

Section 7

ELECTRICAL

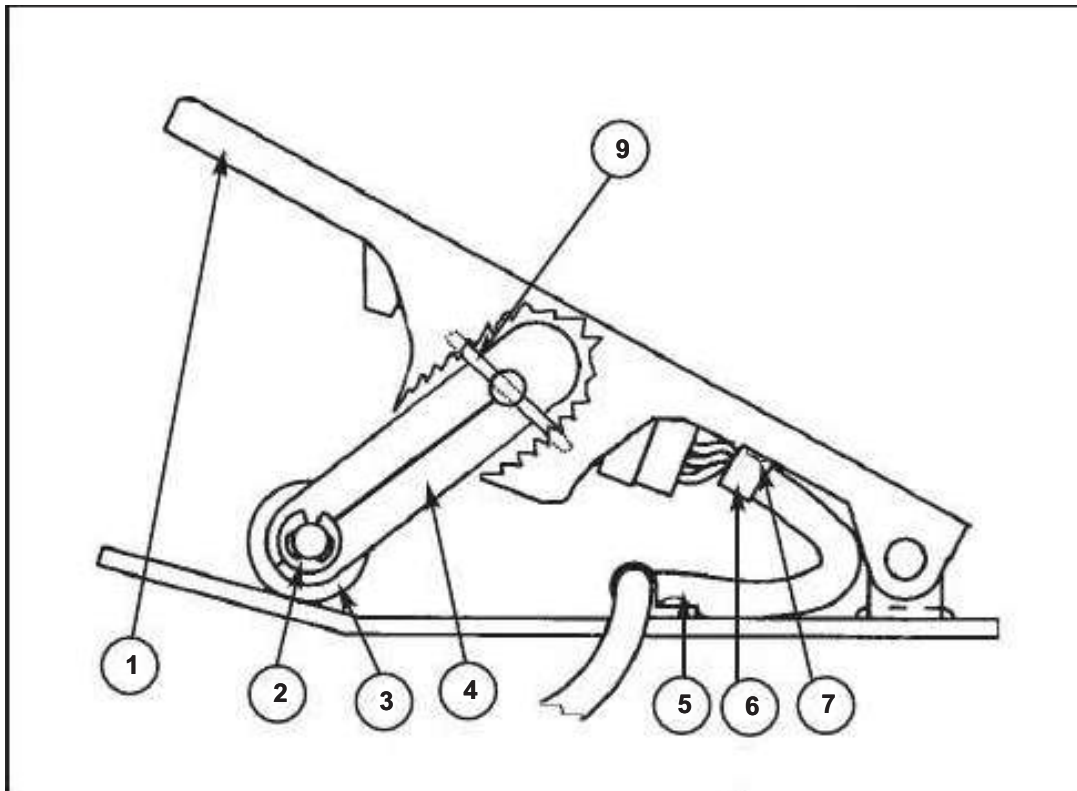
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7-2 ELECTRICAL

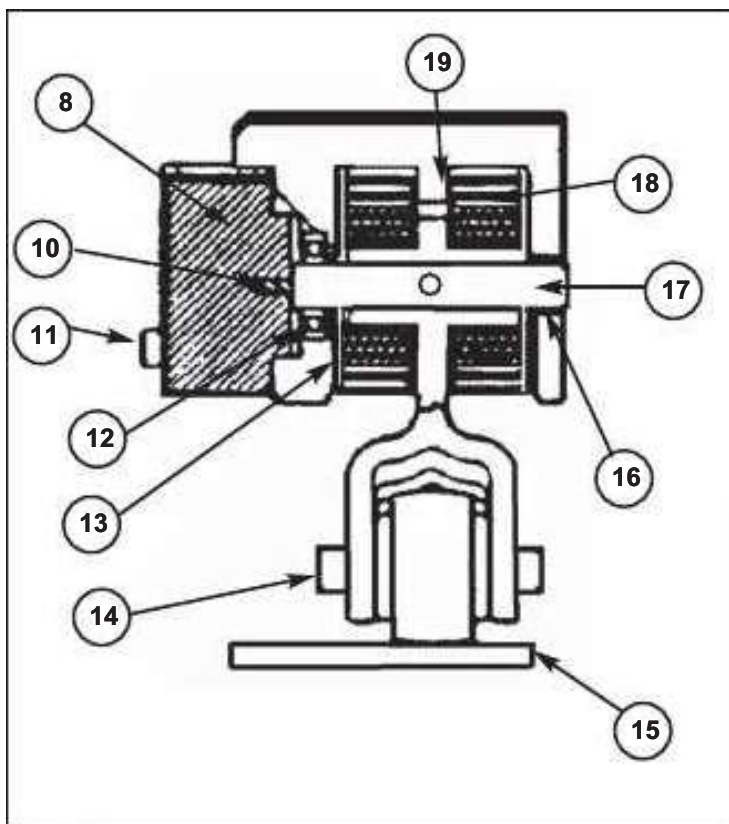
WHEN ORDERING PARTS GIVE **SERIAL NUMBER** OF MACHINE

PARTS FAX 1-519-738-9633

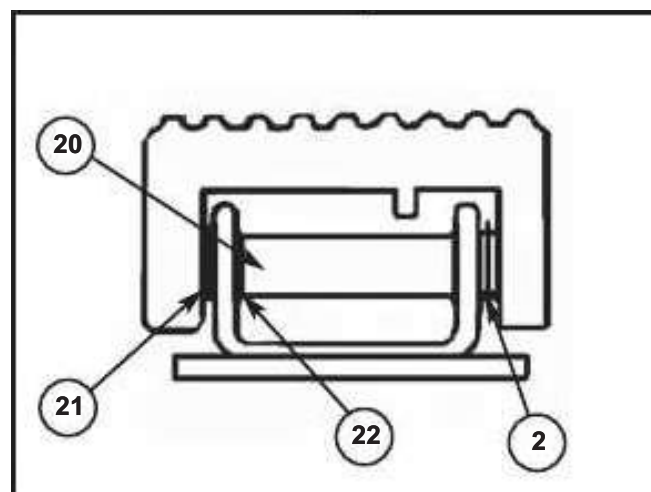
INCHING PEDAL



SIDE



FRONT



END

INCHING PEDAL

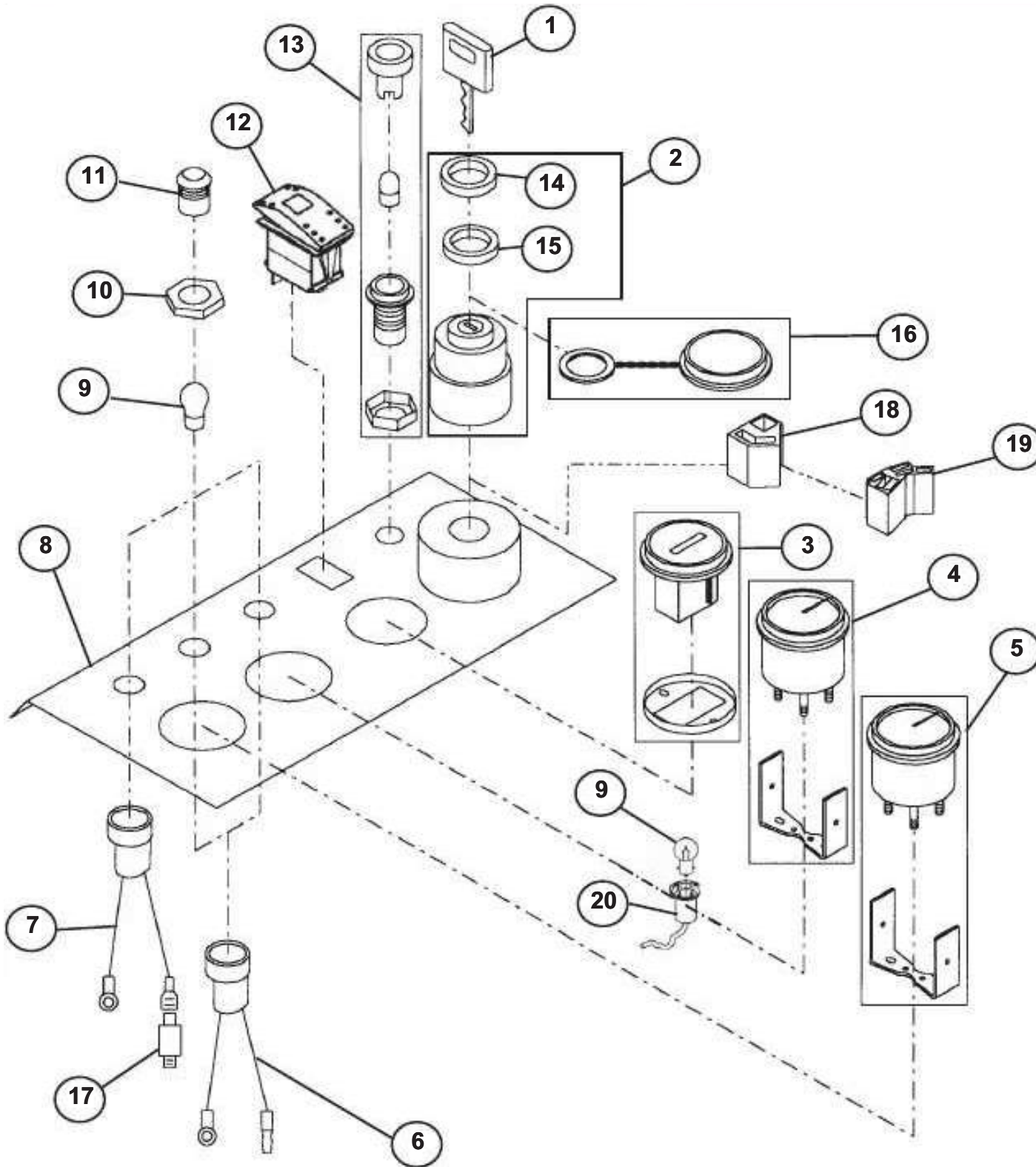
<u>FIG.</u>	<u>PART #</u>	<u>QTY.</u>	<u>DESCRIPTION</u>	<u>SERIAL NUMBER / REMARKS</u>
	300869	1	Inching Pedal (Refer to 11-9 for additional information)	
1.	N.S.S.	1	Treadle	
2.	132484	3	Snap Ring	
3.	132499	1	Roller	Includes Roller Shaft
4.	N.S.S.	1	Treadle Lever	
5.	132493	1	Wire Harness	
6.	132506	2	Wire Clamp	
7.	132488	2	Screw	
8.	132505	1	Potentiometer	
9.	151096	1	Roll Pin	
10.	132483	1	Pin	
11.	151290	2	Screw	
12.	132504	1	Bearing	
13.	132500	1	Thrust Washer - Outer	
14.	132497.	1	Roller Pin	
15.	300978.	1	Base Plate	
16.	132501	1	Bushing	
17.	132498	1	Shaft - Sensor Drive	
18.	132502	2	Spring	
19.	132503	2	Thrust Washer	
20.	132496	1	Treadle Pin	
21.	132485	2	Bushing - Outer	
22.	132486	2	Bushing - Inner	

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WHEN ORDERING PARTS GIVE **SERIAL NUMBER** OF MACHINE

PARTS FAX 1-519-738-9633

DASH PANEL ASSEMBLY 22715015532D TO 24885095532D



**DASH PANEL ASSEMBLY
22715015532D TO 24885095532D**

<u>FIG.</u>	<u>PART #</u>	<u>QTY.</u>	<u>DESCRIPTION</u>	<u>SERIAL NUMBER / REMARKS</u>
1.	280007	1	Key	
2.	140557	1	Ignition Switch - includes #14 & 15	
3.	140159	1	Hour Meter	
4.	140084	1	Gauge - Fuel	
5.	140088	1	Gauge - Water Temperature	
6.	300892	2	Wire Harness	
7.	300891	1	Wire Harness	
8.	300642	1	Dash	
9.	220601	4	Light Bulb	
10.	220170	3	Nut	
11.	220023	3	Lamp	
12.	140831*	1	Switch - 3WD Activator	
13.	280031	1	Glow Plug Indicator Light	
14.	N.S.S.	1	Ignition Switch Seal	
15.	N.S.S.	1	Ignition Switch Nut	
16.	190997	1	Ignition Switch Cover	
17.	140233	1	Diode	
18.	280008	1	Housing	
19.	280009	1	Housing	
20.	140090	1	Light Kit	Bulb not included

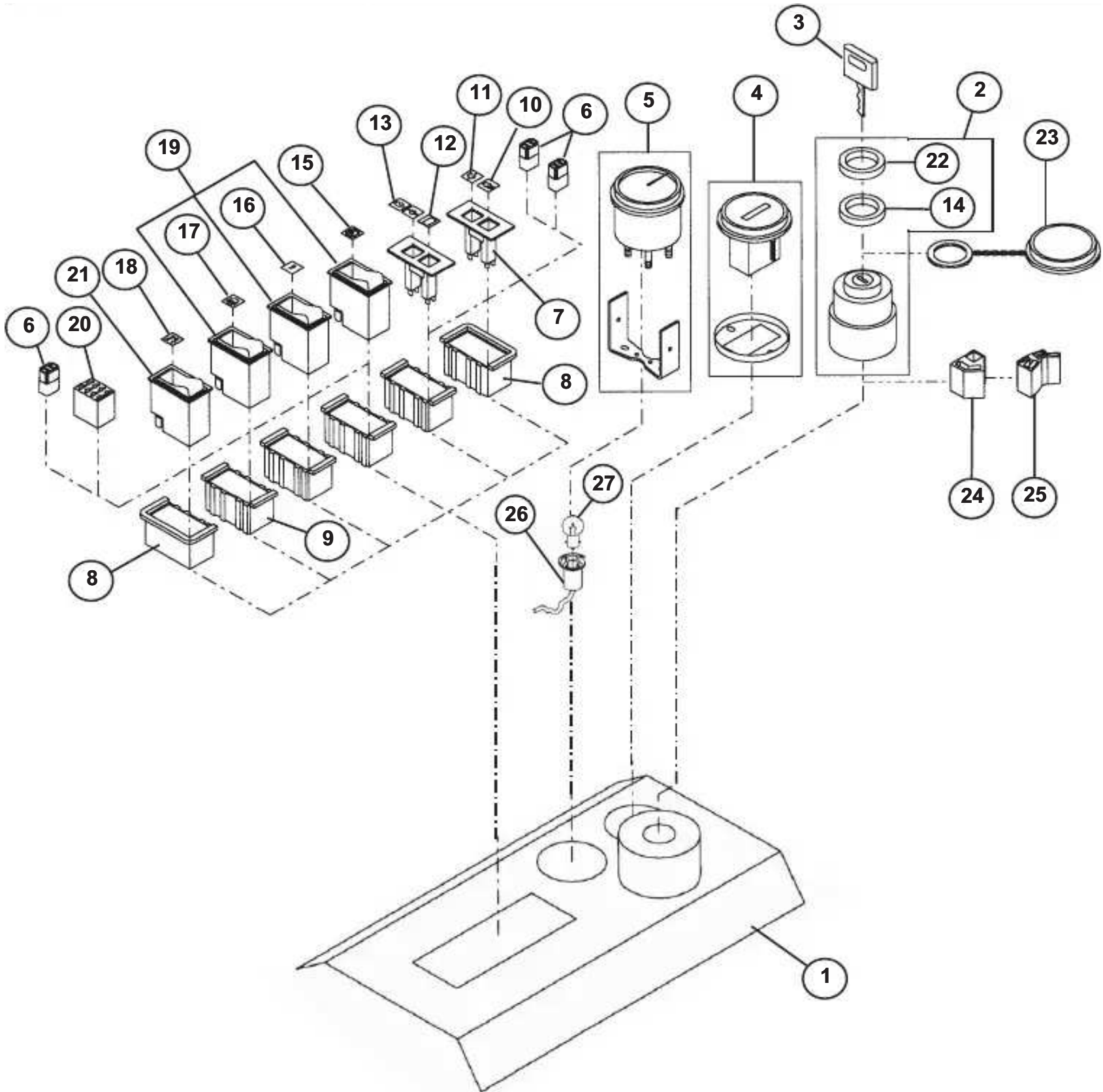
*Note: The old 3WD activator switch (140571) has been replaced by 140831, see Technical Bulletin 0020 for service procedure.

7-6 ELECTRICAL

WHEN ORDERING PARTS GIVE **SERIAL NUMBER** OF MACHINE

PARTS FAX 1-519-738-9633

DASH PANEL ASSEMBLY 24935095532D TO 33188035532D



**DASH PANEL ASSEMBLY
24935095532D TO 33188035532D**

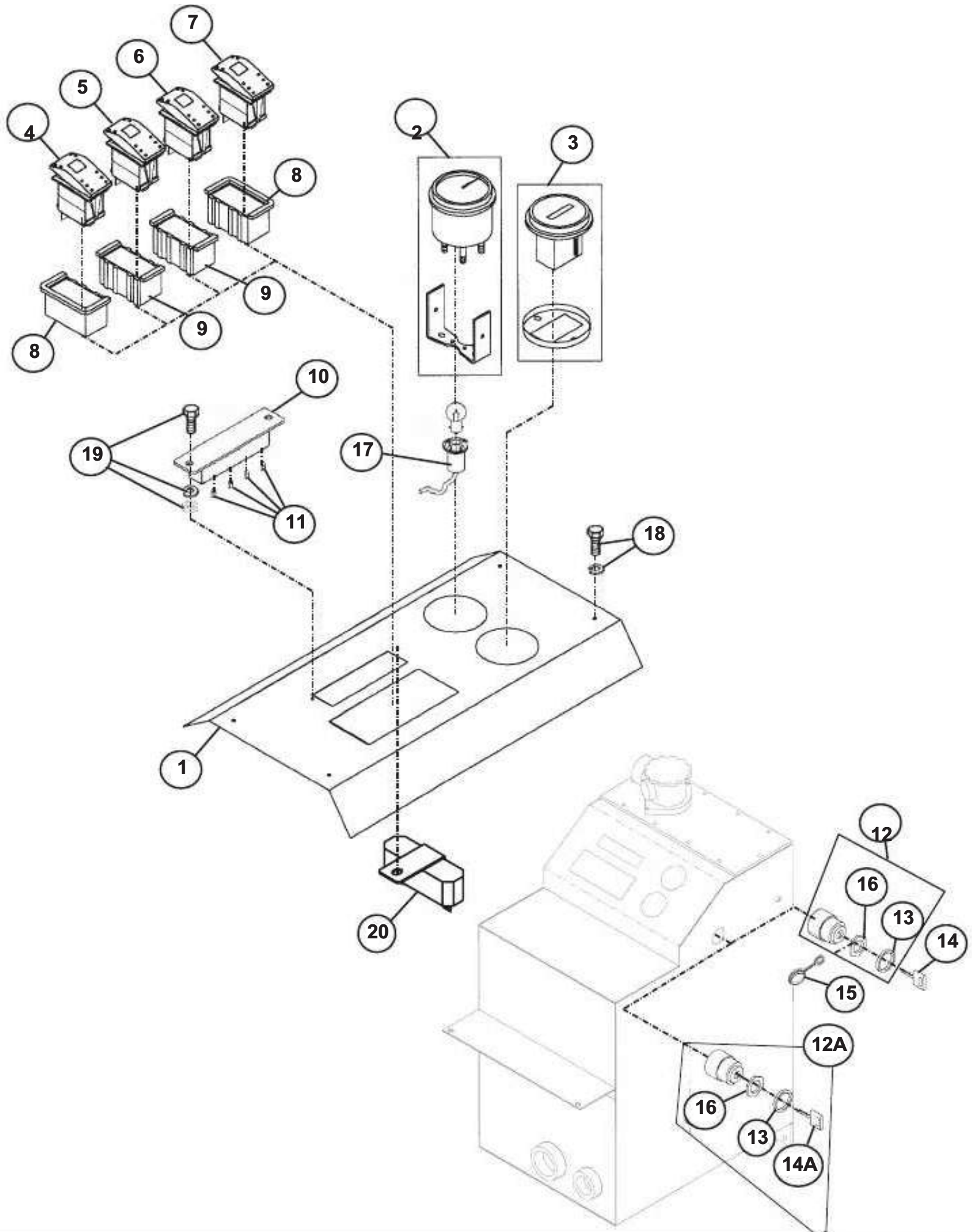
<u>FIG.</u>	<u>PART #</u>	<u>QTY.</u>	<u>DESCRIPTION</u>	<u>SERIAL NUMBER / REMARKS</u>
1.	300716	1	Dash Panel	24935095532D TO 26116025532D
1.	300821	1	Dash Panel	26186025532D TO 33188035532D
2.	140557	1	Ignition Switch - includes #14 & 22	
3.	280007	1	Ignition Switch Key	
4.	140995	1	Hour Meter - Hobbs	
5.	140084	1	Fuel Gauge	
6.	140573	8	Two Way Plug	
7.	140558	2	Pilot Lamp Vertical	
8.	140565	2	End Bezel	
9.	140566	4	Middle Bezel	
10.	140560	1	Icon - Engine Pre-Heat	
11.	140561	1	Icon - Engine Oil Pressure	
12.	140559	1	Icon - Battery	
13.	140578	1	Icon - Engine Oil Temperature - Deutz	
13.	140579	1	Icon - Engine Coolant Temperature - Perkins	
14.	N.S.S.	1	Ignition Switch Nut	
15.	140563.	1	Icon - Park Brake	
16.	140564	1	Icon - 3WD	
17.	140568	1	Icon - Headlights	
18.	140617	1	Icon - Trac Lock	
19.	140569	3	Switch - Rocker	
20.	140572	4	Plug - 8 Way	
21.	140616	1	Switch - Trac Lock	
22.	N.S.S	1	Ignition Switch Seal	
23.	190997	1	Ignition Switch Cover	
24.	280008	1	Housing	
25.	280009	1	Housing	
26.	140090	1	Light Kit	Bulb not included
27.	220601	4	Light Bulb	

7-7A ELECTRICAL

WHEN ORDERING PARTS GIVE **SERIAL NUMBER** OF MACHINE

PARTS FAX 1-519-738-9633

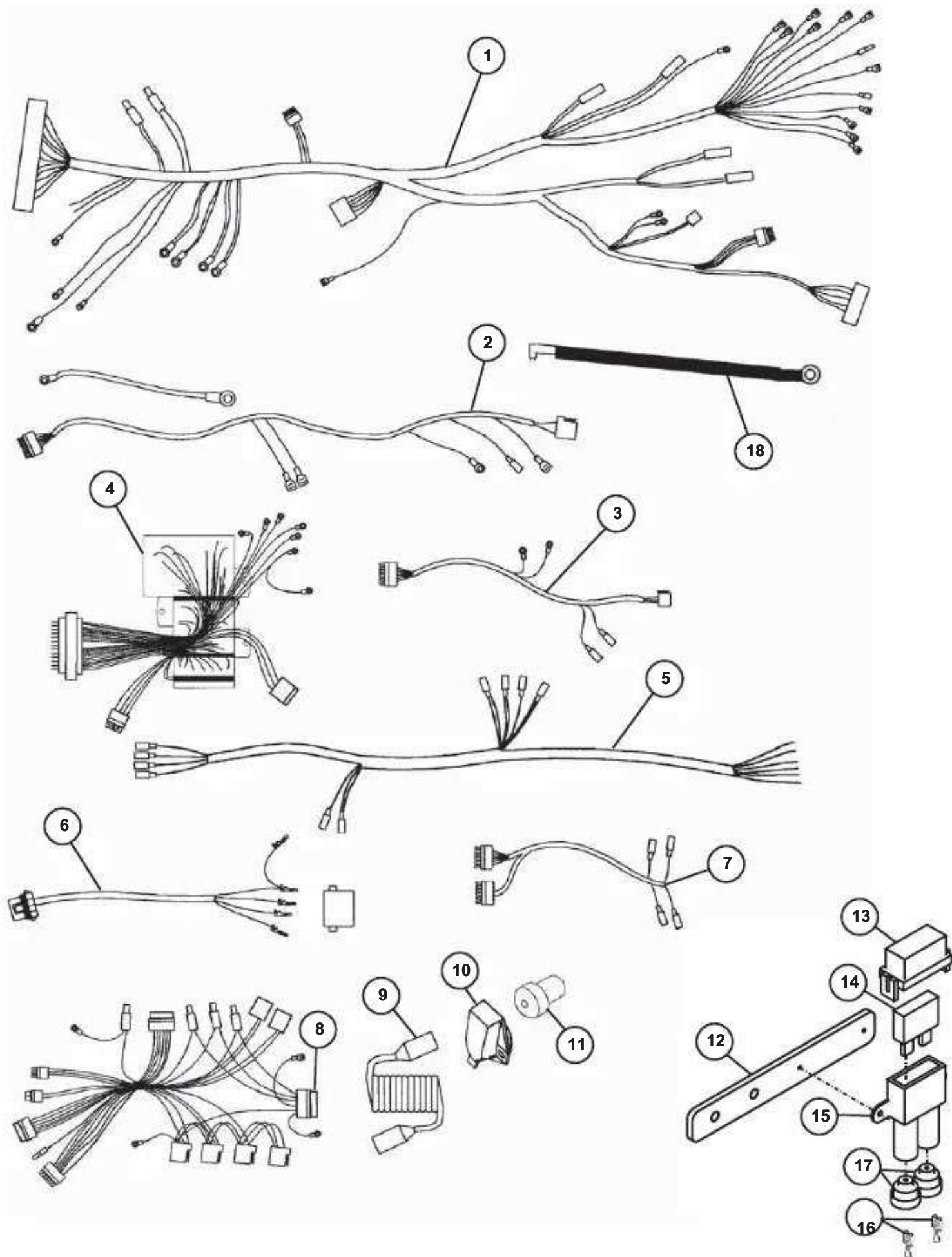
DASH PANEL ASSEMBLY 33268035532D TO XXXX



**DASH PANEL ASSEMBLY
33258035532D TO XXXX**

<u>FIG.</u>	<u>PART #</u>	<u>QTY.</u>	<u>DESCRIPTION</u>	<u>SERIAL NUMBER / REMARKS</u>
1.	302217	1	Dash Panel	
2.	140084	1	Fuel Gauge	
3.	140157	1	Hour Meter	
4.	140830	1	Trac Lock Switch Assembly	
5.	140831	1	3WD Switch Assembly	
6.	140832	1	Headlight Switch Assembly	
7.	140833	1	Park Brake Switch Assembly	
8.	140813	2	End Bezel	
9.	140814	2	Centre Bezel	
10.	140817	1	Four Bulb Display - includes 4 of #11	
11.	140838	4	Bulb	
12.	140557	1	Ignition Switch - includes #13 & 16	xxxx - 61845075532D
12A.	280169	1	Ignition Switch Anti-restart - includes #13, 14A, 16	61855075532D - xxxx
13.	N.S.S.	1	Ignition Switch Seal	
14.	280007	1	Ignition Switch Key	xxxx - 61845075532D
14A.	280170	1	Ignition Switch Key	61855075532D - xxxx
15.	190997	1	Ignition Switch Cover	
16.	N.S.S.	1	Ignition Switch Nut	
17.	140090	1	Light Kit	Bulb not included
18.		4	Mounting Hardware: Screw, Lockwasher - 10/32 x 3/4	
19.		2	Mounting Hardware: Screw, Lockwasher, Nut - 10/32 x 1/2	
20.	140967	1	Resistor - 50Ω - included with Dash Harness #302354	51402085532D - xxxx

WIRING HARNESSES



WIRING HARNESSSES

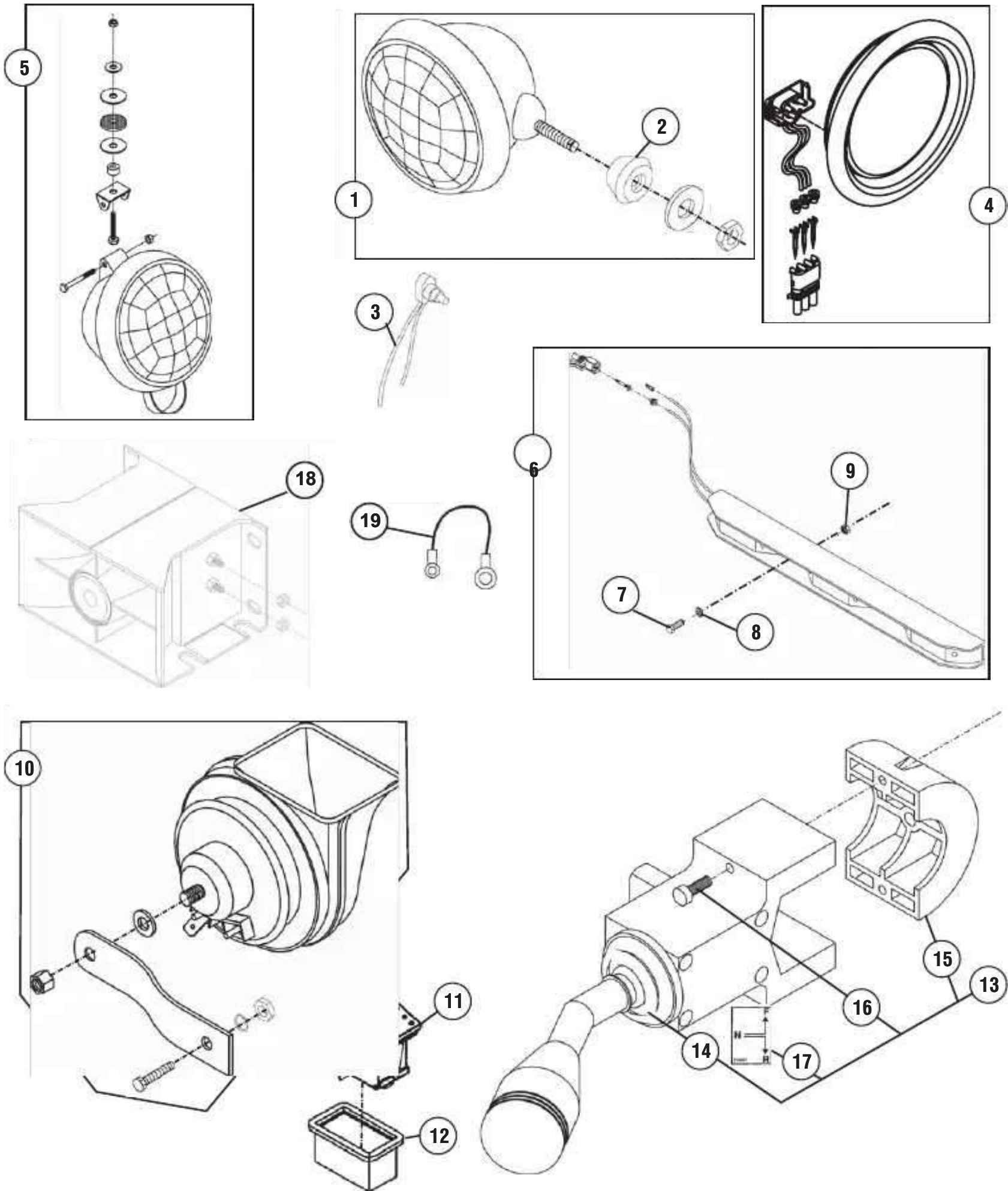
<u>FIG.</u>	<u>PART #</u>	<u>QTY.</u>	<u>DESCRIPTION</u>	<u>SERIAL NUMBER / REMARKS</u>
1.	300437	1	Deutz - Main Wire Harness	22715015532D TO 24885095532D
1.	300438	1	Perkins - Main Wire Harness	23125025532 TO 24875095532
1.	300758	1	Main Wire Harness	24935095532D TO 29887045532
1.	301009	1	Main Wire Harness	29907045532 TO 33188035532D
1.	302222	1	Main Wire Harness	Used on these trucks only: 2429, 2442, 2443, 2531, 2631, 2632, 2764, 2885
1.	302224	1	Main Wire Harness - includes Grommet #150383	33268035532D TO 39239075532D
1.	302353	1	Main Wire Harness	39389085532D TO xxxx
2.	300760	1	Perkins Engine Wire Harness	25125105532 TO 30407055532
2.	301026	1	Perkins Engine Wire Harness	30437065532 TO xxxx
3.	300759	1	Deutz Engine Wire Harness	24935095532D TO 33188035532D
3.	302223	1	Deutz Engine Wire Harness	33268035532D TO xxxx
4.	302233	1	Fuse & Relay Harness	33268035532D TO xxxx
5.	300516	1	Main Trailer Light Harness	xxxx TO 30047045532D
5.	300996	1	Main Trailer Light Harness	30117045532 TO xxxx
6.	254856	1	Forward/Reverse Shifter Harness	26096025532D TO 33188035532D
7.	300997	2	Tail Light Jumper Harness	xxxx TO 30047045532D
7.	300998	4	Tail Light Jumper Harness	30117045532D TO xxxx
8.	302232	1	Dash Harness	33268035532D TO 39239075532D
8.	302354	1	Dash Harness includes 140922 (1) 3 amp diode.	39389085532D TO xxxx
9.	140518	1	Coil Wire - 7 Way	
10.	140526	1	Cable Socket - 7 Way	
11.	140592	1	Socket Boot	
12.	301006	1	Maxifuse holder	
13.	140755	1	Cover w/seal	
14.	140502	1	Fuse - 60 amp	
15.	140754	1	Body w/tabs	
16.	140556	2	Connector	
17.	140756	2	Grey Seal	
18.	302486	1	Wire Harness--Excess Fuel Solenoid	57794085532D - xxxx

7-10 ELECTRICAL

WHEN ORDERING PARTS GIVE **SERIAL NUMBER** OF MACHINE

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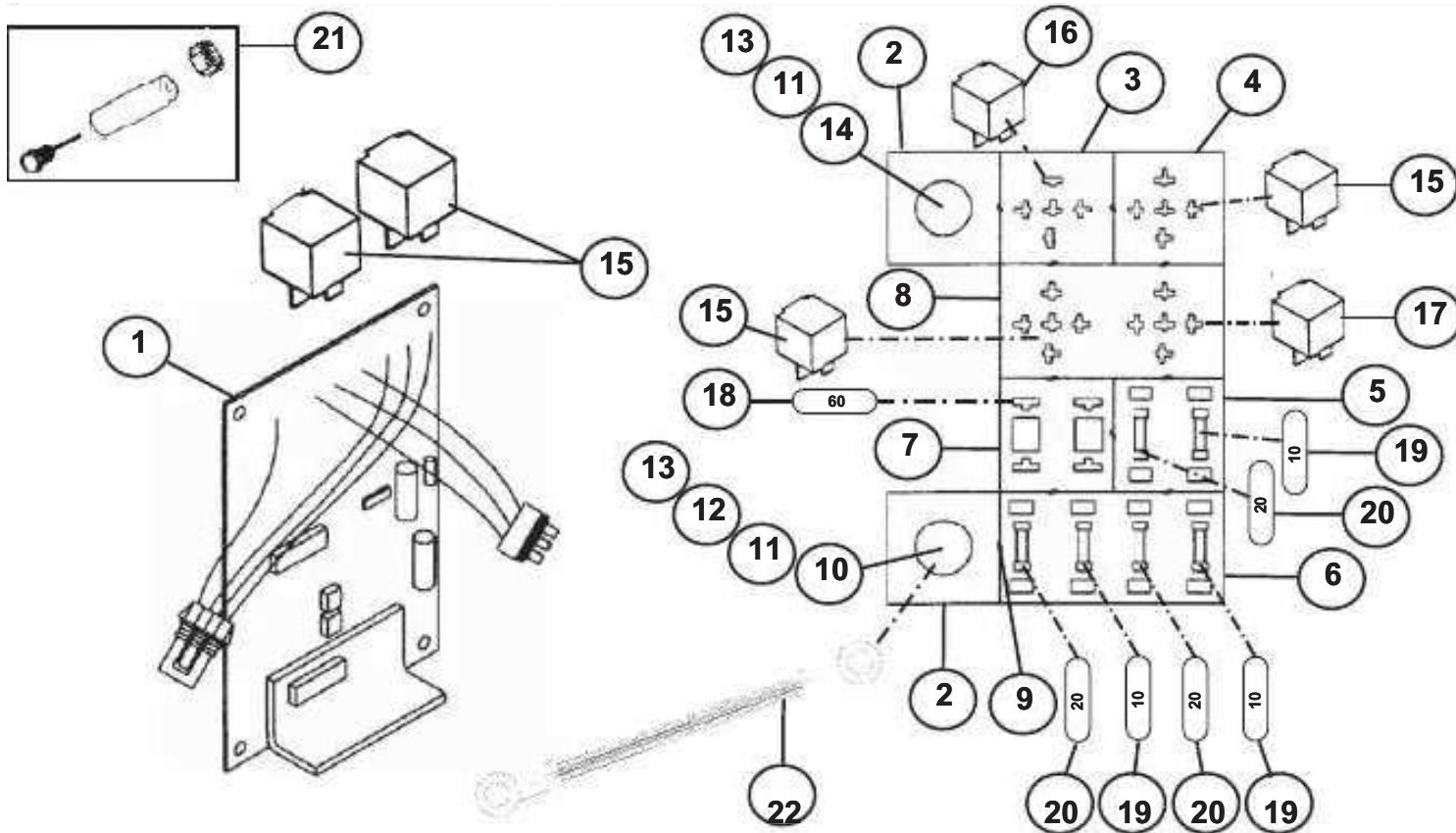
LIGHTS, HORN, SHIFTER & BACKUP ALARM



LIGHTS, HORN, SHIFTER & BACKUP ALARM

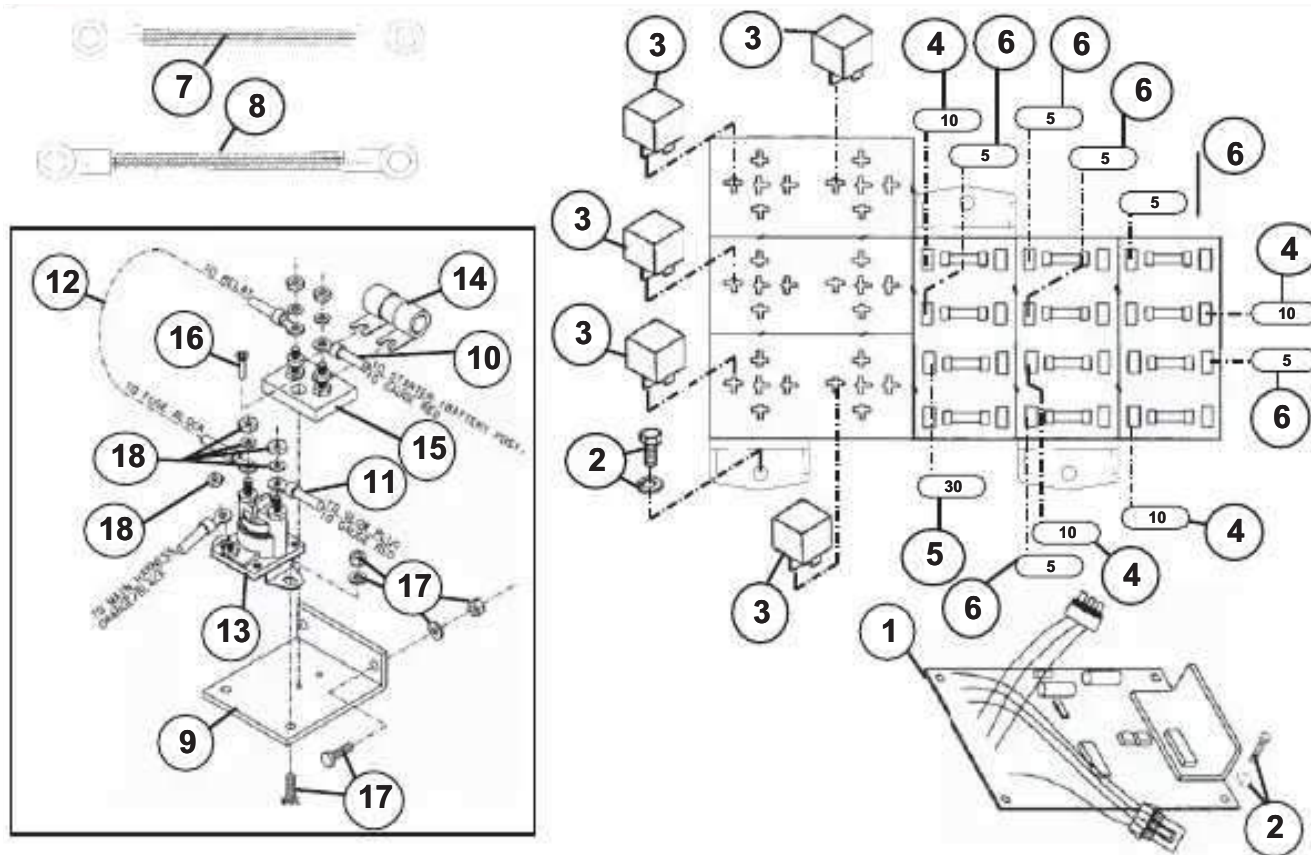
<u>Fig.</u>	<u>Part #</u>	<u>Qty.</u>	<u>Description</u>	<u>Serial Number / Remarks</u>
1.	140053	2	Headlight - includes #2	
2.	140789	1	Spacer - PVC	
3.	140758	1	Switch	For older style work lights only xxxx - 3703901553-4
4.	140176	4	Red Tail Light	xxxx TO 30047045532D
4.	301030	4	Red Tail Light Assembly	30117045532 TO 36228115532D
4.	140176	4	Red Tail Light	36318115532D TO xxxx
5.	140008	1	Work Light	
6.	302321	1	Clearance Light Bar	
7.	150903	2	Bolt	
8.	151052	2	Lockwasher	
9.	151051	2	Nut	
10.	140009	1	Horn	
11.	140130	1	Horn Button	xxxx TO 33188035532D
11.	140834	1	Horn Switch Assembly-Not pictured	33268035532D TO xxxx
12.	140815	1	Centre Bezel	
13.	K254857	1	Shifter Kit	22715015532D TO 25976015532D
13.	190986	1	Shifter - includes	26096025532D TO xxxx decal #254862 (pg. 14-8)
14.	191187	1	Boot	26096025532D TO xxxx
15.	191234	1	Collar	
16.	151453	2	Bolt - 5 mm , Socket	
17.	254862-A	1	Decal - Forward/Reverse Shifter	
18.	140108	1	Back-Up Alarm	
19.	702781	1	Ground Wire - Back-Up Alarm	

**TRANSMISSION CONTROL BOARD AND FUSE PANEL
XXXX TO 33188035532D**



<u>FIG.</u>	<u>PART #</u>	<u>QTY.</u>	<u>DESCRIPTION</u>	<u>SERIAL NUMBER / REMARKS</u>
1.	132005-P	1	Transmission Control - Proportional	
2.	140462	2	Mounting Module	
3.	140481	1	Relay Module	
4.	140479	1	Relay Module - Single	
5.	140540	1	Module	
6.	140465	1	Circuit - 4 Position	
7.	140473	1	Maxifuse Module	
8.	140480	1	Relay Module - Double	
9.	140463	10	Locking Wedge	
10.	150004	1	Bolt - 1/4	
11.	150123	3	Lockwasher - 1/4	
12.	150110	1	Flatwasher - 1/4	
13.	150102	2	Nut - 1/4	
14.	150035	1	Bolt - 1/4	
15.	140422	4	Relay-Forward & Reverse, 3WD, Cooler Fan	
16.	140461	1	Relay - Neutral Start	
17.	140528	1	Relay - Park Break	
18.	140502	1	Fuse - 60 Amp	
19.	140504	3	Fuse - 10 Amp	
20.	140506	3	Fuse - 20 Amp	
21.	140580	1	Mounting Kit	
22.	180097	1	Ground Cable	

TRANSMISSION CONTROL BOARD AND FUSE PANEL 33268035532D TO XXXX



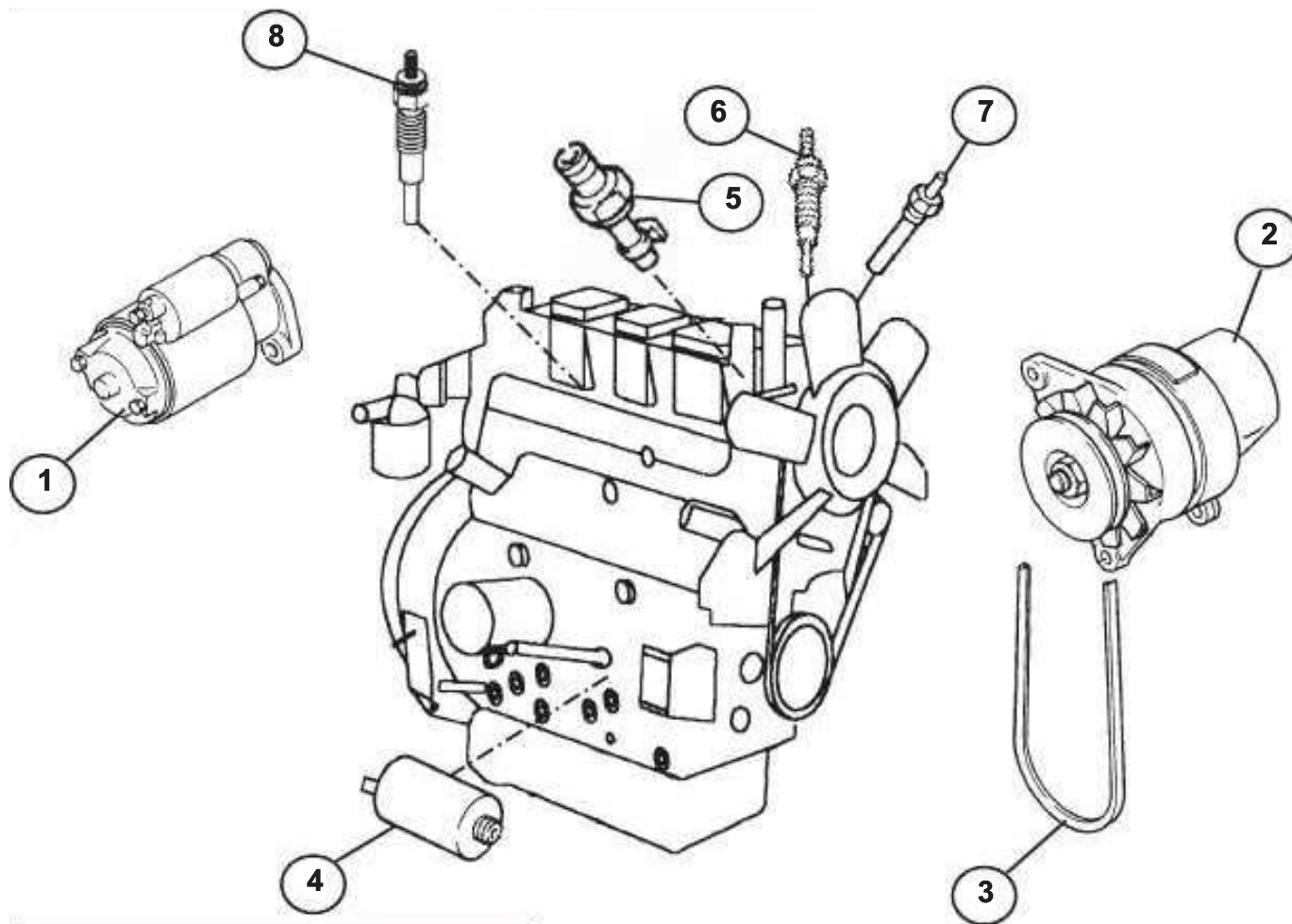
<u>FIG.</u>	<u>PART #</u>	<u>QTY.</u>	<u>DESCRIPTION</u>	<u>SERIAL NUMBER / REMARKS</u>
1.	132005	1	Transmission Control	
2.		5	Mounting Hardware: Screw, Lockwasher - 10/32	
3.	140528	5	Relay - Forward, Reverse, 3WD, Cooler Fan, Neutral Start	
4.	140504	4	Fuse - 10 Amp	
5.	140728	1	Fuse - 30 Amp	
6.	140503	6	Fuse - 5 Amp	
7.	180097	1	Ground Cable	57794085532D - xxxx
8.	300921	1	Wire - Plug to Plug - Deutz Only	57794085532D - xxxx
9.	302362	1	Fuse Bracket	57794085532D - xxxx
10.	302363	1	Wire - Starter to Glow Plug Relay	57794085532D - xxxx
11.	302364	1	Wire - Glow Plug to Glow Plug Relay	57794085532D - xxxx
12.	302365	1	Wire - Fuse Block to Glow Plug Relay	57794085532D - xxxx
13.	140366	1	Relay - Glow Plug	57794085532D - xxxx
14.	140367	1	Fuse	57794085532D - xxxx
15.	140368	1	Fuse Block	57794085532D - xxxx
16.	151198	2	Machine Screw - 10/32	57794085532D - xxxx
17.		4	Bolt, Lockwasher, Nut - 1/4	57794085532D - xxxx
18.	151299	1	Nut - 5 mm	57794085532D - xxxx

7-12 ELECTRICAL

WHEN ORDERING PARTS GIVE SERIAL NUMBER OF MACHINE

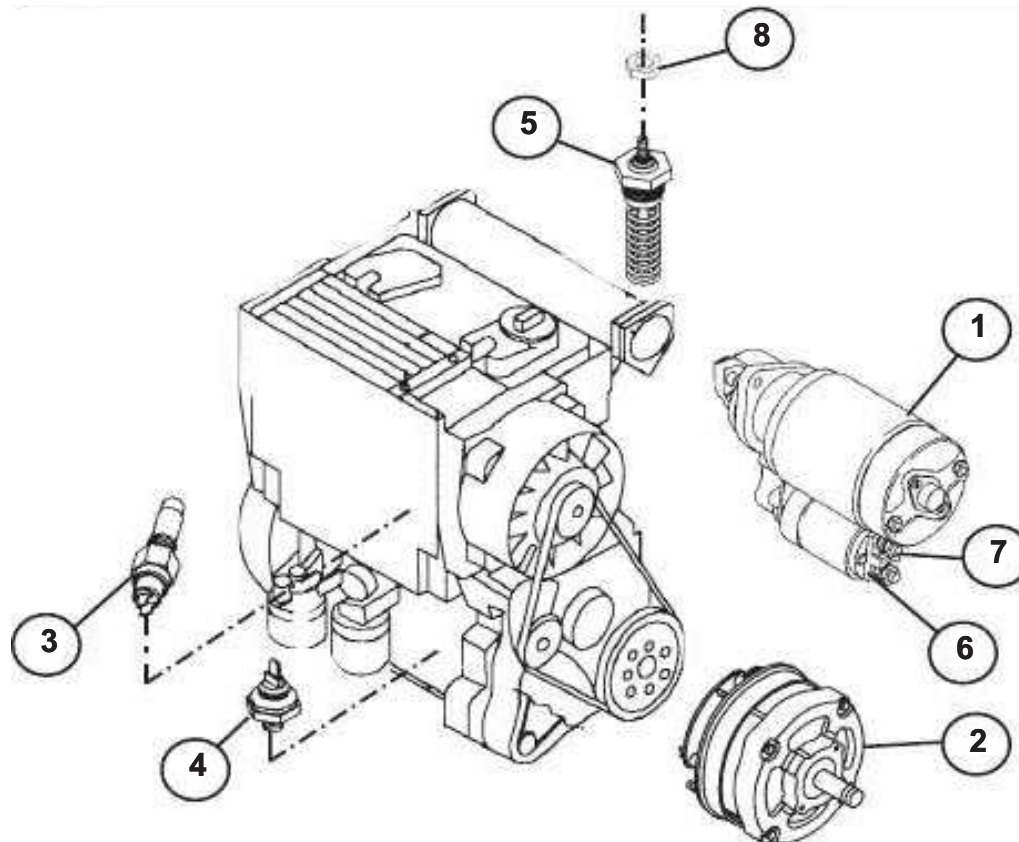
PARTS FAX 1-519-738-9633

PERKINS ELECTRICAL DRESS



<u>FIG.</u>	<u>PART #</u>	<u>QTY.</u>	<u>DESCRIPTION</u>	<u>SERIAL NUMBER / REMARKS</u>
1.	231094	1	Starter	Engine S/N: up to U905161C (but not including)
1.	232648	1	Starter Motor Assembly	Engine S/N: U905161C - xxxx
2.	231097	1	Alternator	xxxx TO 3040705532
2.	231813	1	Alternator	30437065532 TO xxxx
3.	231096	1	Alternator Belt	
4.	231462	1	Fuel Shut-off Solenoid	
5.	231065	1	Oil Pressure Switch	
6.	140089	1	Water Temperature Sender	22715015532D TO 24885095532D
7.	231064	1	Water Temperature Switch	24935095532D TO xxxx
8.	231452	4	Glow Plug	

DEUTZ ELECTRICAL DRESS



<u>FIG.</u>	<u>PART #</u>	<u>QTY.</u>	<u>DESCRIPTION</u>	<u>SERIAL NUMBER / REMARKS</u>
1.	280048	1	Starter	22715015532D TO 24435075532D
1.	280051	1	Starter (F Type)	24445075532D TO 46721045532D
1.	280134	1	Starter	46751045532D TO xxxx
2.	280047	1	Alternator	
3.	280049	1	Oil Temperature Sender/Switch	
4.	280050	1	Oil Pressure Switch	
5.	280021	1	Glow Plug	
6.	280053	1	Starter Solenoid	24445075532D TO xxxx
7.	280054	3	Screw	24445075532D TO xxxx
8.	151299	1	Nut - 5 mm	
9.	280135	1	Ring Gear (Not Pictured)	22715015532D TO 46721045532D
9.	280136	1	Ring Gear (Not Pictured)	46751045532D TO xxxx

7-14 ELECTRICAL

WHEN ORDERING PARTS GIVE **SERIAL NUMBER** OF MACHINE

PARTS FAX 1-519-738-9633

BATTERY AND RELATED PARTS

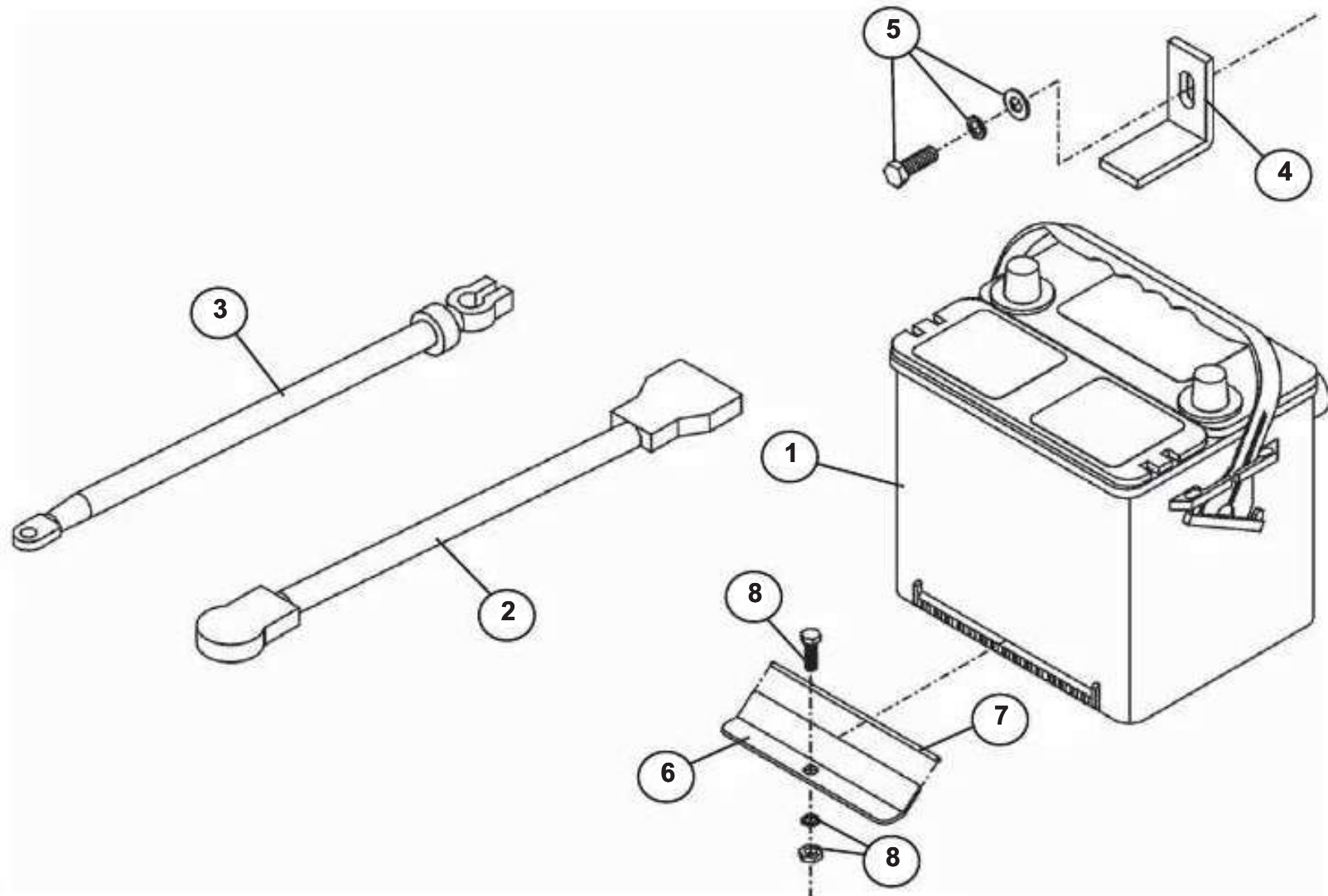


FIG.	PART #	QTY.	DESCRIPTION	SERIAL NUMBER / REMARKS
1.	140524	1	Battery	
2.	300607	1	Battery Cable - Positive - 52"	Deutz Engines Only
2.	253978	1	Battery Cable - Positive - 56"	Perkins Engines Only
3.	300608	1	Battery Cable - Negative - 18"	
4.	300344	1	Battery Hold Down	
5.		1	Mounting Hardware: Bolt, Lockwasher, Flatwasher - 3/8	
6.	302385	1	Battery Hold Down	42600035532D - XXXX
7.	190057	5 1/2"	Edge Trim	
8.		1	Mounting Hardware: Bolt, Lockwasher, Nut - 5/16	