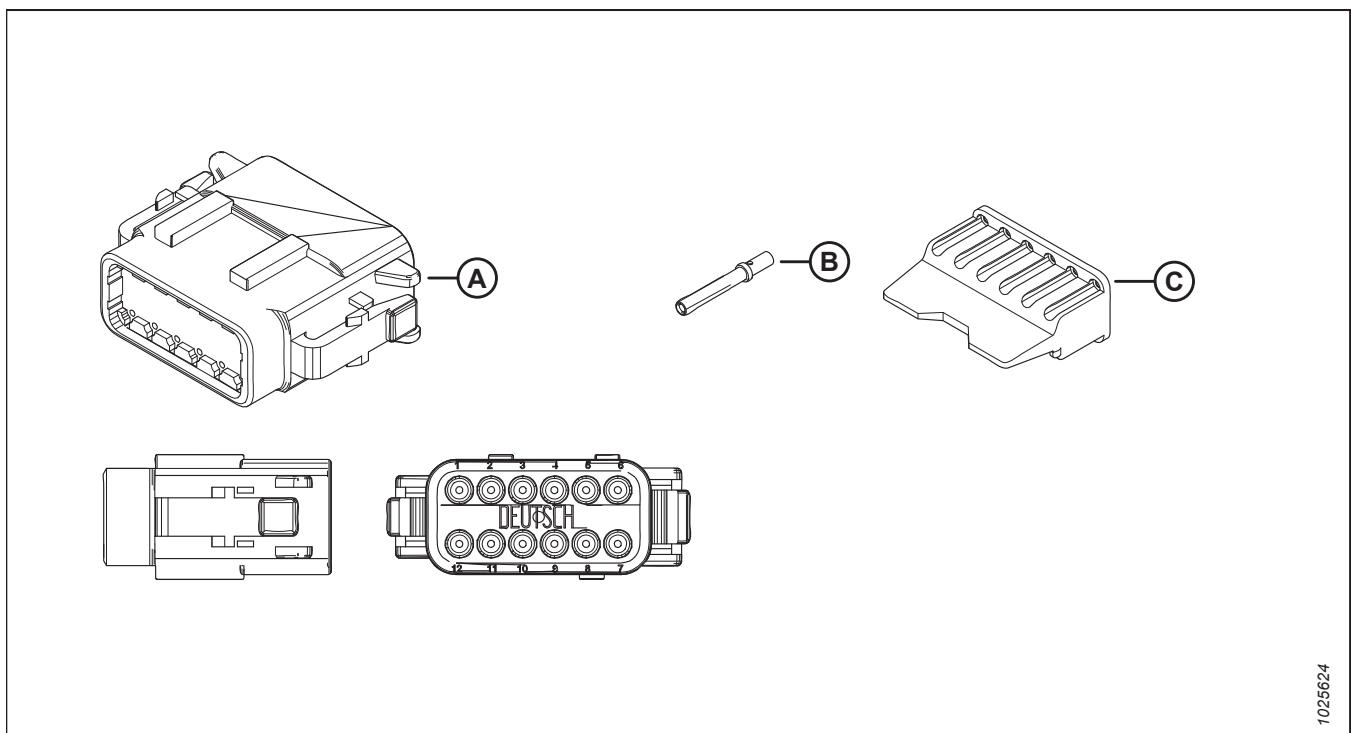
12.24



	MacDon Part #	Description	Manufacturer	Series	Manufacturer Part #
A		Connector – Receptacle	Deutsch	DTM	DTM04-12PA
B	134016	Terminal – Pin		Size 20	0460-202-20141 (nickel), 0460-202-2031 (gold)
C		Lock			WM-12P
		Secondary Lock			
		Seal			
		Mating Connector		DTM06-12SA	
		Extraction Tool			
		Crimp Tool			
		Cavity Plug			
		Boots/Caps		DTM12P-BT	

12-POSITION CONNECTORS

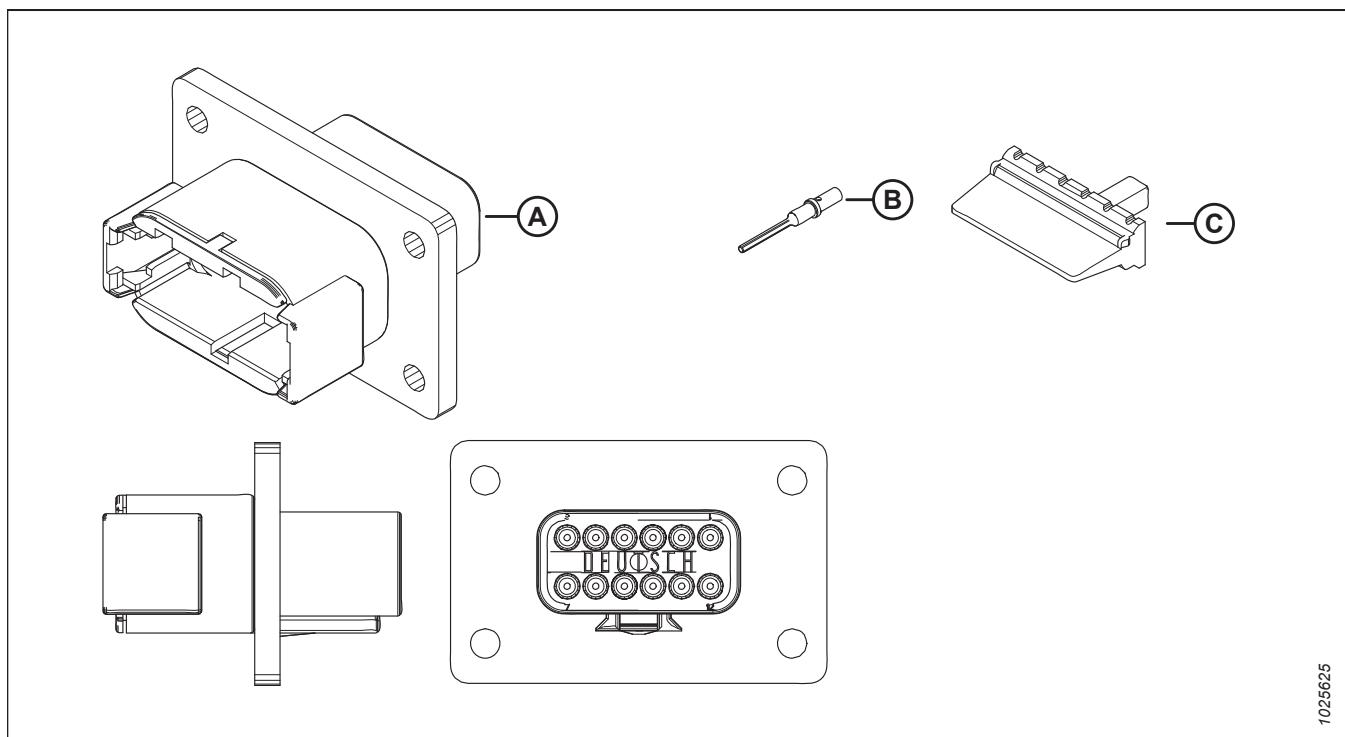
12.25



	MacDon Part #	Description	Manufacturer	Series	Manufacturer Part #
A		Connector – Plug	Deutsch	DT	DTM06-12SA
B	134017	Terminal – Socket		Size 20	0462-201-20141, (nickel), 0462-201-2031 (gold)
C		Lock			WM-12S
		Secondary Lock			
		Seal			
		Mating Connector		DTM04-12PA, DTM13-12PA	
		Extraction Tool			
		Crimp Tool			
		Cavity Plug			
		Boots/Caps			

12-POSITION CONNECTORS

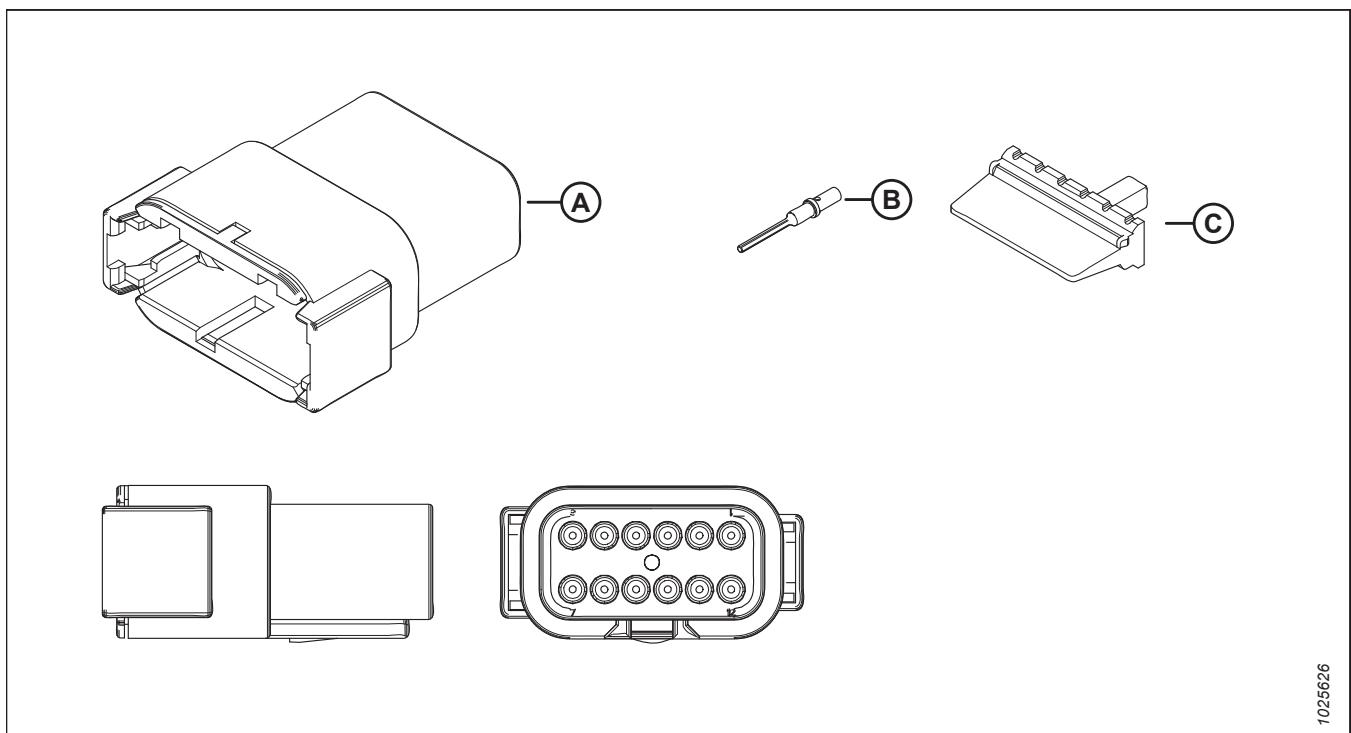
12.26



	MacDon Part #	Description	Manufacturer	Series	Manufacturer Part #
A		Connector – Receptacle	Deutsch	DT	DTM04-12PB-L012
B	134016	Terminal – Pin		Size 20	0460-202-20141 (nickel), 0460-202-2031 (gold)
C		Lock			WM-12P
		Secondary Lock			
		Seal			
		Mating Connector		DTM06-12SB	
		Extraction Tool			
		Crimp Tool			
		Cavity Plug			
		Boots/Caps			

12-POSITION CONNECTORS

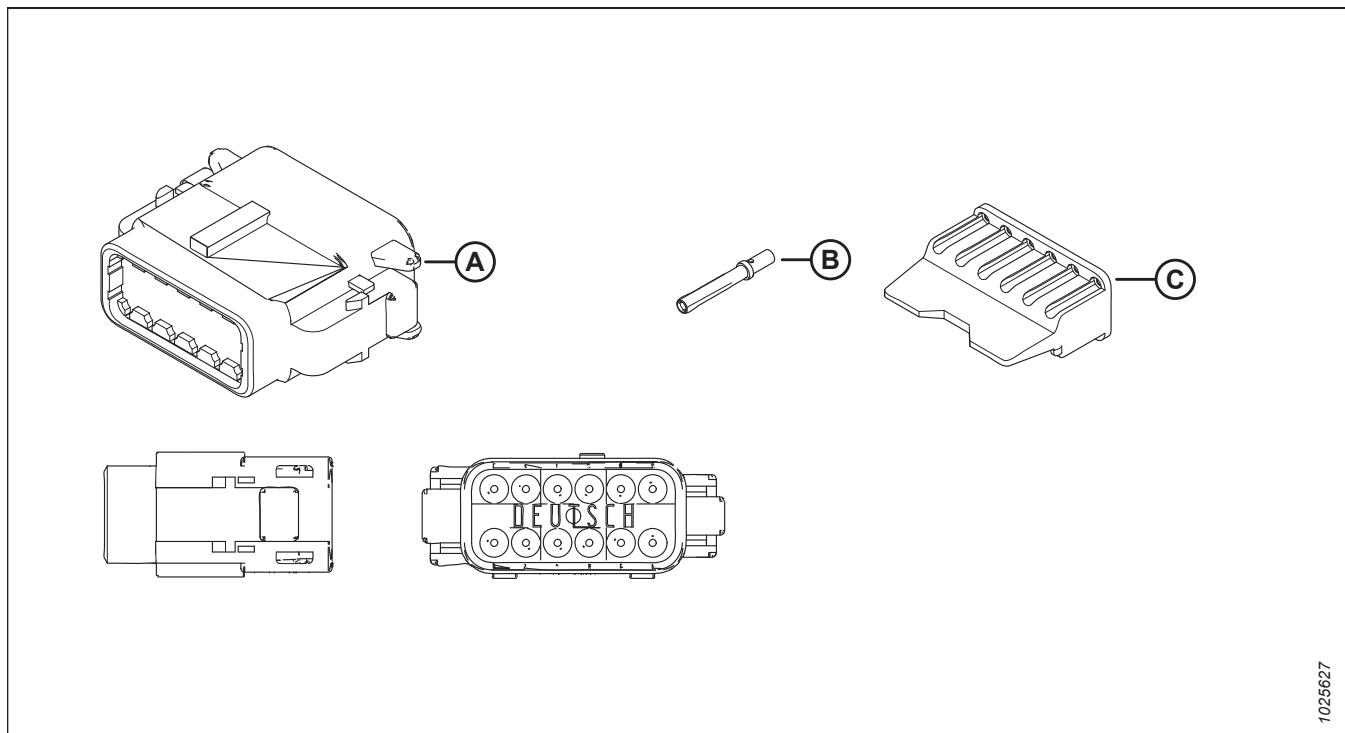
12.27



	MacDon Part #	Description	Manufacturer	Series	Manufacturer Part #
A		Connector – Receptacle	Deutsch	DT	DTM04-12PD-EE04
B	134016	Terminal – Pin		Size 20	0460-202-20141 (nickel), 0460-202-2031 (gold)
C		Lock			WM-12P
		Secondary Lock			
		Seal			
		Mating Connector		DTM06-12SD-EE04	
		Extraction Tool			
		Crimp Tool			
		Cavity Plug			
		Boots/Caps			

12-POSITION CONNECTORS

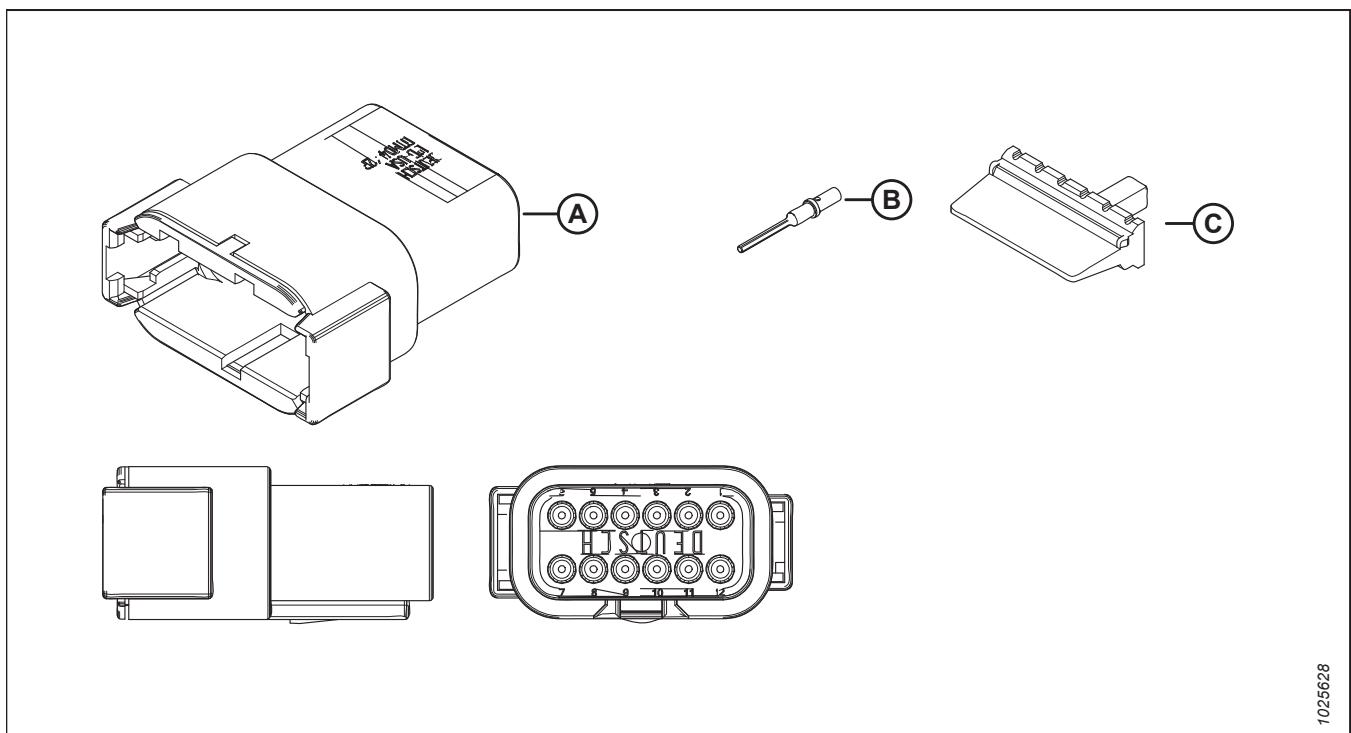
12.28



	MacDon Part #	Description	Manufacturer	Series	Manufacturer Part #
A		Connector – Plug	Deutsch	DT	DTM06-12SD-EE04
B	134017	Terminal – Socket		Size 20	0462-201-20141, (nickel), 0462-201-2031 (gold)
C		Lock			WM-12S
		Secondary Lock			
		Seal			
		Mating Connector		DTM04-12PD-EE04	
		Extraction Tool			
		Crimp Tool			
		Cavity Plug			
		Boots/Caps			

12-POSITION CONNECTORS

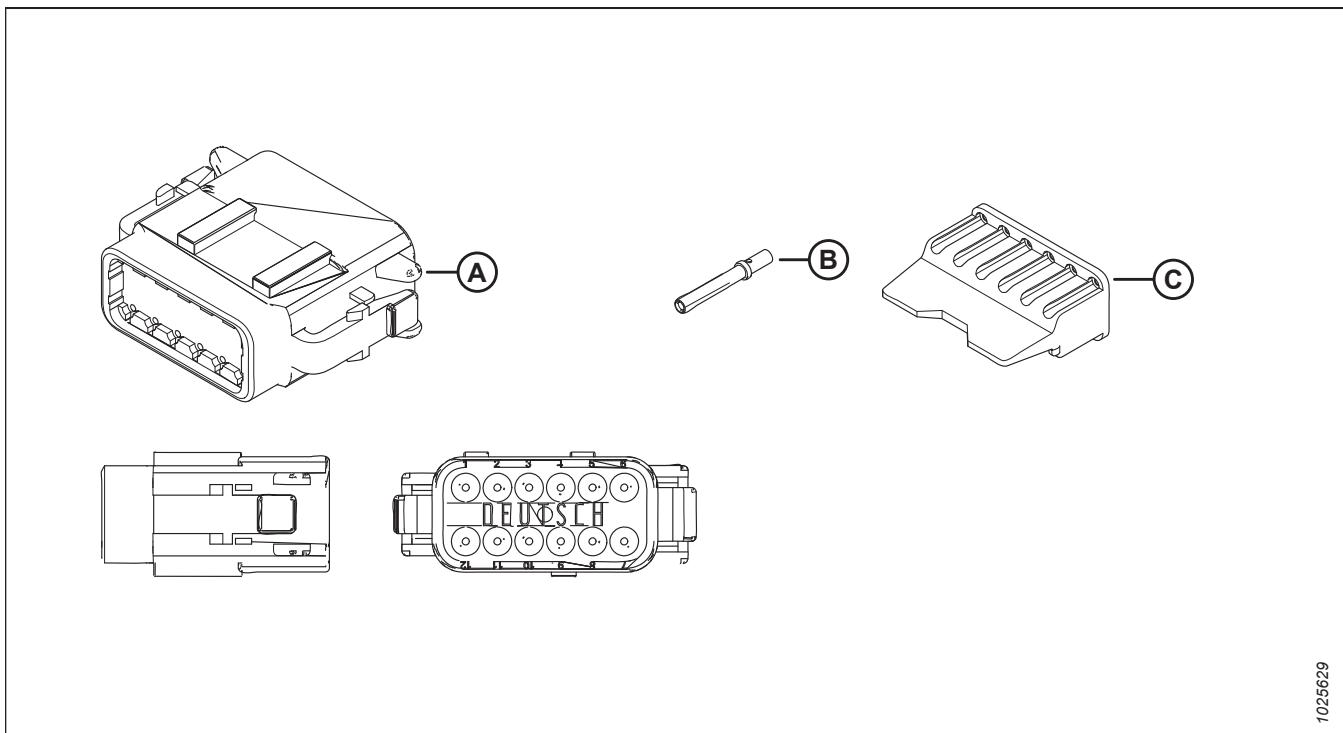
12.29



	MacDon Part #	Description	Manufacturer	Series	Manufacturer Part #
A		Connector – Receptacle	Deutsch	DT	DTM04-12PB
B	134016	Terminal – Pin		Size 20	0460-202-20141 (nickel), 0460-202-2031 (gold)
C		Lock			WM-12P
		Secondary Lock			
		Seal			
		Mating Connector		DTM06-12SB	
		Extraction Tool		DT-RT1	
		Crimp Tool			
		Cavity Plug			
		Boots/Caps		DTM12P-BT, 1011-026-0205, 1027-003-1200	

12-POSITION CONNECTORS

12.30

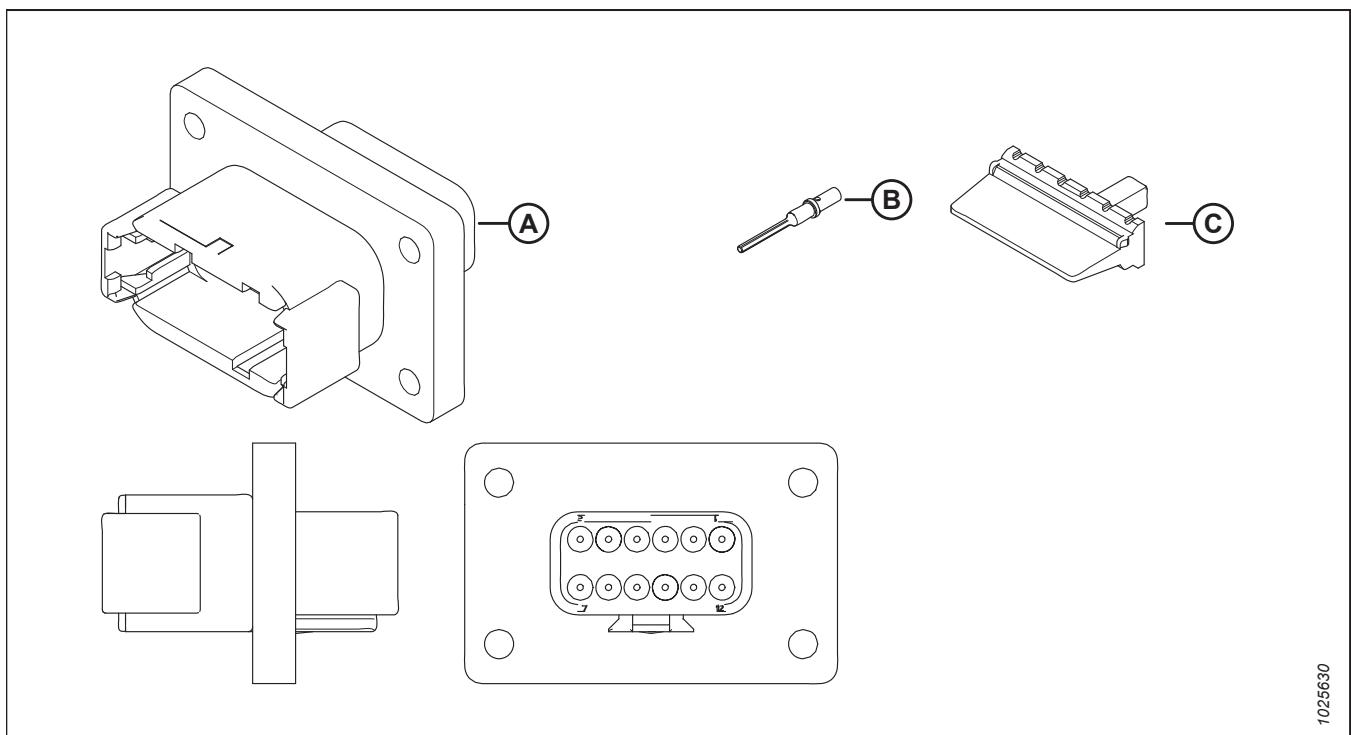


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	MacDon Part #	Description	Manufacturer	Series	Manufacturer Part #
A		Connector – Plug	Deutsch	DT	DTM06-12SB
B	134017	Terminal – Socket		Size 20	0462-201-20141, (nickel), 0462-201-2031 (gold)
C		Lock			WM-12S
		Secondary Lock			
		Seal			
		Mating Connector		DTM04-12PB, DTM13-12PB, DTM15-12PB	
		Extraction Tool			
		Crimp Tool			
		Cavity Plug			
		Boots/Caps			

12-POSITION CONNECTORS

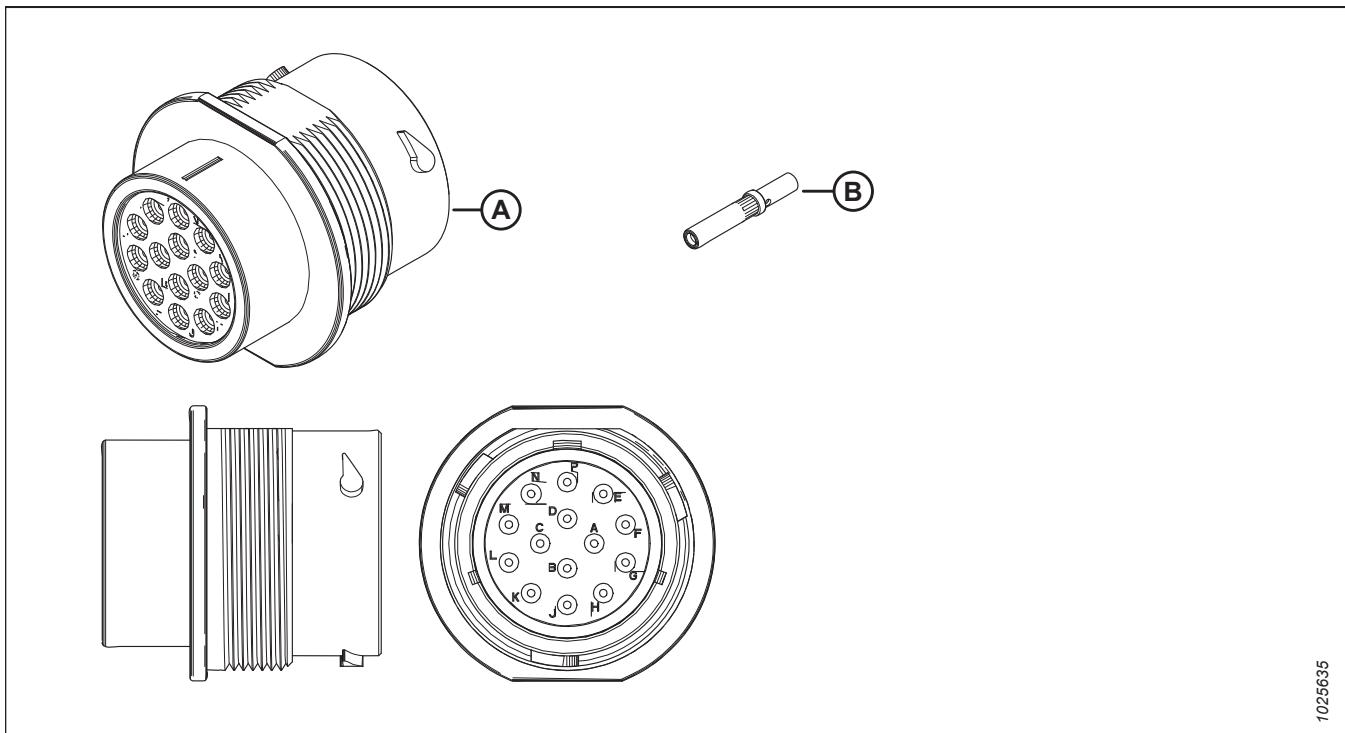
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	MacDon Part #	Description	Manufacturer	Series	Manufacturer Part #
A		Connector – Receptacle	Deutsch	DT	DTM04-12PA-L012
B	134016	Terminal – Pin		Size 20	0460-202-20141 (nickel), 0460-202-2031 (gold)
C		Lock			WM-12P
		Secondary Lock			
		Seal			
		Mating Connector			
		Extraction Tool			
		Crimp Tool			
		Cavity Plug			
		Boots/Caps			

Chapter 13: 14-Position Connectors

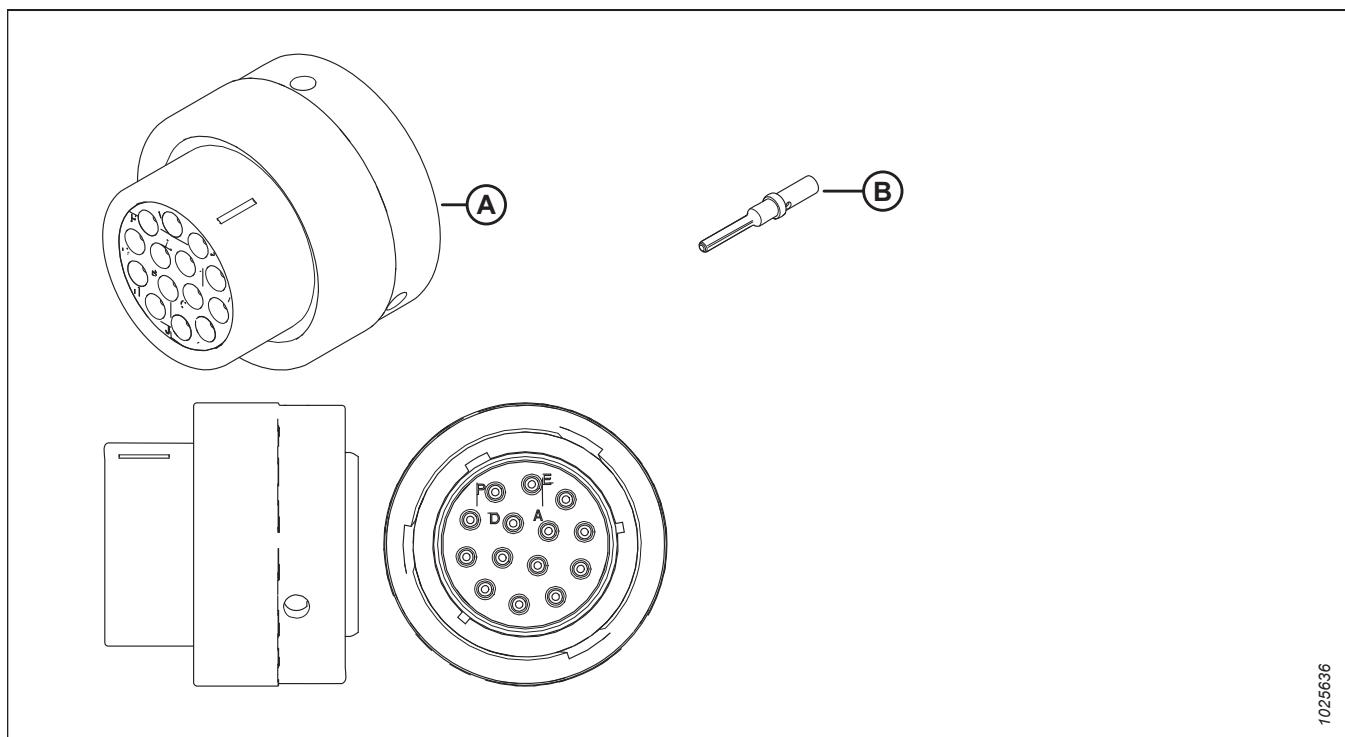
13.1



	MacDon Part #	Description	Manufacturer	Series	Manufacturer Part #
A		Connector – Receptacle	Deutsch	HD30	HD34-18-14SN
B	134026	Terminal – Socket		Size 16	0462-201-16141 (nickel), 0462-201-1631 (gold)
		Lock			
		Secondary Lock			
		Seal			
		Mating Connector		HD36-18-14PN	
		Extraction Tool			
		Crimp Tool			
		Cavity Plug			
		Boots/Caps		HD30-18BT, 114020-90, 114021	

14-POSITION CONNECTORS

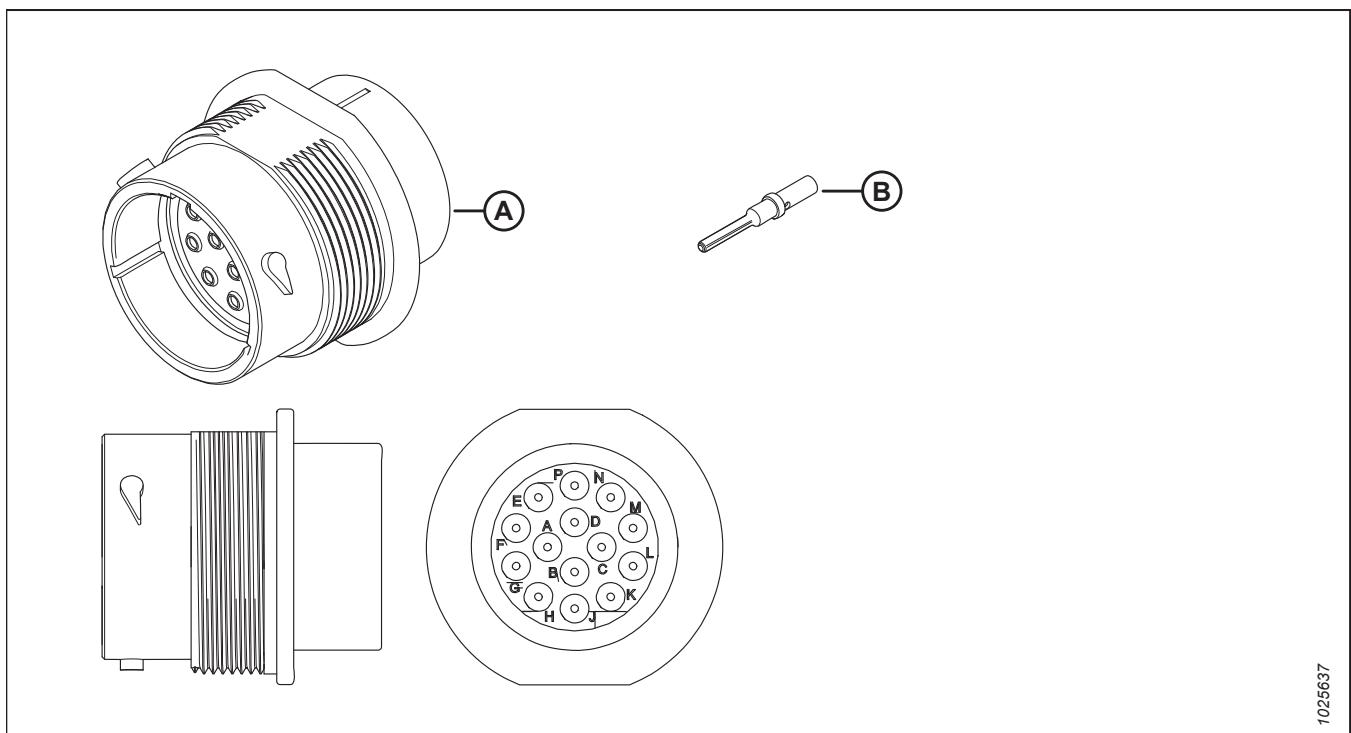
13.2



	MacDon Part #	Description	Manufacturer	Series	Manufacturer Part #
A		Connector – Plug	Deutsch	HDP20	HDP26-18-14PE
B	134023	Terminal – Pin		Size 16	0460-202-16141 (nickel), 0460-202-1631 (gold)
		Lock			
		Secondary Lock			
		Seal			
		Mating Connector		HDP24-18-14SE	
		Extraction Tool		0411-336-1605	
		Crimp Tool			
		Cavity Plug		114017	
		Boots/Caps		HD30-18BT-90-BK, HD30-18BT-BK	

14-POSITION CONNECTORS

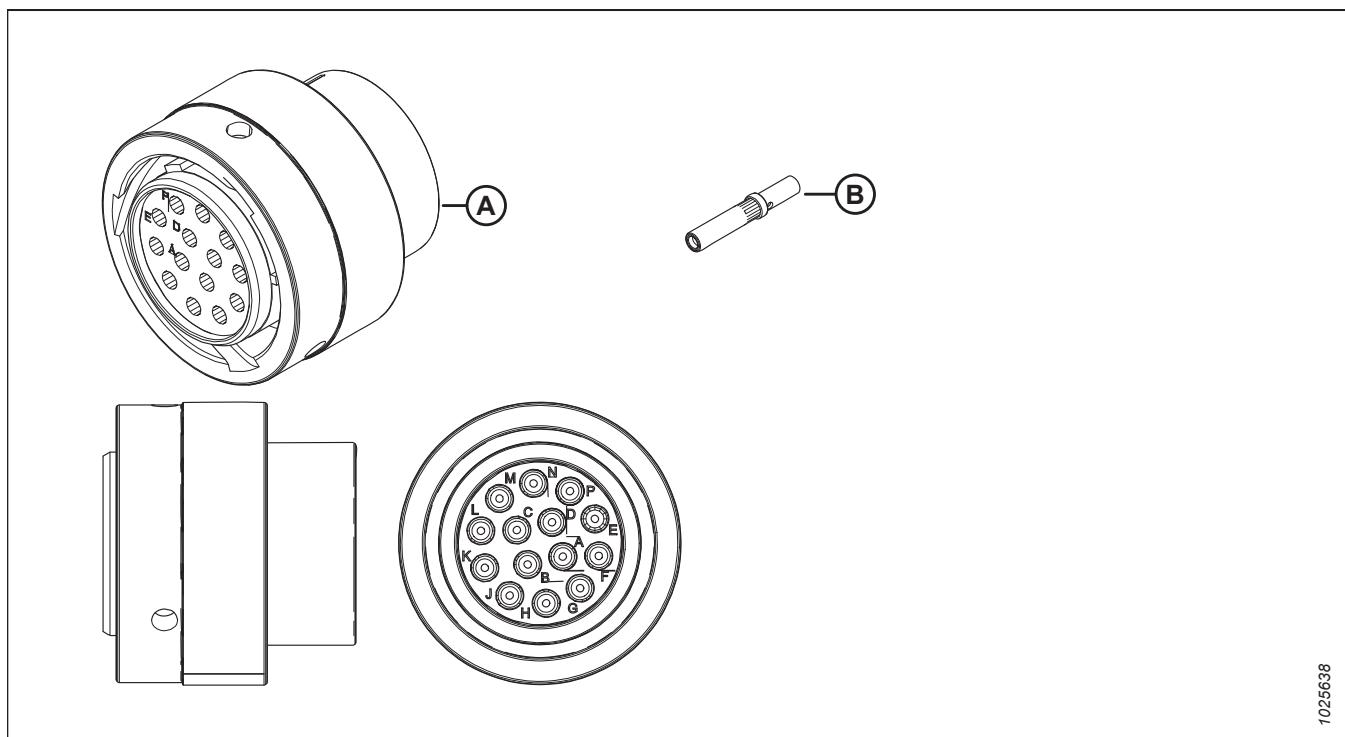
13.3



	MacDon Part #	Description	Manufacturer	Series	Manufacturer Part #
A		Connector – Receptacle	Deutsch	HDP20	HDP24-18-14PE
B	134023	Terminal – Pin		Size 16	0460-202-16141 (nickel), 0460-202-1631 (gold)
		Lock			
		Secondary Lock			
		Seal			
		Mating Connector			HDP26-18-14SE
		Extraction Tool			
		Crimp Tool			
		Cavity Plug			
		Boots/Caps			HD30-18BT-BK, 2411-002-1805, 2414-002-1886, HDC26-18

14-POSITION CONNECTORS

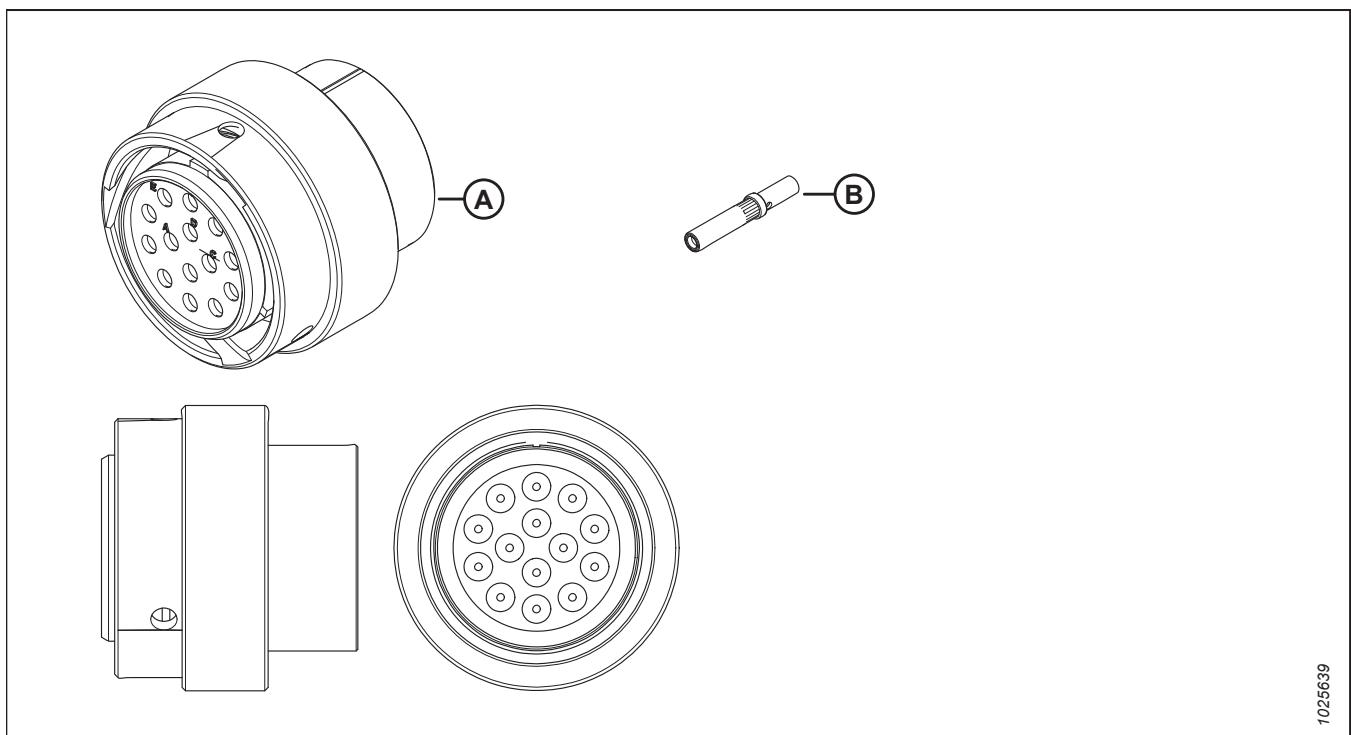
13.4



	MacDon Part #	Description	Manufacturer	Series	Manufacturer Part #
A		Connector – Plug	Deutsch	HDP20	HDP26-18-14SE
B	134026	Terminal – Socket		Size 16	0462-201-16141 (nickel), 0462-201-1631 (gold)
		Lock			
		Secondary Lock			
		Seal			
		Mating Connector			HDP24-18-14PE
		Extraction Tool			0411-336-1605
		Crimp Tool			
		Cavity Plug			114017
		Boots/Caps			HD30-18BT-BK, HD30-18BT-90-BK

14-POSITION CONNECTORS

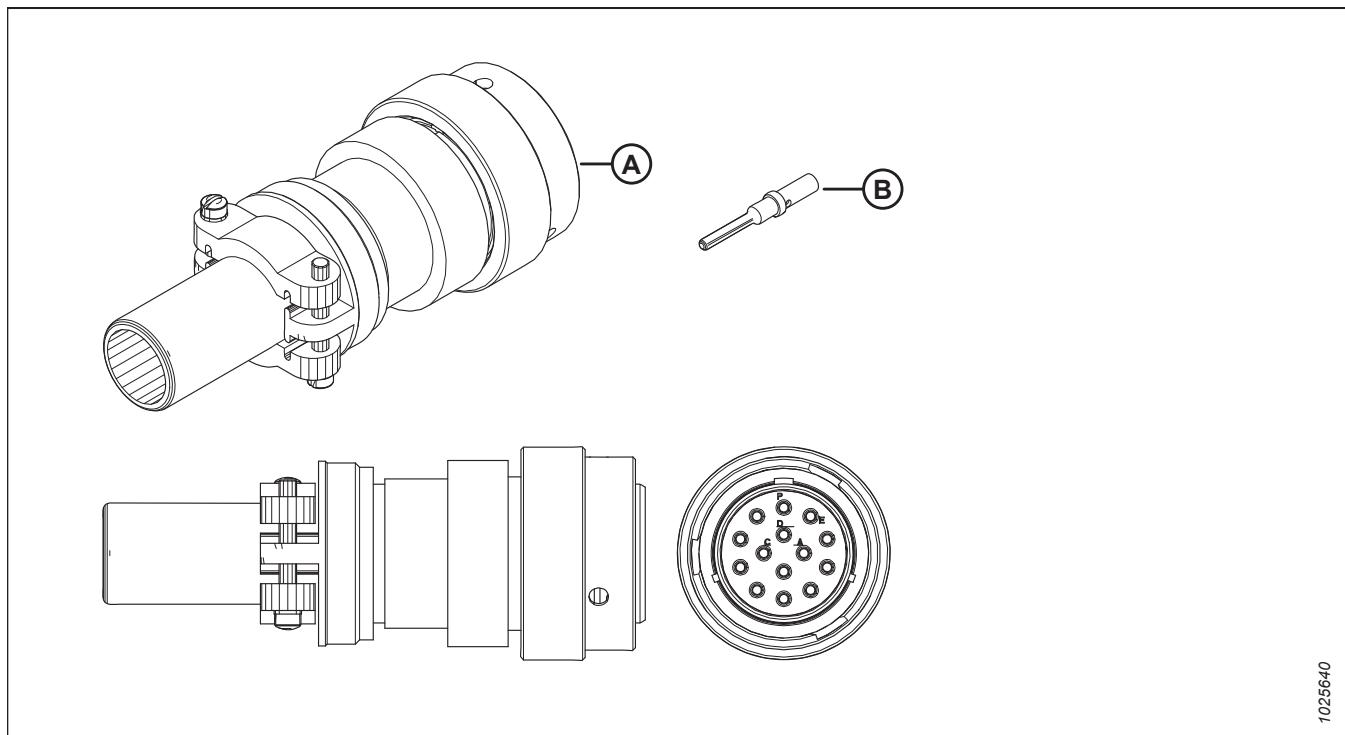
13.5



	MacDon Part #	Description	Manufacturer	Series	Manufacturer Part #
A		Connector – Plug	Deutsch	HD30	HD36-18-14SE
B	134026	Terminal – Socket		Size 16	0462-201-16141 (nickel), 0462-201-1631 (gold)
		Lock			
		Secondary Lock			
		Seal			
		Mating Connector			
		Extraction Tool			
		Crimp Tool			
		Cavity Plug			
		Boots/Caps			

14-POSITION CONNECTORS

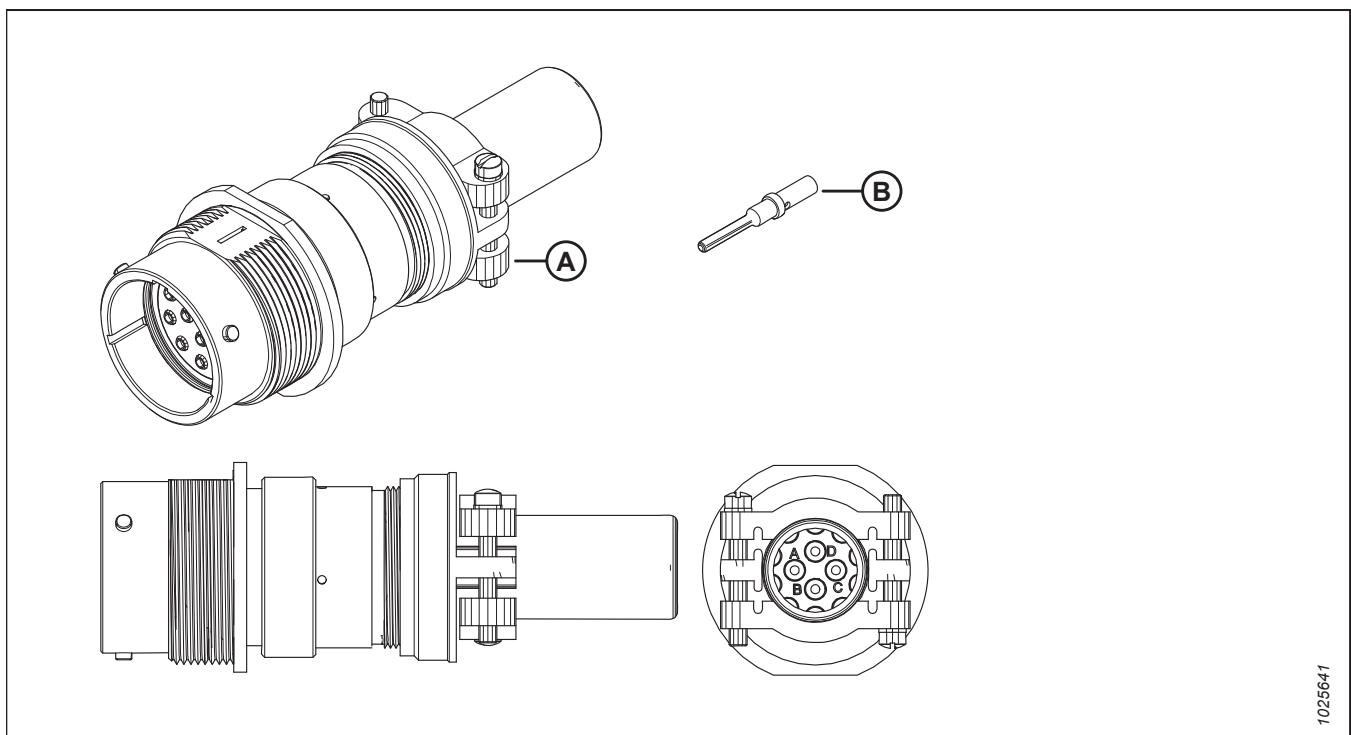
13.6



	MacDon Part #	Description	Manufacturer	Series	Manufacturer Part #
A		Connector – Plug	Deutsch	HD30	HD36-18-14PN-059
B	134023	Terminal – Pin		Size 16	0460-202-16141 (nickel), 0460-202-1631 (gold)
		Lock			
		Secondary Lock			
		Seal			
		Mating Connector			
		Extraction Tool			
		Crimp Tool			
		Cavity Plug			
		Boots/Caps			

14-POSITION CONNECTORS

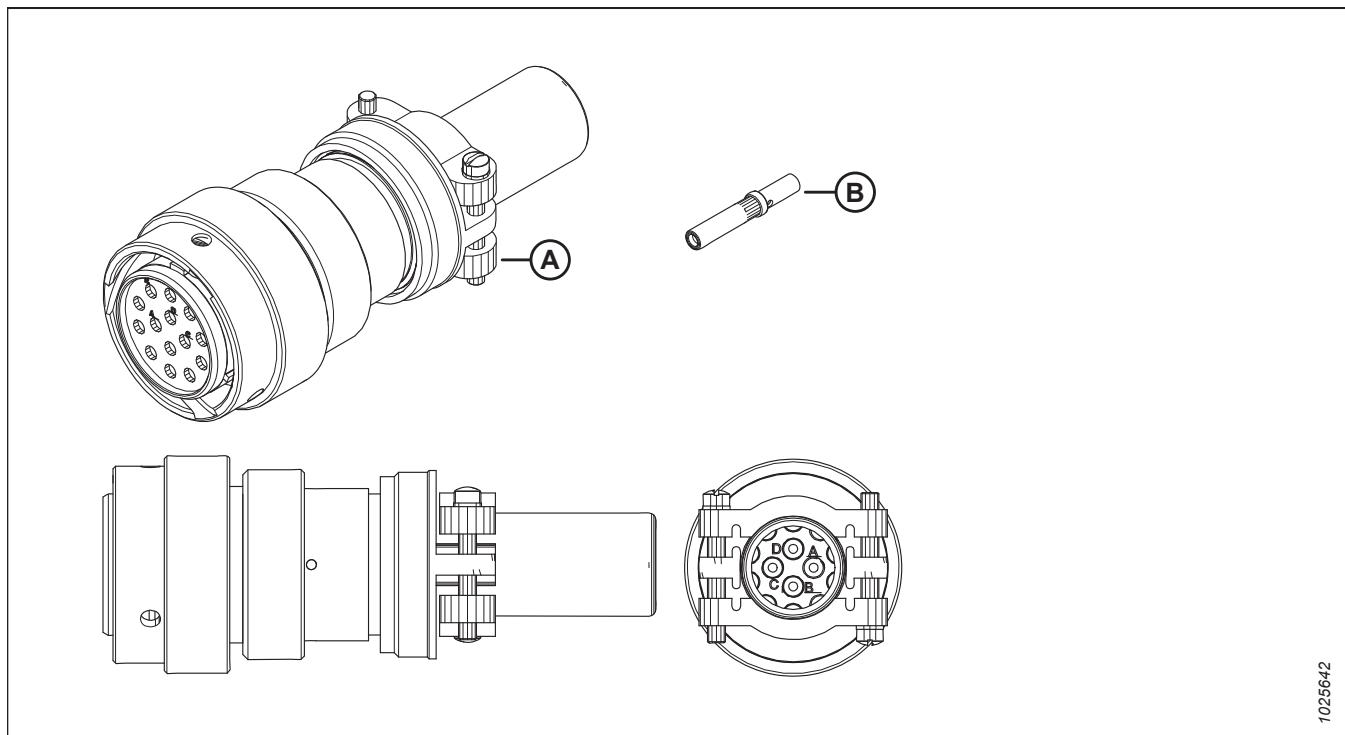
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	MacDon Part #	Description	Manufacturer	Series	Manufacturer Part #
A		Connector – Receptacle	Deutsch	HD30	HD34-18-14PN-059
B	134023	Terminal – Pin		Size 16	0460-202-16141 (nickel), 0460-202-1631 (gold)
		Lock			
		Secondary Lock			
		Seal			
		Mating Connector			
		Extraction Tool			
		Crimp Tool			
		Cavity Plug			
		Boots/Caps			

14-POSITION CONNECTORS

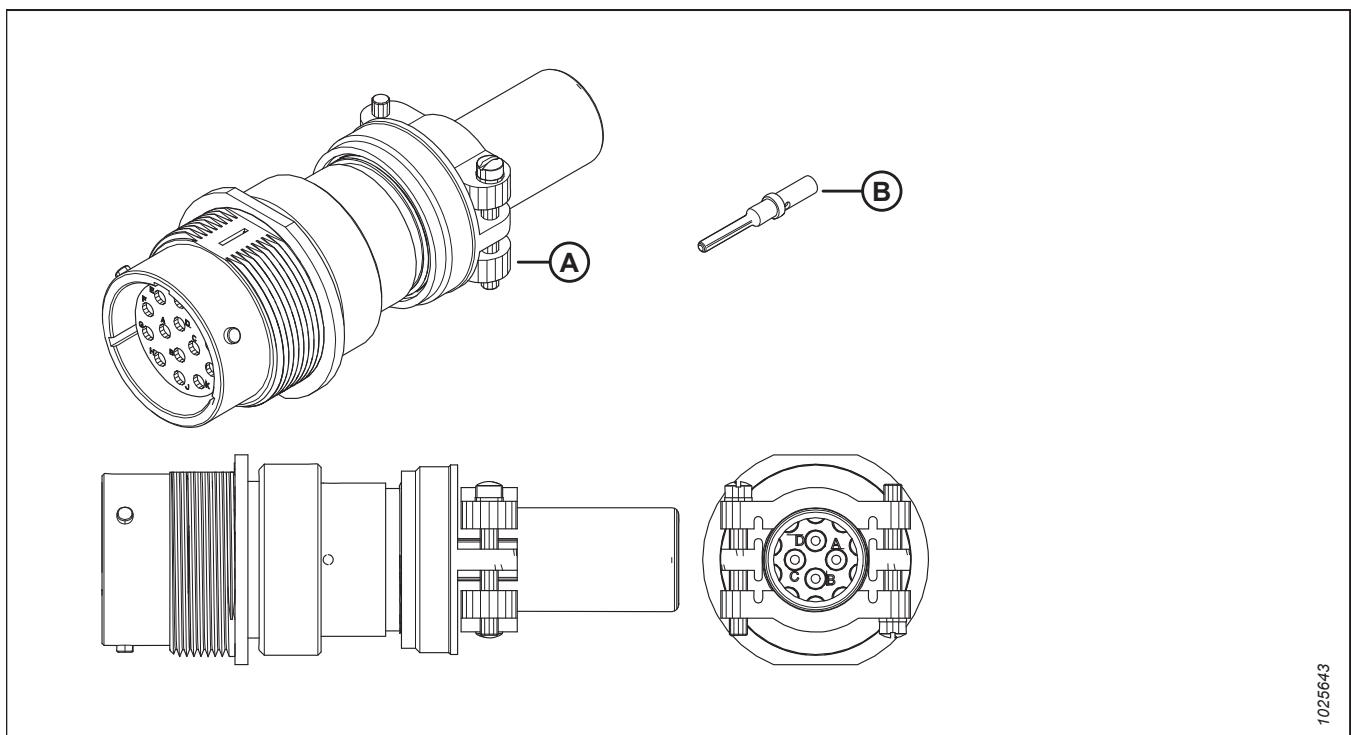
13.8



	MacDon Part #	Description	Manufacturer	Series	Manufacturer Part #
A		Connector – Plug	Deutsch	HD30	HD36-18-14SN-059
B	134026	Terminal – Socket		Size 16	0462-201-16141 (nickel), 0462-201-1631 (gold)
		Lock			
		Secondary Lock			
		Seal			
		Mating Connector			
		Extraction Tool			
		Crimp Tool			
		Cavity Plug			
		Boots/Caps			

14-POSITION CONNECTORS

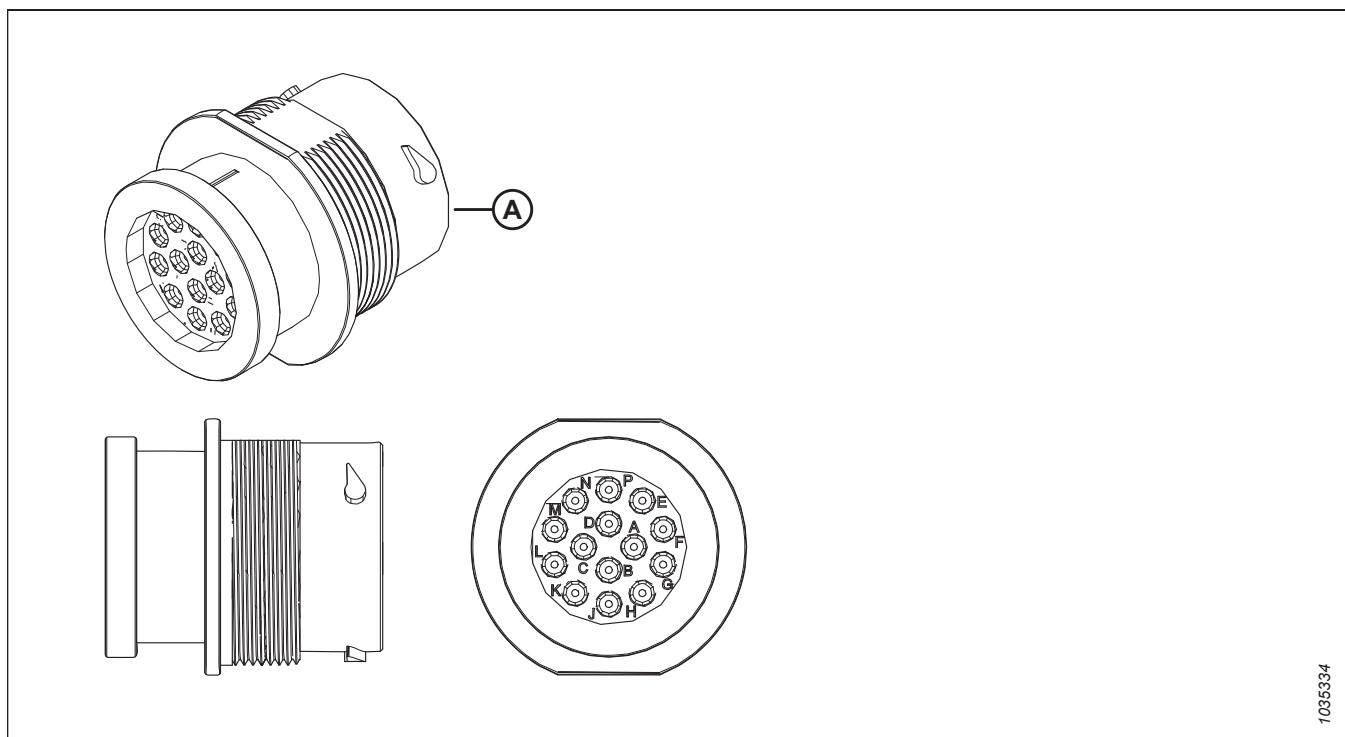
13.9



	MacDon Part #	Description	Manufacturer	Series	Manufacturer Part #
A		Connector – Receptacle	Deutsch	HD30	HD34-18-14SN-059
B	134023	Terminal – Pin		Size 16	0460-202-16141 (nickel), 0460-202-1631 (gold)
		Lock			
		Secondary Lock			
		Seal			
		Mating Connector			
		Extraction Tool			
		Crimp Tool			
		Cavity Plug			
		Boots/Caps			

14-POSITION CONNECTORS

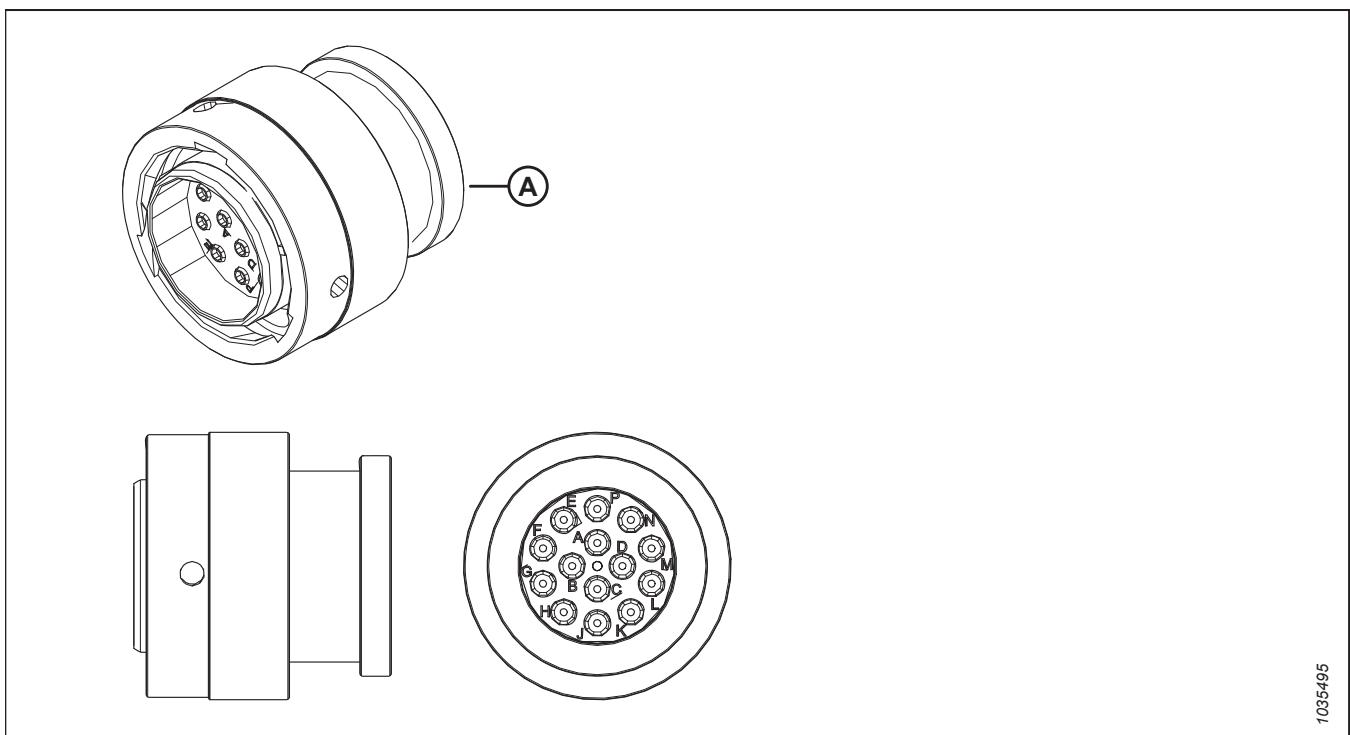
13.10



	MacDon Part #	Description	Manufacturer	Series	Manufacturer Part #
A		Connector – Receptacle	Deutsch	HDP20	HDP24-18-14SE-L017
B		Terminal			
		Lock			
		Secondary Lock			
		Seal			
		Mating Connector			
		Extraction Tool			
		Crimp Tool			
		Cavity Plug			
		Boots/Caps			

14-POSITION CONNECTORS

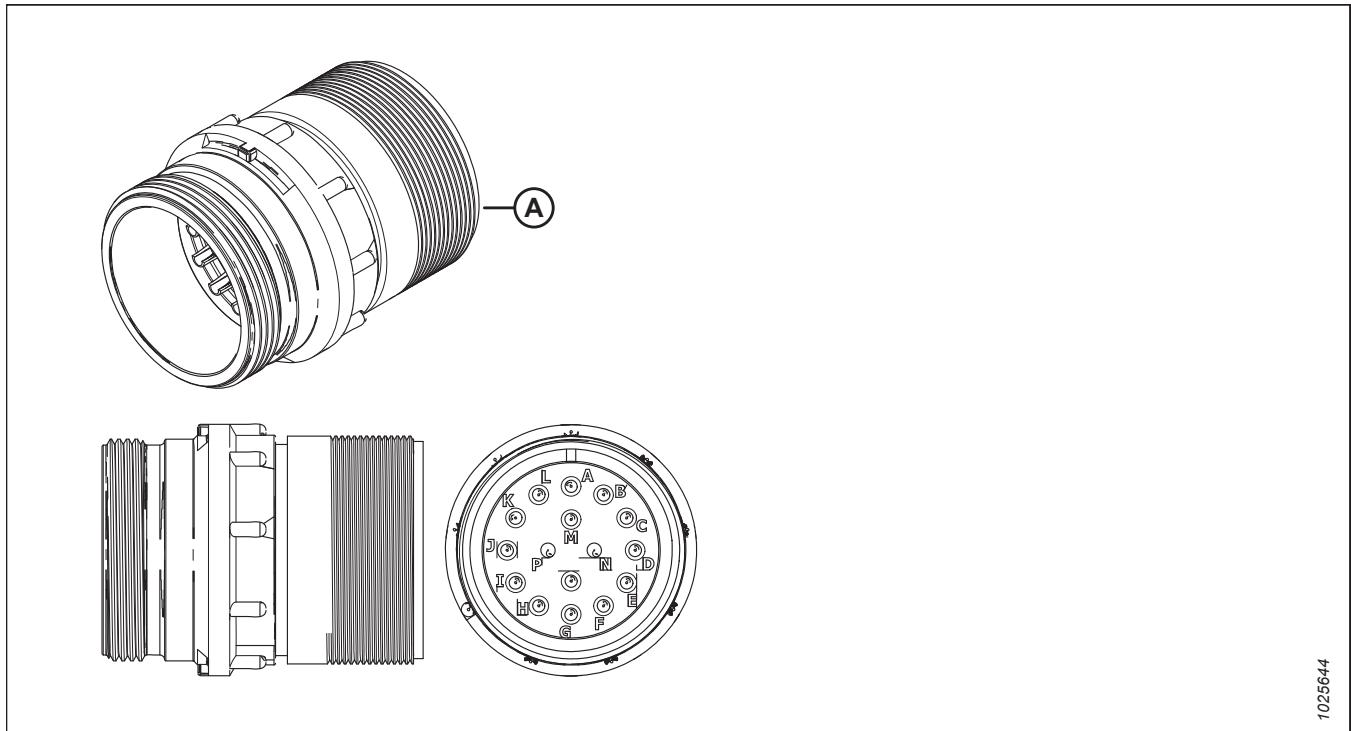
13.11



	MacDon Part #	Description	Manufacturer	Series	Manufacturer Part #
A		Connector – Plug	Deutsch	HDP20	HDP26-18-14PE-L017
B		Terminal			
		Lock			
		Secondary Lock			
		Seal			
		Mating Connector			
		Extraction Tool			
		Crimp Tool			
		Cavity Plug			
		Boots/Caps			

Chapter 14: 16-Position Connectors

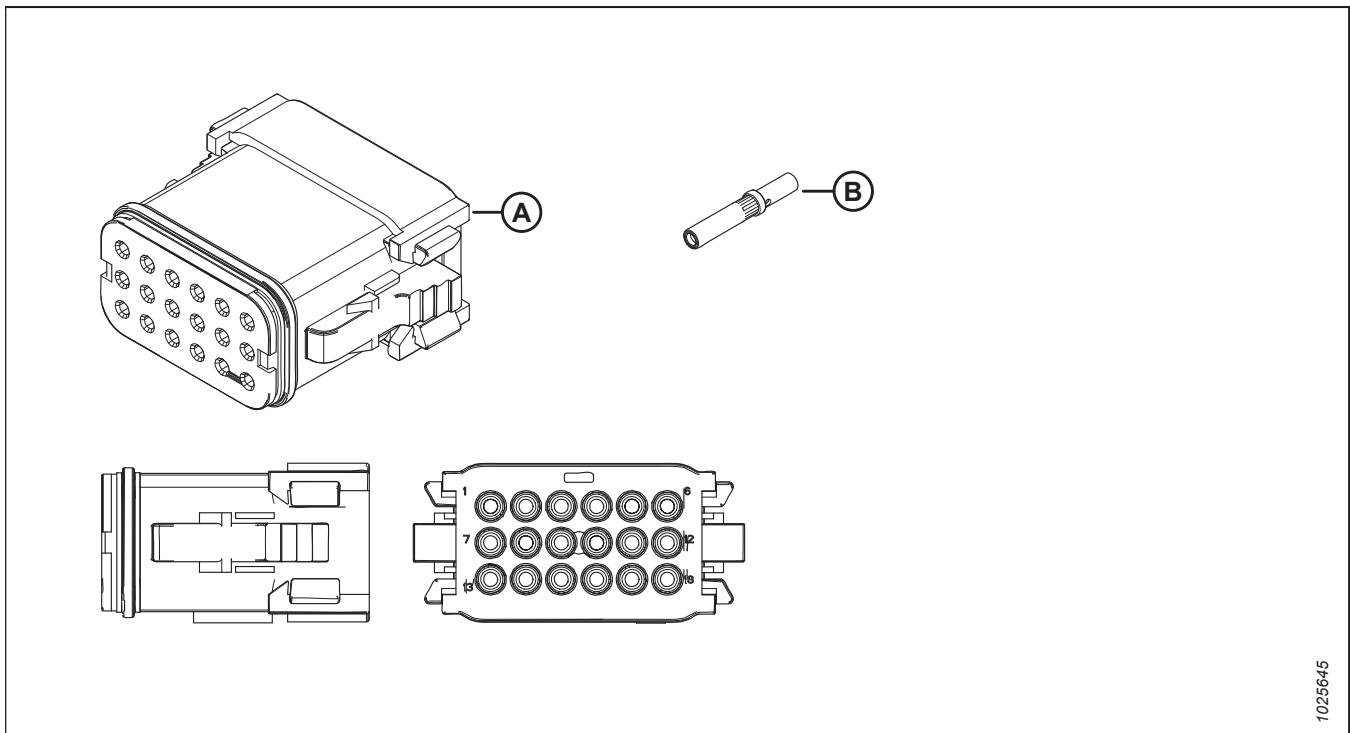
14.1



	MacDon Part #	Description	Manufacturer	Series	Manufacturer Part #
A		Connector	Amphenol		97-3101A-24-7P
		Terminal			
		Lock			
		Secondary Lock			
		Seal			
		Mating Connector			
		Extraction Tool			
		Crimp Tool			
		Cavity Plug			
		Boots/Caps			

Chapter 15: 18-Position Connectors

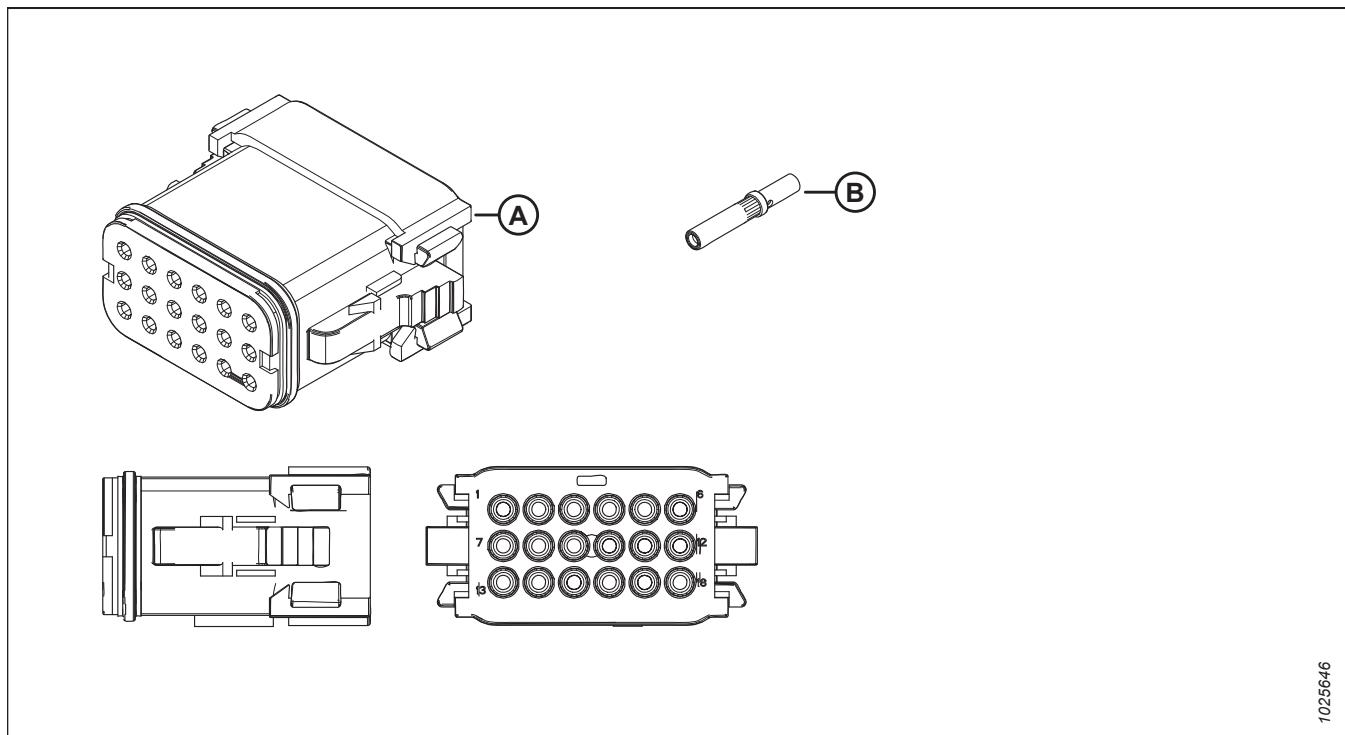
15.1



	MacDon Part #	Description	Manufacturer	Series	Manufacturer Part #
A	134588	Connector – Plug	Deutsch	DT	DT16-18SA-K004
B	134026	Terminal – Socket		Size 16	0462-201-16141 (nickel), 0462-201-1631 (gold)
		Lock			
		Secondary Lock			
		Seal			
		Mating Connector			
		Extraction Tool			0411-336-1605
		Crimp Tool			
		Cavity Plug			114017
		Boots/Caps			1011-349-1205

18-POSITION CONNECTORS

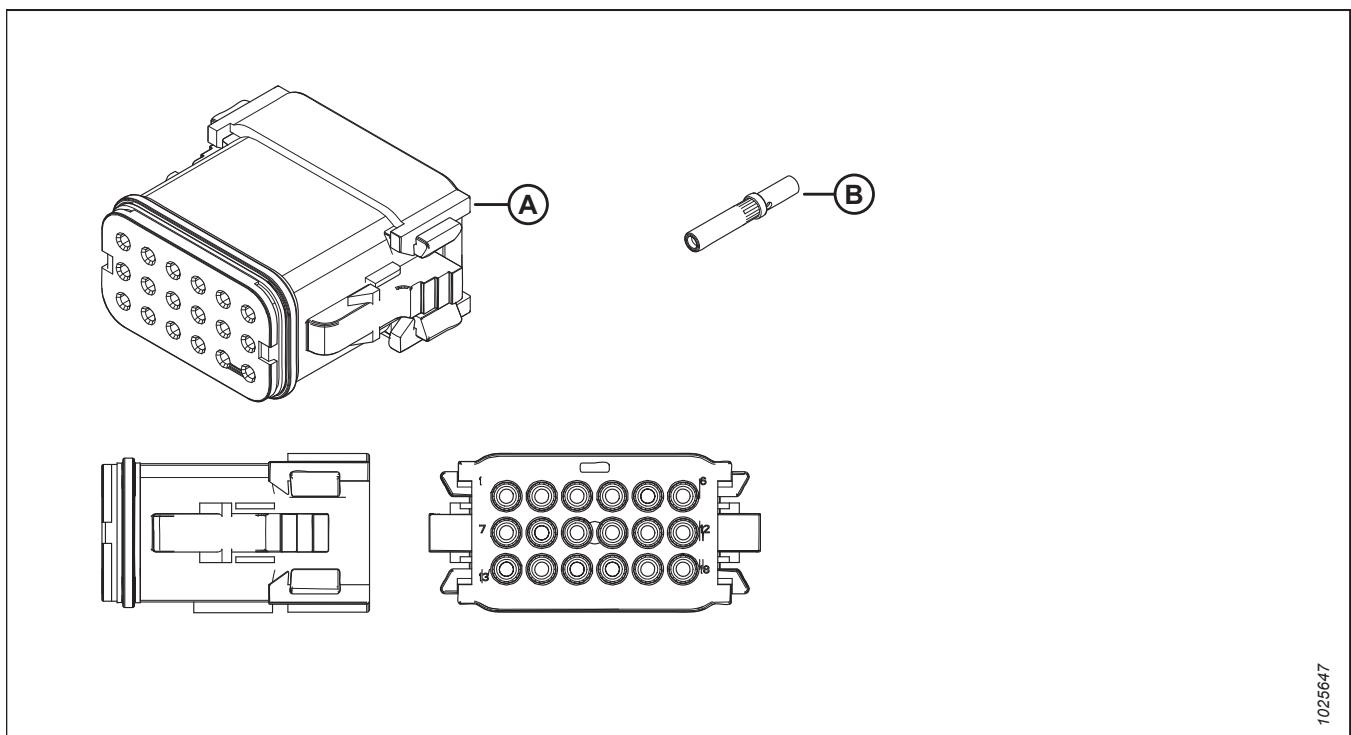
15.2



	MacDon Part #	Description	Manufacturer	Series	Manufacturer Part #
A	134589	Connector – Plug	Deutsch	DT	DT16-18SB-K004
B	134026	Terminal – Socket		Size 16	0462-201-16141 (nickel), 0462-201-1631 (gold)
		Lock			
		Secondary Lock			
		Seal			
		Mating Connector			
		Extraction Tool			0411-336-1605
		Crimp Tool			
		Cavity Plug			114017
		Boots/Caps			1011-349-1205

18-POSITION CONNECTORS

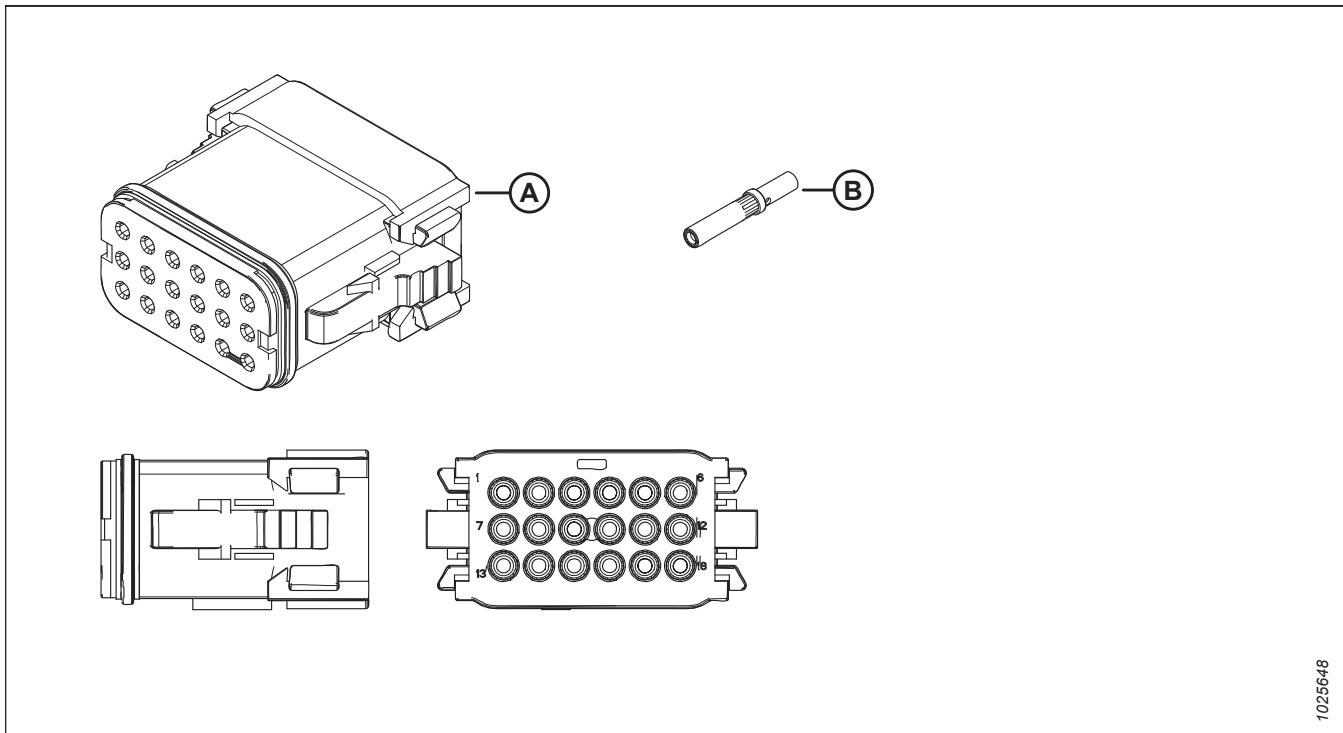
15.3



	MacDon Part #	Description	Manufacturer	Series	Manufacturer Part #
A	134590	Connector – Plug	Deutsch	DT	DT16-18SC-K004
B	134026	Terminal – Socket		Size 16	0462-201-16141 (nickel), 0462-201-1631 (gold)
		Lock			
		Secondary Lock			
		Seal			
		Mating Connector			
		Extraction Tool			0411-336-1605
		Crimp Tool			
		Cavity Plug			114017
		Boots/Caps			1011-349-1205

18-POSITION CONNECTORS

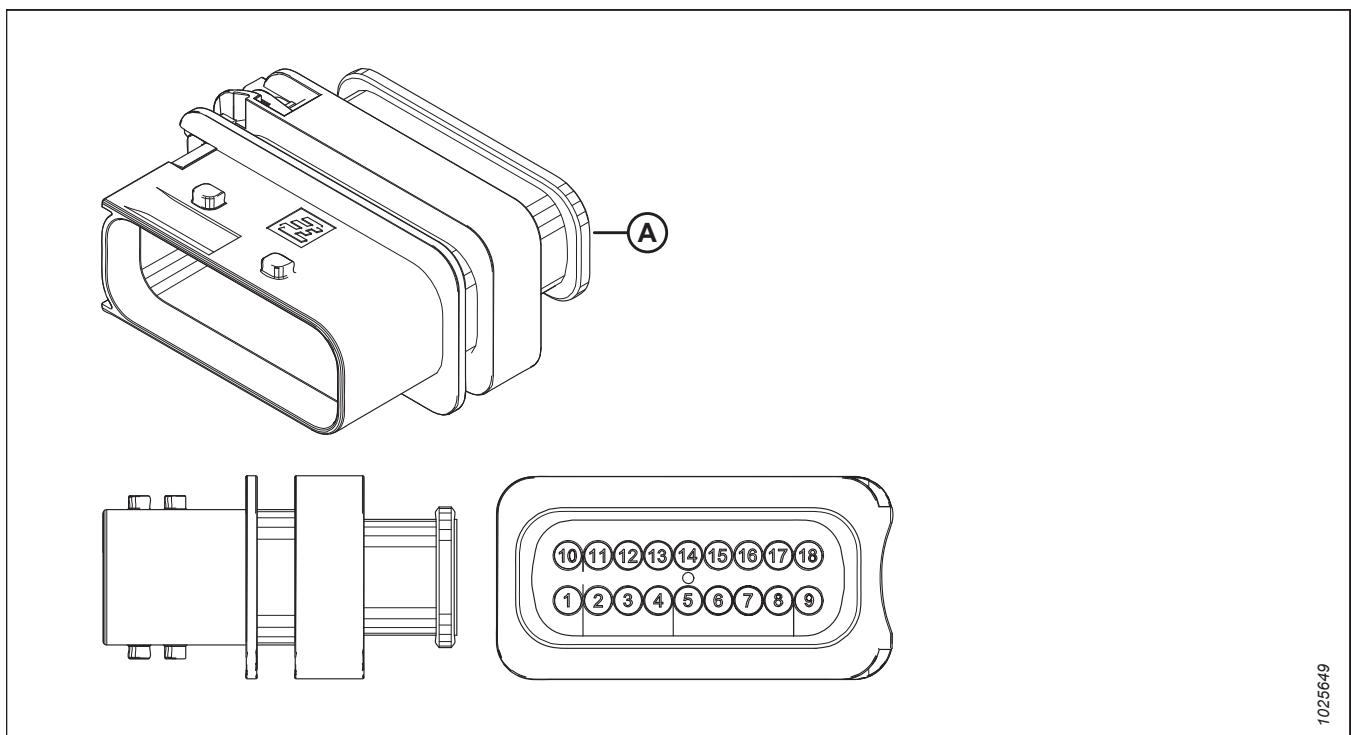
15.4



	MacDon Part #	Description	Manufacturer	Series	Manufacturer Part #
A	134591	Connector – Plug	Deutsch	DT	DT16-18SD-K004
B	134026	Terminal – Socket		Size 16	0462-201-16141 (nickel), 0462-201-1631 (gold)
		Lock			
		Secondary Lock			
		Seal			
		Mating Connector			
		Extraction Tool			0411-336-1605
		Crimp Tool			
		Cavity Plug			114017
		Boots/Caps			1011-349-1205

18-POSITION CONNECTORS

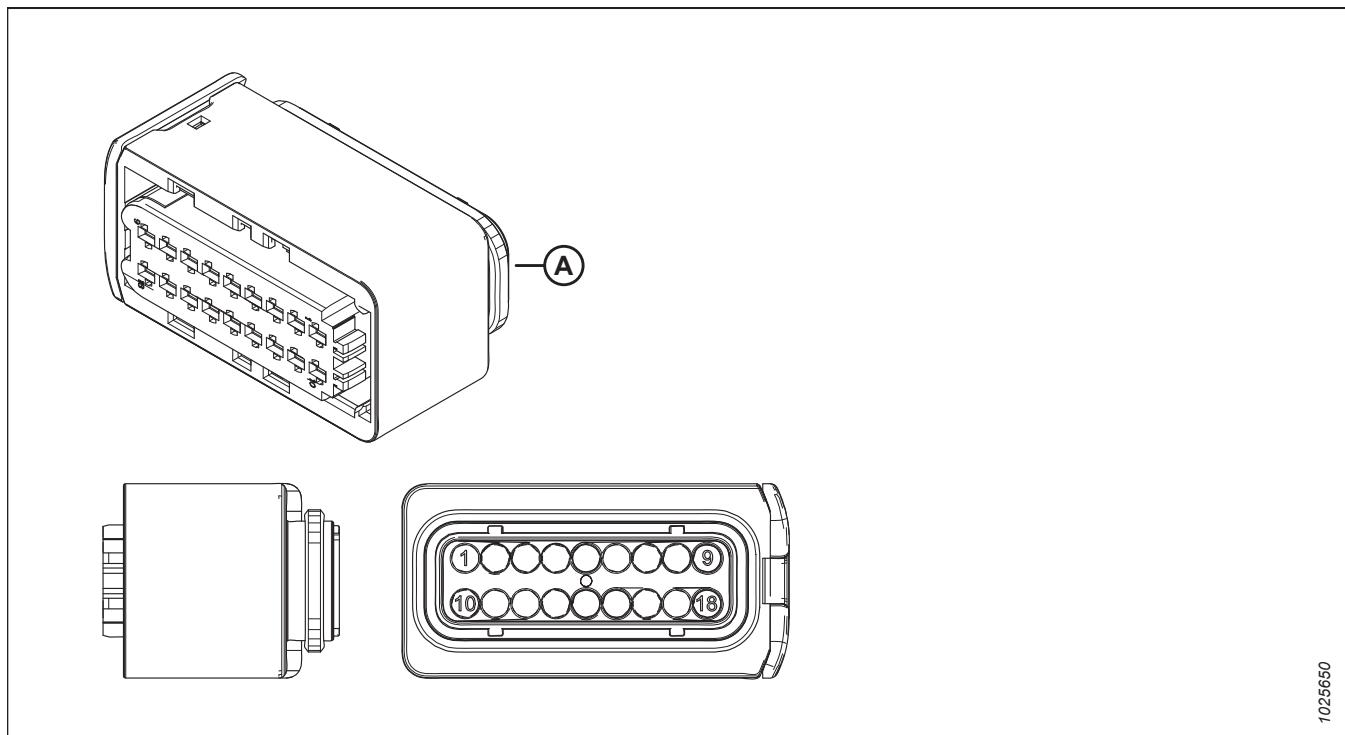
15.5



	MacDon Part #	Description	Manufacturer	Series	Manufacturer Part #
A		Connector – Plug	Tyco		1-1564412-1
		Terminal			
		Lock			
		Secondary Lock			
		Seal			
		Mating Connector			
		Extraction Tool			
		Crimp Tool			
		Cavity Plug			
		Boots/Caps			

18-POSITION CONNECTORS

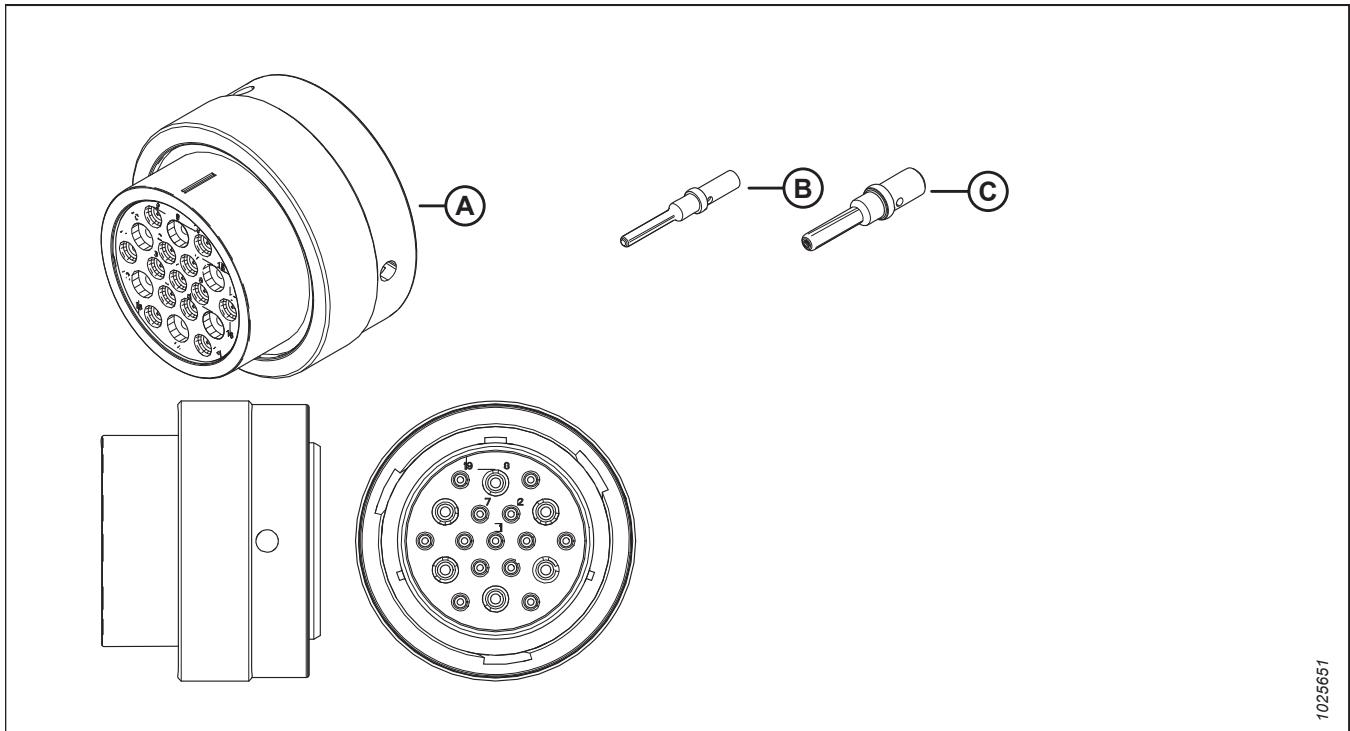
15.6



	MacDon Part #	Description	Manufacturer	Series	Manufacturer Part #
A		Connector – Receptacle	Tyco		1-1563759-1
		Terminal			
		Lock			
		Secondary Lock			
		Seal			
		Mating Connector			
		Extraction Tool			
		Crimp Tool			
		Cavity Plug			
		Boots/Caps			

Chapter 16: 19-Position Connectors

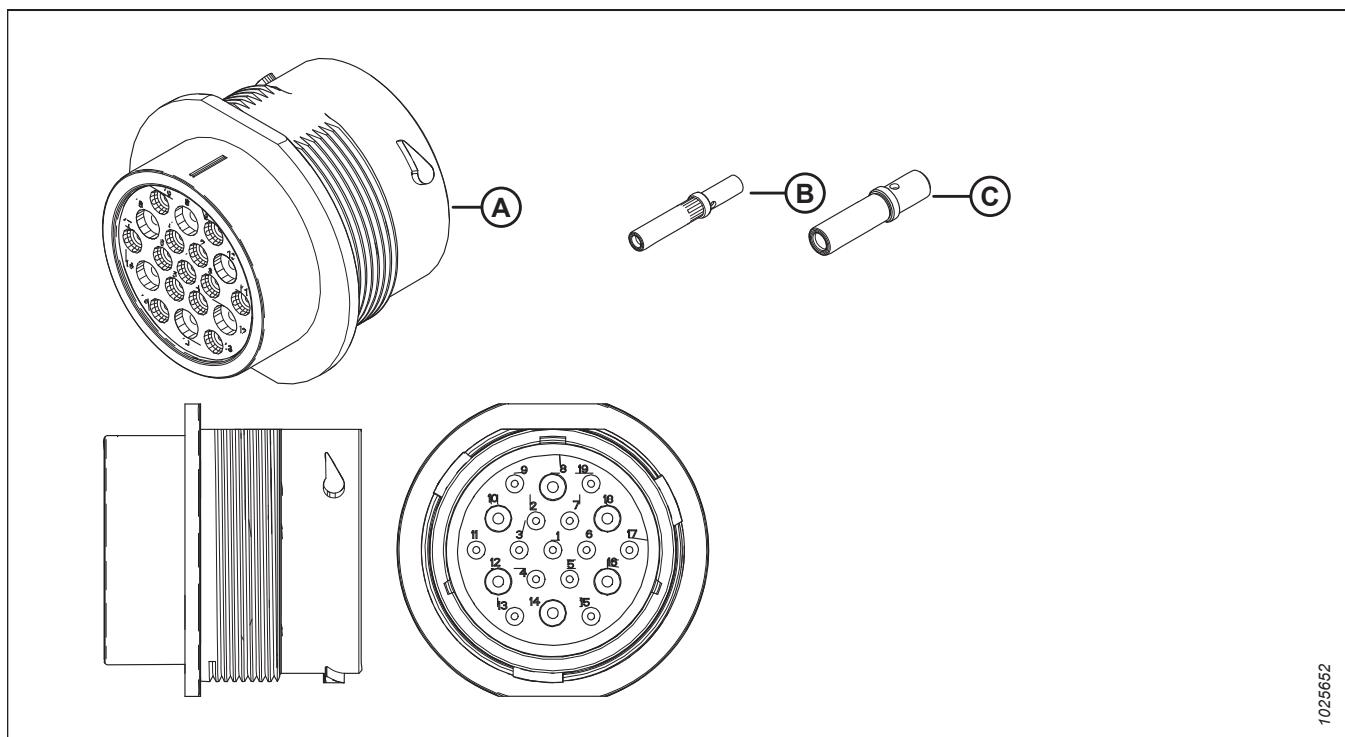
16.1



	MacDon Part #	Description	Manufacturer	Series	Manufacturer Part #
A		Connector – Plug	Deutsch	HD30	HD36-24-19PE
B	134023	Terminal – Pin		Size 16	0460-202-16141 (nickel), 0460-202-1631 (gold)
C	134024	Terminal – Pin		Size 12	0460-204-12141 (nickel), 0460-220-1231 (gold)
		Seal			
		Mating Connector		HD34-24-19SE	
		Extraction Tool			
		Crimp Tool			
		Cavity Plug			
		Boots/Caps		HD30-24BT, HDC34-24, WHDS-24-1, WHDS-24-2	

19-POSITION CONNECTORS

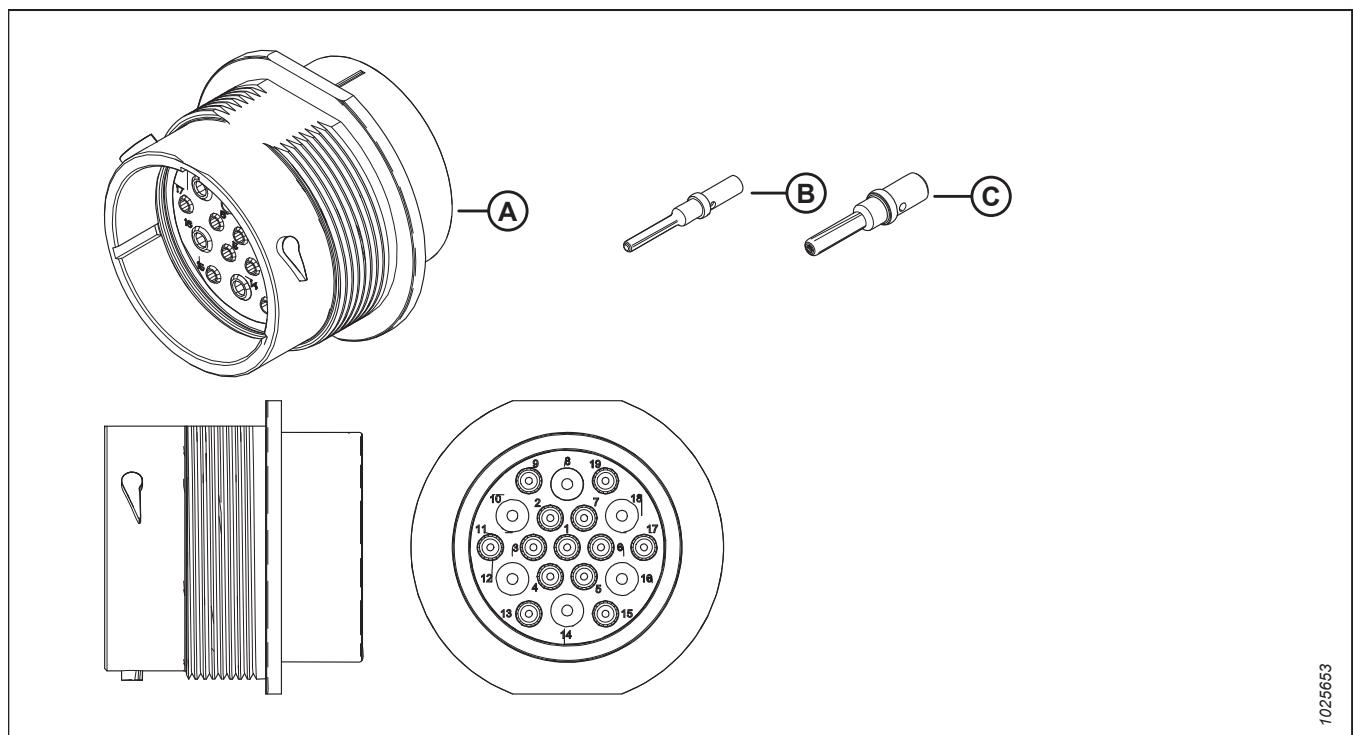
16.2



	MacDon Part #	Description	Manufacturer	Series	Manufacturer Part #
A		Connector – Receptacle	Deutsch	HD30	HD34-24-19SE
B	134026	Terminal – Socket		Size 16	0462-201-16141 (nickel), 0462-201-1631 (gold)
C	134027	Terminal – Socket		Size 12	0462-203-12141 (nickel), 0462-210-1231 (gold)
		Lock			
		Secondary Lock			
		Seal			
		Mating Connector		HD36-24-19PE	
		Extraction Tool			
		Crimp Tool			
		Boots/Caps		HD30-24BT, 112263-90, 112264, HDC36-24	

19-POSITION CONNECTORS

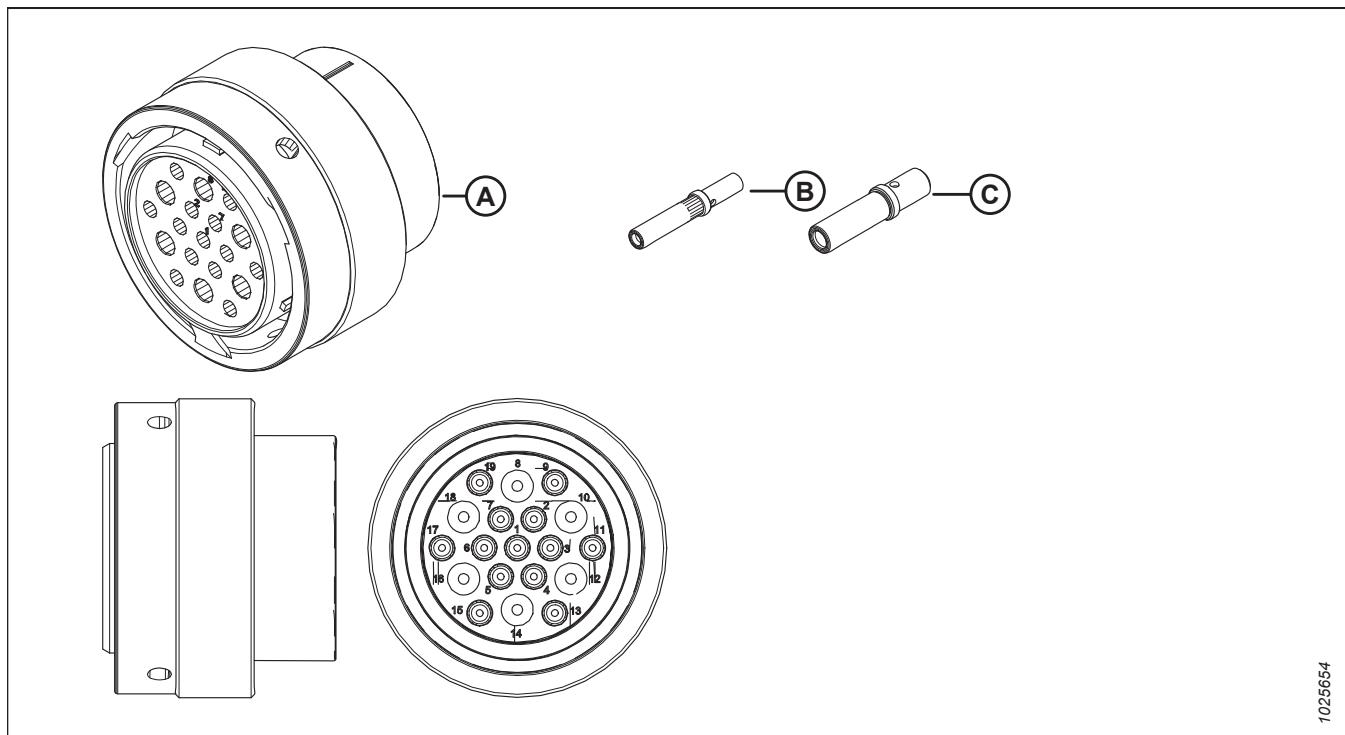
16.3



	MacDon Part #	Description	Manufacturer	Series	Manufacturer Part #
A		Connector – Receptacle	Deutsch	HD30	HD34-24-19PE
B	134023	Terminal – Pin		Size 16	0460-202-16141 (nickel), 0460-202-1631 (gold)
C	134024	Terminal – Pin		Size 12	0460-204-12141 (nickel), 0460-220-1231 (gold)
		Lock			
		Secondary Lock			
		Seal			
		Mating Connector		HD36-24-19SE	
		Extraction Tool			
		Crimp Tool			
		Boots/Caps		HD30-24BT, 112263-90, 112264, HDC36-24	

19-POSITION CONNECTORS

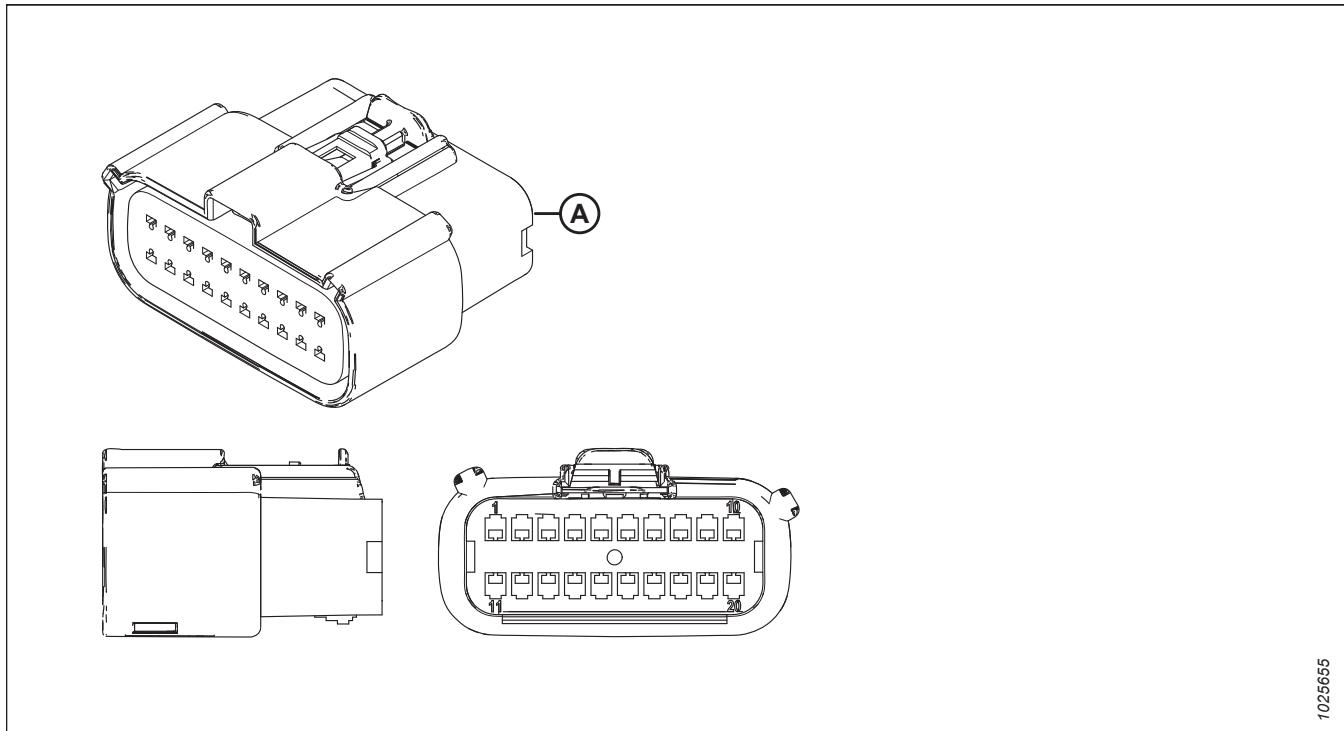
16.4



	MacDon Part #	Description	Manufacturer	Series	Manufacturer Part #
A		Connector – Plug	Deutsch	HD30	HD36-24-19SE
B	134026	Terminal – Socket		Size 16	0462-201-16141 (nickel), 0462-201-1631 (gold)
C	134027	Terminal – Socket		Size 12	0462-203-12141 (nickel), 0462-210-1231 (gold)
		Lock			
		Secondary Lock			
		Seal			
		Mating Connector		HD34-24-19PE	
		Extraction Tool			
		Crimp Tool			
		Boots/Caps		HD30-24BT, HDC34-24, WHDS-24-1, WHDS-24-2	

Chapter 17: 20-Position Connectors

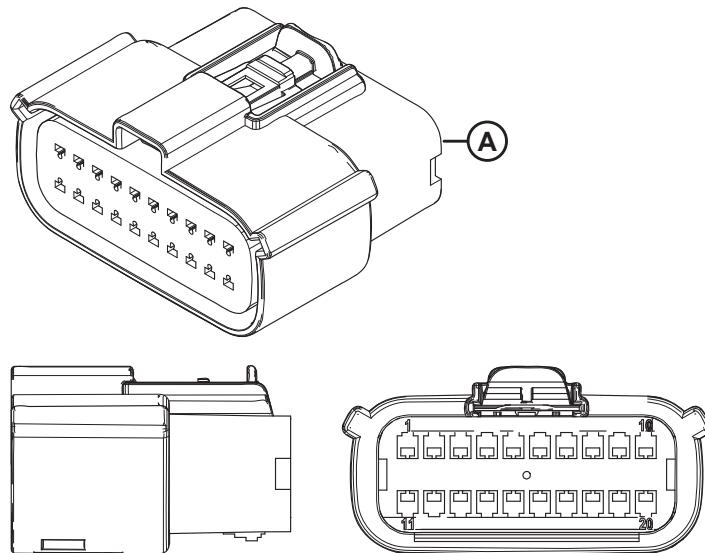
17.1



	MacDon Part #	Description	Manufacturer	Series	Manufacturer Part #
A	134389	Connector – Plug (LIGHT GRAY Housing)	Molex	MX150™ Female Terminal	33472-2007
		Terminal			33012
		Lock			
		Secondary Lock			
		Seal			
		Mating Connector		33482	
		Extraction Tool			
		Crimp Tool			
		Cavity Plug		34345-0001	
		Boots/Caps			

20-POSITION CONNECTORS

17.2

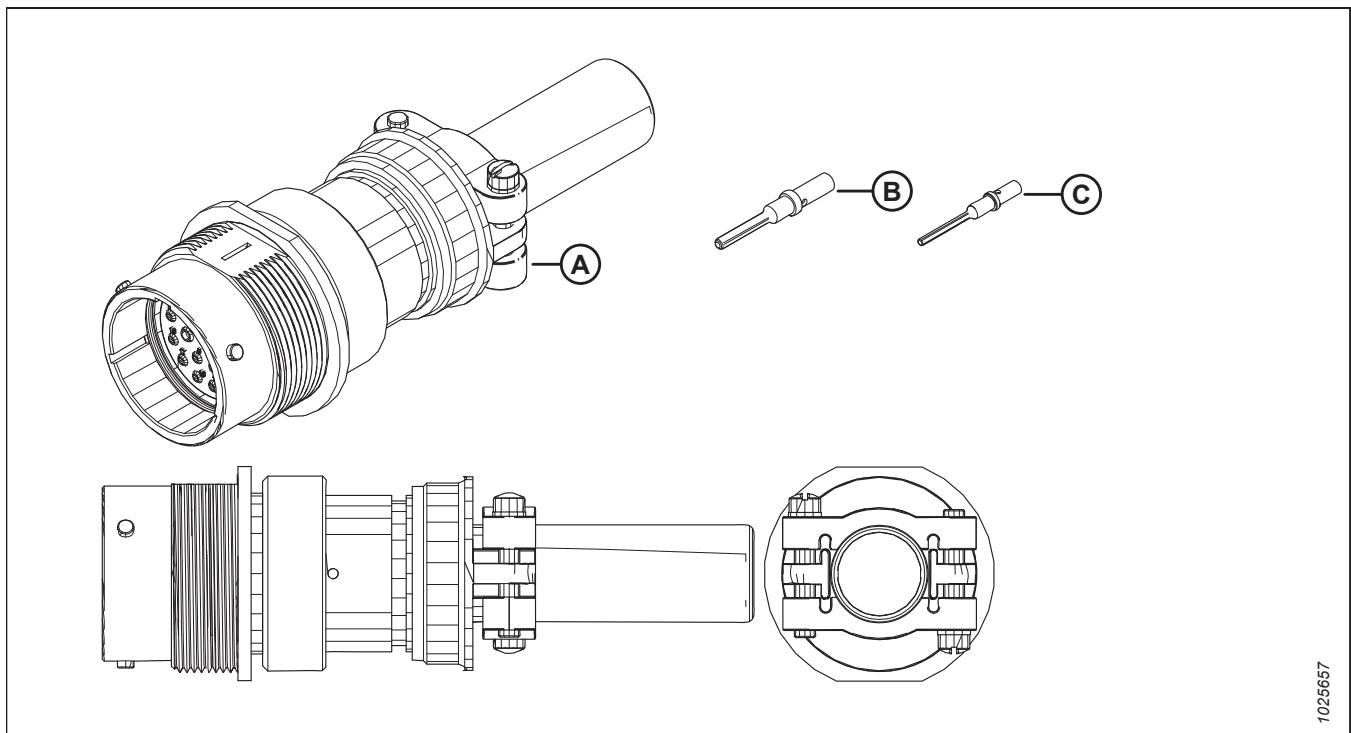


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	MacDon Part #	Description	Manufacturer	Series	Manufacturer Part #
A	134390	Connector – Plug (BLACK Housing)	Molex	MX150™ Female Terminal	33472-2006
		Terminal			33012
		Lock			
		Secondary Lock			
		Seal			
		Mating Connector		33482	
		Extraction Tool			
		Crimp Tool			
		Cavity Plug		34345-0001	
		Boots/Caps			

20-POSITION CONNECTORS

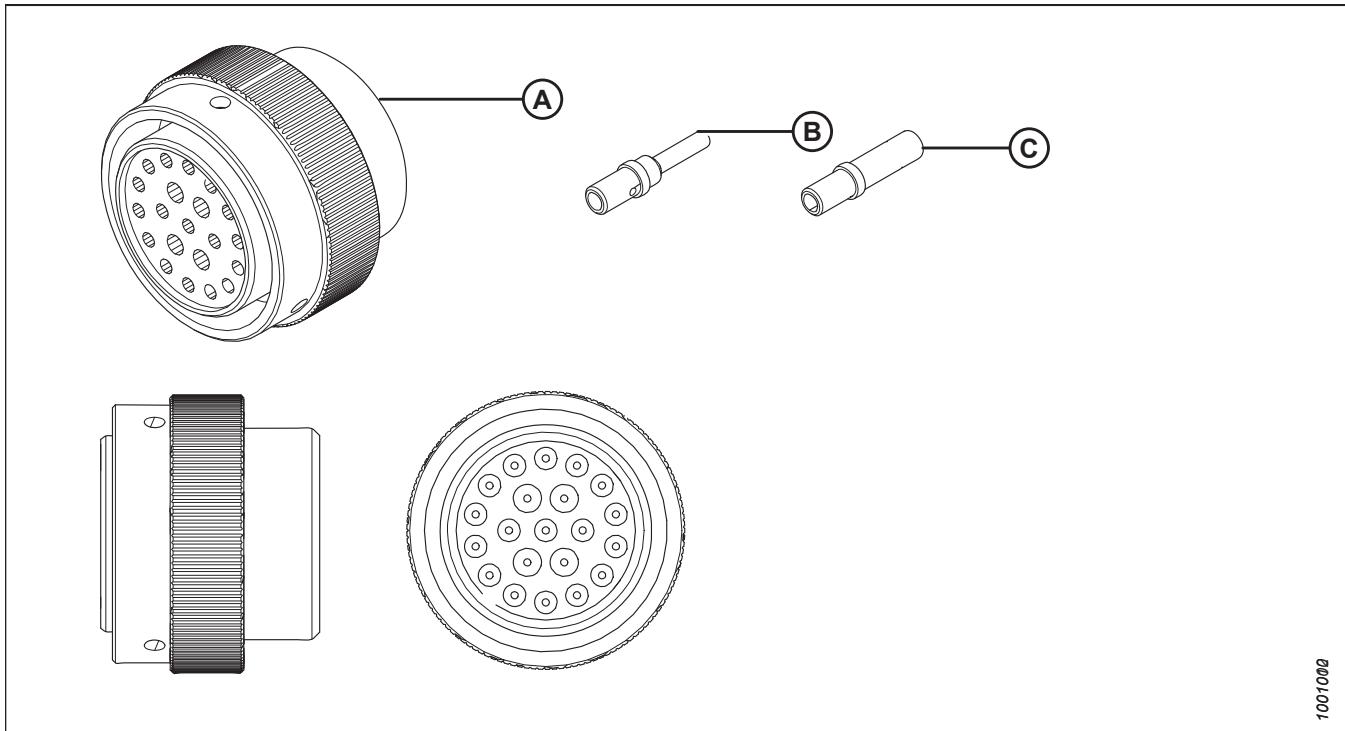
17.3



	MacDon Part #	Description	Manufacturer	Series	Manufacturer Part #
A		Connector – Receptacle	Deutsch	HD30	HD34-18-20PN-059
B	134023	Terminal – Pin		Size 16	0460-202-16141 (nickel), 0460-202-1631 (gold)
C	134016	Terminal – Pin		Size 20	0460-202-20141 (nickel), 0460-202-2031 (gold)
		Lock			
		Seal			
		Mating Connector			
		Extraction Tool			
		Crimp Tool			
		Cavity Plug			
		Boots/Caps			

Chapter 18: 21-Position Connectors

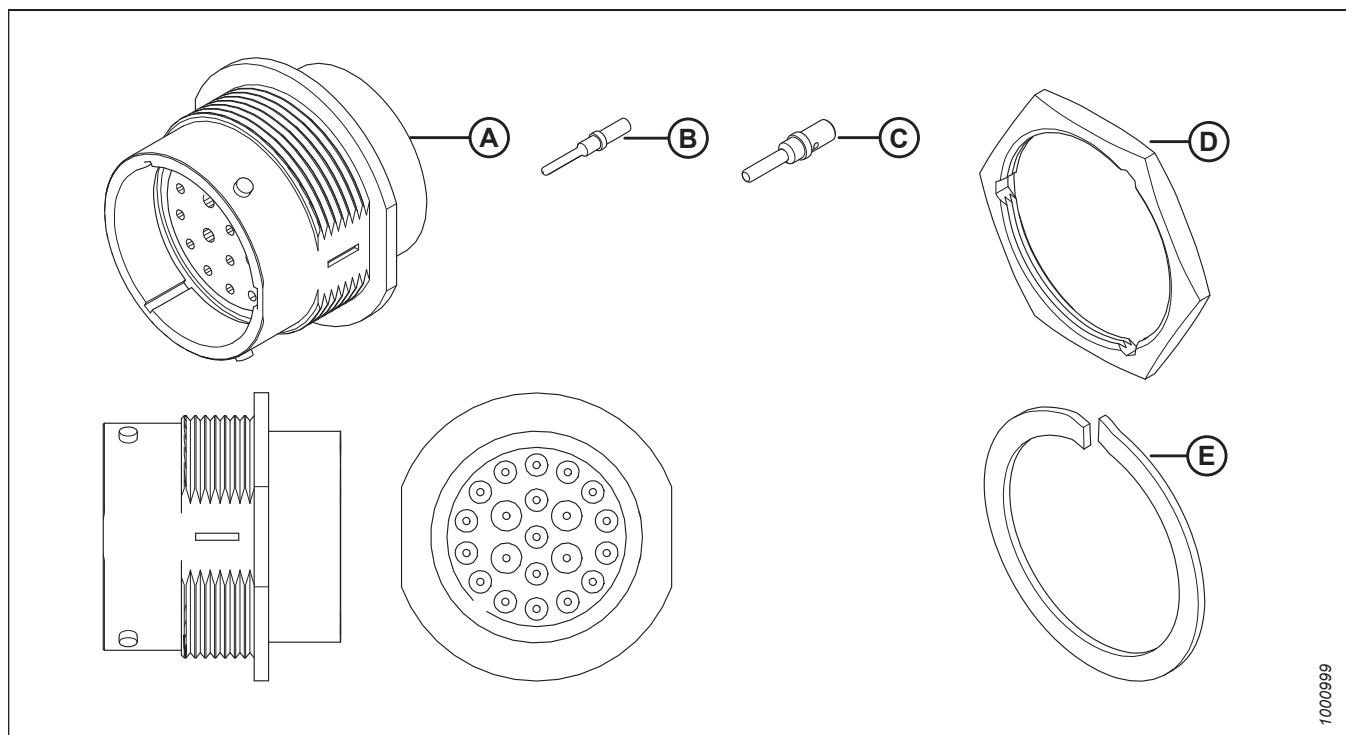
18.1



	MacDon Part #	Description	Manufacturer	Series	Manufacturer Part #	
A		Connector – Plug (10–20 ga)	Deutsch	HD30	HD36-24-21SE	
B	134026	Terminal – Socket	Deutsch	Size 16	0462-201-16141 (nickel), 0462-201-1631 (gold)	
C	134027	Terminal – Socket	Deutsch	Size 12	0462-203-12141 (nickel), 0462-210-1231 (gold)	
	Mating Connector		HD34-24-21PN			
	134012	Extraction Tool	0411-240-2005			
	134013		0411-310-605			
	134014		114010			
	Crimp Tool					

21-POSITION CONNECTORS

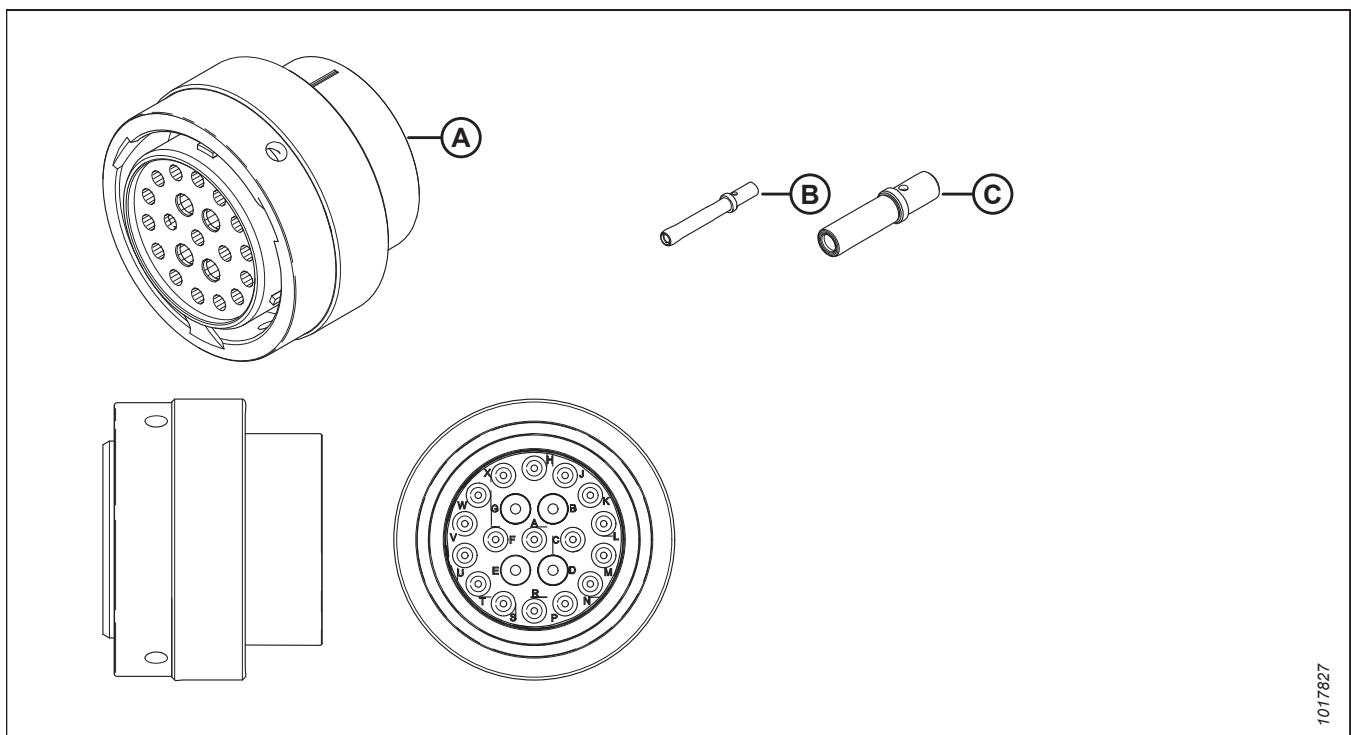
18.2



	MacDon Part #	Description	Manufacturer	Series	Manufacturer Part #
A		Connector – Receptacle	Deutsch	HD30	HD34-24-21PN
B	134023	Terminal – Pin		Size 16	0460-202-16141 (nickel), 0460-202-1631 (gold)
C	134024	Terminal – Pin		Size 12	0460-204-12141 (nickel), 0460-220-1231 (gold)
D	134010	Nut	Deutsch	HD30	112263-90
E	134011	Washer – Lock	Deutsch	HD30	112264
		Mating Connector		HD36-24-21SE	
	134012	Extraction Tool		0411-240-2005	
	134013			0411-310-605	
	134014			114010	
	134015	Crimp Tool		HDT-48-00	

21-POSITION CONNECTORS

18.3

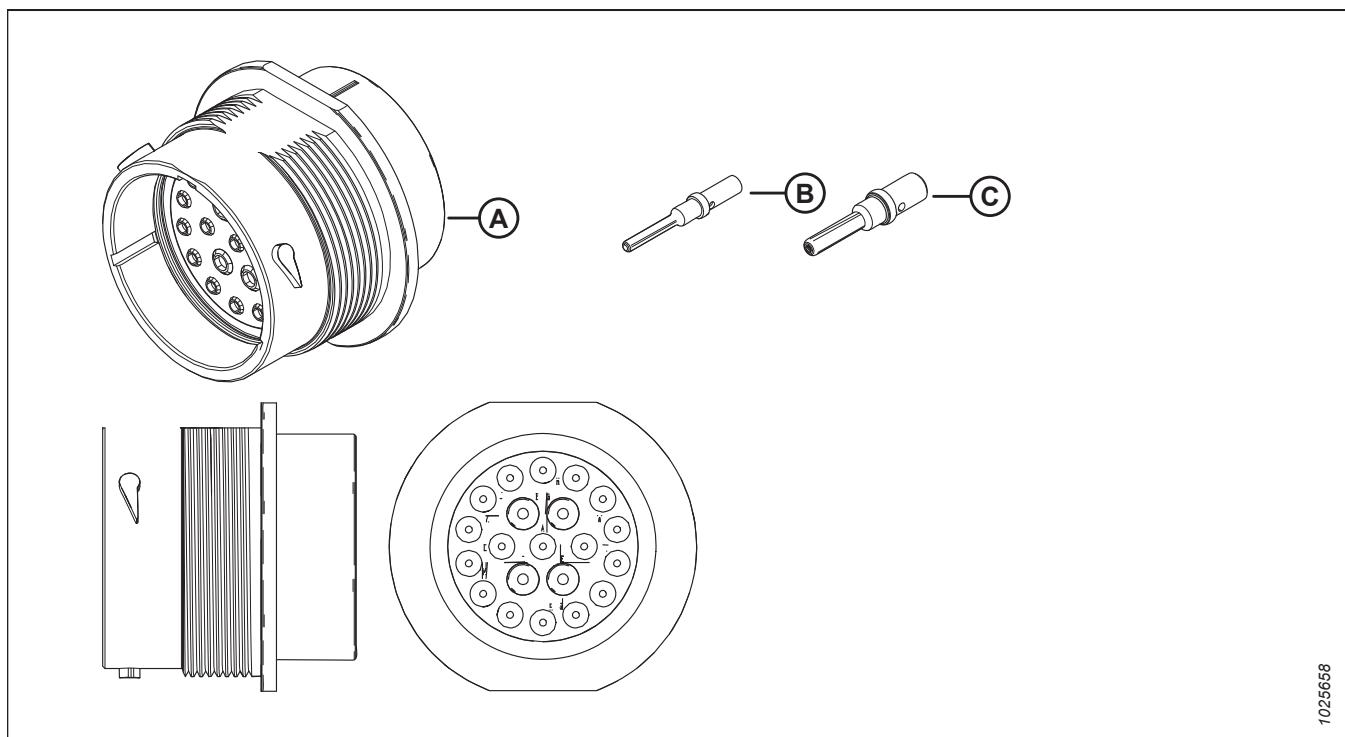


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	MacDon Part #	Description	Manufacturer	Series	Manufacturer Part #	
A		Connector – Plug	Deutsch	HDP20	HDP26-24-21SE	
B	134026	Terminal – Socket	Deutsch	Size 16	0462-201-16141 (nickel), 0462-201-1631 (gold)	
C	134027	Terminal – Socket	Deutsch	Size 12	0462-203-12141 (nickel), 0462-210-1231 (gold)	
		Mating Connector	HDP24-24-21PE			
		Extraction Tool				
		Crimp Tool				

21-POSITION CONNECTORS

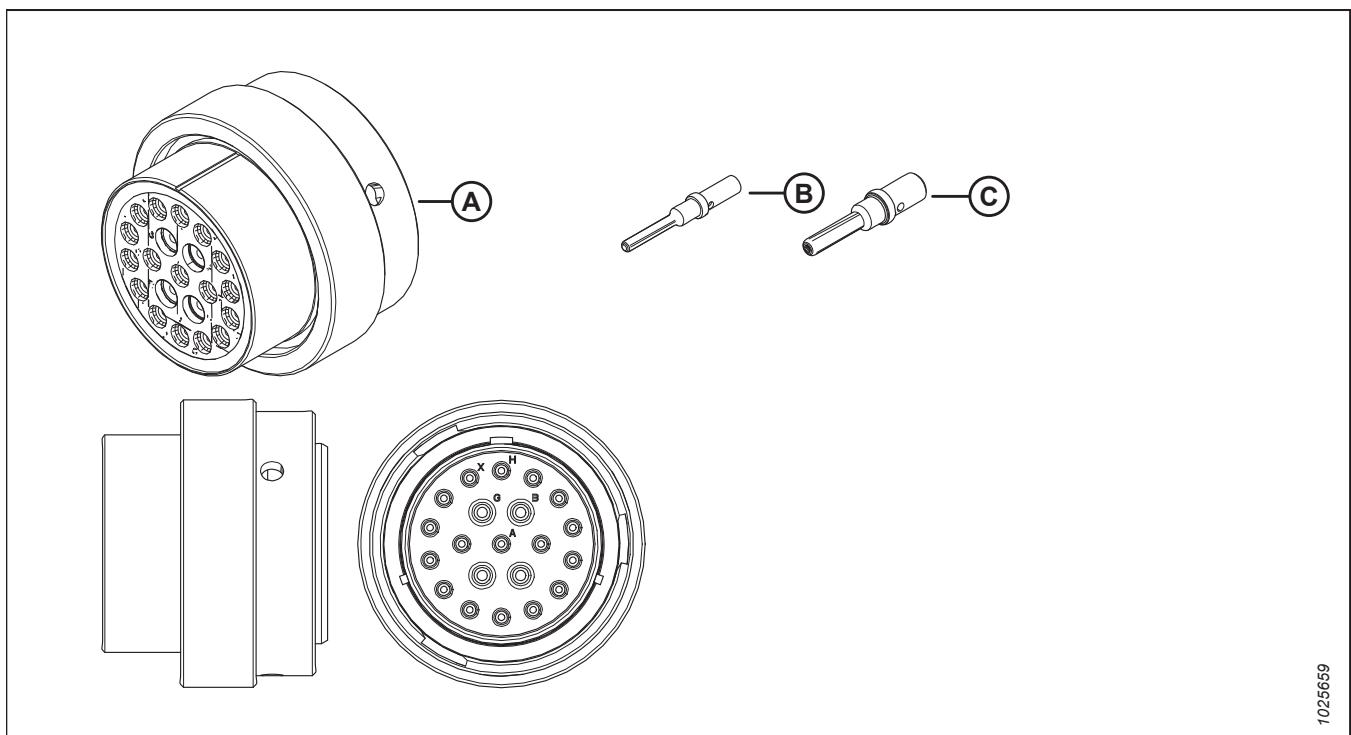
18.4



	MacDon Part #	Description	Manufacturer	Series	Manufacturer Part #
A		Connector – Receptacle	Deutsch	HDP20	HDP24-24-21PE
B	134023	Terminal – Pin		Size 16	0460-202-16141 (nickel), 0460-202-1631 (gold)
C	134024	Terminal – Pin		Size 12	0460-204-12141 (nickel), 0460-220-1231 (gold)
		Lock			
		Seal			
		Mating Connector		HDP26-24-21SE	
		Extraction Tool			
		Crimp Tool			
		Cavity Plug			
		Boots/Caps		HD30-24BT-BK, 2411-001-2405, 2414-001-2486, HDC26-24	

21-POSITION CONNECTORS

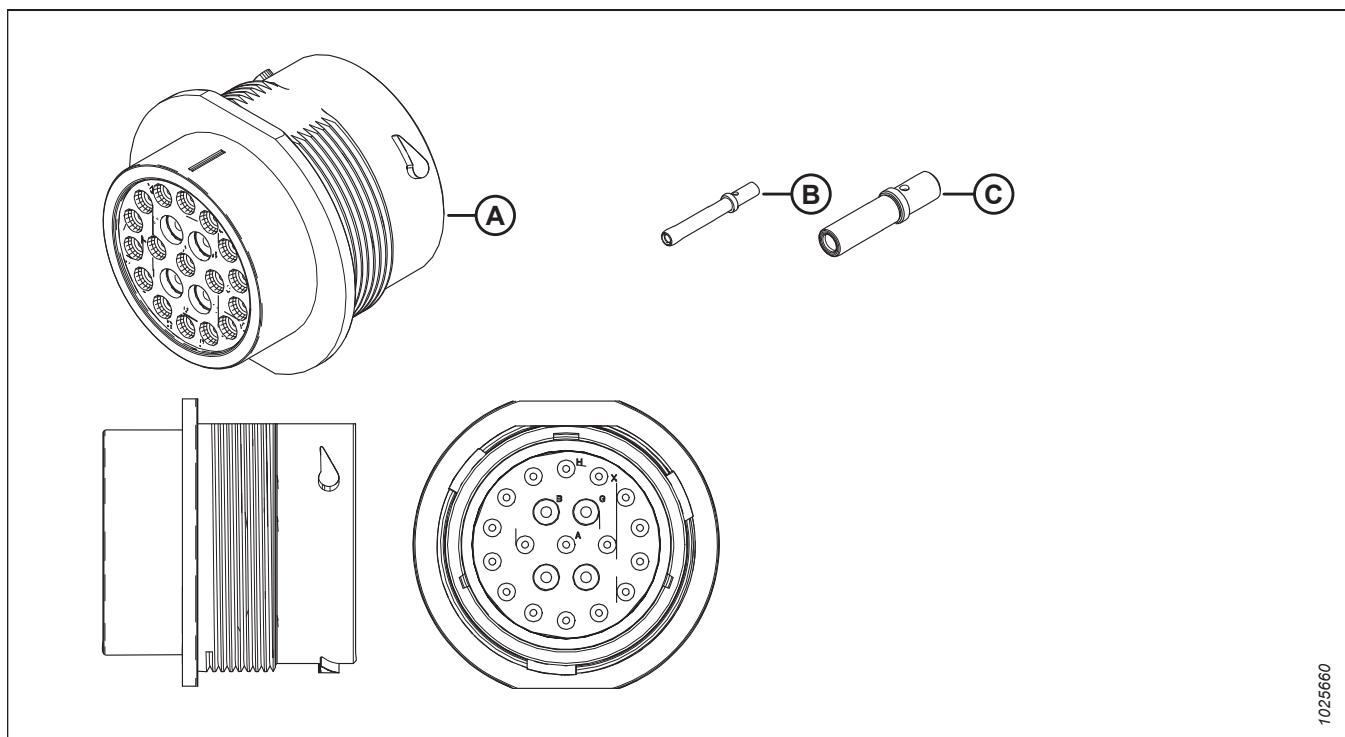
18.5



	MacDon Part #	Description	Manufacturer	Series	Manufacturer Part #
A		Connector – Plug	Deutsch	HDP20	HDP26-24-21PE
B	134023	Terminal – Pin		Size 16	0460-202-16141 (nickel), 0460-202-1631 (gold)
C	134024	Terminal – Pin		Size 12	0460-204-12141 (nickel), 0460-220-1231 (gold)
		Lock			
		Secondary Lock			
		Seal			
		Mating Connector		HDP24-24-21SE	
		Extraction Tool		0411-336-1605, 0411-337-1205	
		Crimp Tool			
		Boots/Caps		HD30-24BT-BK, HD30-24BT-90-BK	

21-POSITION CONNECTORS

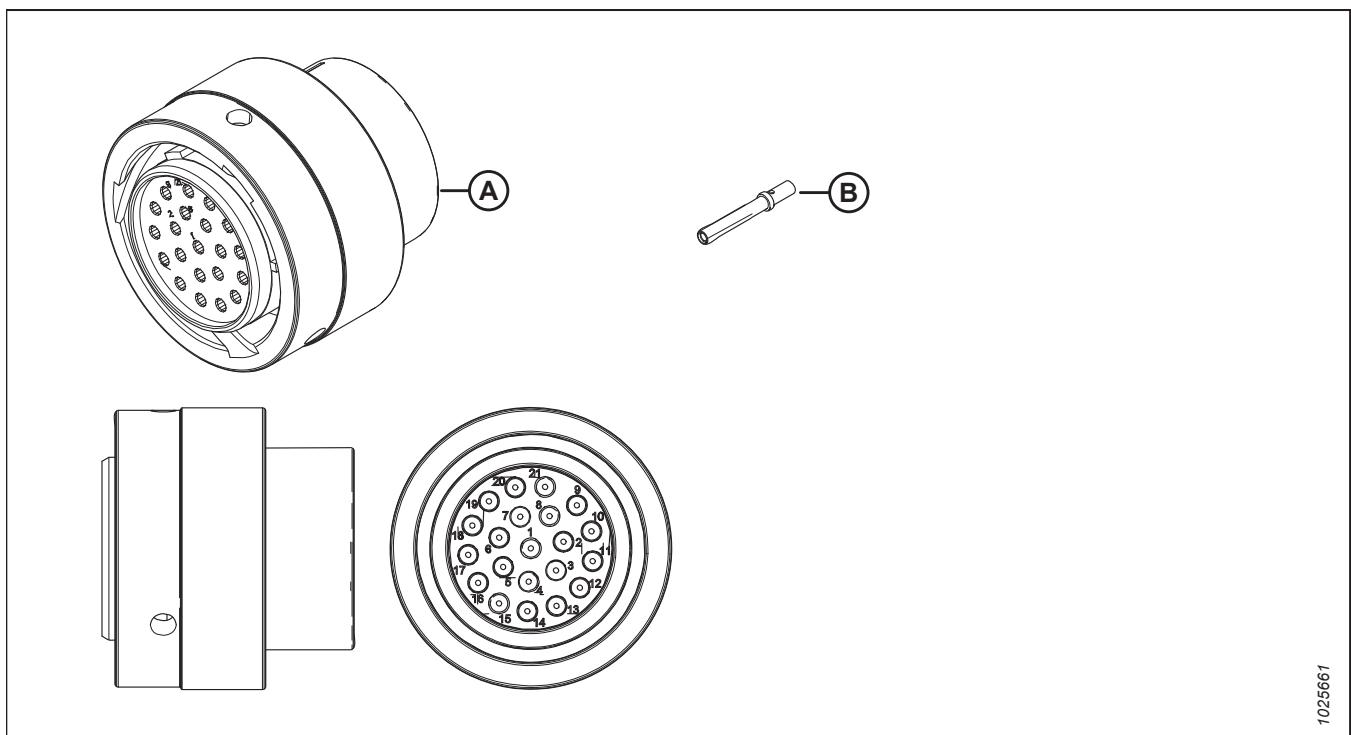
18.6



	MacDon Part #	Description	Manufacturer	Series	Manufacturer Part #
A		Connector – Receptacle	Deutsch	HDP20	HDP24-24-21SE
B	134026	Terminal – Socket	Deutsch	Size 16	0462-201-16141 (nickel), 0462-201-1631 (gold)
C	134027	Terminal – Socket	Deutsch	Size 12	0462-203-12141 (nickel), 0462-210-1231 (gold)
		Lock			
		Seal			
		Mating Connector		HDP26-24-21PE	
		Extraction Tool			
		Crimp Tool			
		Cavity Plug			
		Boots/Caps		HD30-24BT-BK, 2411-001-2405, 2414-001-2486, HDC26-24	

21-POSITION CONNECTORS

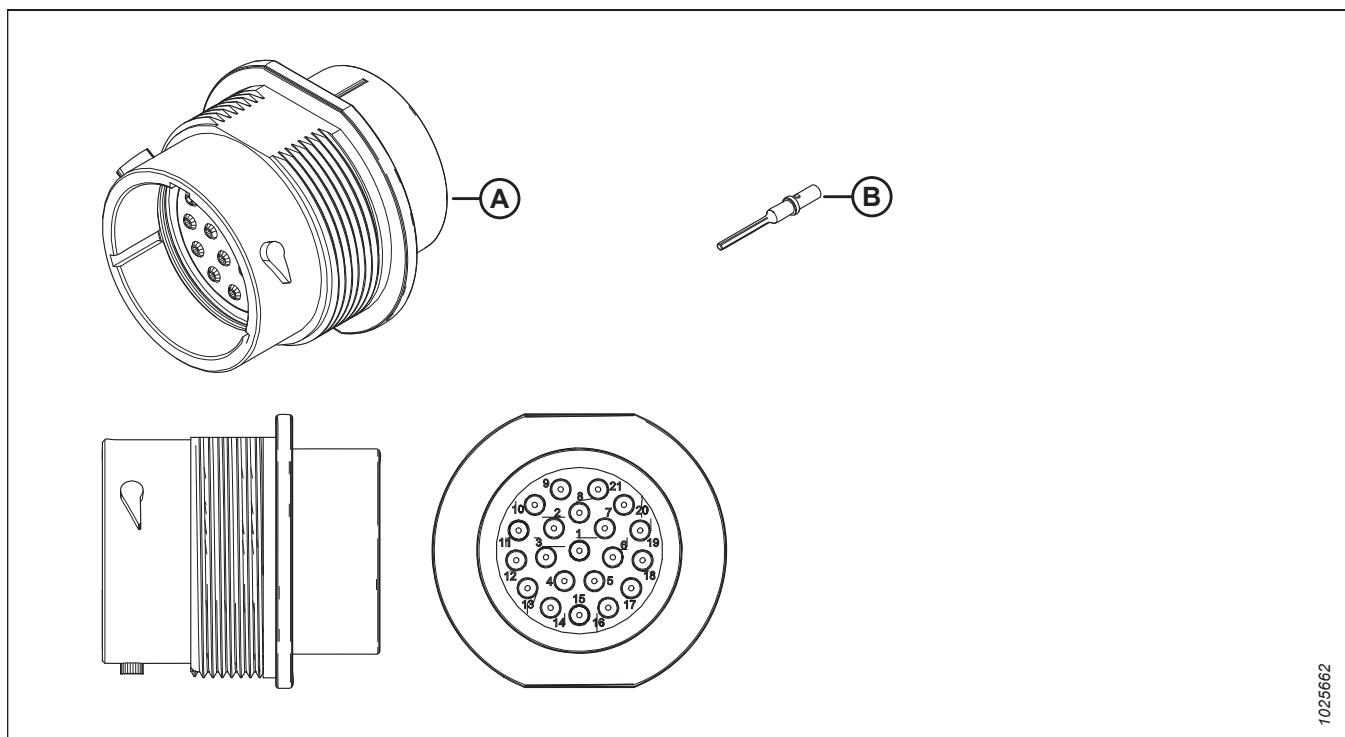
18.7



	MacDon Part #	Description	Manufacturer	Series	Manufacturer Part #
A		Connector – Plug	Deutsch	HDP20	HDP26-18-21SN
B	134017	Terminal – Socket		Size 20	0462-201-20141 (nickel), 0462-201-2031 (gold)
		Lock			
		Secondary Lock			
		Seal			
		Mating Connector			
		Extraction Tool			
		Crimp Tool			
		Cavity Plug			
		Boots/Caps			

21-POSITION CONNECTORS

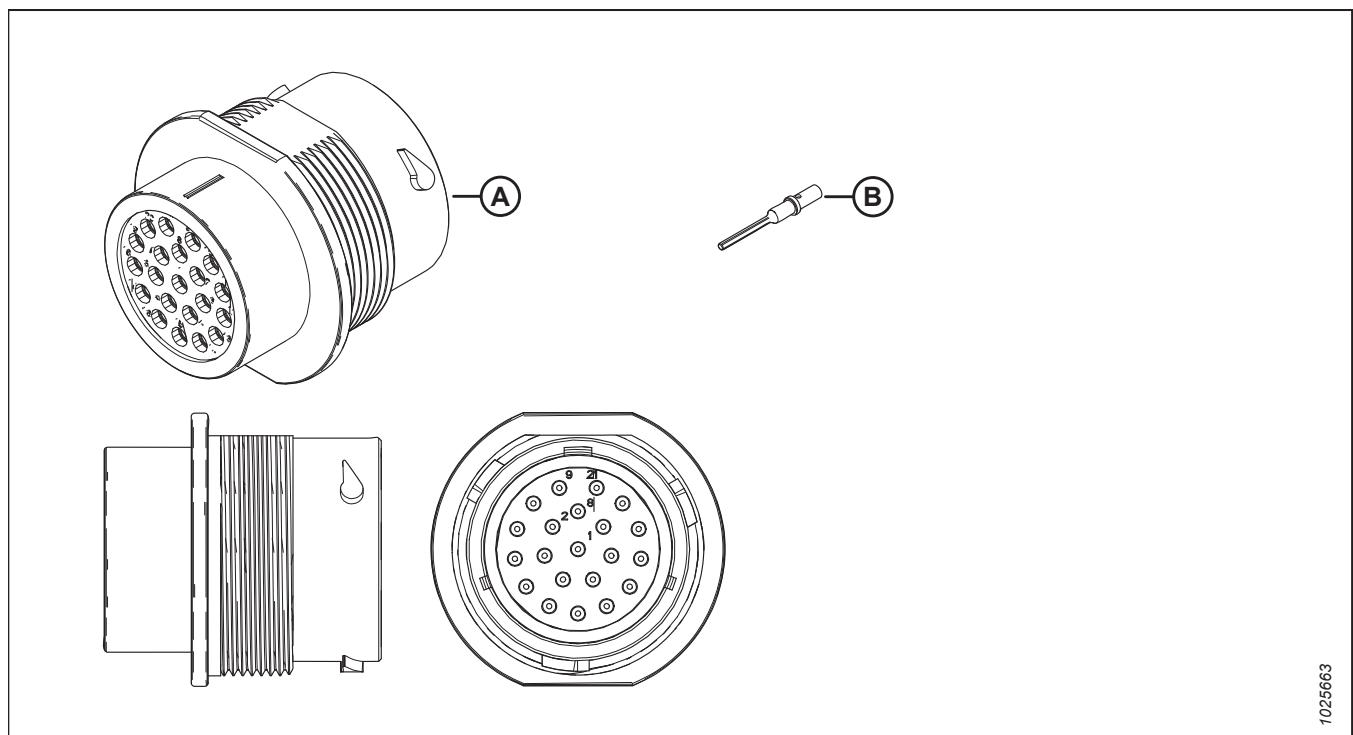
18.8



	MacDon Part #	Description	Manufacturer	Series	Manufacturer Part #
A		Connector – Receptacle	Deutsch	HDP20	HDP24-18-21PN
B	134016	Terminal – Pin		Size 20	0460-202-20141 (nickel), 0460-202-2031 (gold)
		Lock			
		Secondary Lock			
		Seal			
		Mating Connector			
		Extraction Tool			
		Crimp Tool			
		Cavity Plug			
		Boots/Caps			

21-POSITION CONNECTORS

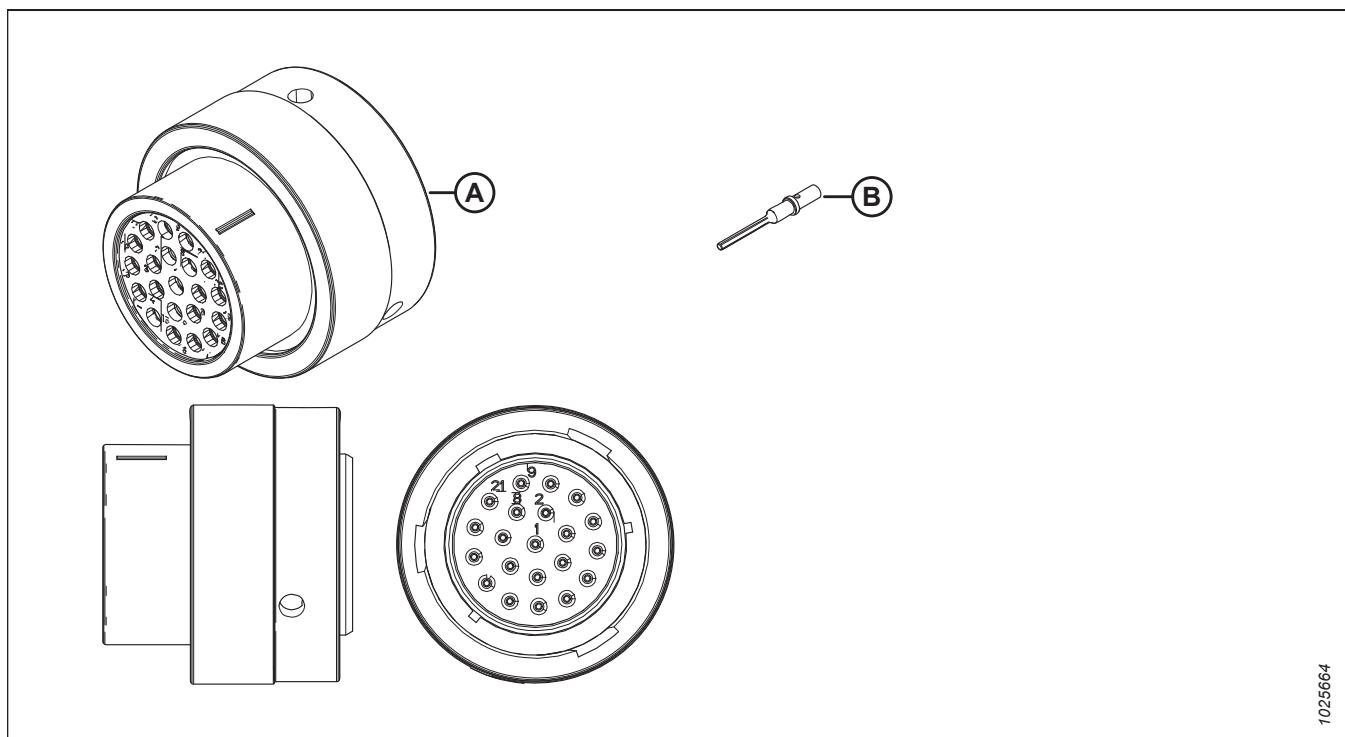
18.9



	MacDon Part #	Description	Manufacturer	Series	Manufacturer Part #
A		Connector – Receptacle	Deutsch	HDP20	HDP24-18-21SN
B	134016	Terminal – Pin		Size 20	0460-202-20141 (nickel), 0460-202-2031 (gold)
		Lock			
		Secondary Lock			
		Seal			
		Mating Connector			
		Extraction Tool			
		Crimp Tool			
		Cavity Plug			
		Boots/Caps			

21-POSITION CONNECTORS

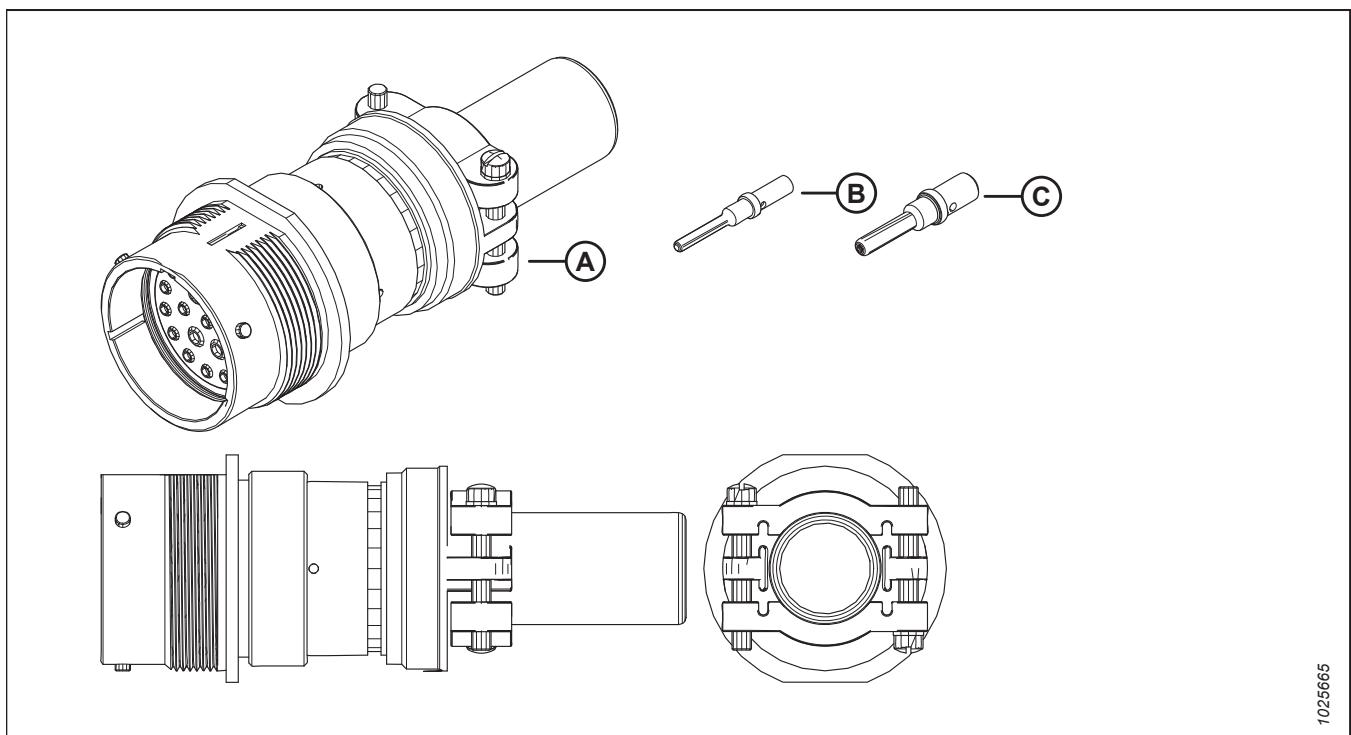
18.10



	MacDon Part #	Description	Manufacturer	Series	Manufacturer Part #
A		Connector – Plug	Deutsch	HDP20	HDP26-18-21PN
B	134016	Terminal – Pin		Size 20	0460-202-20141 (nickel), 0460-202-2031 (gold)
		Lock			
		Secondary Lock			
		Seal			
		Mating Connector			
		Extraction Tool			
		Crimp Tool			
		Cavity Plug			
		Boots/Caps			

21-POSITION CONNECTORS

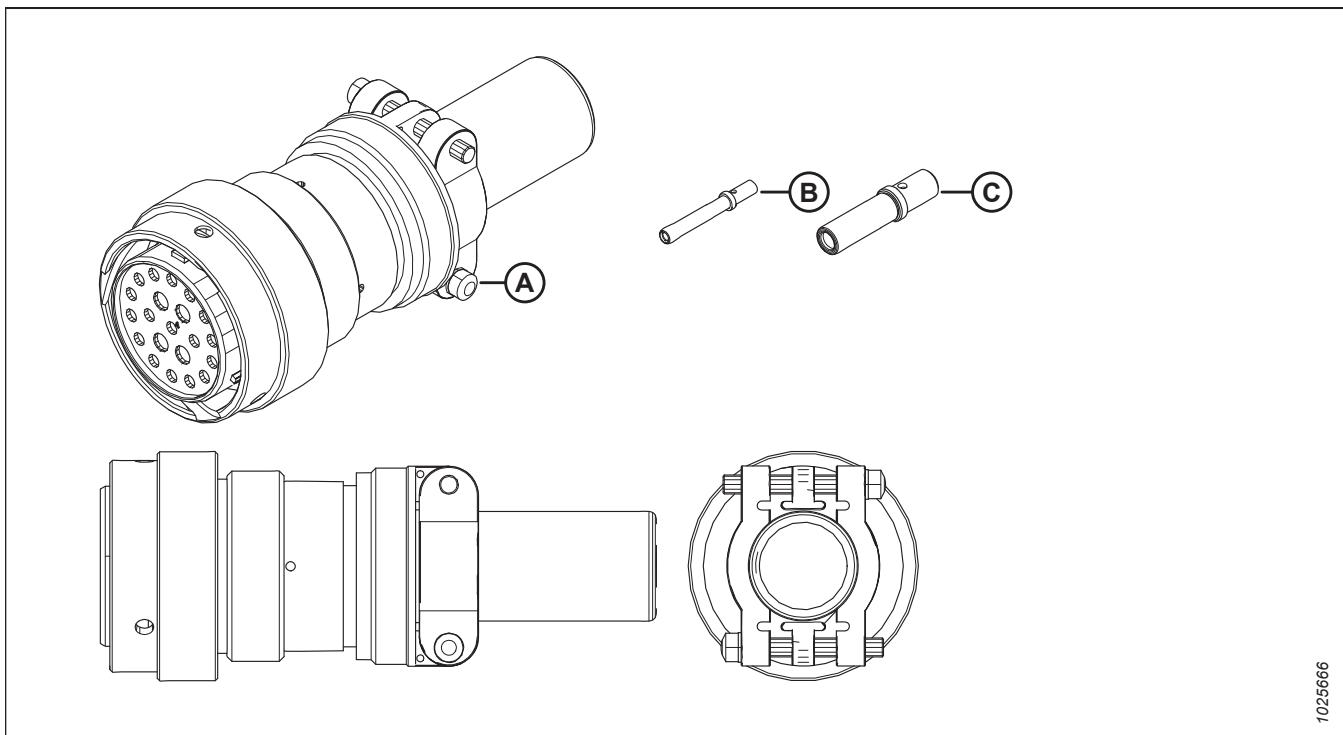
18.11



	MacDon Part #	Description	Manufacturer	Series	Manufacturer Part #
A		Connector – Receptacle	Deutsch	HD30	HD34-24-21PN
B	134023	Terminal – Pin		Size 16	0460-202-16141 (nickel), 0460-202-1631 (gold)
C	134024	Terminal – Pin		Size 12	0460-204-12141 (nickel), 0460-220-1231 (gold)
		Lock			
		Seal			
		Mating Connector			
		Extraction Tool			
		Crimp Tool			
		Cavity Plug			
		Boots/Caps			

21-POSITION CONNECTORS

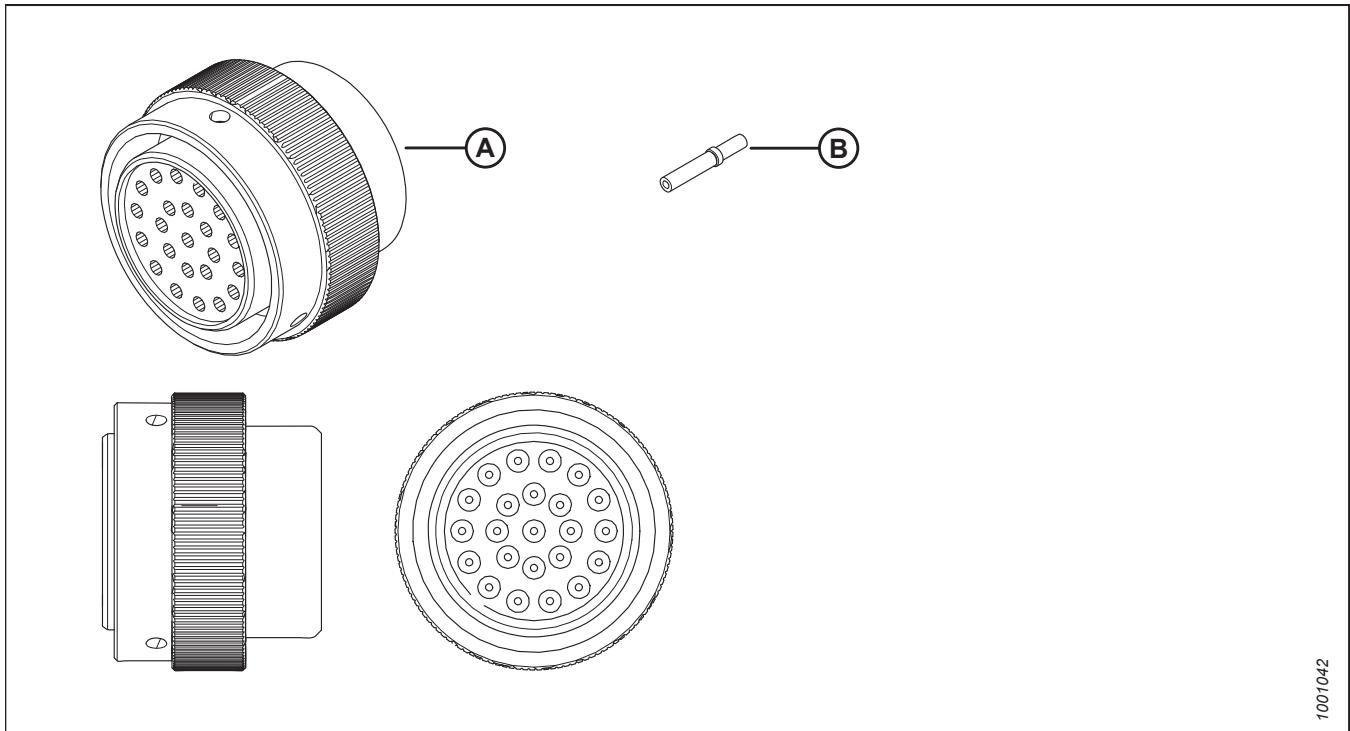
18.12



	MacDon Part #	Description	Manufacturer	Series	Manufacturer Part #
A		Connector – Plug	Deutsch	HD30	HD36-24-21SN-059
B	134026	Terminal – Socket	Deutsch	Size 16	0462-201-16141 (nickel), 0462-201-1631 (gold)
C	134027	Terminal – Socket	Deutsch	Size 12	0462-203-12141 (nickel), 0462-210-1231 (gold)
		Lock			
		Seal			
		Mating Connector			
		Extraction Tool			
		Crimp Tool			
		Cavity Plug			
		Boots/Caps			

Chapter 19: 23-Position Connectors

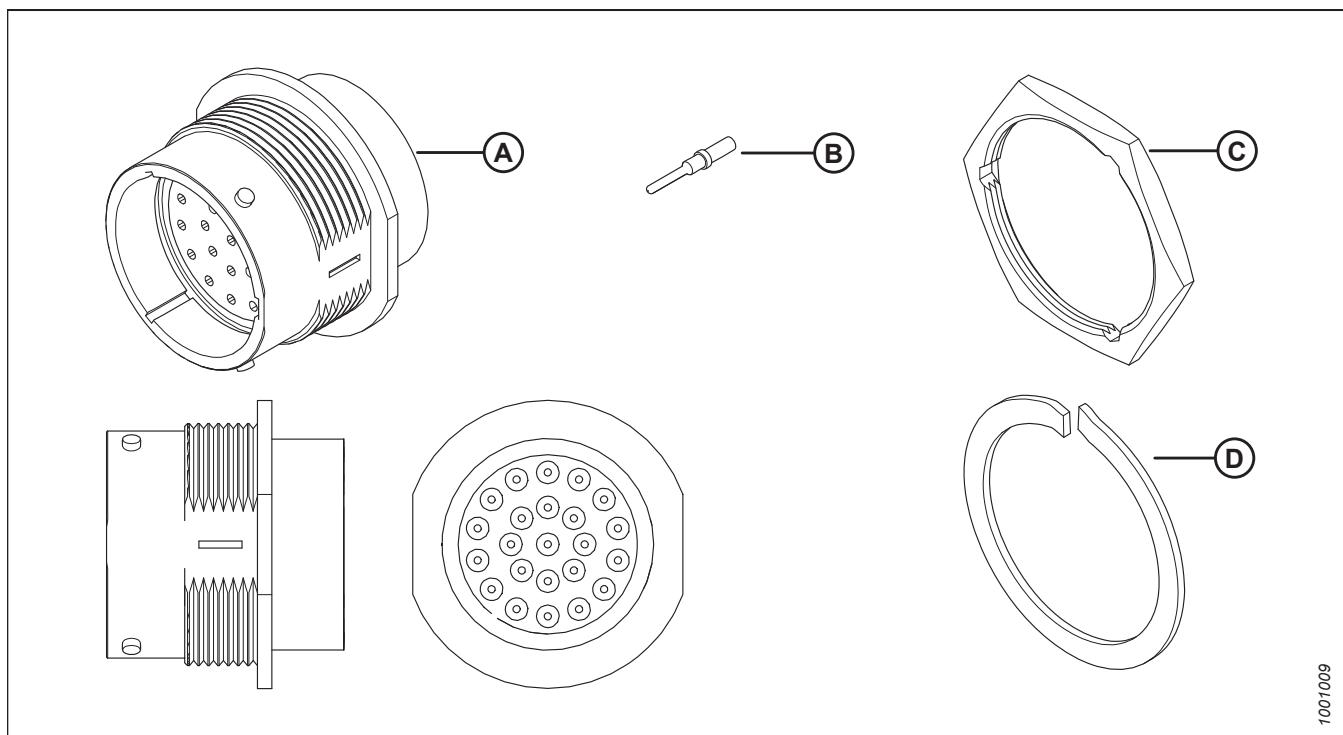
19.1



	MacDon Part #	Description	Manufacturer	Series	Manufacturer Part #	
A	134008	Connector – Plug	Deutsch	HD	HD36-24-23SE	
B	134026	Terminal – Socket	Deutsch	Size 16	0462-201-16141 (nickel), 0462-201-1631 (gold)	
	134009	Mating Connector	HD34-24-23PN			
		Extraction Tool				
		Crimp Tool				

23-POSITION CONNECTORS

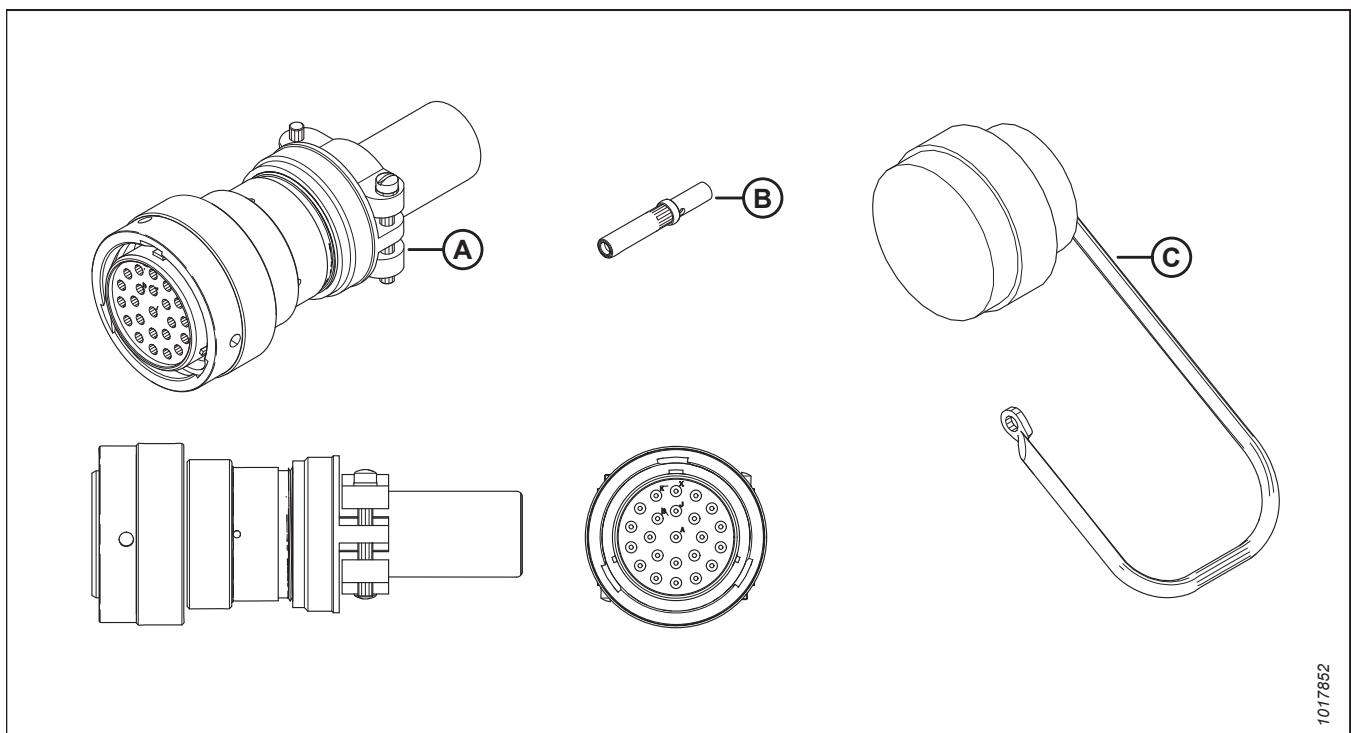
19.2



	MacDon Part #	Description	Manufacturer	Series	Manufacturer Part #
A	134009	Connector – Receptacle	Deutsch	HD30	HD34-24-23PN
B	134023	Terminal – Pin	Deutsch	Size 16	0460-202-16141 (nickel), 0460-202-1631 (gold)
C	134010	Nut	Deutsch	HD30	112263-90
D	134011	Washer – Lock	Deutsch	HD30	112264
	134008	Mating Connector		HD36-24-23SE	
		Extraction Tool			
	134015	Crimp Tool		HDT-48-00	

23-POSITION CONNECTORS

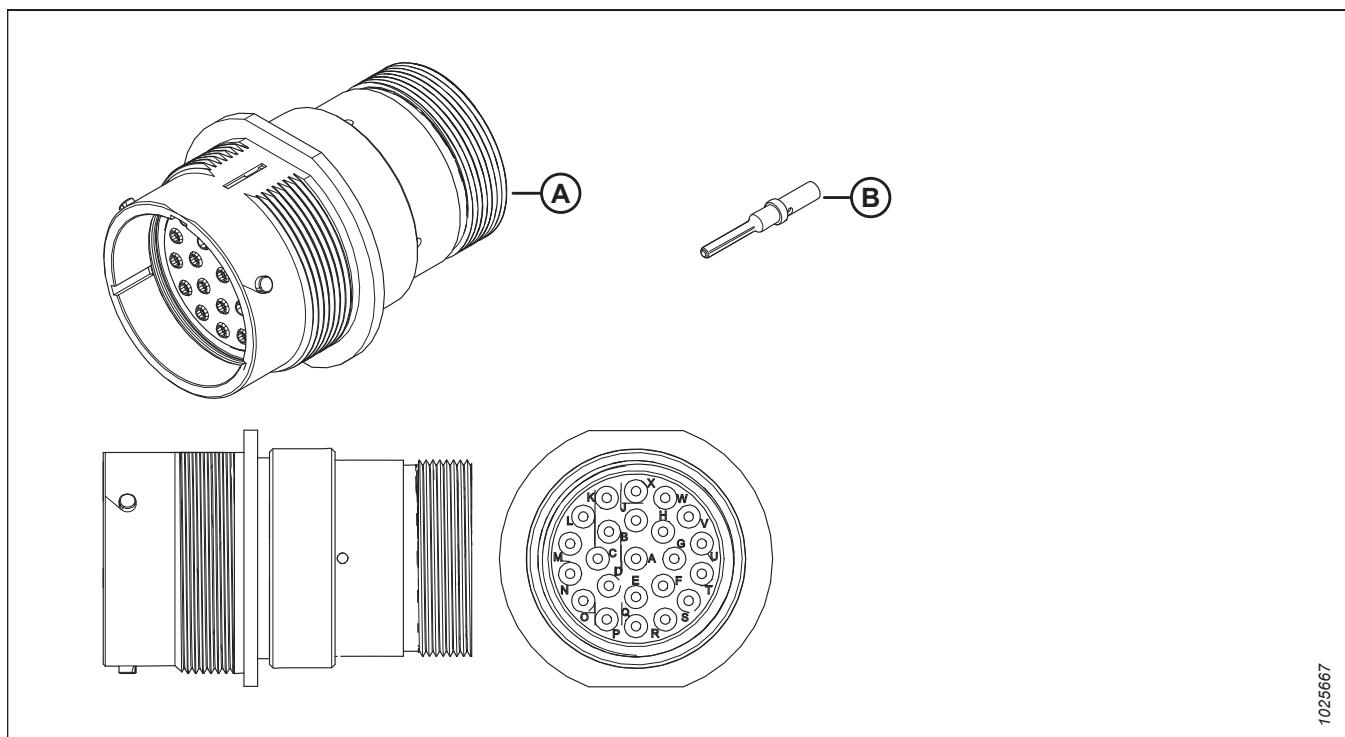
19.3



	MacDon Part #	Description	Manufacturer	Series	Manufacturer Part #	
A	134766	Connector – Plug	Deutsch	HD30	HD36-24-23SN-059	
B	134026	Terminal – Socket	Deutsch	Size 16	0462-201-16141 (nickel), 0462-201-1631 (gold)	
C	135365	Cap – Wire Harness	Deutsch		HDC 34-24	
		Mating Connector	HD34-24-23PN			
		Extraction Tool				
		Crimp Tool				

23-POSITION CONNECTORS

19.4

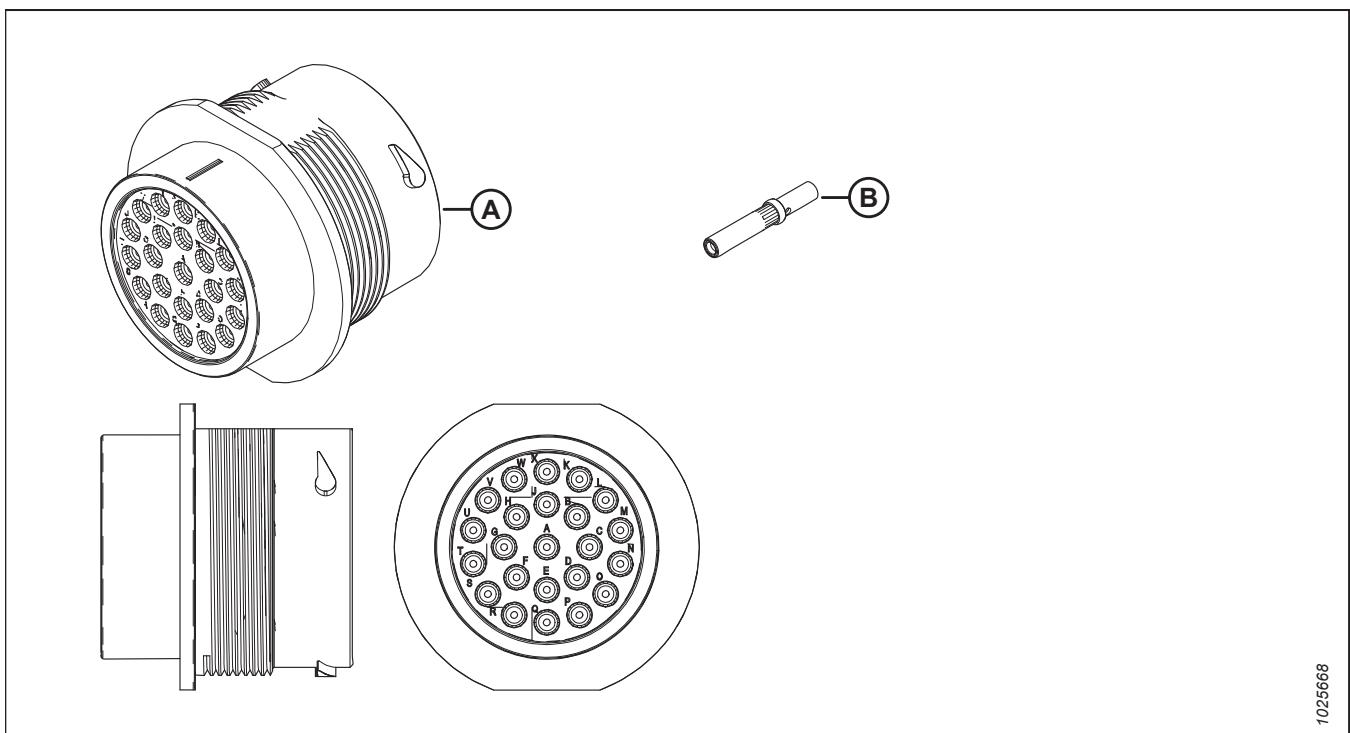


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	MacDon Part #	Description	Manufacturer	Series	Manufacturer Part #
A		Connector – Receptacle	Deutsch	HD30	HD34-24-23PN-059
B	134023	Terminal – Pin	Deutsch	Size 16	0460-202-16141 (nickel), 0460-202-1631 (gold)
		Lock			
		Secondary Lock			
		Seal			
		Mating Connector			
		Extraction Tool			
		Crimp Tool			
		Cavity Plug			
		Boots/Caps			

23-POSITION CONNECTORS

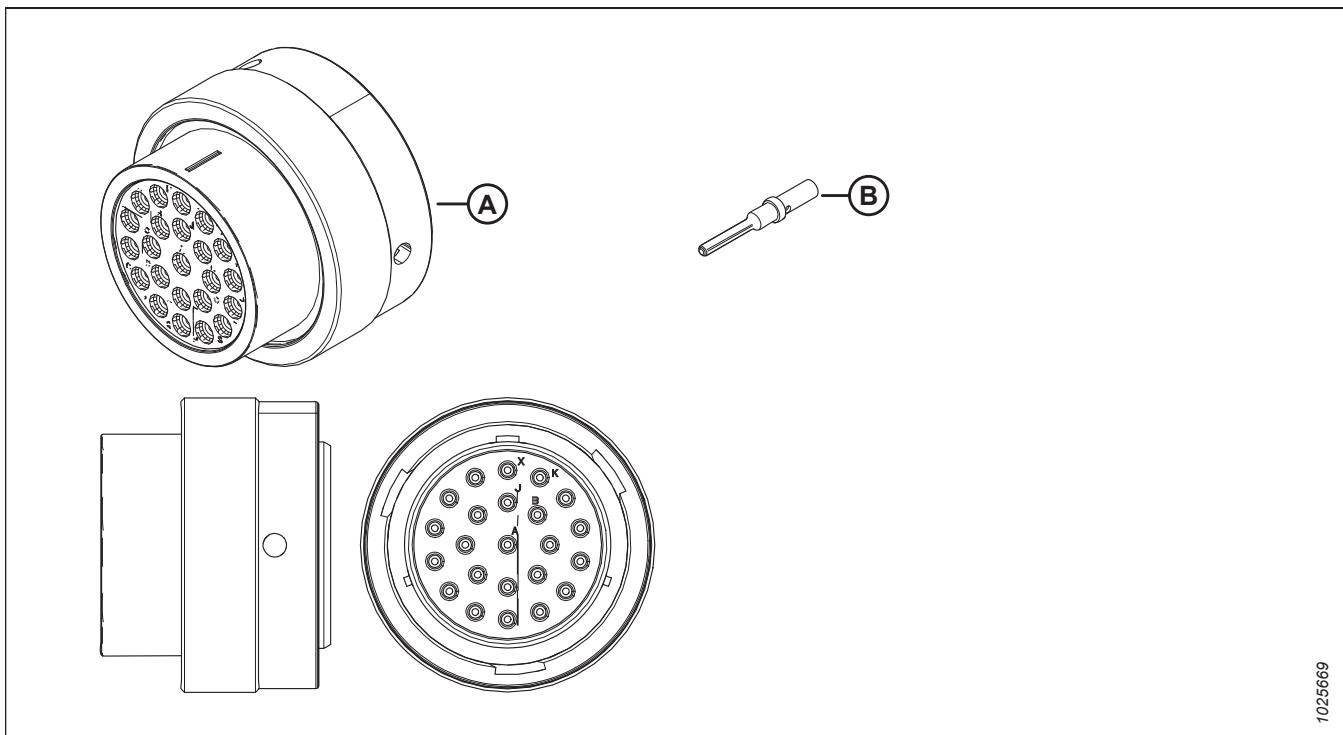
19.5



	MacDon Part #	Description	Manufacturer	Series	Manufacturer Part #
A		Connector – Receptacle	Deutsch	HDP20	HDP24-24-23SE
B	134026	Terminal – Socket	Deutsch	Size 16	0462-201-16141 (nickel), 0462-201-1631 (gold)
		Lock			
		Secondary Lock			
		Seal			
		Mating Connector			HDP26-24-23PE
		Extraction Tool			
		Crimp Tool			
		Cavity Plug			
		Boots/Caps			HD30-24BT-BK, 2411-001-2405, 2414-001-2486, HDC26-24

23-POSITION CONNECTORS

19.6

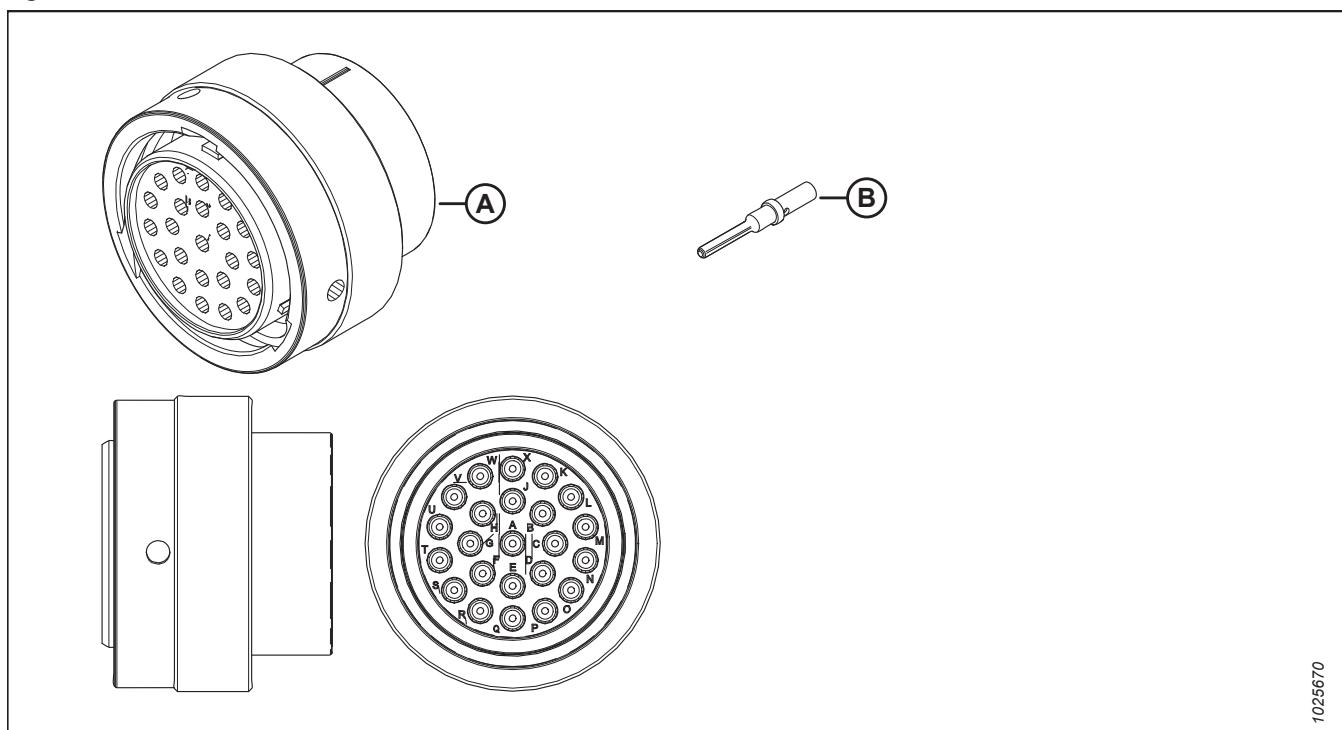


	MacDon Part #	Description	Manufacturer	Series	Manufacturer Part #
A		Connector – Plug	Deutsch	HDP20	HDP26-24-23PE
B	134023	Terminal – Pin	Deutsch	Size 16	0460-202-16141 (nickel), 0460-202-1631 (gold)
		Lock			
		Secondary Lock			
		Seal			
		Mating Connector			HDP24-24-23SE
		Extraction Tool			0411-336-1605
		Crimp Tool			
		Cavity Plug			114017
		Boots/Caps			HD30-24BT-90-BK, HD30-24BT-BK

23-POSITION CONNECTORS

19.7

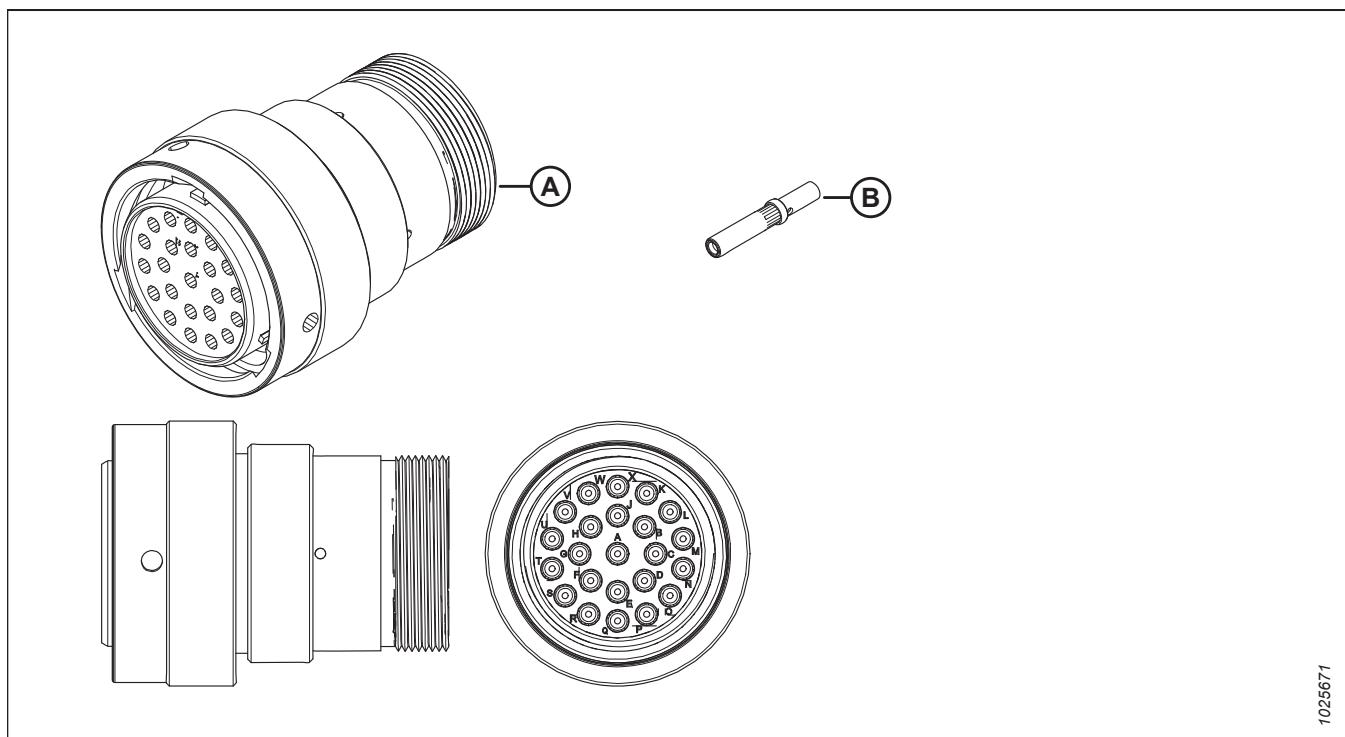
Figure 19.1:



	MacDon Part #	Description	Manufacturer	Series	Manufacturer Part #
A		Connector – Plug	Deutsch	HDP20	HDP26-24-23PE
B	134023	Terminal – Pin	Deutsch	Size 16	0460-202-16141 (nickel), 0460-202-1631 (gold)
		Lock			
		Secondary Lock			
		Seal			
		Mating Connector			HDP24-24-23SE
		Extraction Tool			0411-336-1605
		Crimp Tool			
		Cavity Plug			114017
		Boots/Caps			HD30-24BT-90-BK, HD30-24BT-BK

23-POSITION CONNECTORS

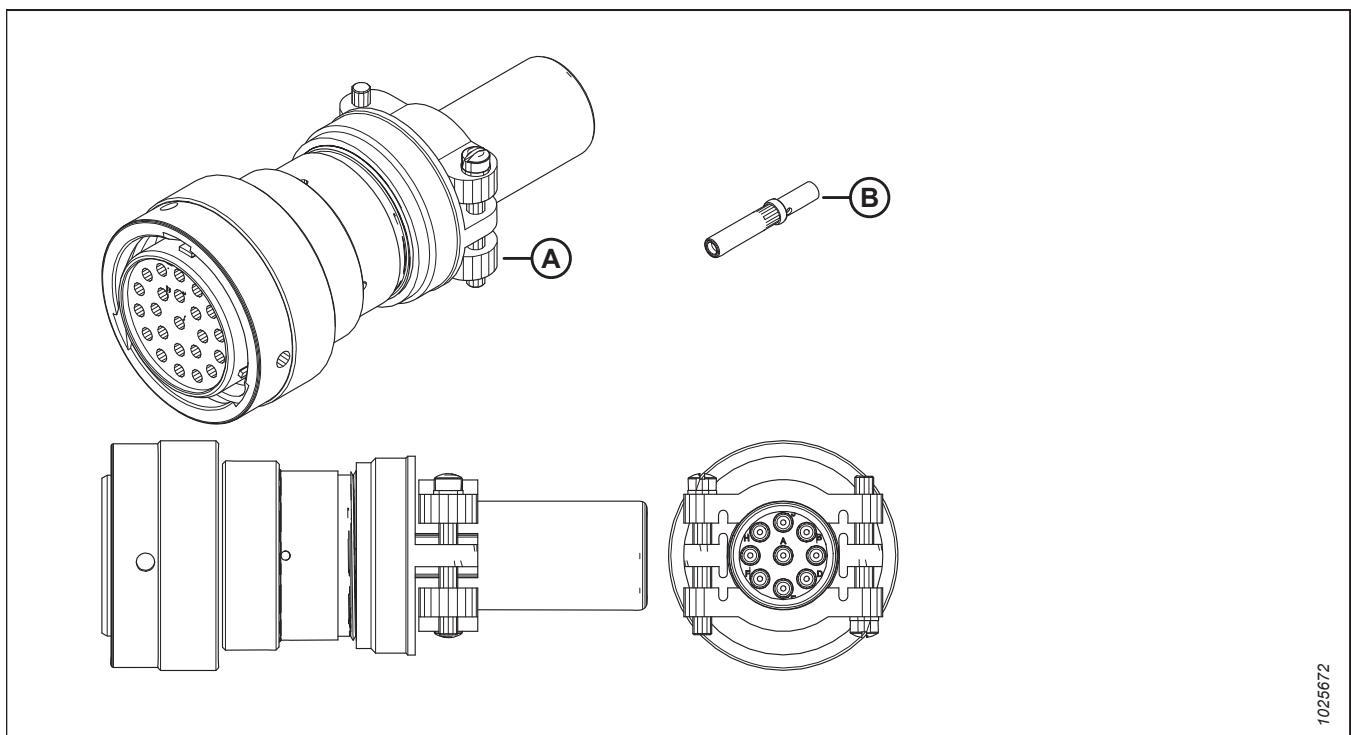
19.8



	MacDon Part #	Description	Manufacturer	Series	Manufacturer Part #
A		Connector – Plug	Deutsch	HD30	HD36-24-23SN-072
B	134026	Terminal – Socket	Deutsch	Size 16	0462-201-16141 (nickel), 0462-201-1631 (gold)
		Lock			
		Secondary Lock			
		Seal			
		Mating Connector			
		Extraction Tool			
		Crimp Tool			
		Cavity Plug			
		Boots/Caps			

23-POSITION CONNECTORS

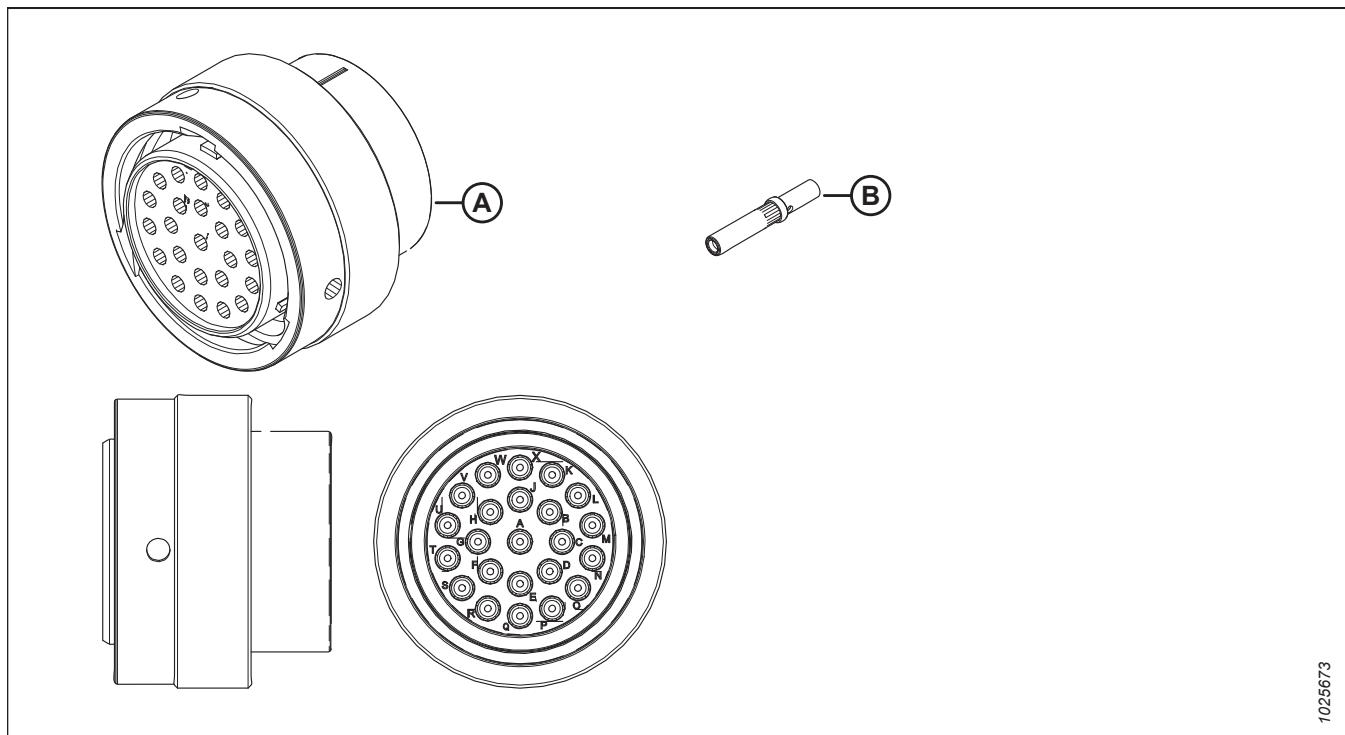
19.9



	MacDon Part #	Description	Manufacturer	Series	Manufacturer Part #
A		Connector – Plug	Deutsch	HD30	HD36-24-23SN-059
B	134026	Terminal – Socket	Deutsch	Size 16	0462-201-16141 (nickel), 0462-201-1631 (gold)
		Lock			
		Secondary Lock			
		Seal			
		Mating Connector			
		Extraction Tool			
		Crimp Tool			
		Cavity Plug			
		Boots/Caps			

23-POSITION CONNECTORS

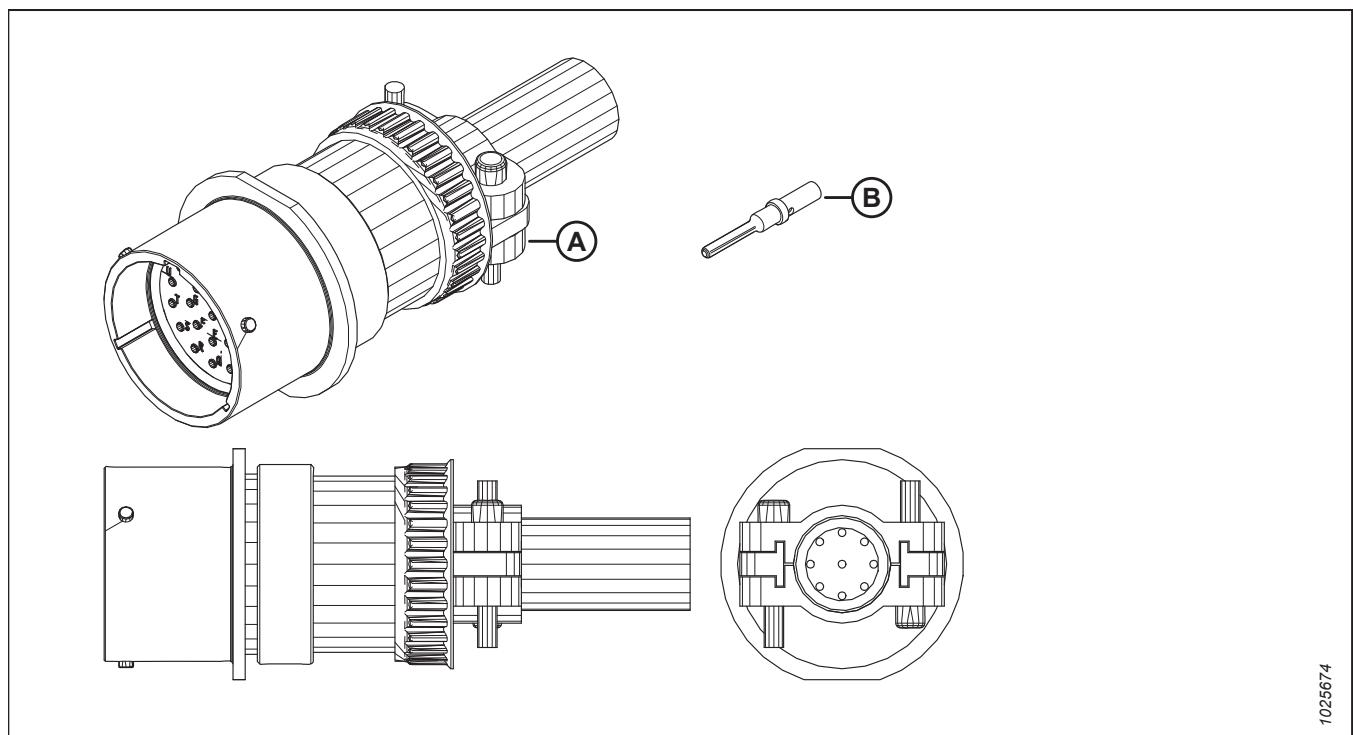
19.10



	MacDon Part #	Description	Manufacturer	Series	Manufacturer Part #
A		Connector – Plug	Deutsch	HD30	HD36-24-23SE-059
B	134026	Terminal – Socket	Deutsch	Size 16	0462-201-16141 (nickel), 0462-201-1631 (gold)
		Lock			
		Secondary Lock			
		Seal			
		Mating Connector			
		Extraction Tool			
		Crimp Tool			
		Cavity Plug			
		Boots/Caps			

23-POSITION CONNECTORS

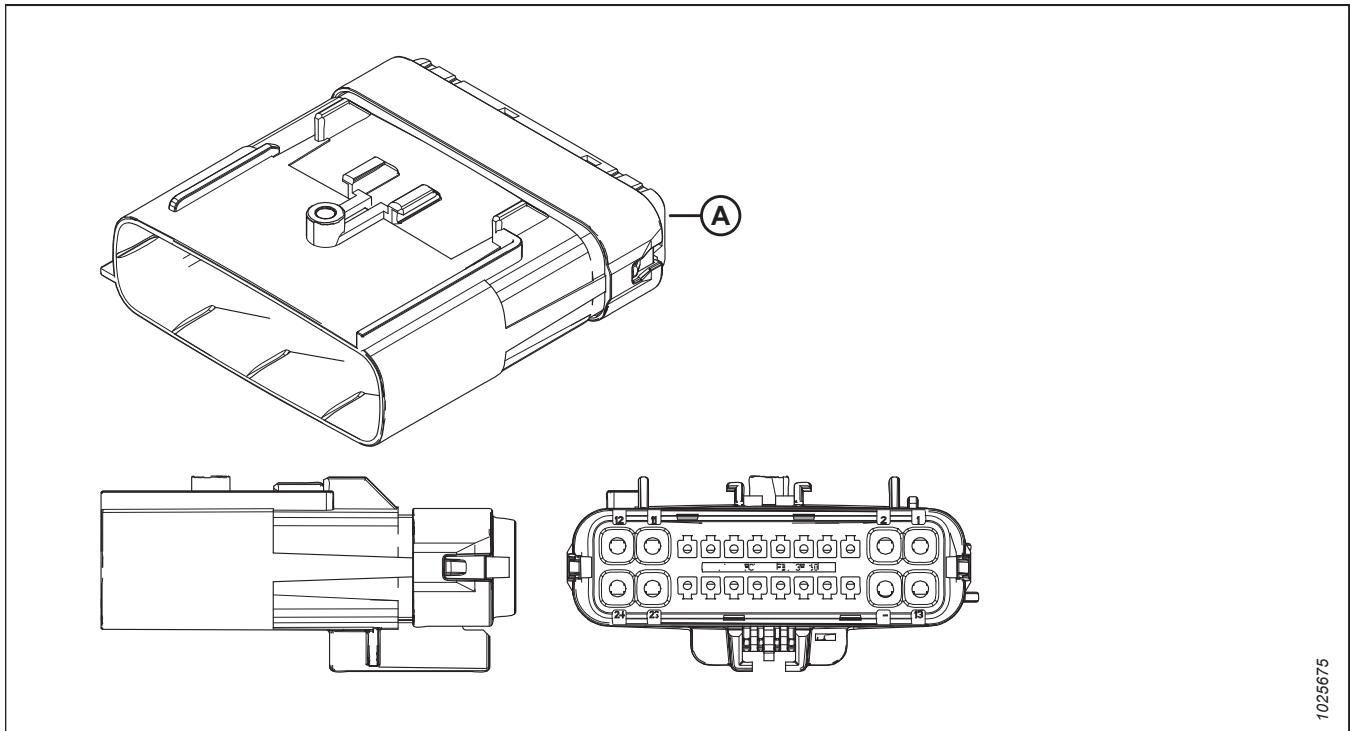
19.11



	MacDon Part #	Description	Manufacturer	Series	Manufacturer Part #
A		Connector – Receptacle	Deutsch	HD30	HD34-24-23PN-059
B	134023	Terminal – Pin	Deutsch	Size 16	0460-202-16141 (nickel), 0460-202-1631 (gold)
		Lock			
		Secondary Lock			
		Seal			
		Mating Connector			
		Extraction Tool			
		Crimp Tool			
		Cavity Plug			
		Boots/Caps			

Chapter 20: 24-Position Connectors

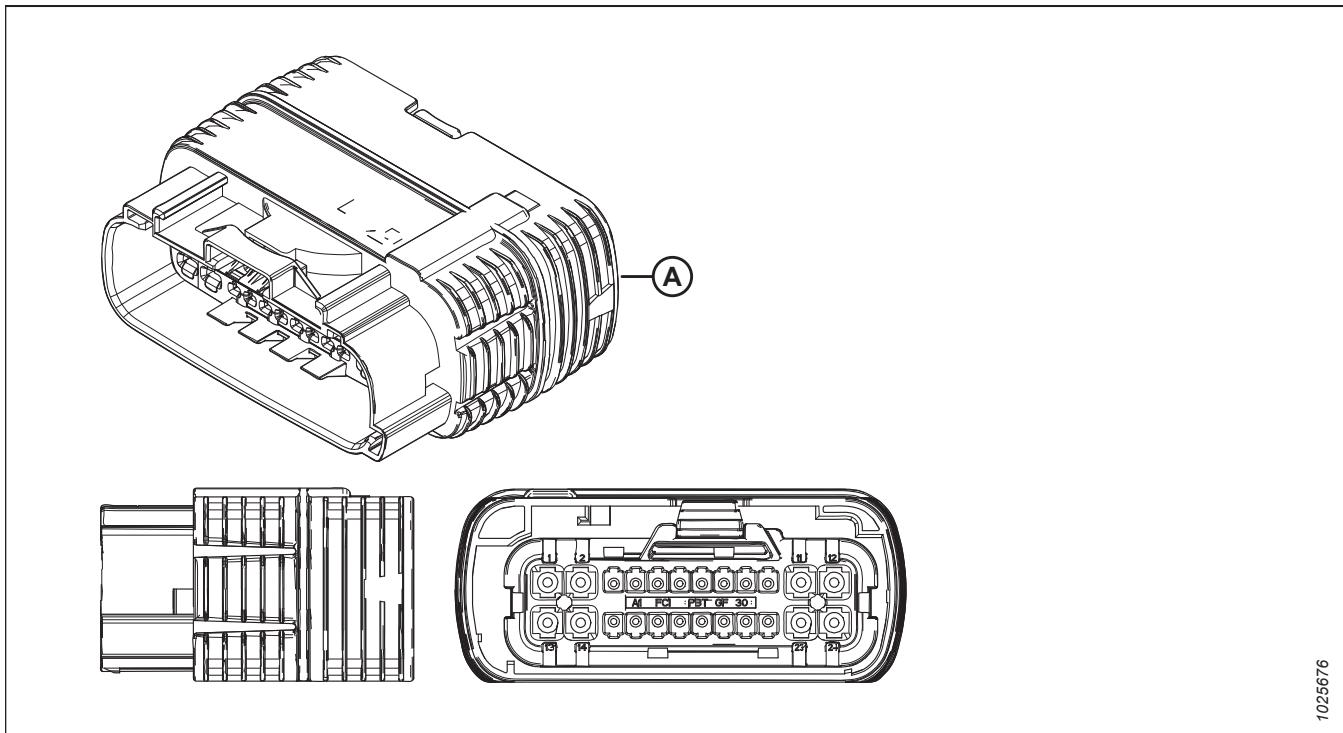
20.1



	MacDon Part #	Description	Manufacturer	Series	Manufacturer Part #
A		Connector – Receptacle	Delphi		F254000
		Terminal			
		Lock			
		Secondary Lock			
		Seal			
		Mating Connector			
		Extraction Tool			
		Crimp Tool			
		Cavity Plug			
		Boots/Caps			

24-POSITION CONNECTORS

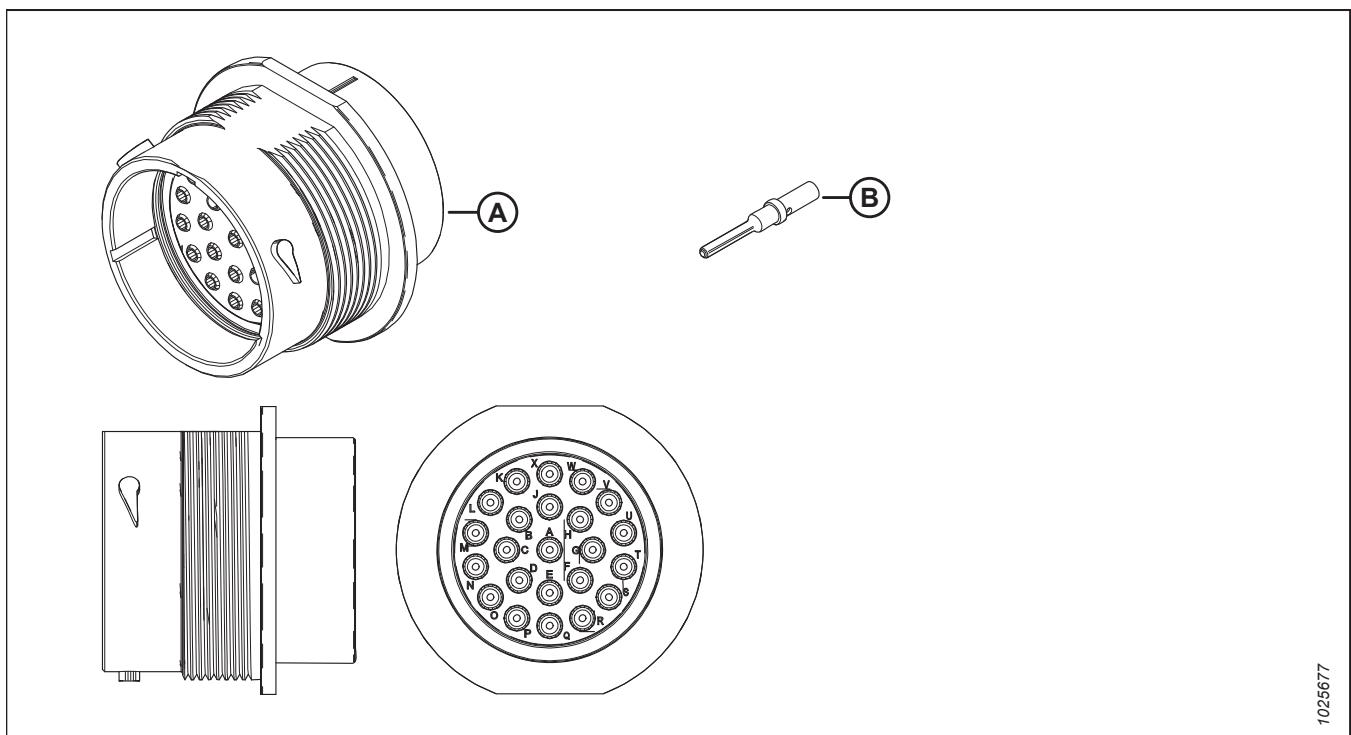
20.2



	MacDon Part #	Description	Manufacturer	Series	Manufacturer Part #
A		Connector – Plug	Delphi		F934000
		Terminal			
		Lock			
		Secondary Lock			
		Seal			
		Mating Connector			
		Extraction Tool			
		Crimp Tool			
		Cavity Plug			
		Boots/Caps			

24-POSITION CONNECTORS

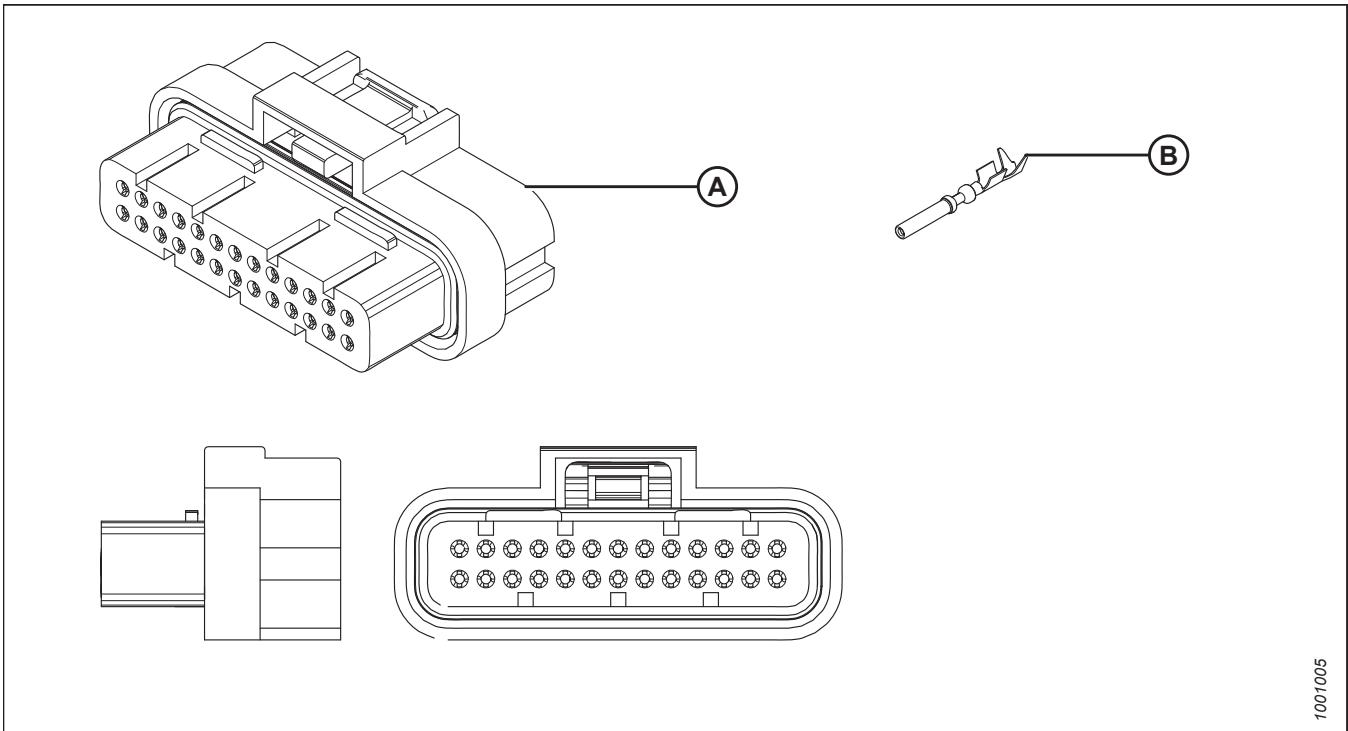
20.3



	MacDon Part #	Description	Manufacturer	Series	Manufacturer Part #
A		Connector – Receptacle	Deutsch	HDP20	HDP24-24-23PE
B	134023	Terminal – Pin	Deutsch	Size 16	0460-202-16141 (nickel), 0460-202-1631 (gold)
		Lock			
		Secondary Lock			
		Seal			
		Mating Connector			HDP26-24-23SE
		Extraction Tool			
		Crimp Tool			
		Cavity Plug			
		Boots/Caps			HD30-24BT-BK, 2411-001-2405, 2414-001-2486, HDC26-24

Chapter 21: 26-Position Connectors

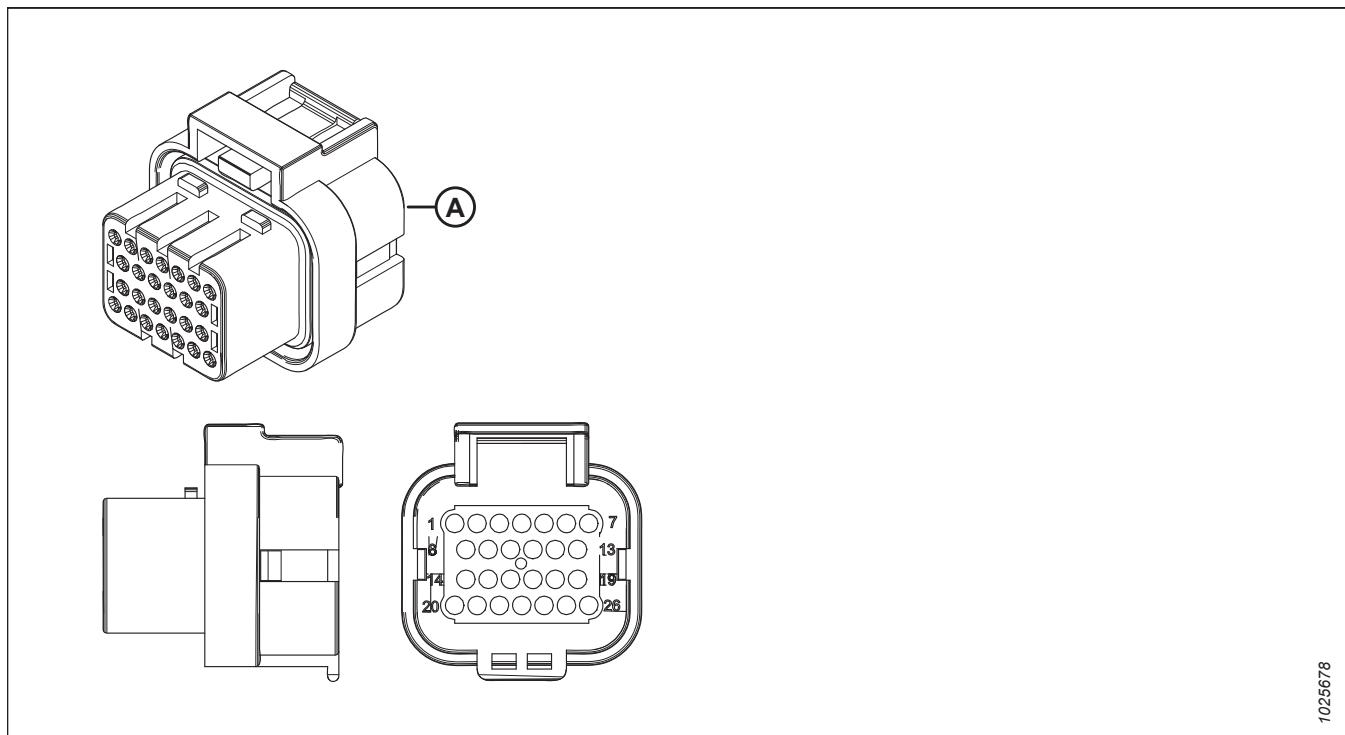
21.1



	MacDon Part #	Description	Manufacturer	Series	Manufacturer Part #	
A		Connector – Plug	Amp	SS	1473712-1	
B	134089	Terminal – Socket	Amp	SS	3-1447221-3	
	Mating Connector		Device CDM/WCM			
	Extraction Tool		Not Required			
	Crimp Tool					

26-POSITION CONNECTORS

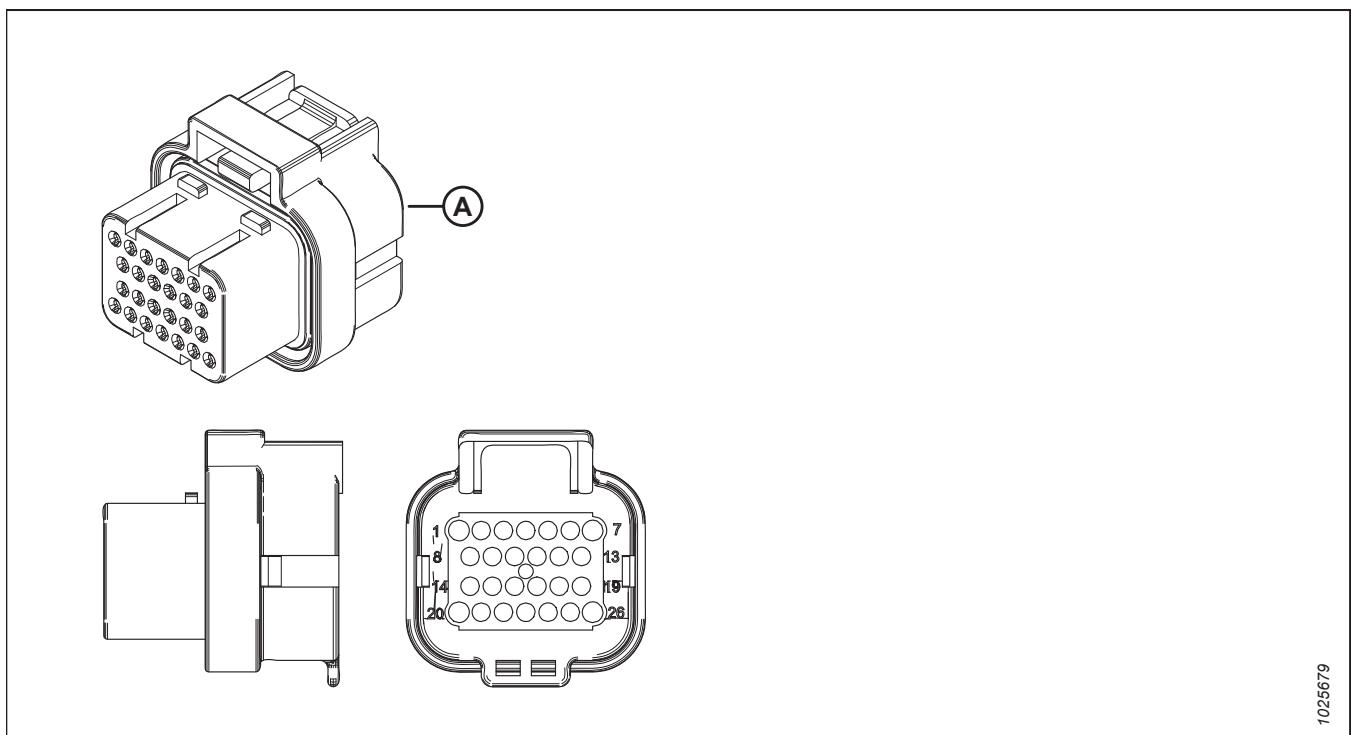
21.2



	MacDon Part #	Description	Manufacturer	Series	Manufacturer Part #
A		Connector – Plug	Tyco		1473416-1
		Terminal			
		Lock			
		Secondary Lock			
		Seal			
		Mating Connector			
		Extraction Tool			
		Crimp Tool			
		Cavity Plug			
		Boots/Caps			

26-POSITION CONNECTORS

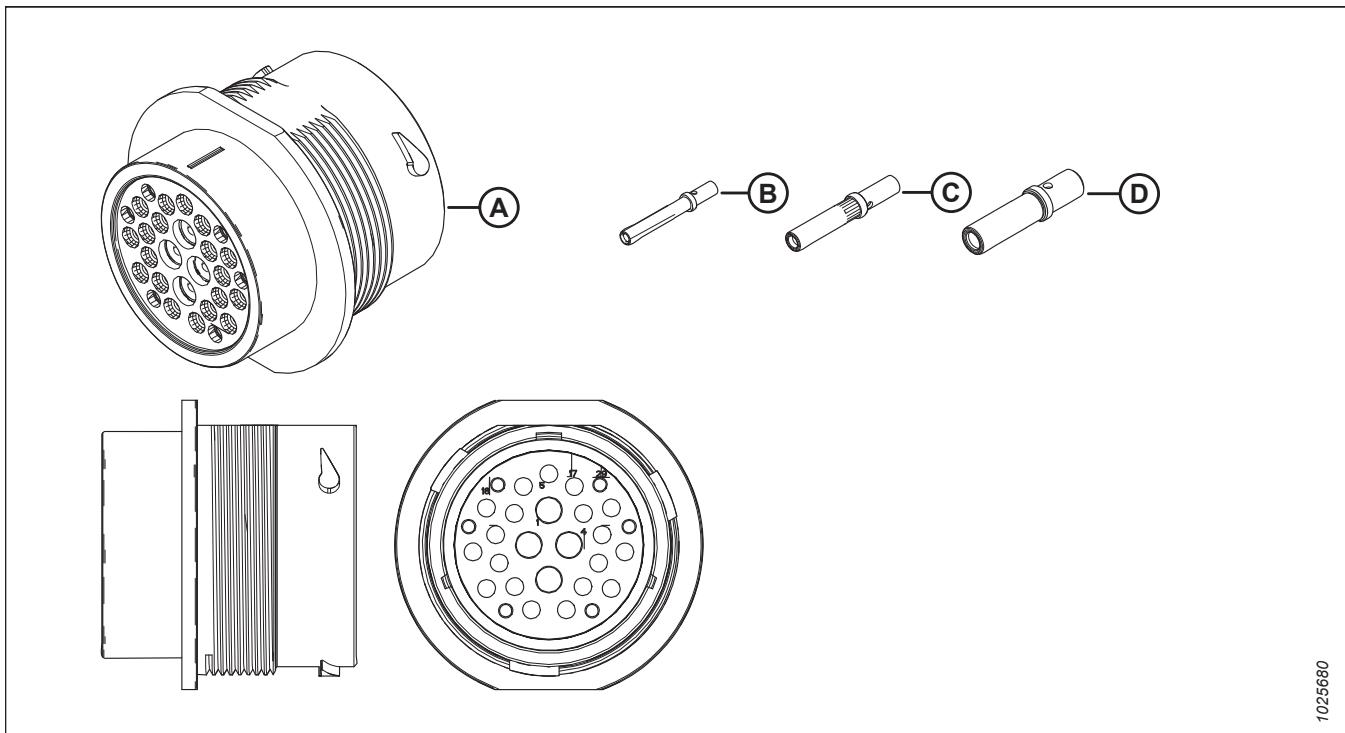
21.3



	MacDon Part #	Description	Manufacturer	Series	Manufacturer Part #
A		Connector – Plug	Tyco	1.0	3-1437290-8
		Terminal			
		Lock			
		Secondary Lock			
		Seal			
		Mating Connector			
		Extraction Tool			
		Crimp Tool			
		Cavity Plug			
		Boots/Caps			

Chapter 22: 29-Position Connectors

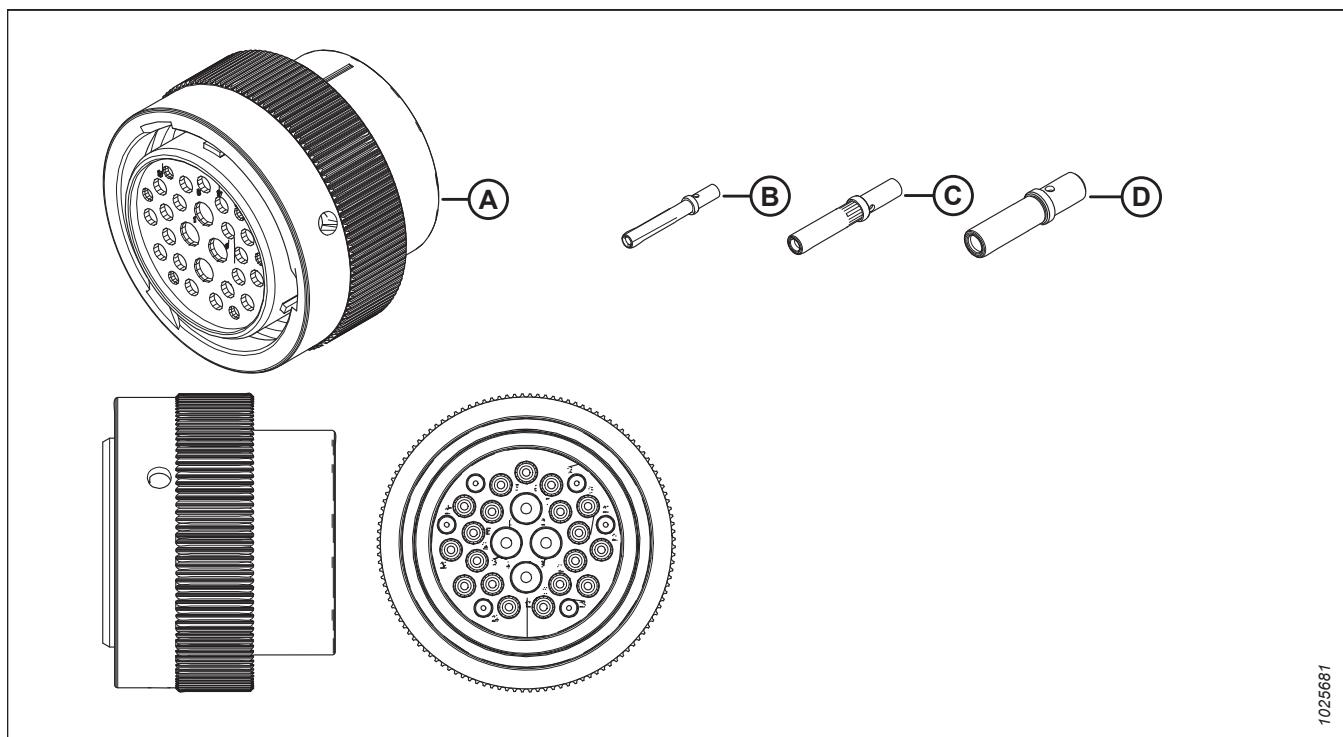
22.1



	MacDon Part #	Description	Manufacturer	Series	Manufacturer Part #
A		Connector – Receptacle	Deutsch	HDP20	HDP24-24-29SE
B	134017	Terminal – Socket		Size 20	0462-201-20141 (nickel), 0462-201-2031 (gold)
C	134026	Terminal – Socket		Size 16	0462-201-16141 (nickel), 0462-201-1631 (gold)
D	134027	Terminal – Socket		Size 12	0462-203-12141 (nickel), 0462-210-1231 (gold)
		Mating Connector	HDP26-24-29PE		
		Boots/Caps	2411-001-2405, 2414-001-2486, HD30-24BT-BK, HDC26-24		

29-POSITION CONNECTORS

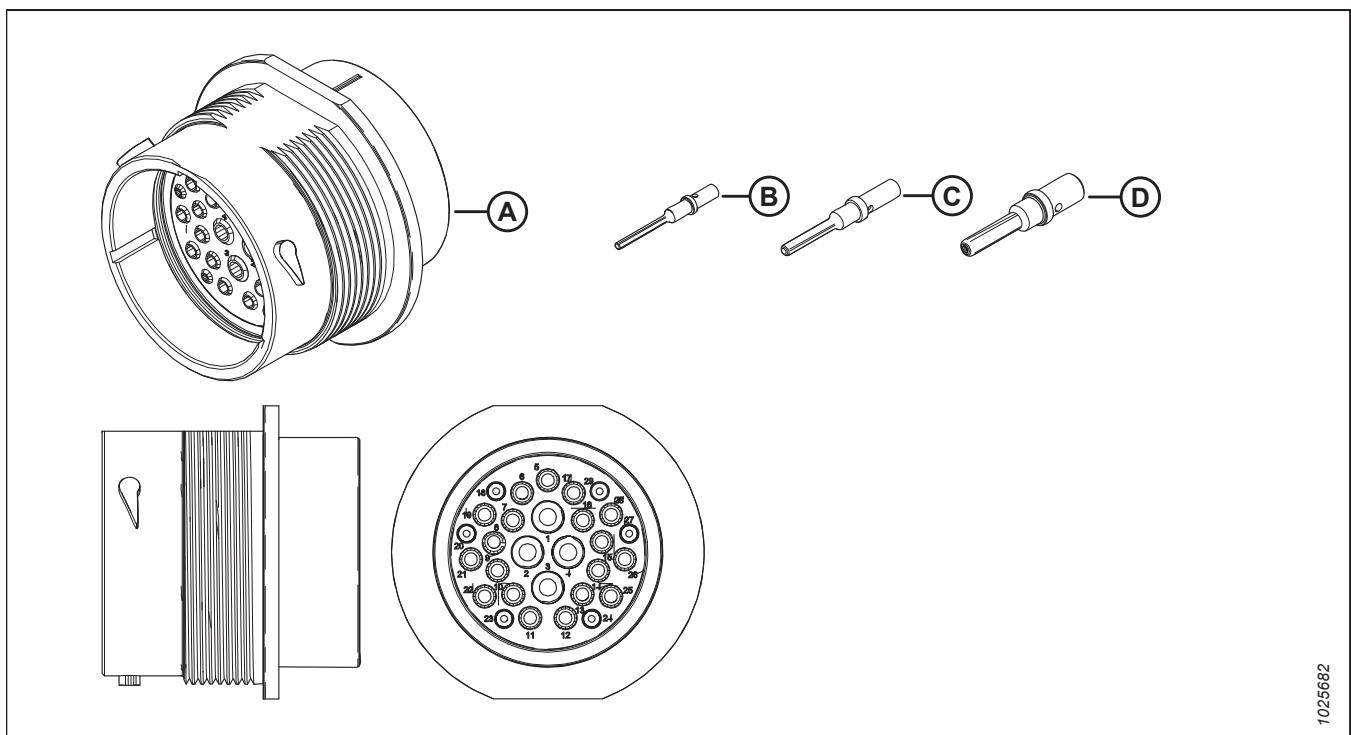
22.2



	MacDon Part #	Description	Manufacturer	Series	Manufacturer Part #
A		Connector – Plug	Deutsch	HDP20	HDP26-24-29SE
B	134017	Terminal – Socket		Size 20	0462-201-20141 (nickel), 0462-201-2031 (gold)
C	134026	Terminal – Socket		Size 16	0462-201-16141 (nickel), 0462-201-1631 (gold)
D	134027	Terminal – Socket		Size 12	0462-203-12141 (nickel), 0462-210-1231 (gold)
		Mating Connector	HDP24-24-29PE		
		Boots/Caps	2411-001-2405, 2414-001-2486, HD30-24BT-BK, HDC26-24		

29-POSITION CONNECTORS

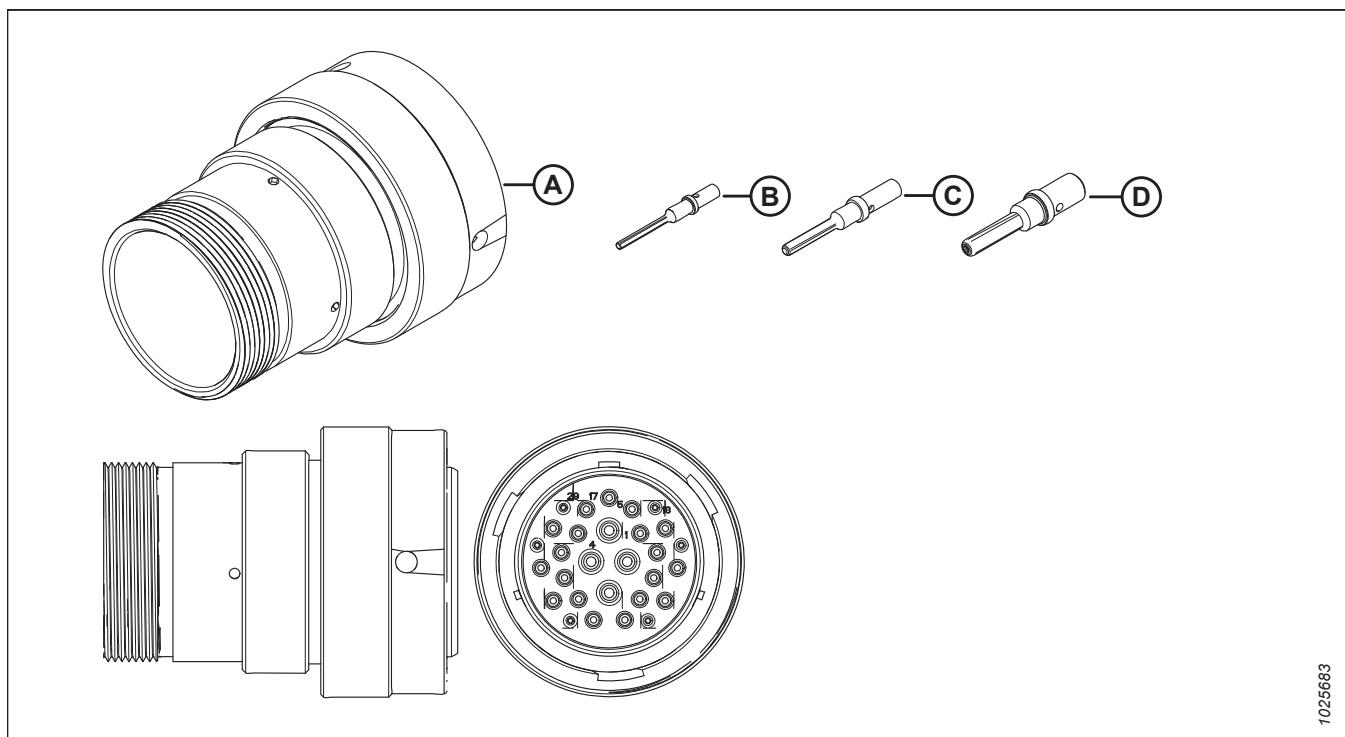
22.3



	MacDon Part #	Description	Manufacturer	Series	Manufacturer Part #
A		Connector – Receptacle	Deutsch	HDP20	HDP24-24-29PE
B	134016	Terminal – Pin		Size 20	0460-202-20141 (nickel), 0460-202-2031 (gold)
C	134023	Terminal – Pin		Size 16	0460-202-16141 (nickel), 0460-202-1631 (gold)
D	134024	Terminal – Pin		Size 12	0460-204-12141 (nickel), 0460-220-1231 (gold)
		Mating Connector	HDP26-24-29SE		
		Boots/Caps	HD30-24BT-BK, 2411-001-2405, 2414-001-2486, HDC26-24		

29-POSITION CONNECTORS

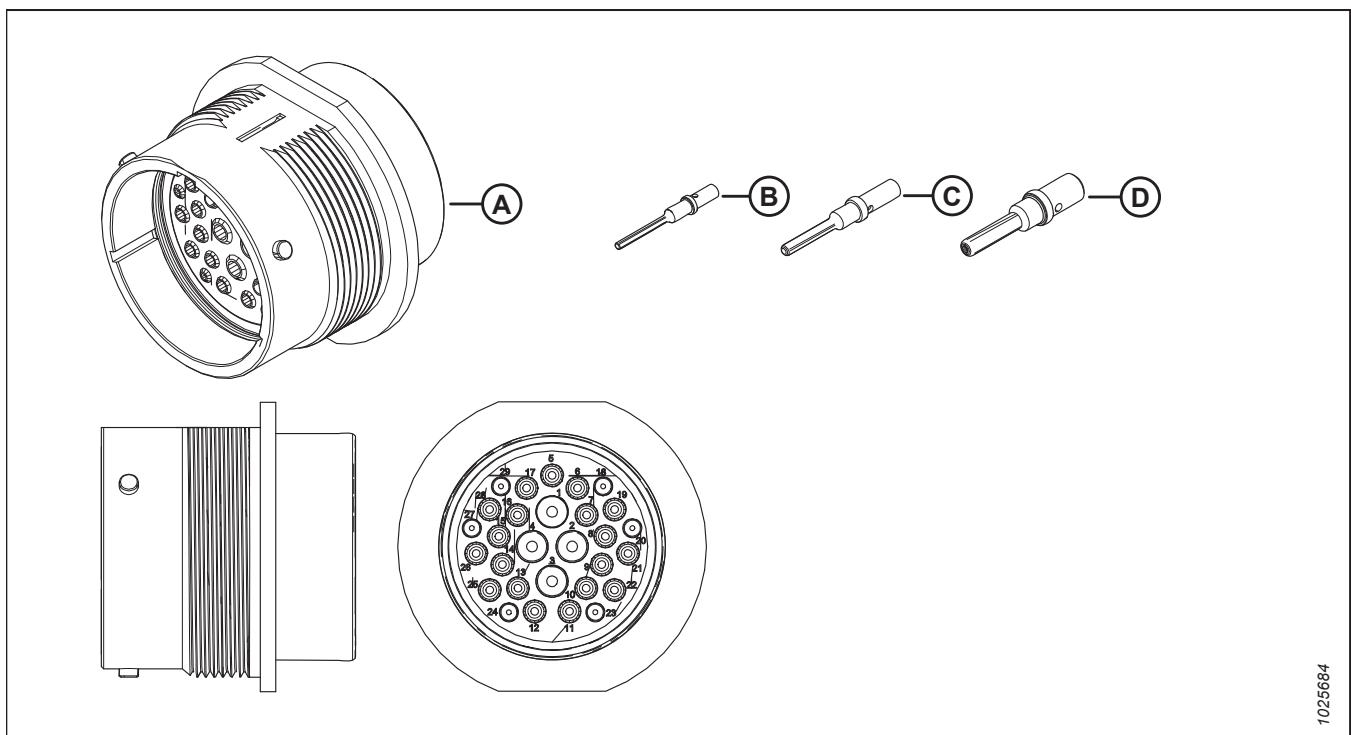
22.4



	MacDon Part #	Description	Manufacturer	Series	Manufacturer Part #
A		Connector – Plug	Deutsch	HD30	HD36-24-29PE-072
B	134016	Terminal – Pin		Size 20	0460-202-20141 (nickel), 0460-202-2031 (gold)
C	134023	Terminal – Pin		Size 16	0460-202-16141 (nickel), 0460-202-1631 (gold)
D	134024	Terminal – Pin		Size 12	0460-204-12141 (nickel), 0460-220-1231 (gold)
		Lock			
		Secondary Lock			
		Seal			
		Mating Connector			

29-POSITION CONNECTORS

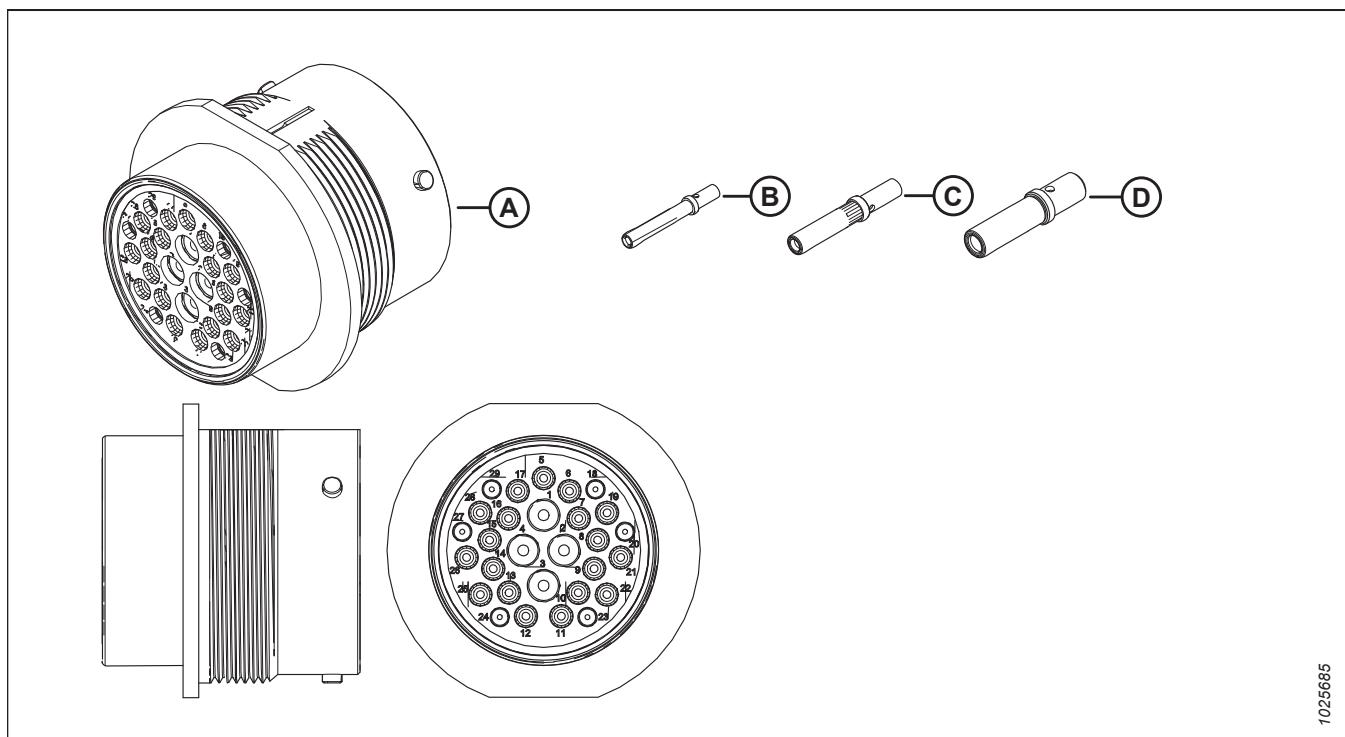
22.5



	MacDon Part #	Description	Manufacturer	Series	Manufacturer Part #
A		Connector – Receptacle	Deutsch	HD30	HD34-24-29PE
B	134016	Terminal – Pin		Size 20	0460-202-20141 (nickel), 0460-202-2031 (gold)
C	134023	Terminal – Pin		Size 16	0460-202-16141 (nickel), 0460-202-1631 (gold)
D	134024	Terminal – Pin		Size 12	0460-204-12141 (nickel), 0460-220-1231 (gold)
		Lock			
		Secondary Lock			
		Seal			
		Mating Connector			

29-POSITION CONNECTORS

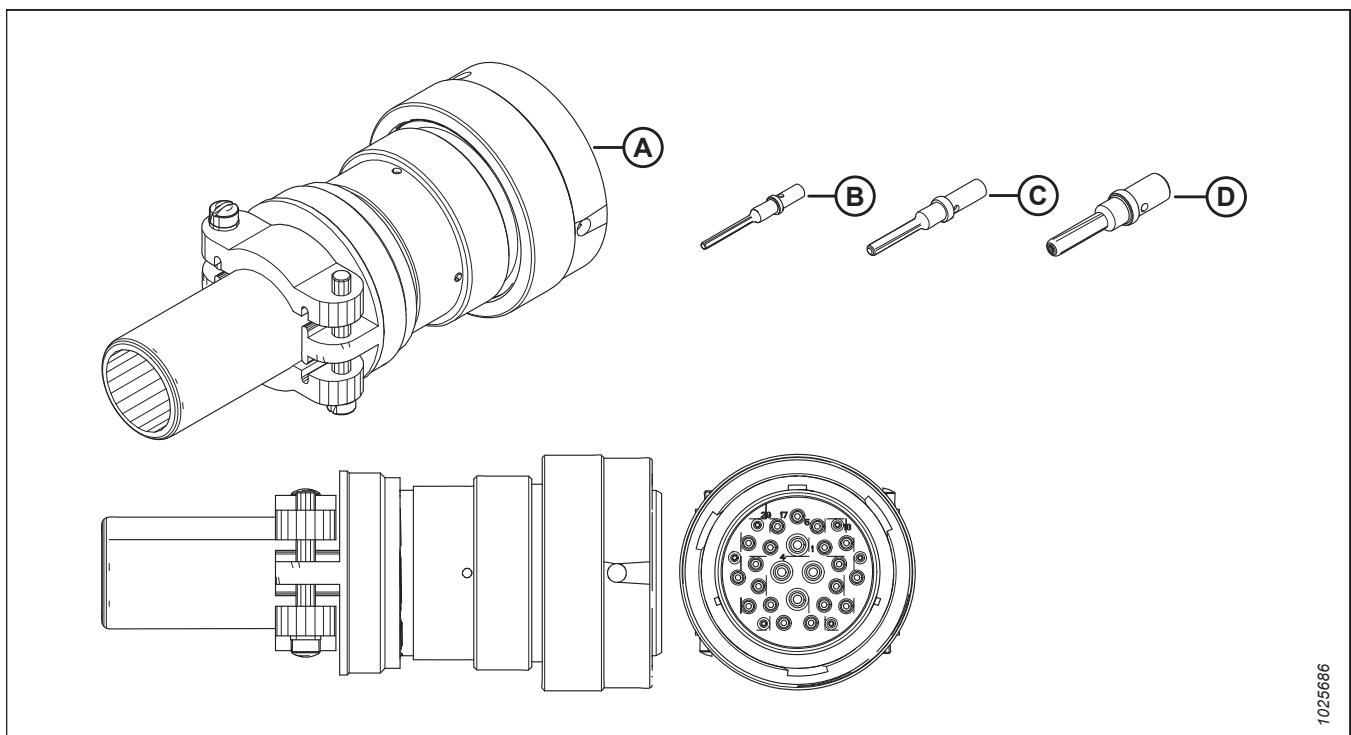
22.6



	MacDon Part #	Description	Manufacturer	Series	Manufacturer Part #
A		Connector – Receptacle	Deutsch	HD30	HD34-24-29SE
B	134017	Terminal – Socket		Size 20	0462-201-20141 (nickel), 0462-201-2031 (gold)
C	134026	Terminal – Socket		Size 16	0462-201-16141 (nickel), 0462-201-1631 (gold)
D	134027	Terminal – Socket		Size 12	0462-203-12141 (nickel), 0462-210-1231 (gold)
		Lock			
		Secondary Lock			
		Seal			
		Mating Connector			

29-POSITION CONNECTORS

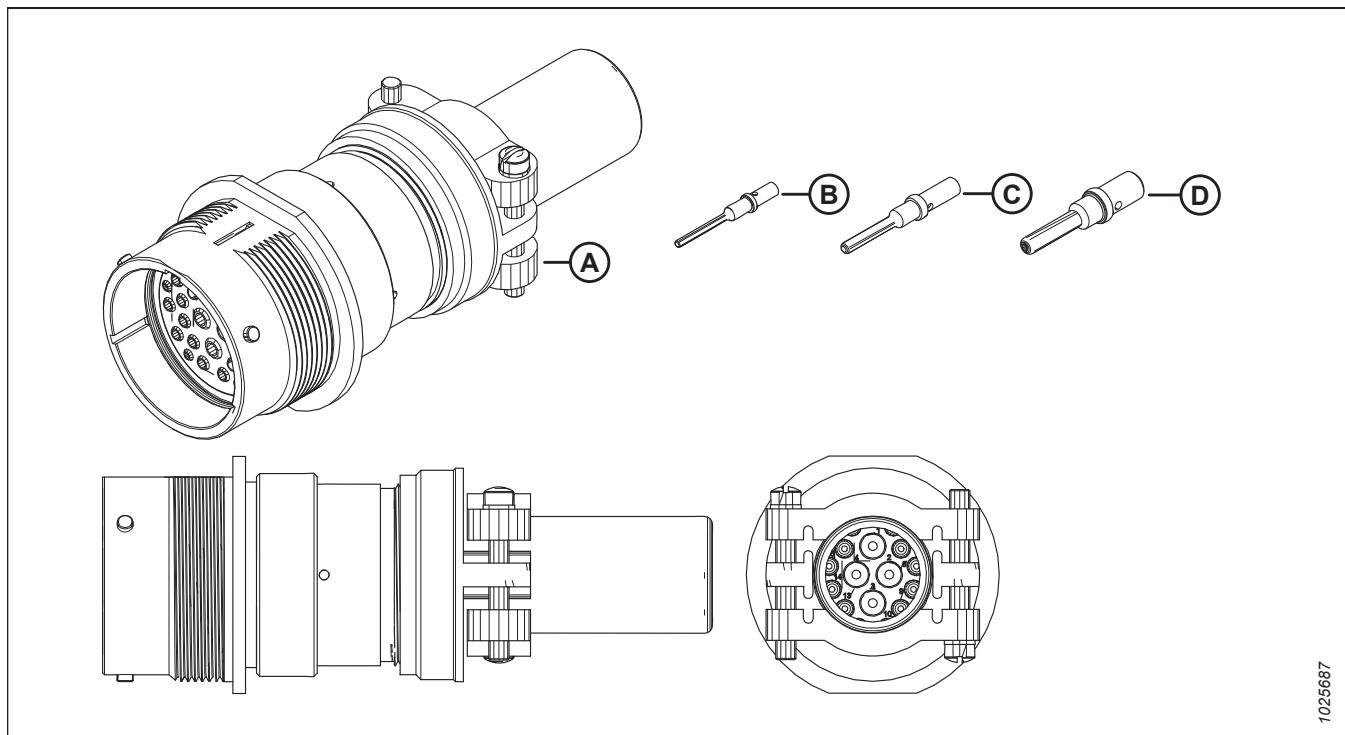
22.7



	MacDon Part #	Description	Manufacturer	Series	Manufacturer Part #
A		Connector – Plug	Deutsch	HD30	HD36-24-29PE-059
B	134016	Terminal – Pin		Size 20	0460-202-20141 (nickel), 0460-202-2031 (gold)
C	134023	Terminal – Pin		Size 16	0460-202-16141 (nickel), 0460-202-1631 (gold)
D	134024	Terminal – Pin		Size 12	0460-204-12141 (nickel), 0460-220-1231 (gold)
		Lock			
		Secondary Lock			
		Seal			
		Mating Connector			

29-POSITION CONNECTORS

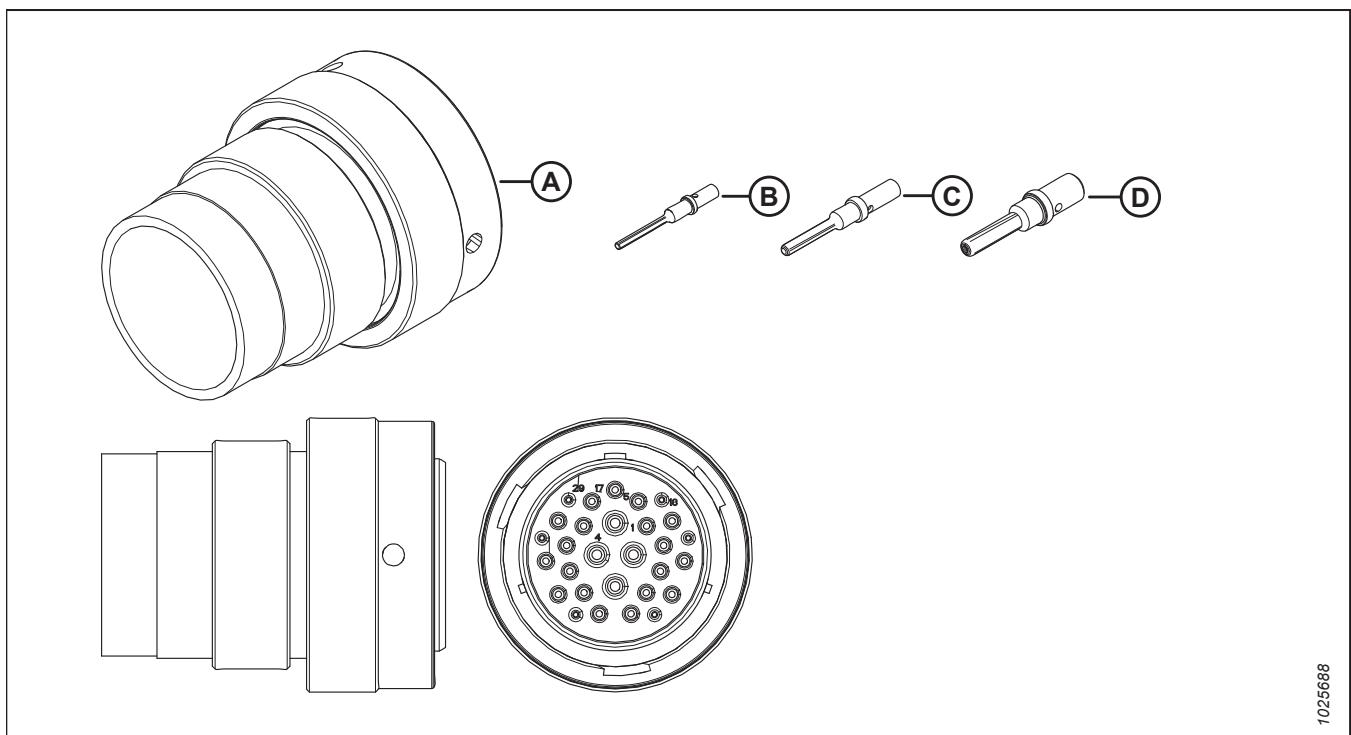
22.8



	MacDon Part #	Description	Manufacturer	Series	Manufacturer Part #
A		Connector – Receptacle	Deutsch	HD30	HD34-24-29PE-059
B	134016	Terminal – Pin		Size 20	0460-202-20141 (nickel), 0460-202-2031 (gold)
C	134023	Terminal – Pin		Size 16	0460-202-16141 (nickel), 0460-202-1631 (gold)
D	134024	Terminal – Pin		Size 12	0460-204-12141 (nickel), 0460-220-1231 (gold)
		Lock			
		Secondary Lock			
		Seal			
		Mating Connector			

29-POSITION CONNECTORS

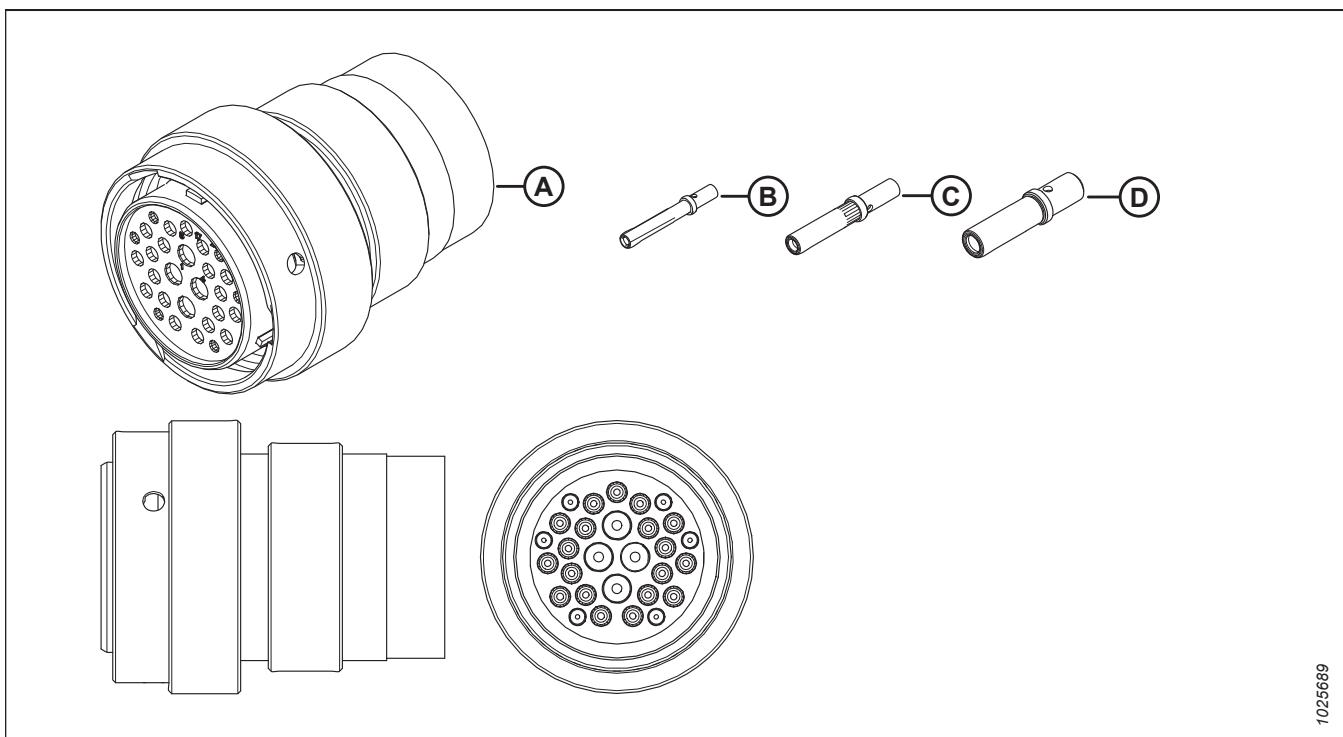
22.9



	MacDon Part #	Description	Manufacturer	Series	Manufacturer Part #
A		Connector	Deutsch	HDP20	HDP26-24-29PE-072
B	134016	Terminal – Pin		Size 20	0460-202-20141 (nickel), 0460-202-2031 (gold)
C	134023	Terminal – Pin		Size 16	0460-202-16141 (nickel), 0460-202-1631 (gold)
D	134024	Terminal – Pin		Size 12	0460-204-12141 (nickel), 0460-220-1231 (gold)
		Lock			
		Secondary Lock			
		Seal			
		Mating Connector			

29-POSITION CONNECTORS

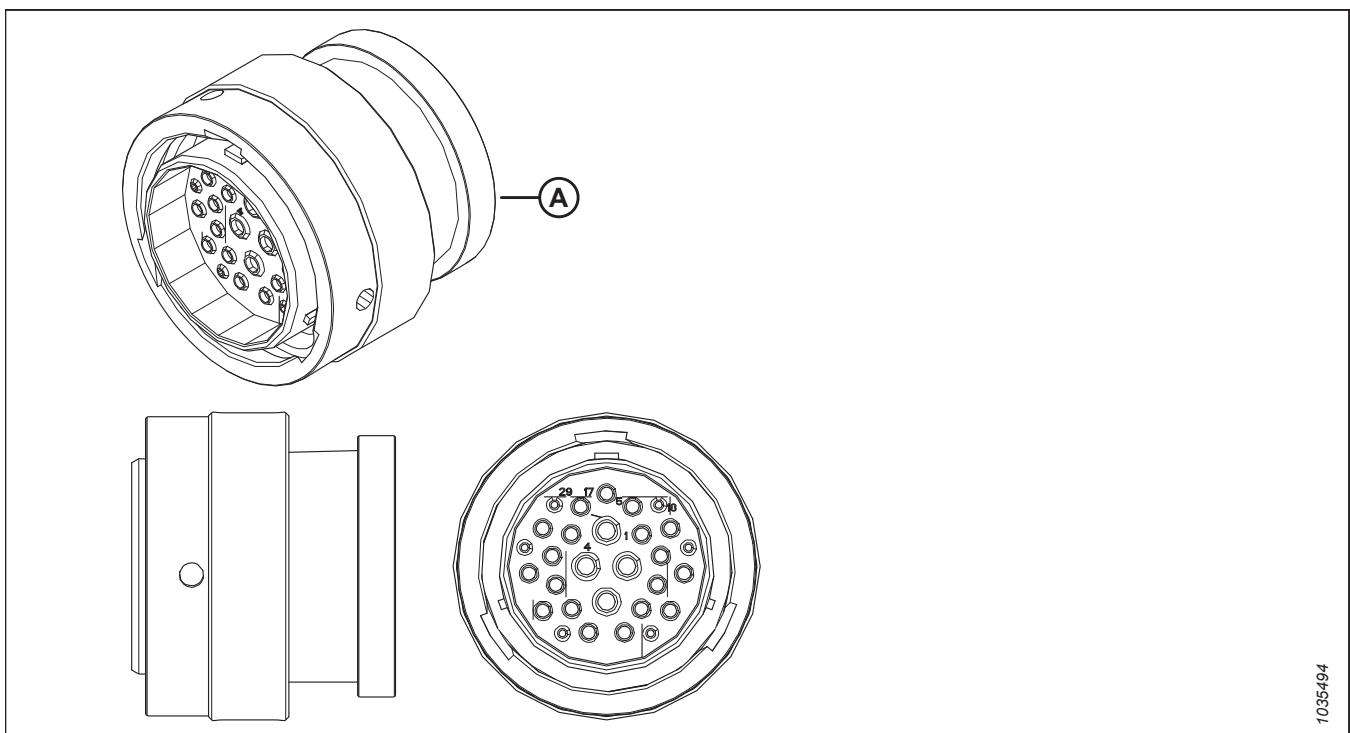
22.10



	MacDon Part #	Description	Manufacturer	Series	Manufacturer Part #
A		Connector	Deutsch	HDP30	HDP36-24-29SE-072
B	134017	Terminal – Socket		Size 20	0462-201-20141 (nickel), 0462-201-2031 (gold)
C	134026	Terminal – Socket		Size 16	0462-201-16141 (nickel), 0462-201-1631 (gold)
D	134027	Terminal – Socket		Size 12	0462-203-12141 (nickel), 0462-210-1231 (gold)
		Lock			
		Secondary Lock			
		Seal			
		Mating Connector			

29-POSITION CONNECTORS

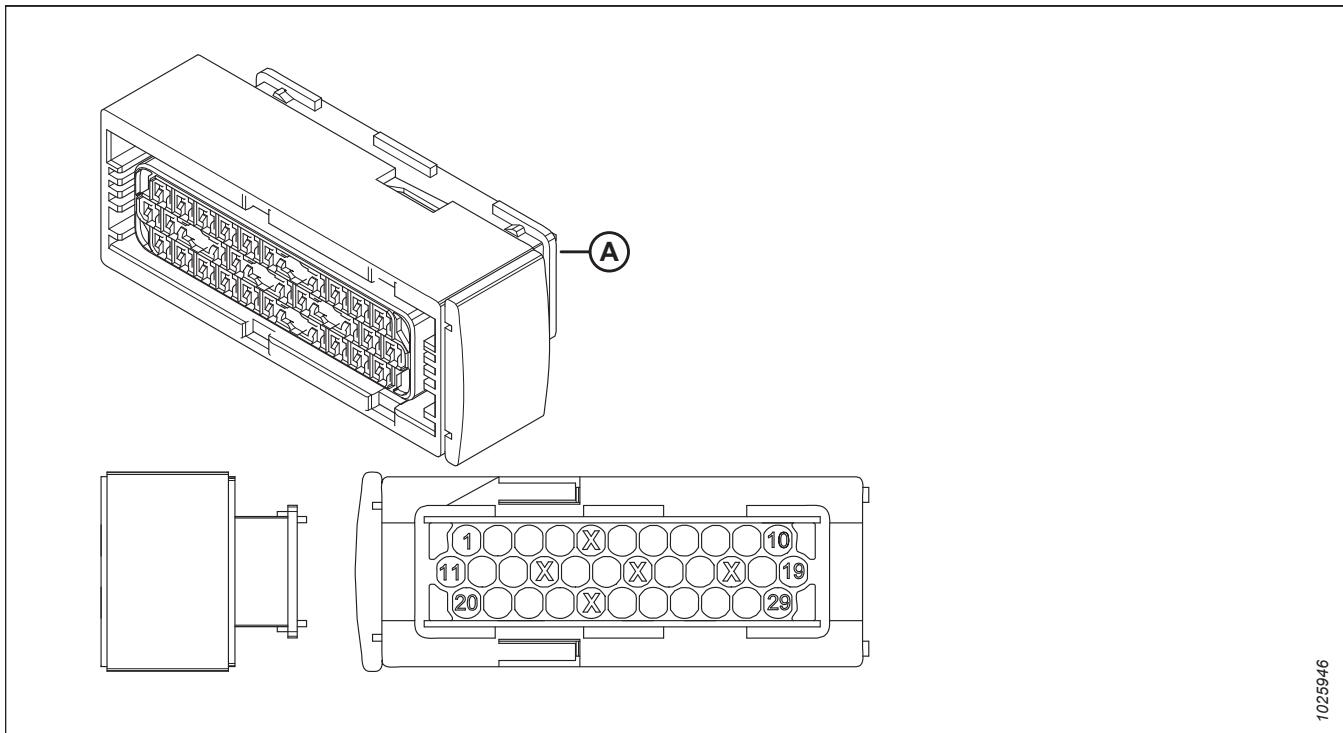
22.11



	MacDon Part #	Description	Manufacturer	Series	Manufacturer Part #
A		Connector – Plug	Deutsch	HDP20	HDP26-24-29PE-L017
B		Terminal			
		Lock			
		Secondary Lock			
		Seal			
		Mating Connector			
		Extraction Tool			
		Crimp Tool			
		Cavity Plug			
		Boots/Caps			

29-POSITION CONNECTORS

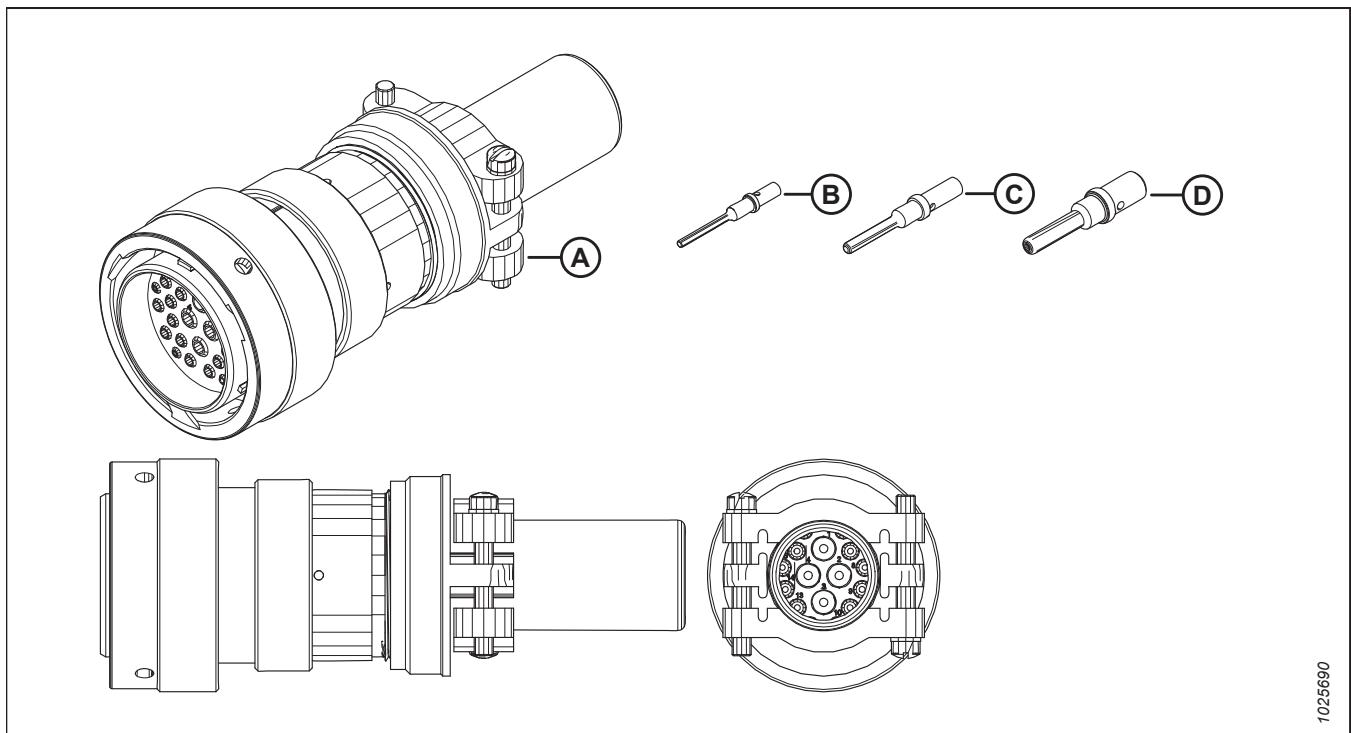
22.12



	MacDon Part #	Description	Manufacturer	Series	Manufacturer Part #
A		Connector – Receptacle	Tyco	JPT	1-963449-2
		Terminal			
		Lock			
		Secondary Lock			
		Seal			
		Mating Connector			
		Extraction Tool			
		Crimp Tool			
		Cavity Plug			
		Boots/Caps			

29-POSITION CONNECTORS

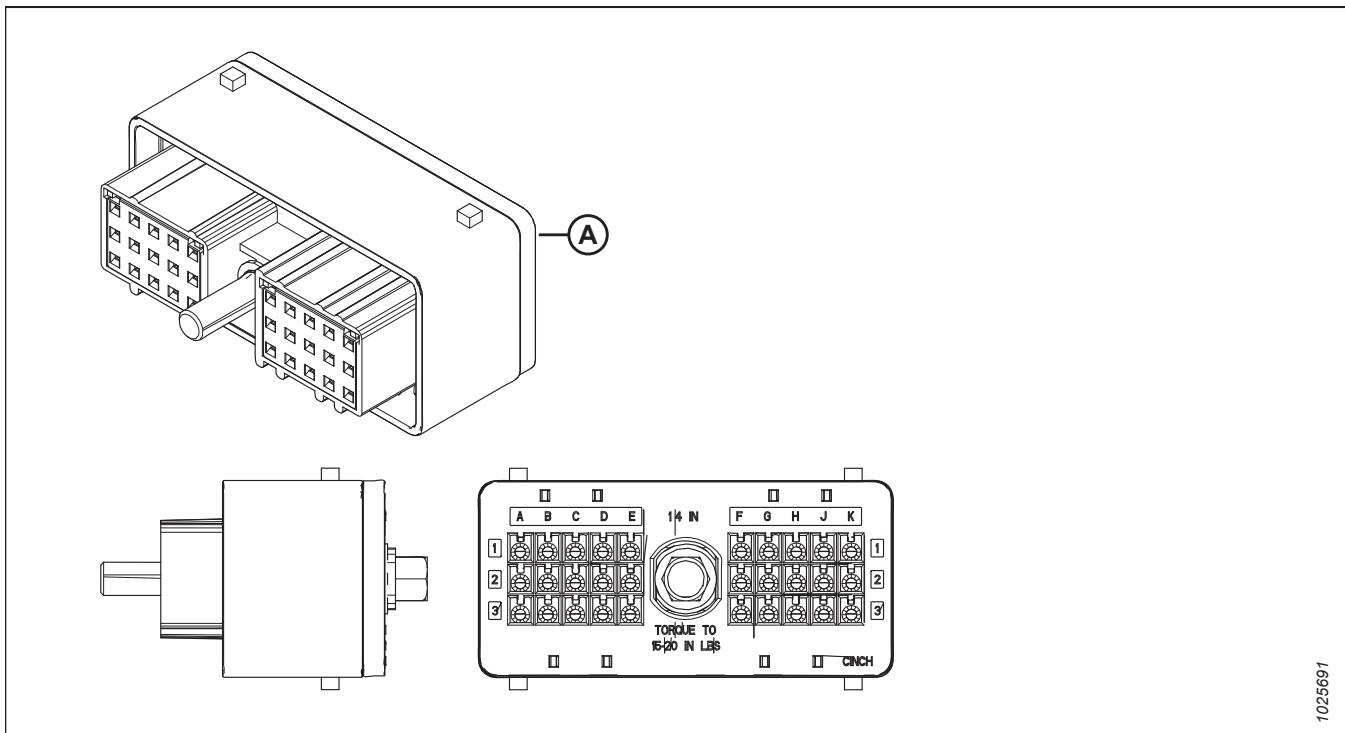
22.13



	MacDon Part #	Description	Manufacturer	Series	Manufacturer Part #
A		Connector	Deutsch	HDP20	HDP26-24-29PE-L017
B	134016	Terminal – Pin		Size 20	0460-202-20141 (nickel), 0460-202-2031 (gold)
C	134023	Terminal – Pin		Size 16	0460-202-16141 (nickel), 0460-202-1631 (gold)
D	134024	Terminal – Pin		Size 12	0460-204-12141 (nickel), 0460-220-1231 (gold)
		Lock			
		Secondary Lock			
		Seal			
		Mating Connector			

Chapter 23: 30-Position Connectors

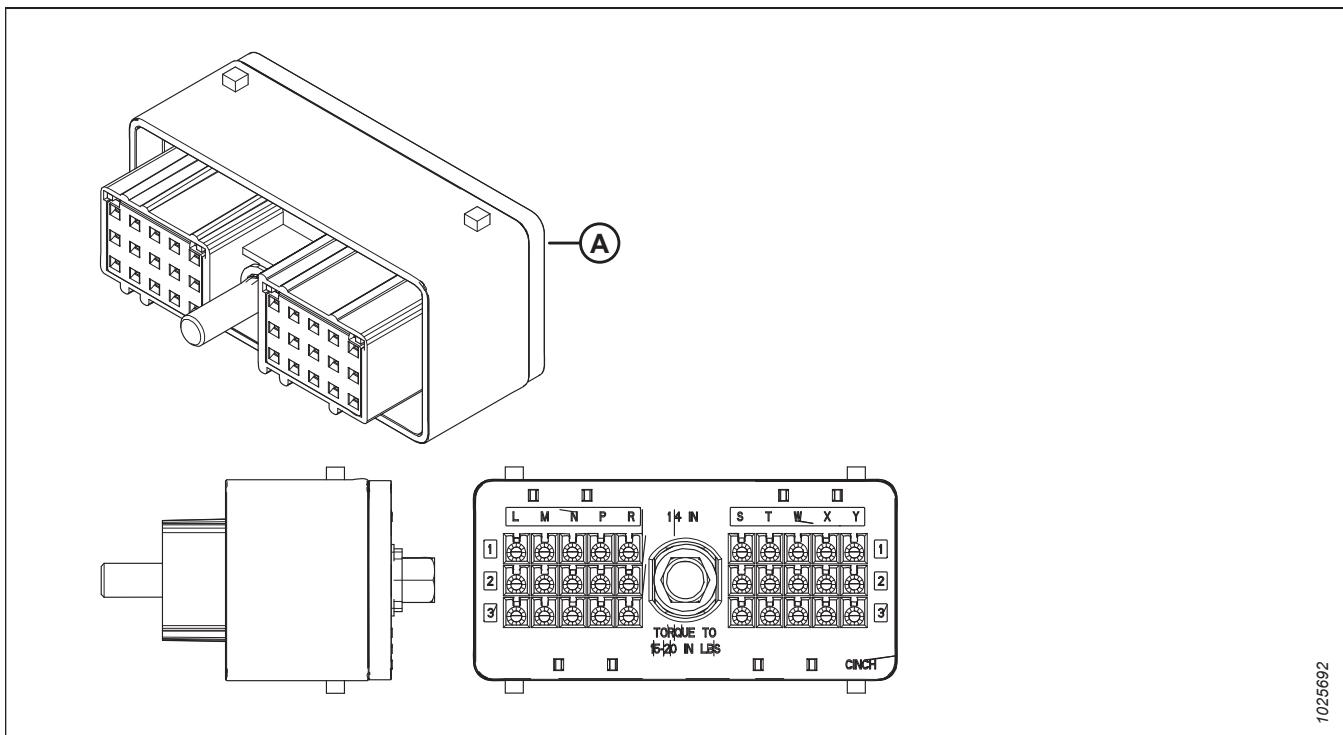
23.1



	MacDon Part #	Description	Manufacturer	Series	Manufacturer Part #
A		Connector – Plug (Terminal Columns Labeled A-J)	3M		5810130029
		Terminal			
		Lock			
		Secondary Lock			
		Seal			
		Mating Connector			
		Extraction Tool			
		Crimp Tool			
		Cavity Plug			
		Boots/Caps			

30-POSITION CONNECTORS

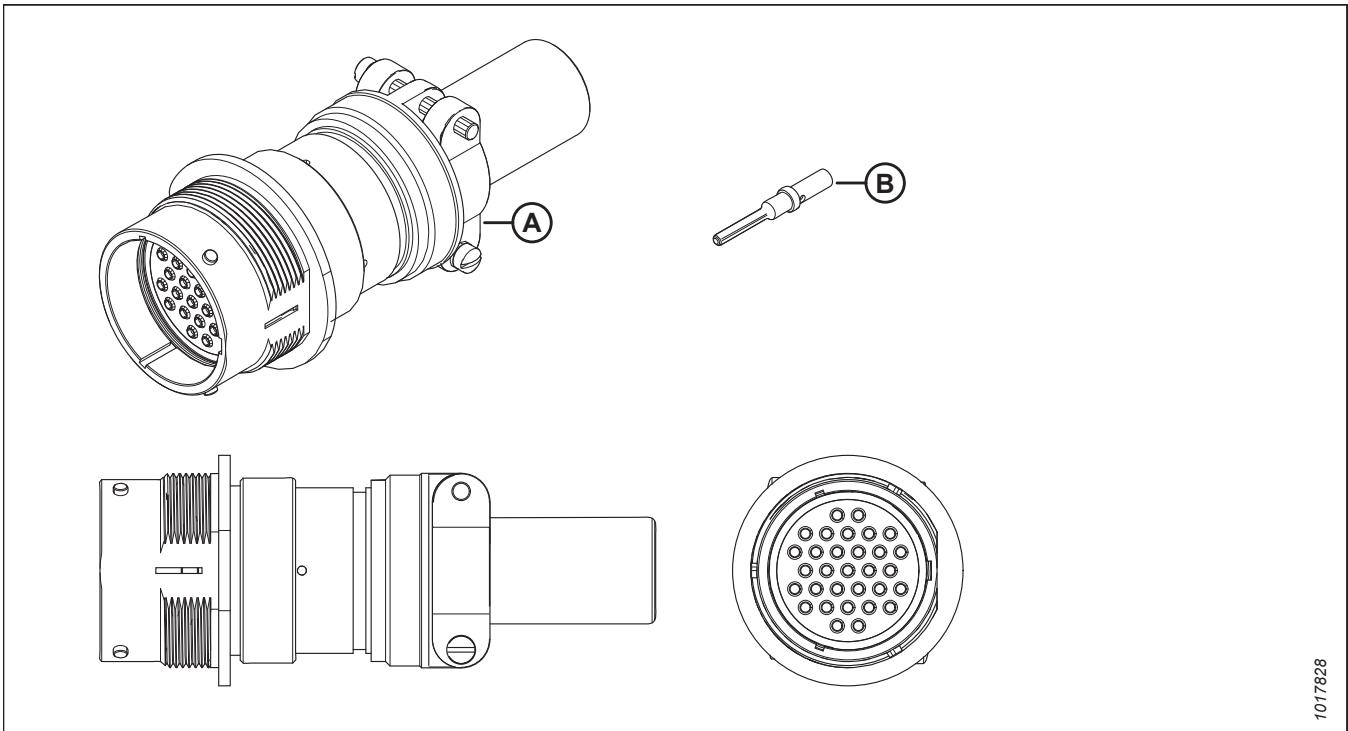
23.2



	MacDon Part #	Description	Manufacturer	Series	Manufacturer Part #
A		Connector – Plug (Terminal Columns Labeled L-Y)	3M		5810130028
		Terminal			
		Lock			
		Secondary Lock			
		Seal			
		Mating Connector			
		Extraction Tool			
		Crimp Tool			
		Cavity Plug			
		Boots/Caps			

Chapter 24: 31-Position Connectors

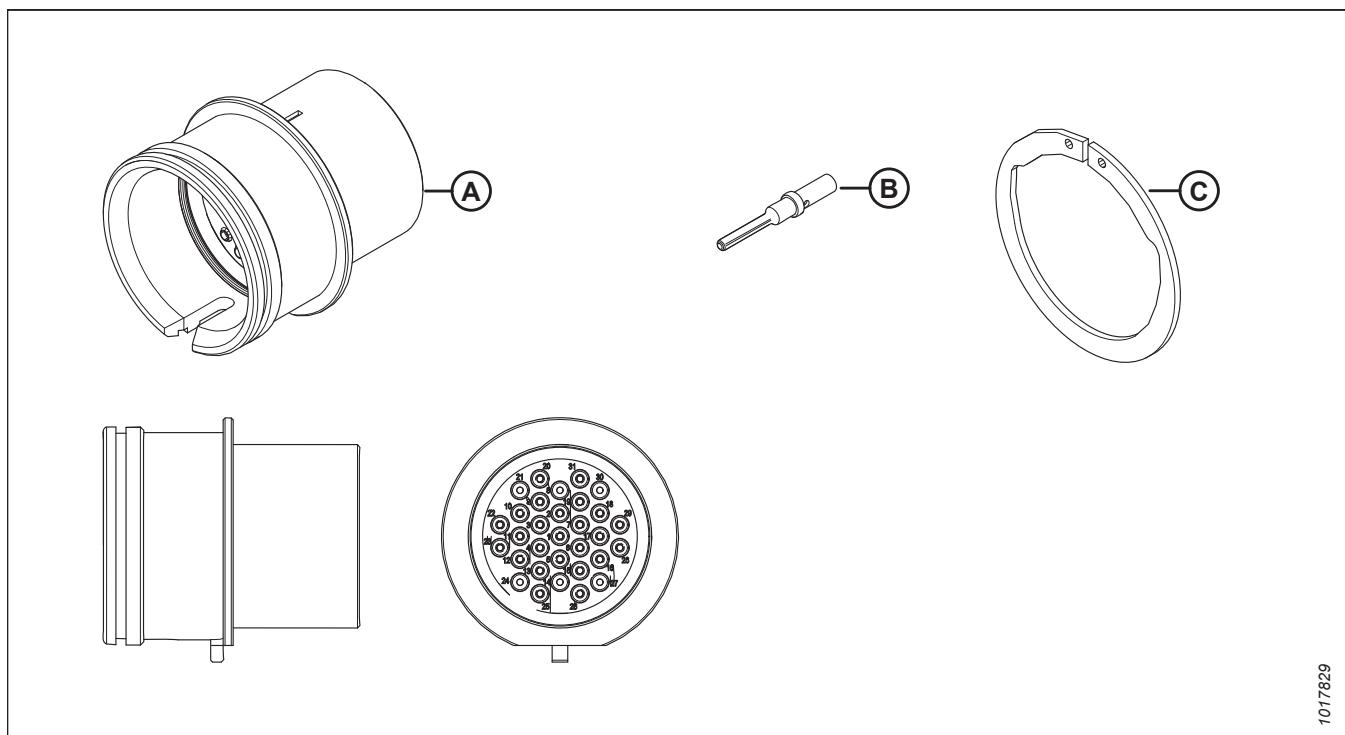
24.1



	MacDon Part #	Description	Manufacturer	Series	Manufacturer Part #	
A		Connector – Receptacle	Deutsch	HD30	HD34-24-31PT-059	
B	134023	Terminal – Pin		Size 16	0460-202-16141 (nickel), 0460-202-1631 (gold)	
	Mating Connector		HD36-24-31ST			
	Extraction Tool					
	Crimp Tool					

31-POSITION CONNECTORS

24.2

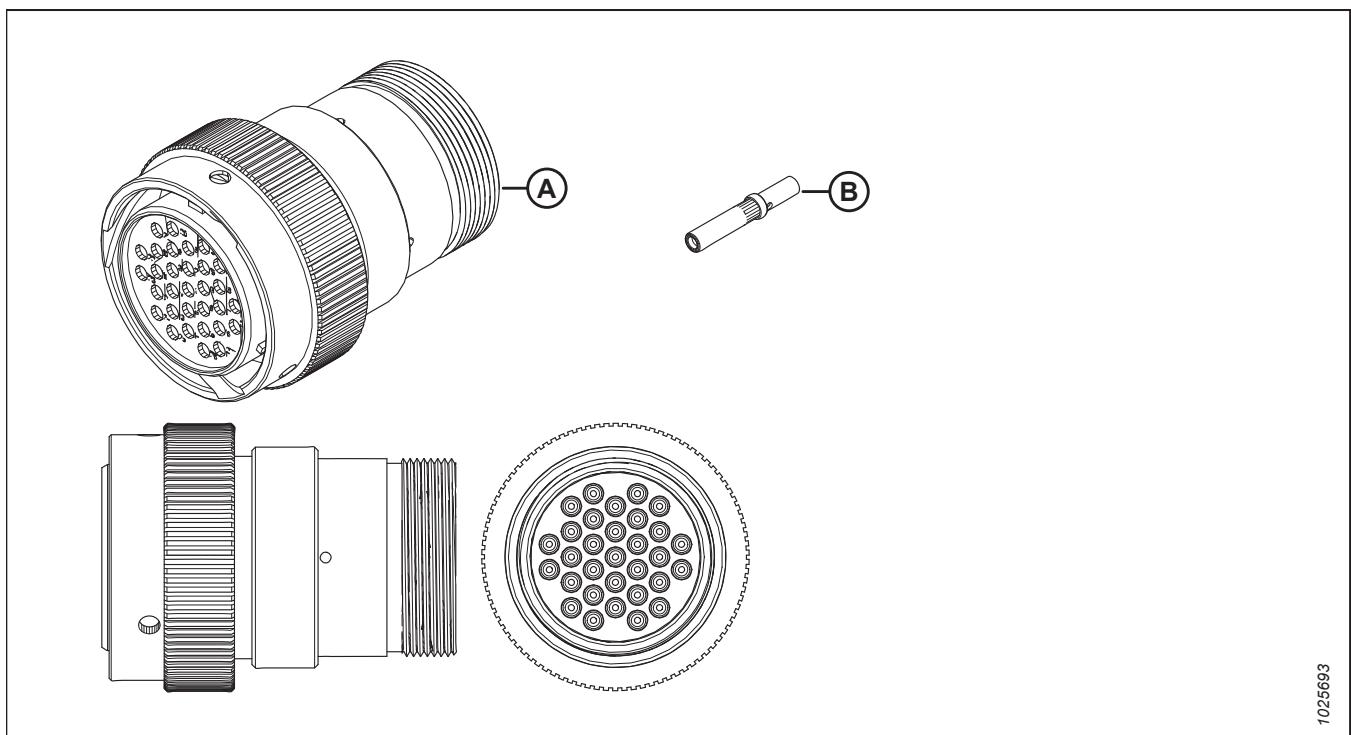


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	MacDon Part #	Description	Manufacturer	Series	Manufacturer Part #	
A		Connector – Receptacle	Deutsch	HD30	HD34-24-31PT-B019	
B	134023	Terminal – Pin		Size 16	0460-202-16141 (nickel), 0460-202-1631 (gold)	
C	135267	Ring – Inverted Ext. Retaining	Rotor Clip		SHI-177	
		Mating Connector	HD36-24-31ST-B019			
		Extraction Tool				
		Crimp Tool				

31-POSITION CONNECTORS

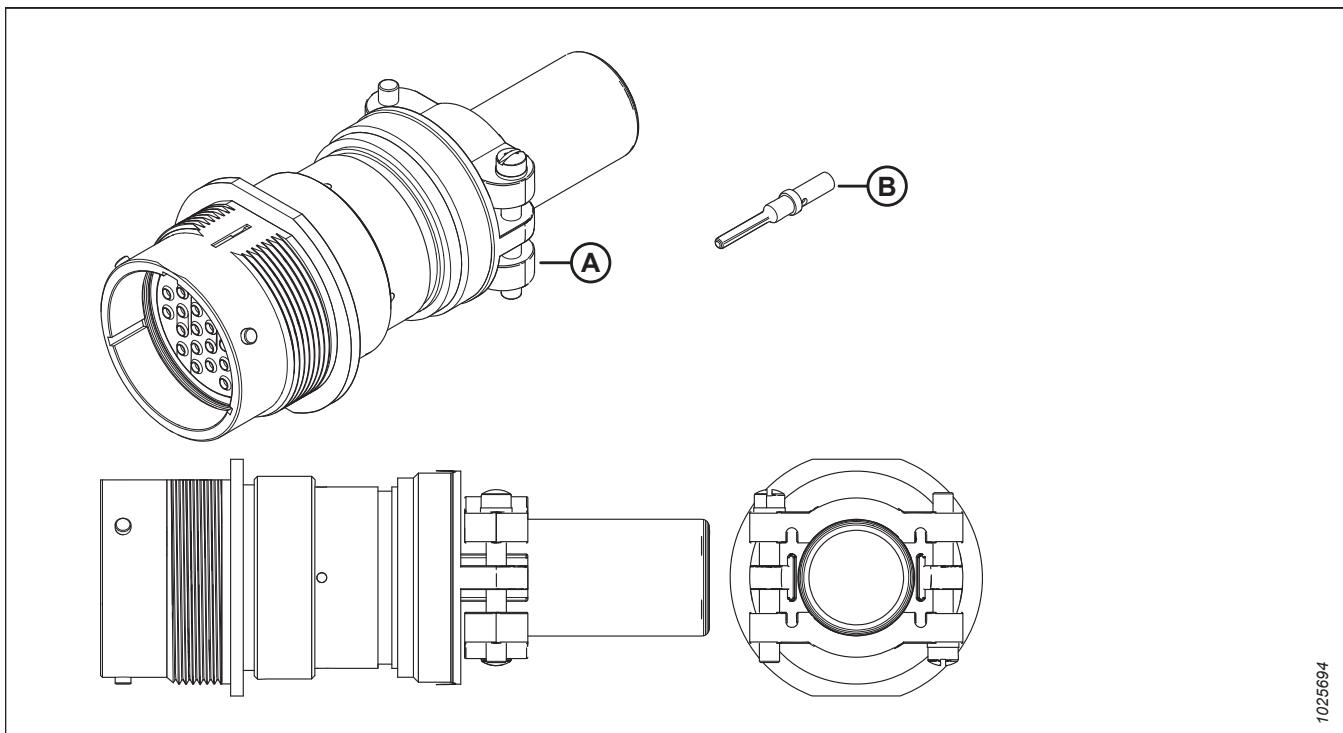
24.3



	MacDon Part #	Description	Manufacturer	Series	Manufacturer Part #
A		Connector – Plug	Deutsch	HD30	HD36-24-31SE-072
B	134026	Terminal – Socket		Size 16	0462-201-16141 (nickel), 0462-201-1631 (gold)
		Lock			
		Secondary Lock			
		Seal			
		Mating Connector		HD34-24-31PE	
		Extraction Tool			
		Crimp Tool			
		Cavity Plug			
		Boots/Caps		HD30-24BT-BK, HDC34-24, WHDS-24-1, WHDS-24-2	

31-POSITION CONNECTORS

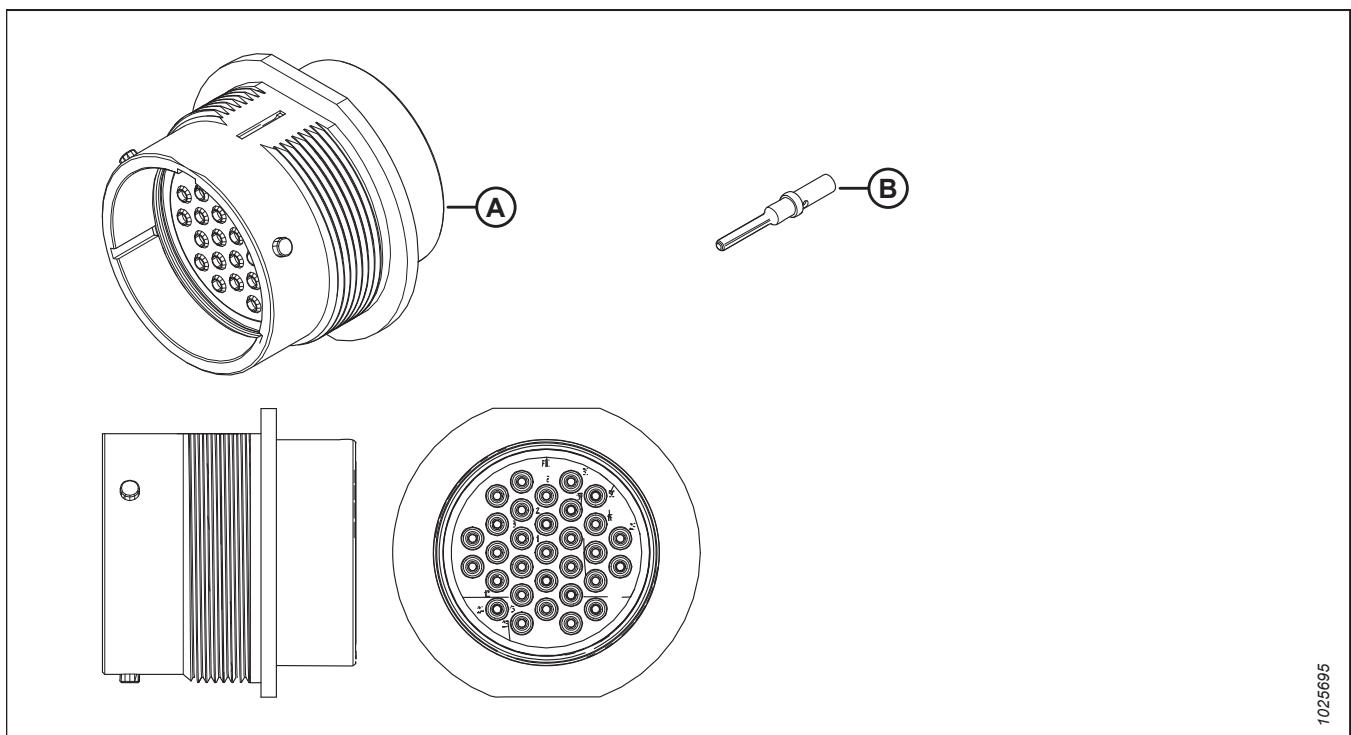
24.4



	MacDon Part #	Description	Manufacturer	Series	Manufacturer Part #
A		Connector – Receptacle	Deutsch	HD30	HD34-24-31PE-059
B	134023	Terminal – Pin		Size 16	0460-202-16141 (nickel), 0460-202-1631 (gold)
		Lock			
		Secondary Lock			
		Seal			
		Mating Connector		HD36-24-31SE	
		Extraction Tool			
		Crimp Tool			
		Cavity Plug			
		Boots/Caps		HD30-24BT-BK, 112263-90, 112264, HDC36-24	

31-POSITION CONNECTORS

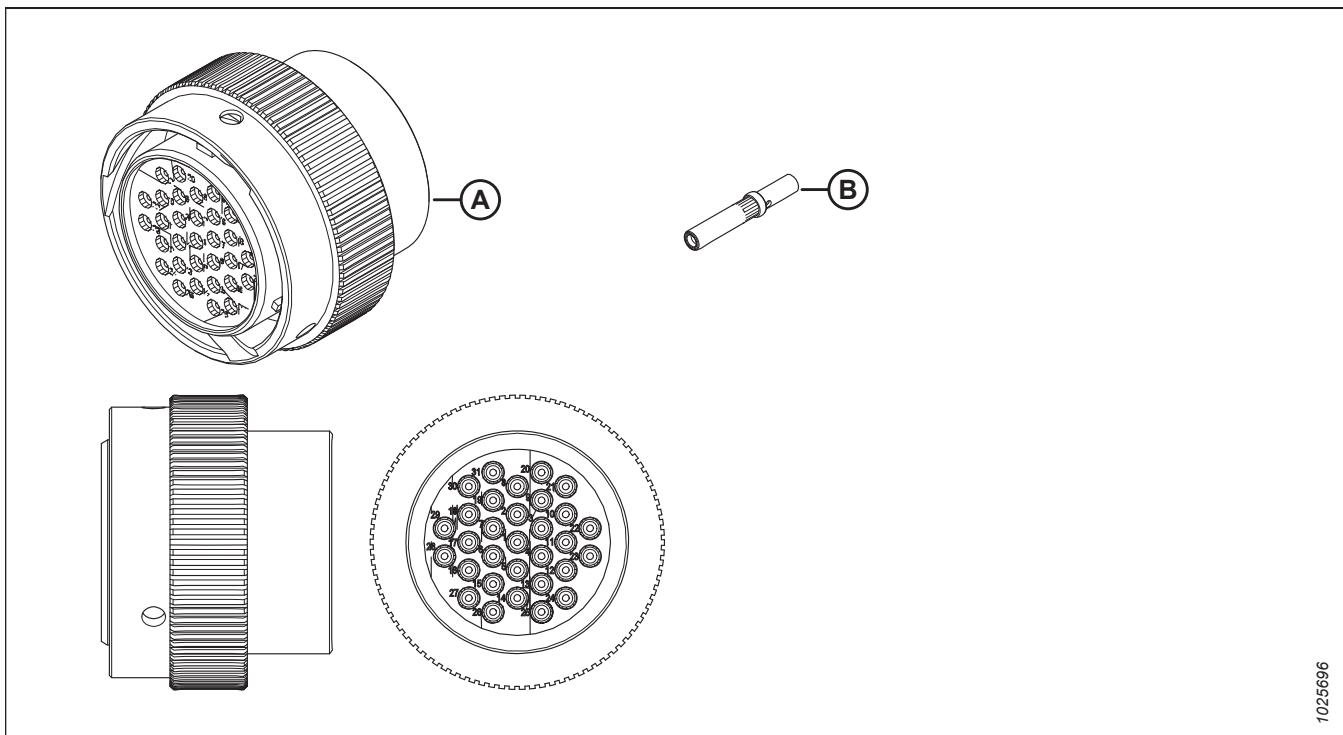
24.5



	MacDon Part #	Description	Manufacturer	Series	Manufacturer Part #
A		Connector – Receptacle	Deutsch	HD30	HD34-24-31PT
B	134023	Terminal – Pin		Size 16	0460-202-16141 (nickel), 0460-202-1631 (gold)
		Lock			
		Secondary Lock			
		Seal			
		Mating Connector			
		Extraction Tool			
		Crimp Tool			
		Cavity Plug			
		Boots/Caps			

31-POSITION CONNECTORS

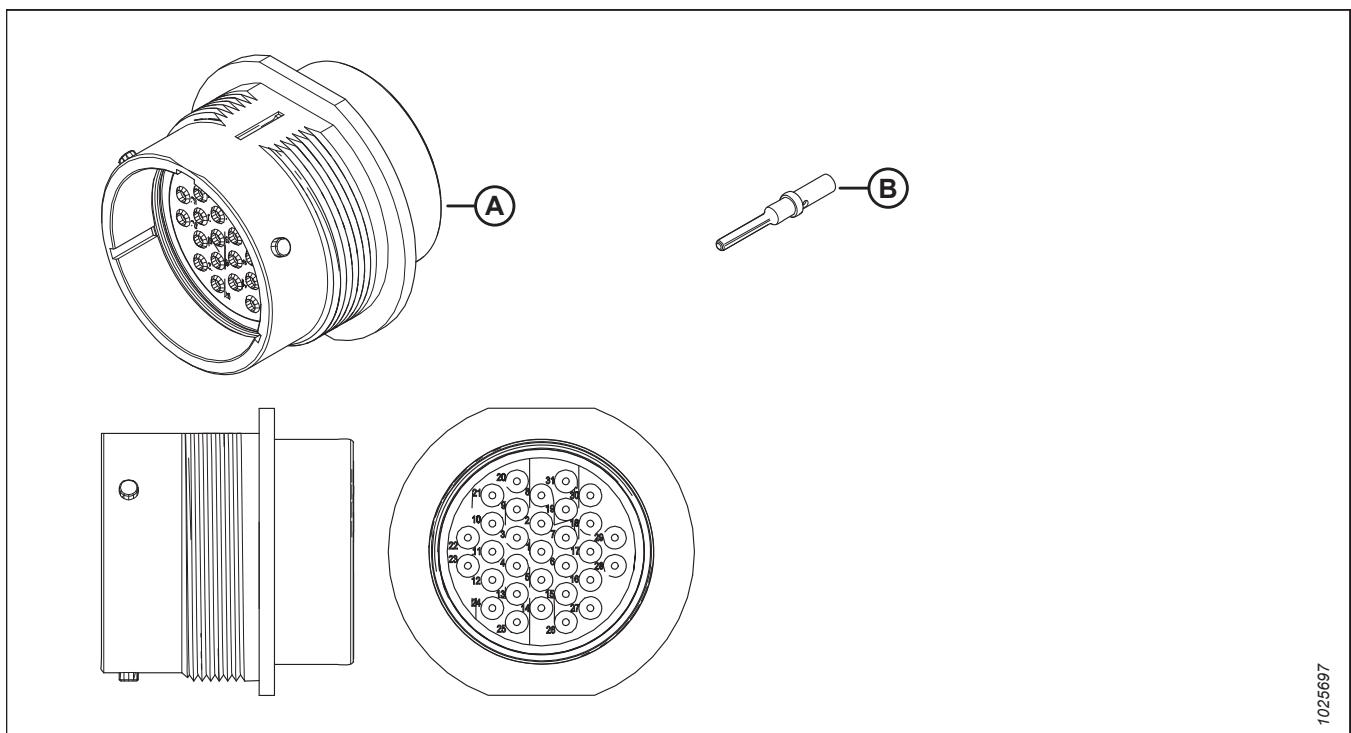
24.6



	MacDon Part #	Description	Manufacturer	Series	Manufacturer Part #
A		Connector – Plug	Deutsch	HD30	HD36-24-31SE
B	134026	Terminal – Socket		Size 16	0460-202-16141 (nickel), 0460-202-1631 (gold)
		Lock			
		Secondary Lock			
		Seal			
		Mating Connector		HD34-24-31PE	
		Extraction Tool			
		Crimp Tool			
		Cavity Plug			
		Boots/Caps		HD30-24BT-BK, HDC34-24, WHDS-24-1, WHDS-24-2	

31-POSITION CONNECTORS

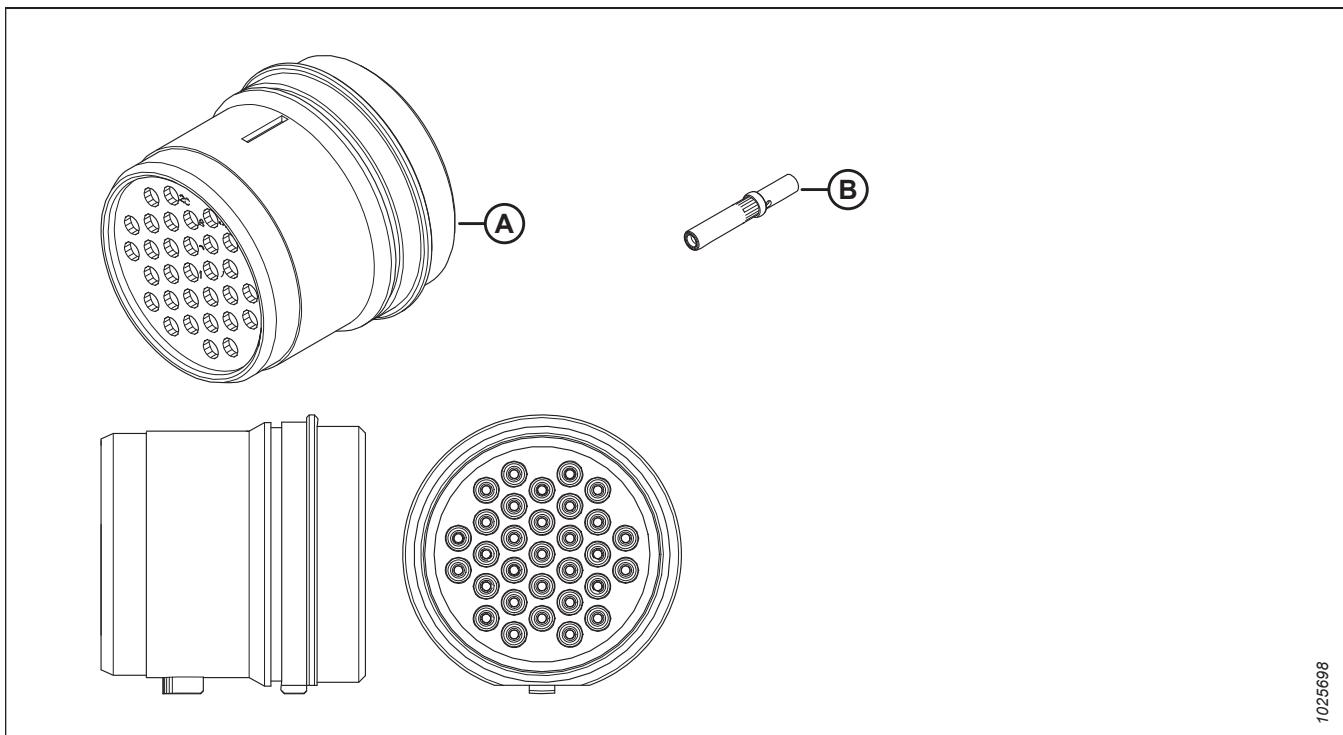
24.7



	MacDon Part #	Description	Manufacturer	Series	Manufacturer Part #
A		Connector – Receptacle	Deutsch	HD30	HD34-24-31PE
B	134023	Terminal – Pin		Size 16	0460-202-16141 (nickel), 0460-202-1631 (gold)
		Lock			
		Secondary Lock			
		Seal			
		Mating Connector		HD36-24-31SE	
		Extraction Tool			
		Crimp Tool			
		Cavity Plug			
		Boots/Caps		HD30-24BT-BK, 112263-90, 112264, HDC36-24	

31-POSITION CONNECTORS

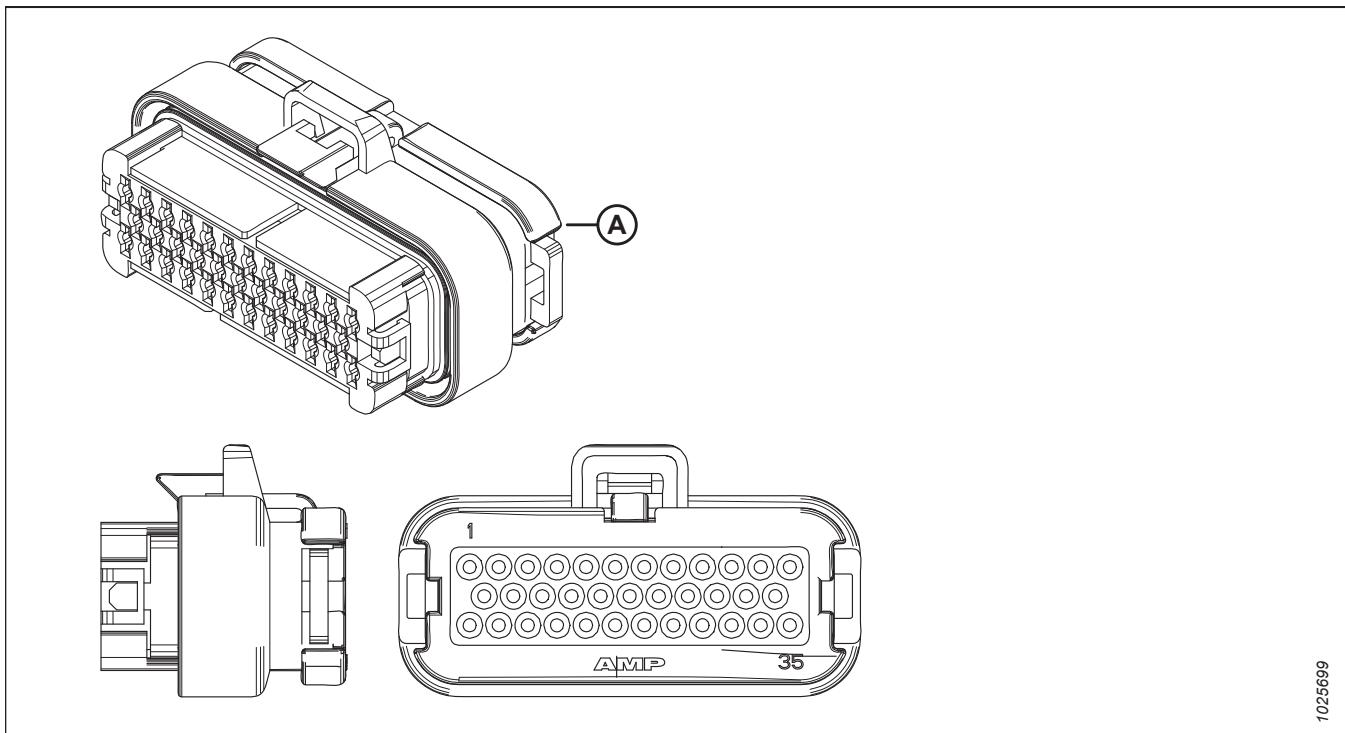
24.8



	MacDon Part #	Description	Manufacturer	Series	Manufacturer Part #
A		Connector – Plug	Deutsch	HD30	HD36-24-31ST-B019
B	134023	Terminal – Socket		Size 16	0462-201-16141 (nickel), 0462-201-1631 (gold)
		Lock			
		Secondary Lock			
		Seal			
		Mating Connector			
		Extraction Tool			
		Crimp Tool			
		Cavity Plug			
		Boots/Caps			

Chapter 25: 35-Position Connectors

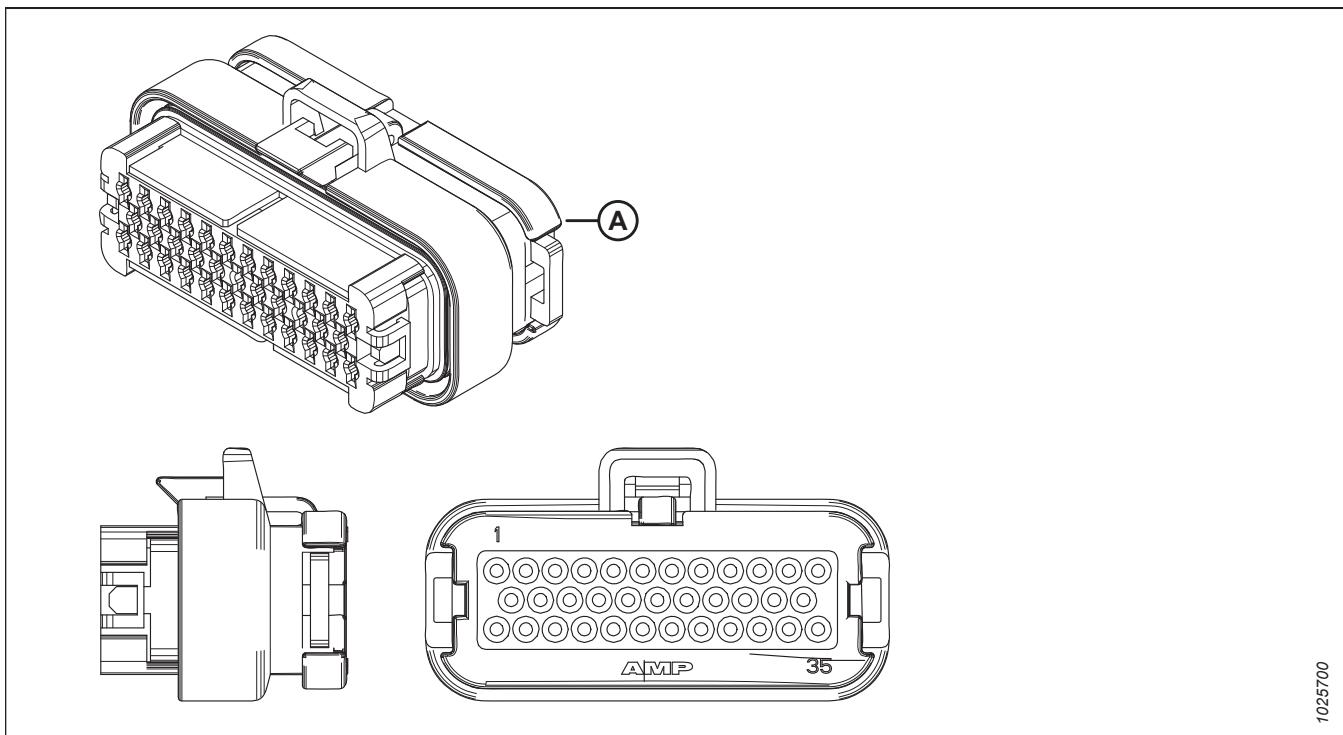
25.1



	MacDon Part #	Description	Manufacturer	Series	Manufacturer Part #
A	134375	Connector – Plug (BLACK Housing)	Amp		776164-1
		Terminal			770520
		Lock			
		Secondary Lock			
		Seal			770678
		Mating Connector			
		Extraction Tool			
		Crimp Tool		58529-1 or 2217748-1	
		Cavity Plug		770678-1	
		Boots/Caps		776463	

35-POSITION CONNECTORS

25.2



	MacDon Part #	Description	Manufacturer	Series	Manufacturer Part #
A	134376	Connector – Plug (NATURAL Housing)	Amp		776164-2
		Terminal			770520
		Lock			
		Secondary Lock			
		Seal			770678
		Mating Connector			
		Extraction Tool			
		Crimp Tool			
		Cavity Plug			
		Boots/Caps		776463	

Chapter 26: 36-Position Connectors

26.1

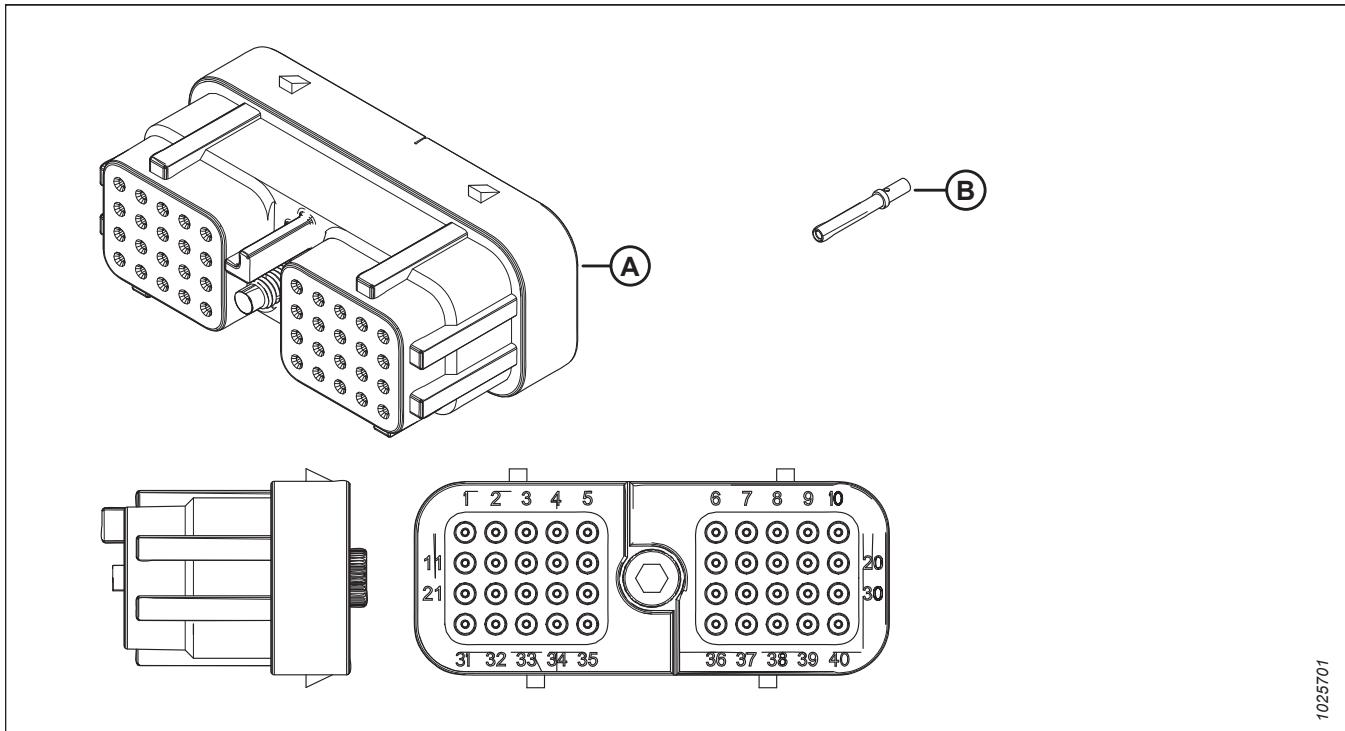
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at Time of Printing*

1007852

	MacDon Part #	Description	Manufacturer	Series	Manufacturer Part #
		Connector	Parker Hannifin		5031063
		Terminal			
		Lock			
		Secondary Lock			
		Seal			
		Mating Connector			
		Extraction Tool			
		Crimp Tool			
		Cavity Plug			
		Boots/Caps			

Chapter 27: 40-Position Connectors

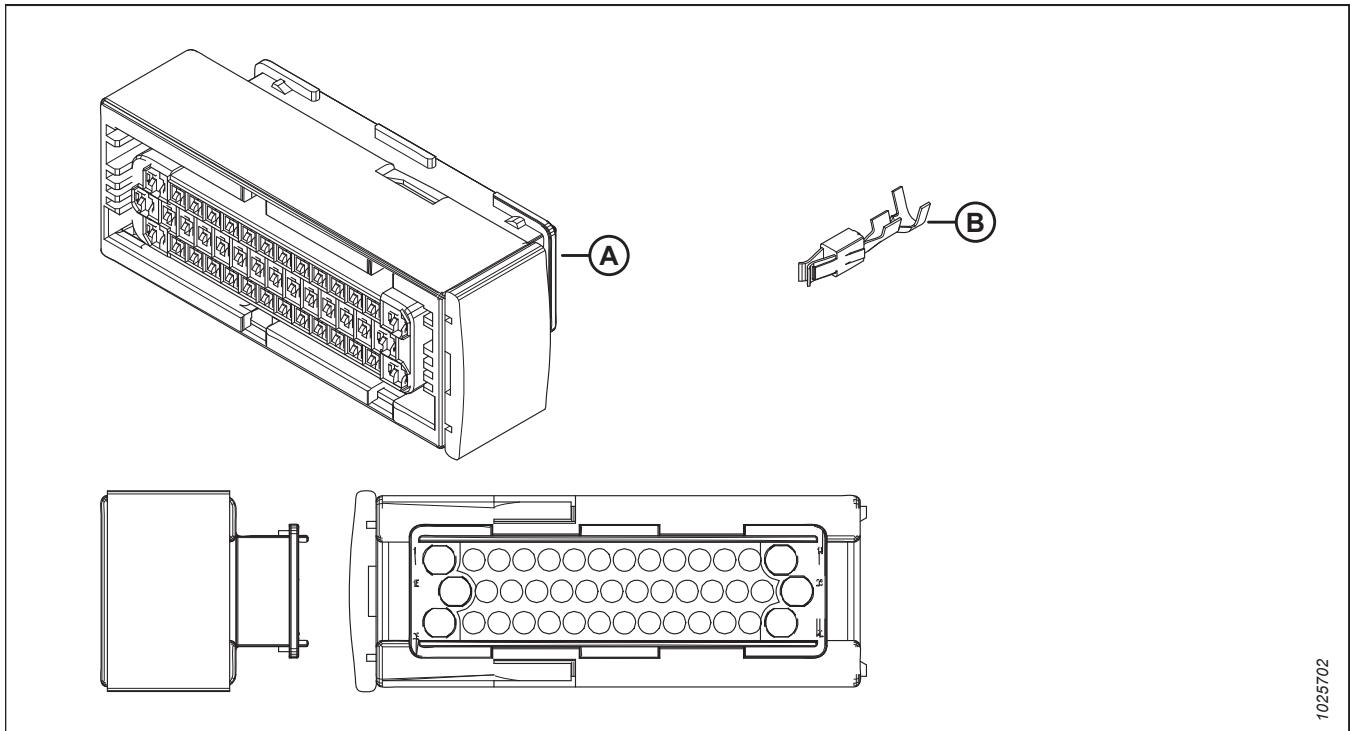
27.1



	MacDon Part #	Description	Manufacturer	Series	Manufacturer Part #
A		Connector – Plug	Deutsch	DRC	DRC26-40SA
B	134017	Terminal – Socket		Size 20	0462-201-20141 (nickel), 0462-201-2031 (gold)
		Lock			
		Secondary Lock			
		Seal			
		Mating Connector		DRC22-40PA	
		Extraction Tool		0411-240-2005	
		Crimp Tool			
		Cavity Plug			
		Boots/Caps		DRC26-40BT	

Chapter 28: 42-Position Connectors

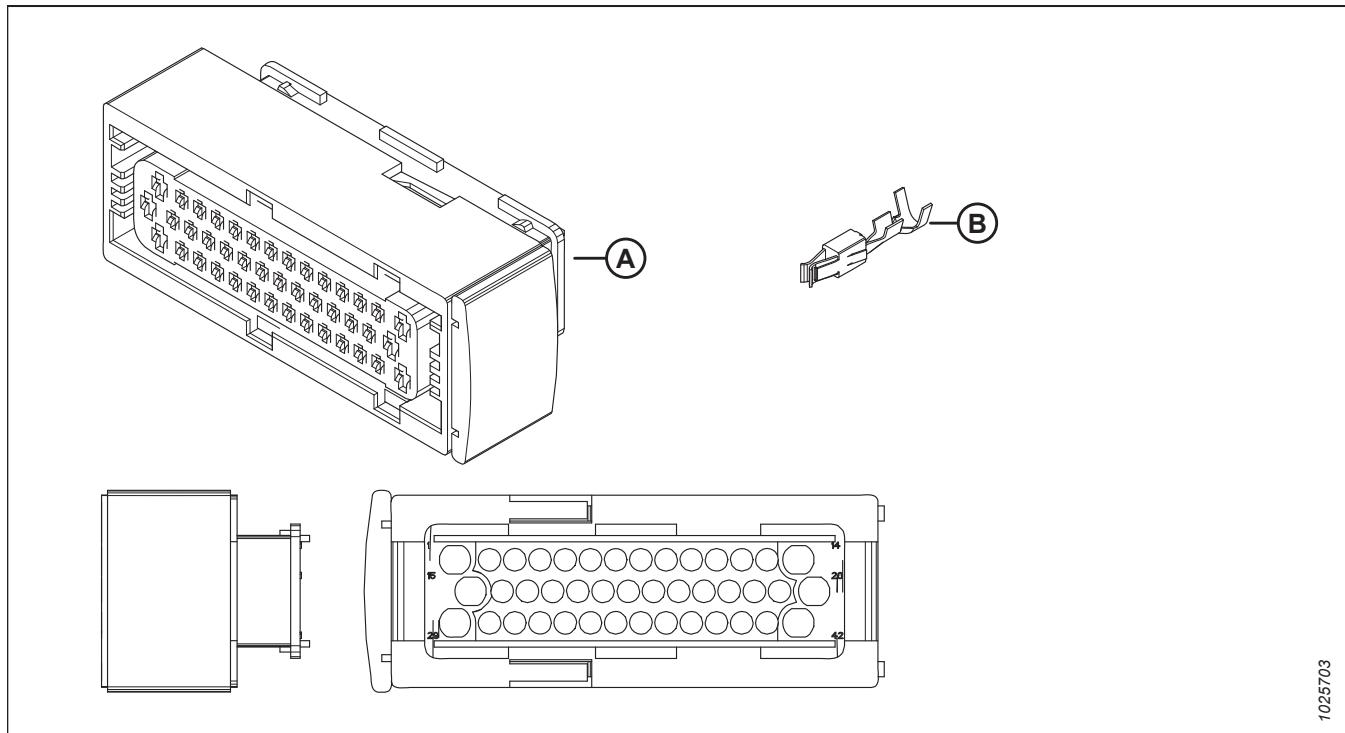
28.1



	MacDon Part #	Description	Manufacturer	Series	Manufacturer Part #
A		Connector – Plug	Tyco	JPT	1-963226-1
B		Terminal		2.8	929939-1, 929940-1
		Lock			
		Secondary Lock			
		Seal			
		Mating Connector			
		Extraction Tool			
		Crimp Tool			
		Cavity Plug			
		Boots/Caps			

42-POSITION CONNECTORS

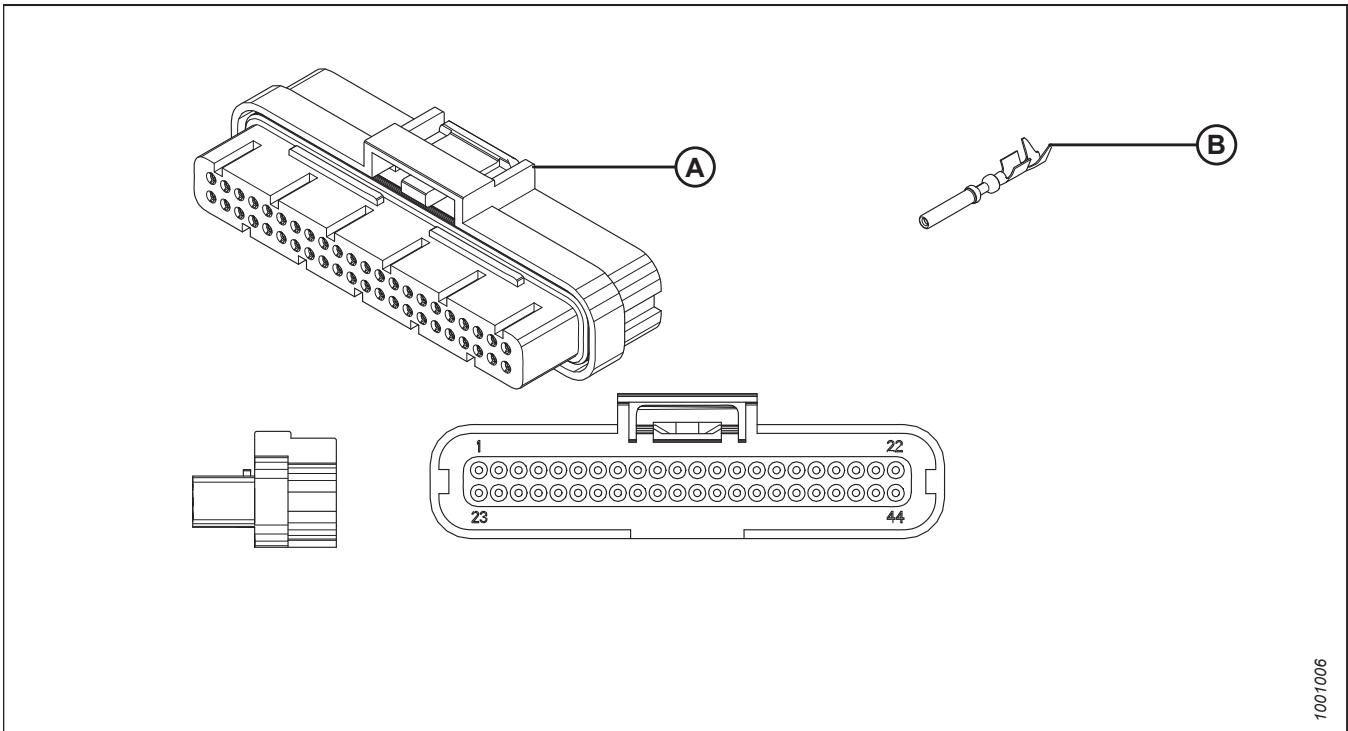
28.2



	MacDon Part #	Description	Manufacturer	Series	Manufacturer Part #
A		Connector – Plug	Tyco	JPT	1-967281-1
B		Terminal		2.8	929939-1, 929940-1
		Lock			
		Secondary Lock			
		Seal			963225-1
		Mating Connector		1-967280-1	
		Extraction Tool			
		Crimp Tool			
		Cavity Plug			
		Boots/Caps			

Chapter 29: 44-Position Connectors

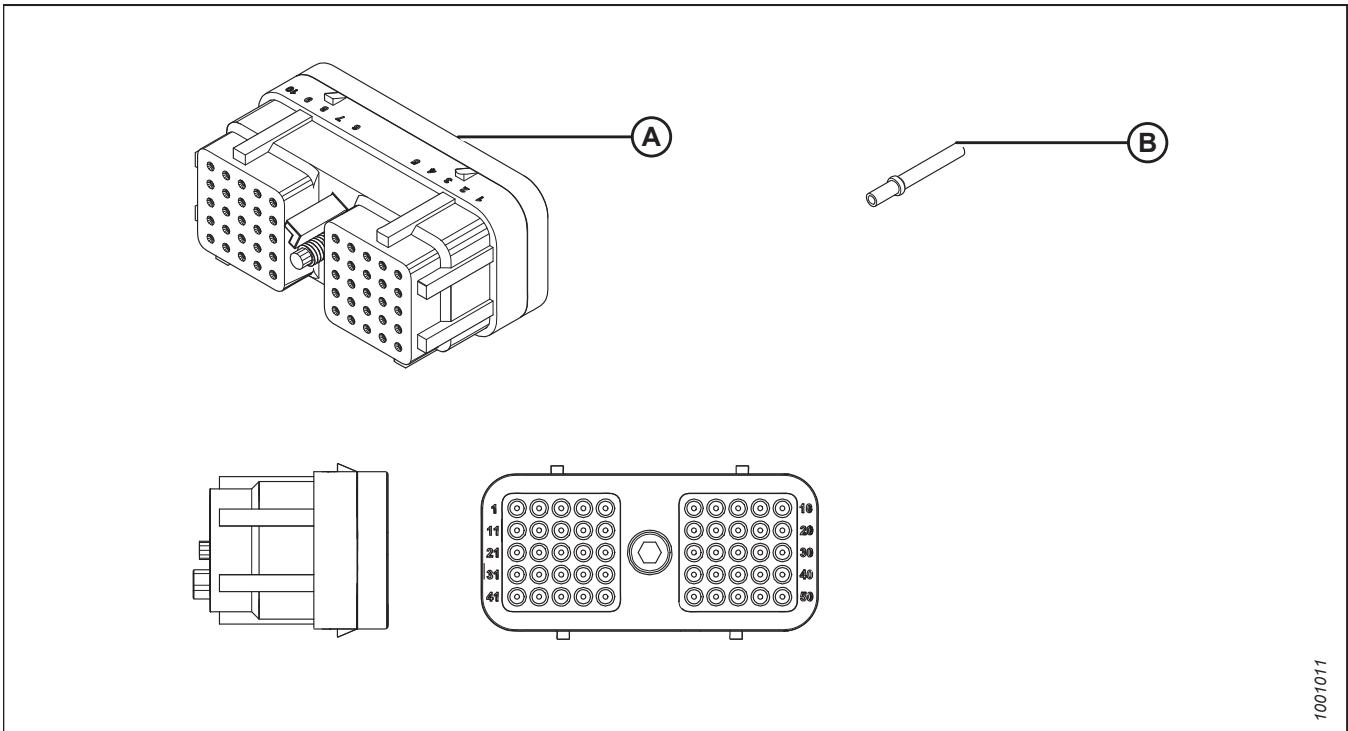
29.1



	MacDon Part #	Description	Manufacturer	Series	Manufacturer Part #	
A		Connector – Plug	Amp	SS	1376886-1	
B	134089	Terminal – Socket	Amp	SS	3-1447221-3	
	Mating Connector		Device CDM/WCM			
	Extraction Tool		Not Required			
	Crimp Tool					

Chapter 30: 50-Position Connectors

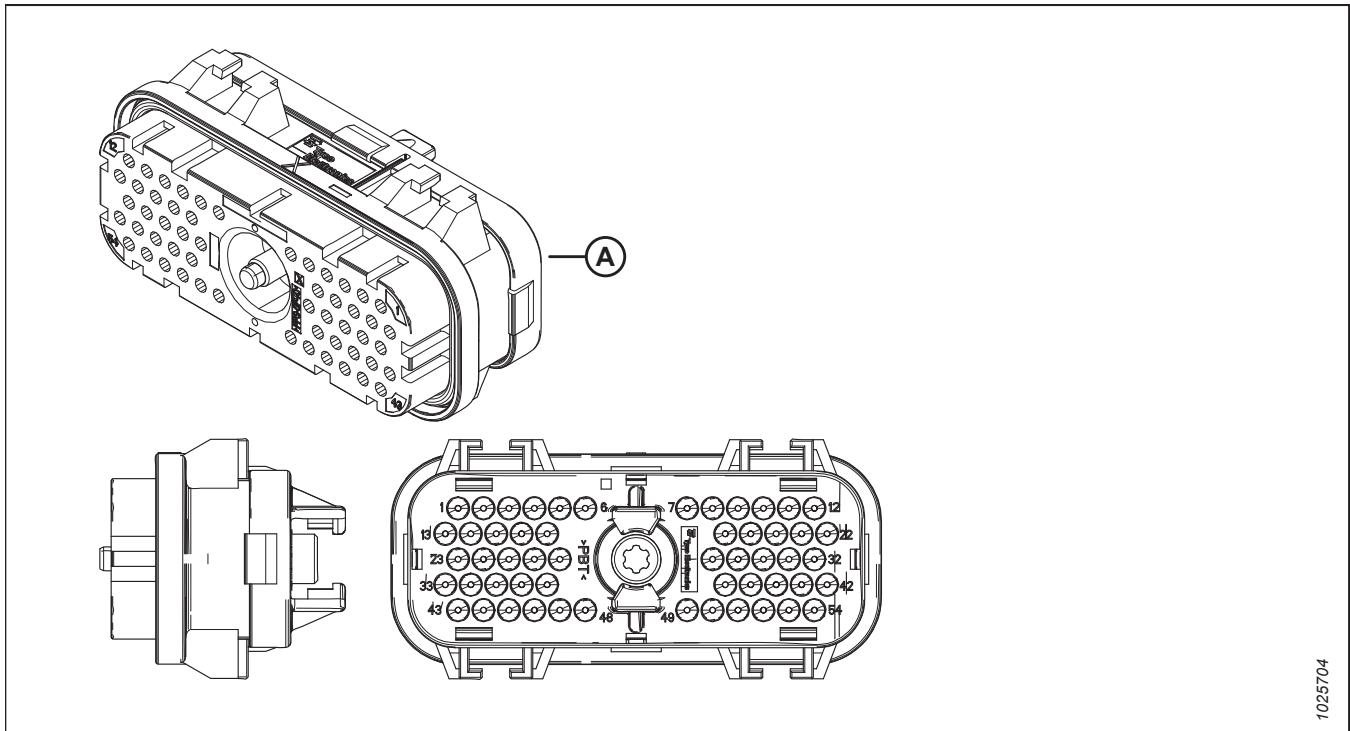
30.1



	MacDon Part #	Description	Manufacturer	Series	Manufacturer Part #	
A		Connector – Plug (16–22 ga)	Deutsch	DRC	DRC26-50S04	
B	134017	Terminal – Socket	Deutsch	Size 20	0462-201-20141 (nickel), 0462-201-2031 (gold)	
		Mating Connector	Device Engine ECU			
	134012	Extraction Tool	0411-240-2005			
	134013		0411-310-605			
	134015	Crimp Tool	HDT-48-00			

Chapter 31: 54-Position Connectors

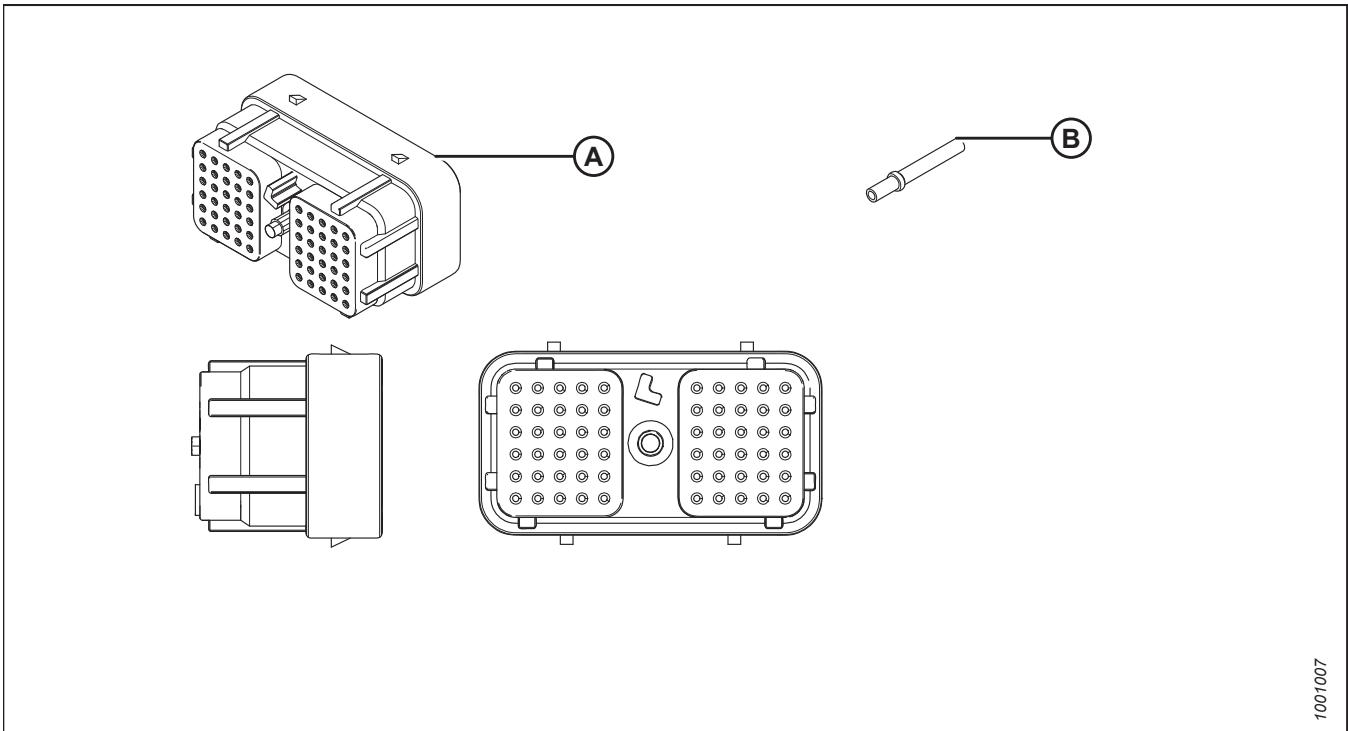
31.1



	MacDon Part #	Description	Manufacturer	Series	Manufacturer Part #
A		Connector – Plug	Tyco		1924478-3
		Terminal			
		Lock			
		Secondary Lock			
		Seal			
		Mating Connector			
		Extraction Tool			
		Crimp Tool			
		Cavity Plug			
		Boots/Caps			

Chapter 32: 60-Position Connectors

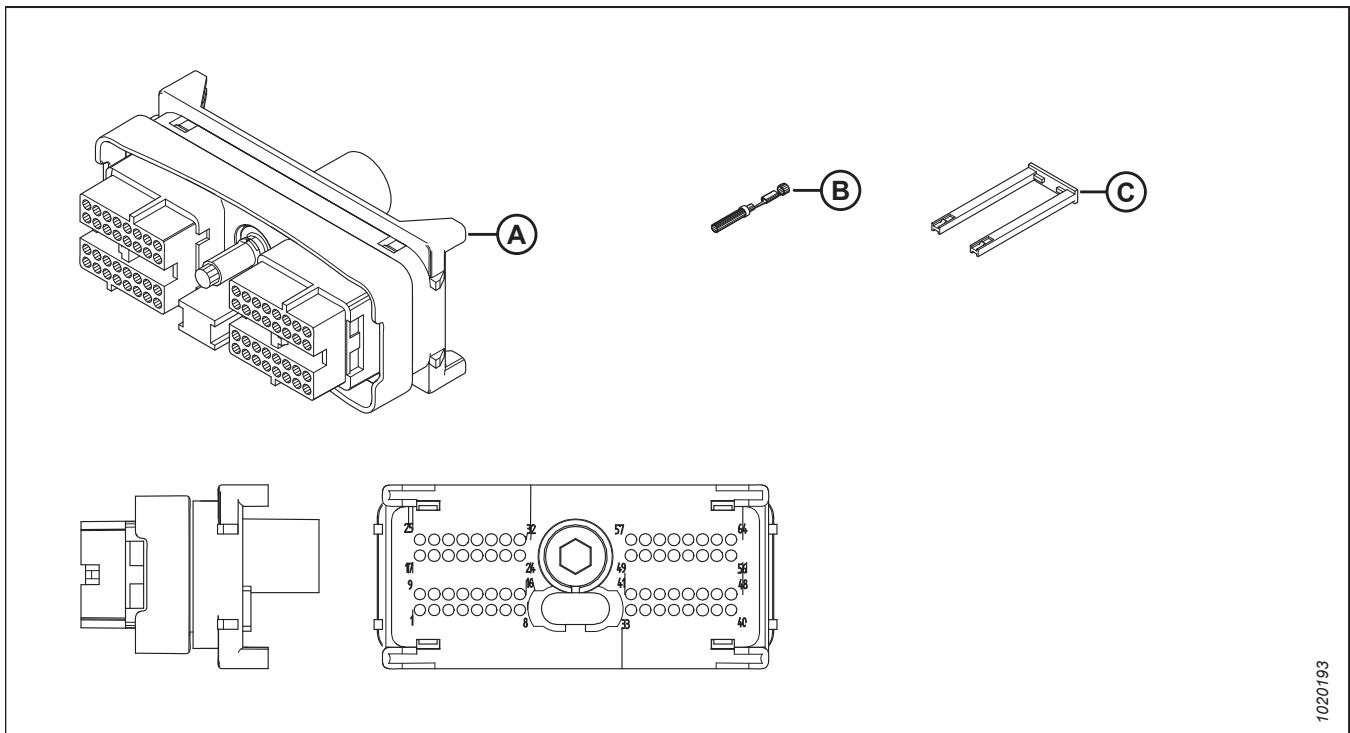
32.1



	MacDon Part #	Description	Manufacturer	Series	Manufacturer Part #	
A		Connector – Plug	Deutsch	DRC	DRC26-60S-06	
B	134017	Terminal – Socket	Deutsch	Size 20	0462-201-20141 (nickel), 0462-201-2031 (gold)	
	Mating Connector		Device Engine ECU			
	Extraction Tool					
	134015	Crimp Tool	HDT-48-00			

Chapter 33: 64-Position Connectors

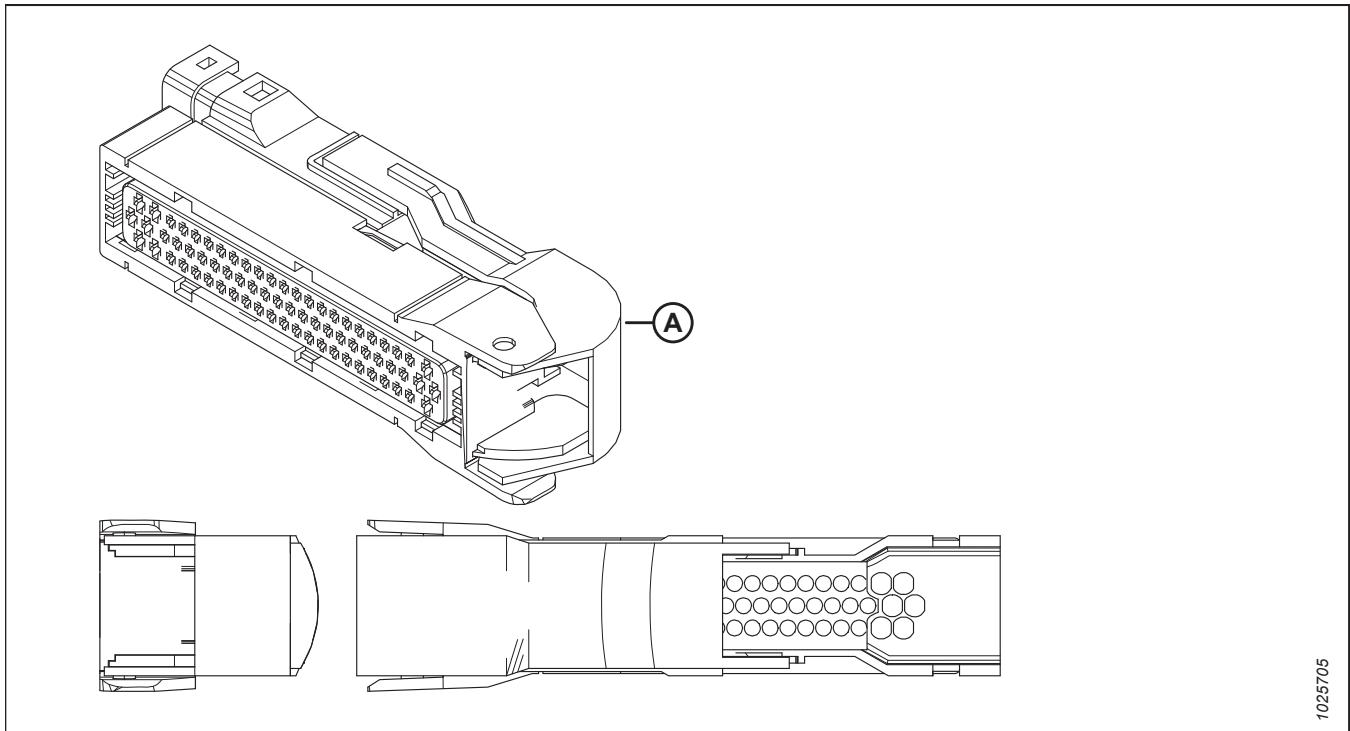
33.1



	MacDon Part #	Description	Manufacturer	Series	Manufacturer Part #
A		Connector – Plug	Delphi	Micro-Pack 100W	15488667
B		Terminal			12084912, 12084913, 12146034, 15359001, 15359002, 15435885, 15435886
C	134100	Secondary Lock (Terminal)			15404650
		Lock			
		Seal			
		Mating Connector			
		Extraction Tool			
		Crimp Tool			
		Cavity Plug			12129750, 13726494, 12065266, 12129557, 12034413, 13544665, 15318164

Chapter 34: 70-Position Connectors

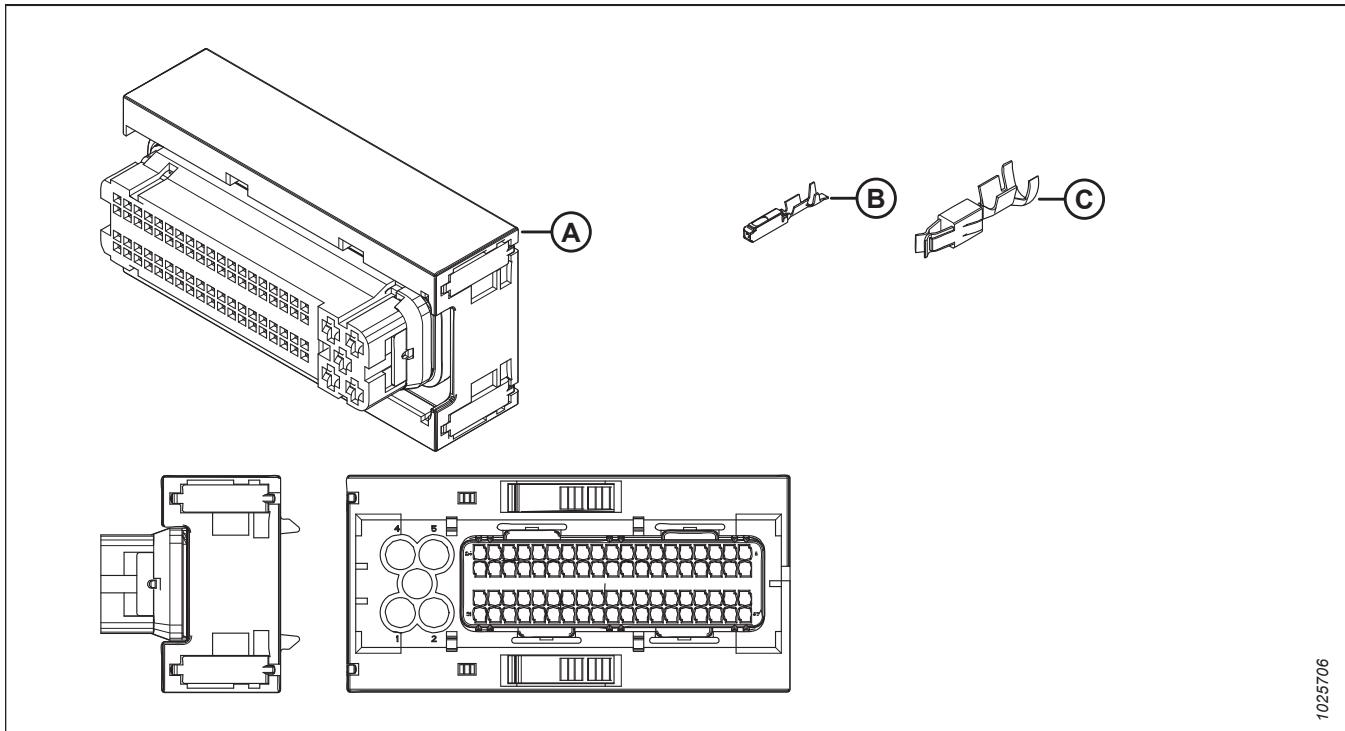
34.1



	MacDon Part #	Description	Manufacturer	Series	Manufacturer Part #
A		Connector – Receptacle	Tyco	MT2 / JPT	1-968879-1
		Terminal			
		Lock			
		Secondary Lock			
		Seal			
		Mating Connector			
		Extraction Tool			
		Crimp Tool			
		Cavity Plug			
		Boots/Caps			

Chapter 35: 81-Position Connectors

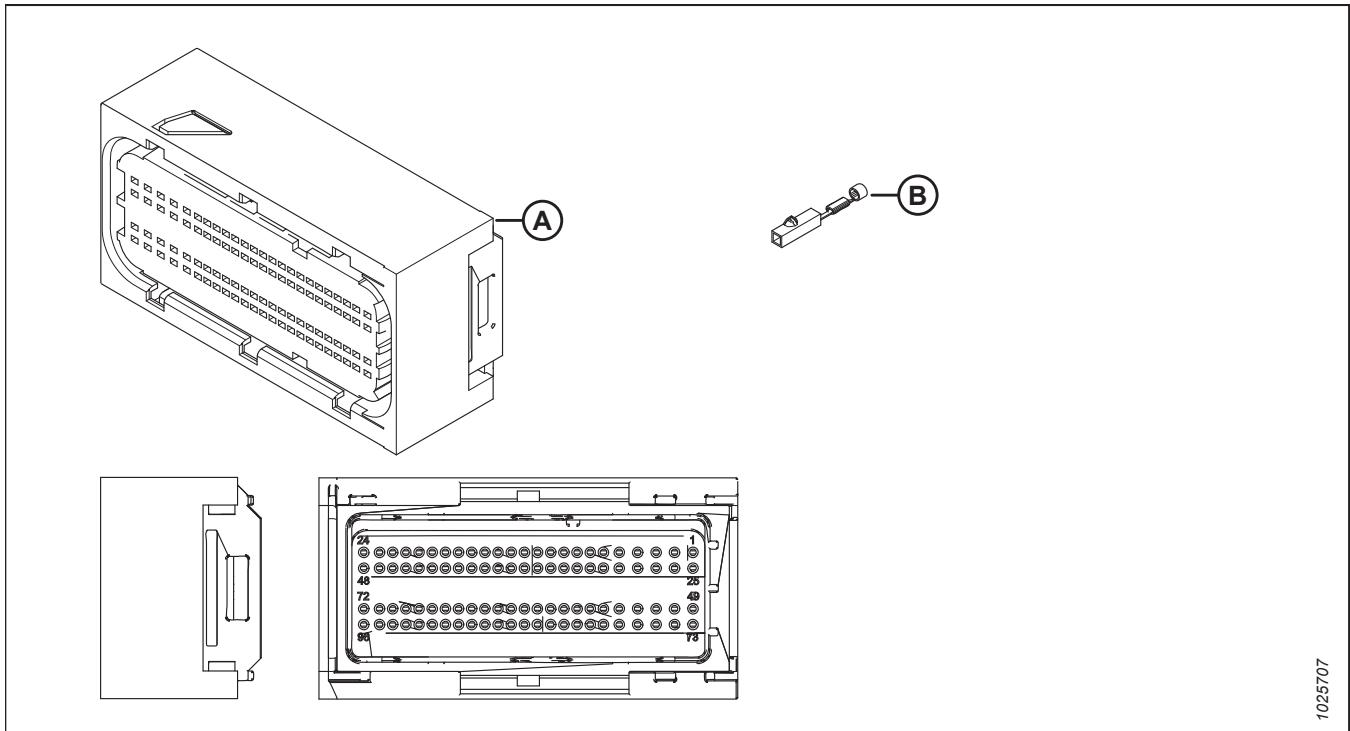
35.1



	MacDon Part #	Description	Manufacturer	Series	Manufacturer Part #
A		Connector – Plug	TE Connectivity	MQS / JPT	1473244-1
B		Terminal		MQS	968220-1, 968221-1
C		Terminal		JPT	964282-2, 964286-2, 964273-2
		Lock			
		Secondary Lock			
		Seal			
		Mating Connector			
		Extraction Tool			
		Crimp Tool			
		Cavity Plug			
		Boots/Caps			

Chapter 36: 96-Position Connectors

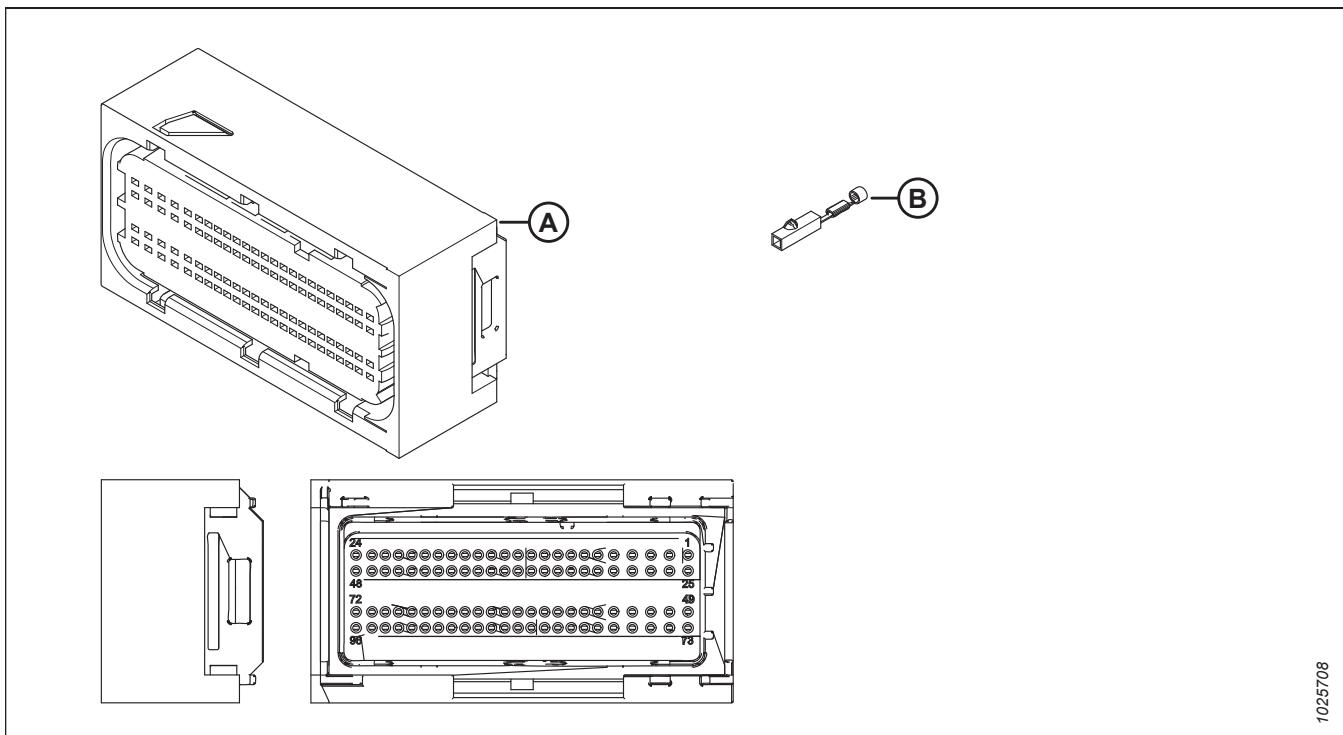
36.1



	MacDon Part #	Description	Manufacturer	Series	Manufacturer Part #
A		Connector – Plug	Delphi	CTS 1.2	13964572
B		Terminal			13627887, 13627884, 13627886
		Lock			
		Secondary Lock			
		Seal			
		Mating Connector			
		Extraction Tool			
		Crimp Tool			
		Cavity Plug			
		Boots/Caps			

96-POSITION CONNECTORS

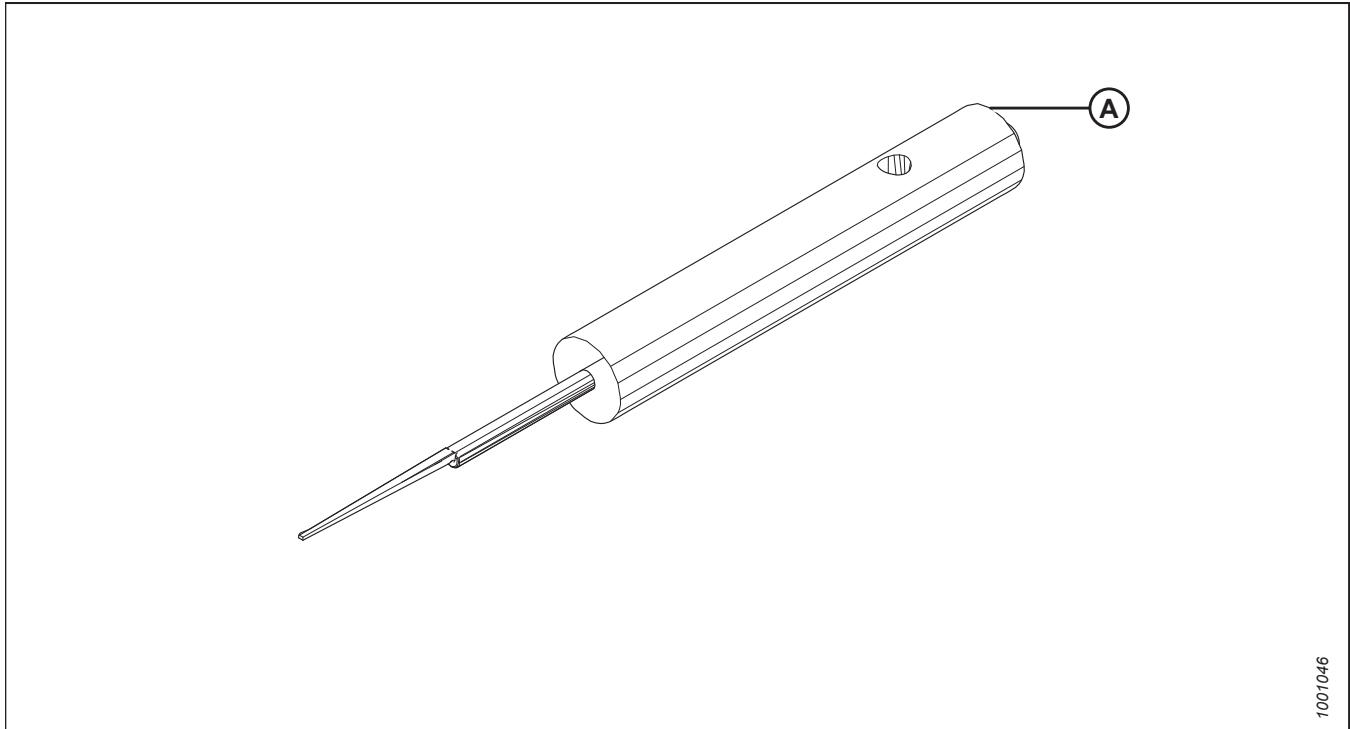
36.2



	MacDon Part #	Description	Manufacturer	Series	Manufacturer Part #
A		Connector – Plug	Delphi	CTS 1.2	13839473
B		Terminal			13627887, 13627884, 13627886
		Lock			
		Secondary Lock			
		Seal			
		Mating Connector			
		Extraction Tool			
		Crimp Tool			
		Cavity Plug			
		Boots/Caps			

Chapter 37: Extraction Tools

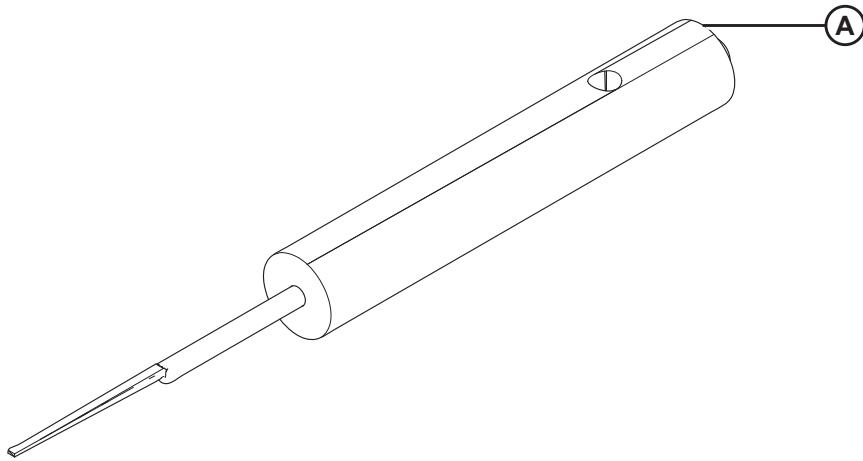
37.1



	MacDon Part #	Description	Manufacturer	Series	Manufacturer Part #
A	134158	Tool – Extraction	Delphi	M/P	12094429

EXTRACTION TOOLS

37.2

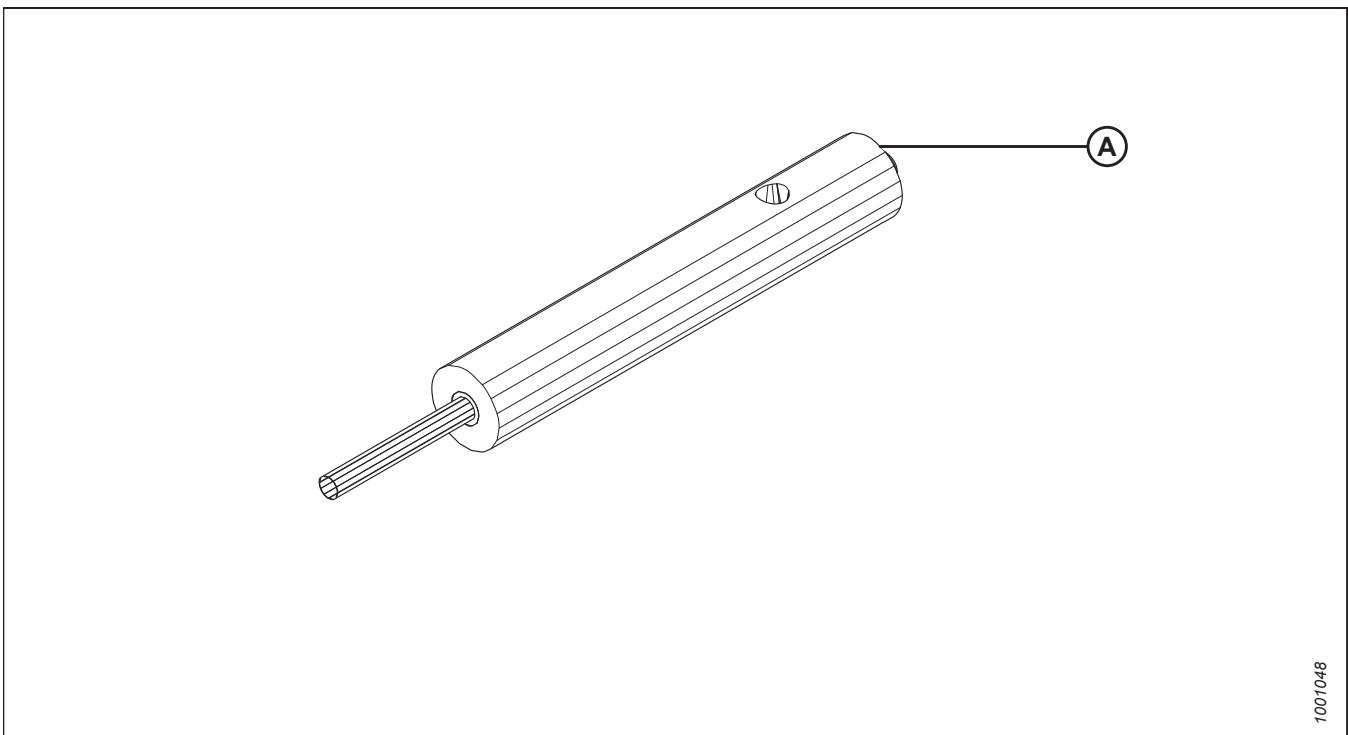


1001047

	MacDon Part #	Description	Manufacturer	Series	Manufacturer Part #
A	134159	Tool – Extraction	Delphi	56	12094430

EXTRACTION TOOLS

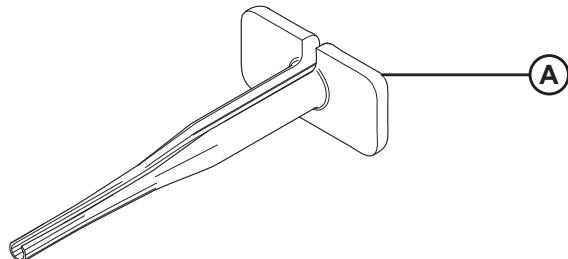
37.3



	MacDon Part #	Description	Manufacturer	Series	Manufacturer Part #
A	134160	Tool – Extraction	Delphi	W/P	12014012

EXTRACTION TOOLS

37.4

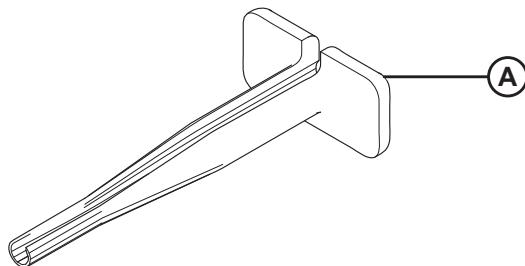


1001043

	MacDon Part #	Description	Manufacturer	Series	Manufacturer Part #
A	134012	Tool – Contact Removal (Size 20)	Deutsch		0411-240-2005

EXTRACTION TOOLS

37.5

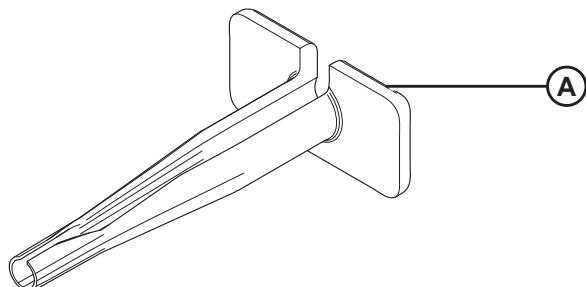


1001044

	MacDon Part #	Description	Manufacturer	Series	Manufacturer Part #
A	134013	Tool – Contact Removal (Size 16)	Deutsch		0411-310-605

EXTRACTION TOOLS

37.6

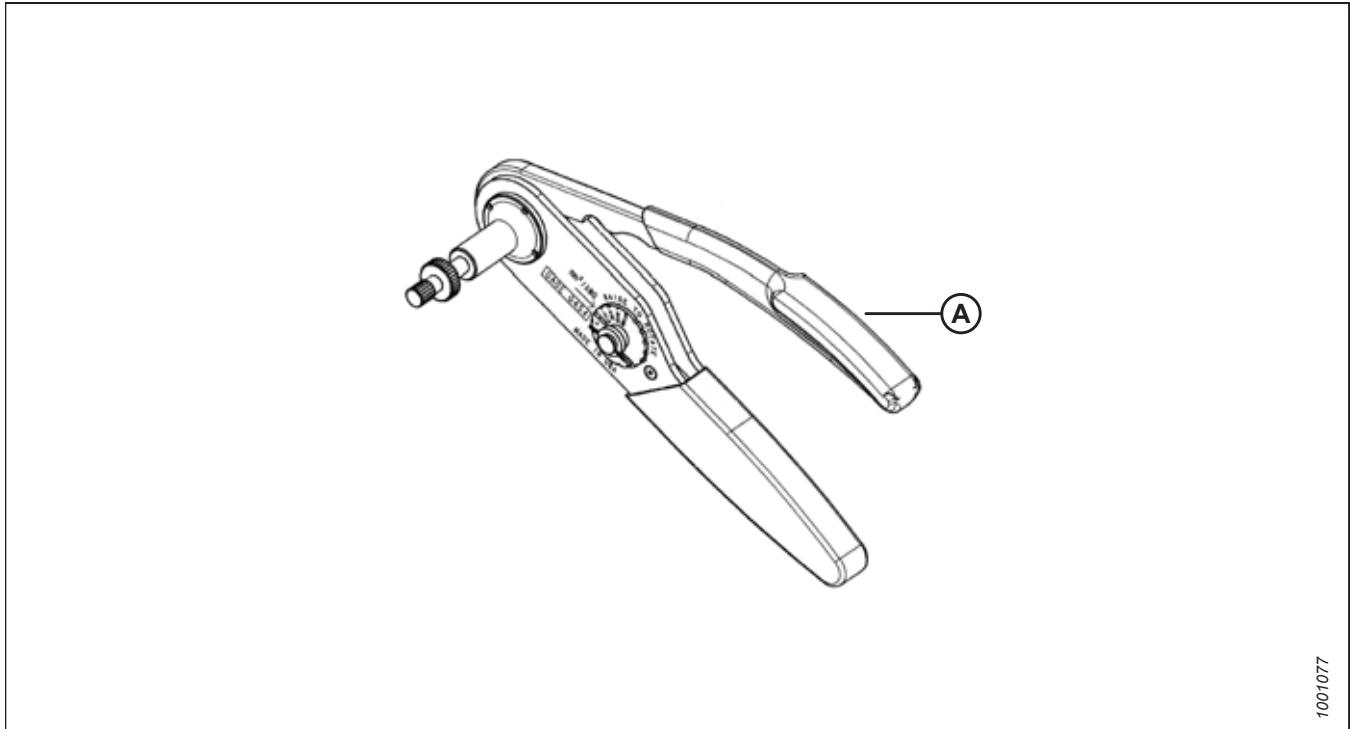


1001045

	MacDon Part #	Description	Manufacturer	Series	Manufacturer Part #
A	134014	Tool – Contact Removal (Size 12)	Deutsch		114010

Chapter 38: Crimper Tools

38.1

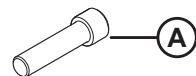


1001077

	MacDon Part #	Description	Manufacturer	Series	Manufacturer Part #
A	134015	Tool – Hand Crimp Deutsch Solid Contacts	Deutsch		HDT-48-00

Chapter 39: Cavity Plugs

39.1



1007883

	MacDon Part #	Description	Manufacturer	Series	Manufacturer Part #
A	134145	Cavity Plug (Size 12–16)	Deutsch		114017

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