

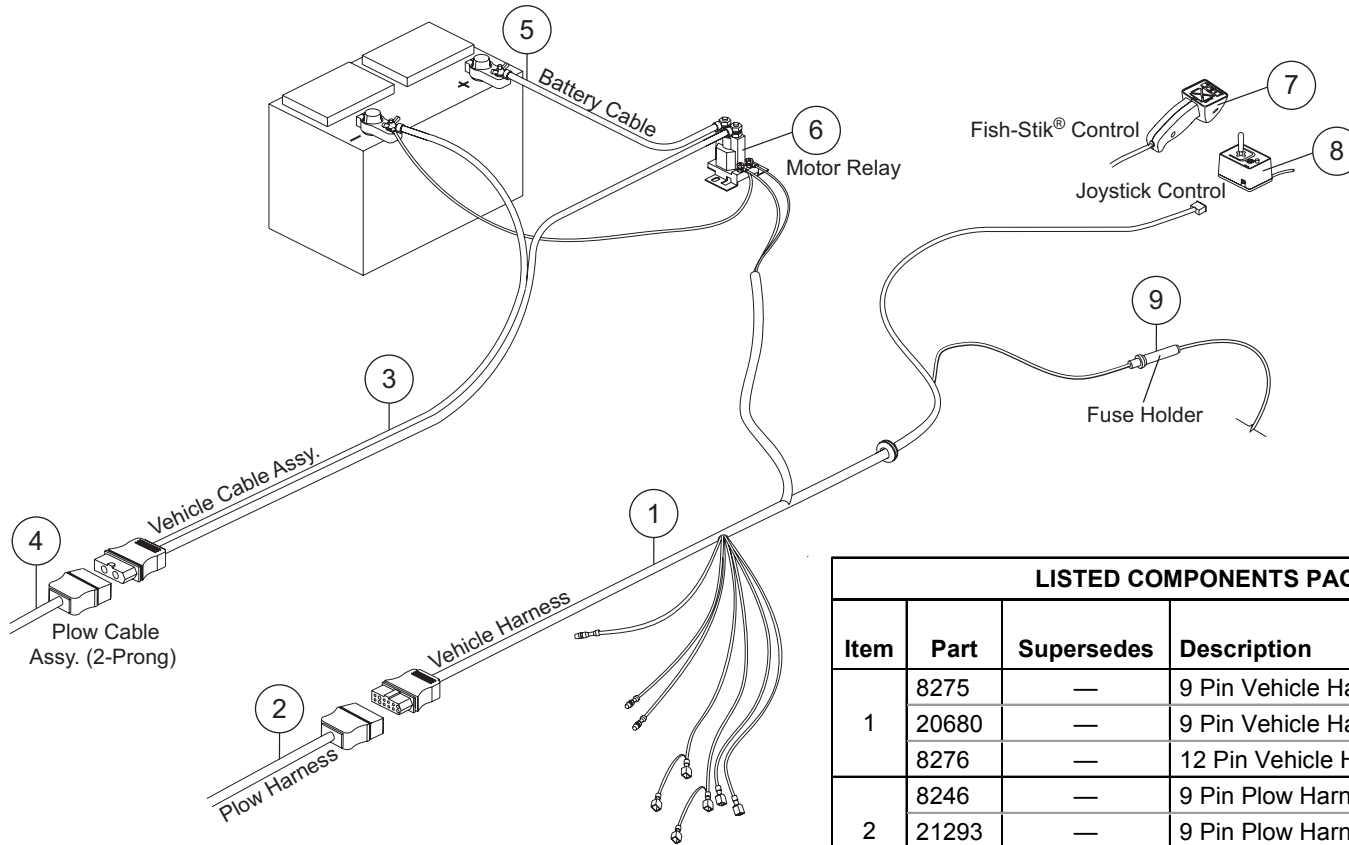
Fisher Engineering

September 11, 2003
Lit. No. 27448

HYDRAULIC AND ELECTRICAL HARNES REFERENCE GUIDE

**FOR EZ-V[®] AND STRAIGHT BLADE SNOWPLOWS
EQUIPPED WITH Insta-Act[®] OR SEHP HYDRAULIC SYSTEMS**

STRAIGHT BLADE WITH 8225/8240/8425 (SEHP) HYDRAULIC SYSTEM AND 8416-X⁽¹⁾/8417/8430-X⁽¹⁾ LIGHTING

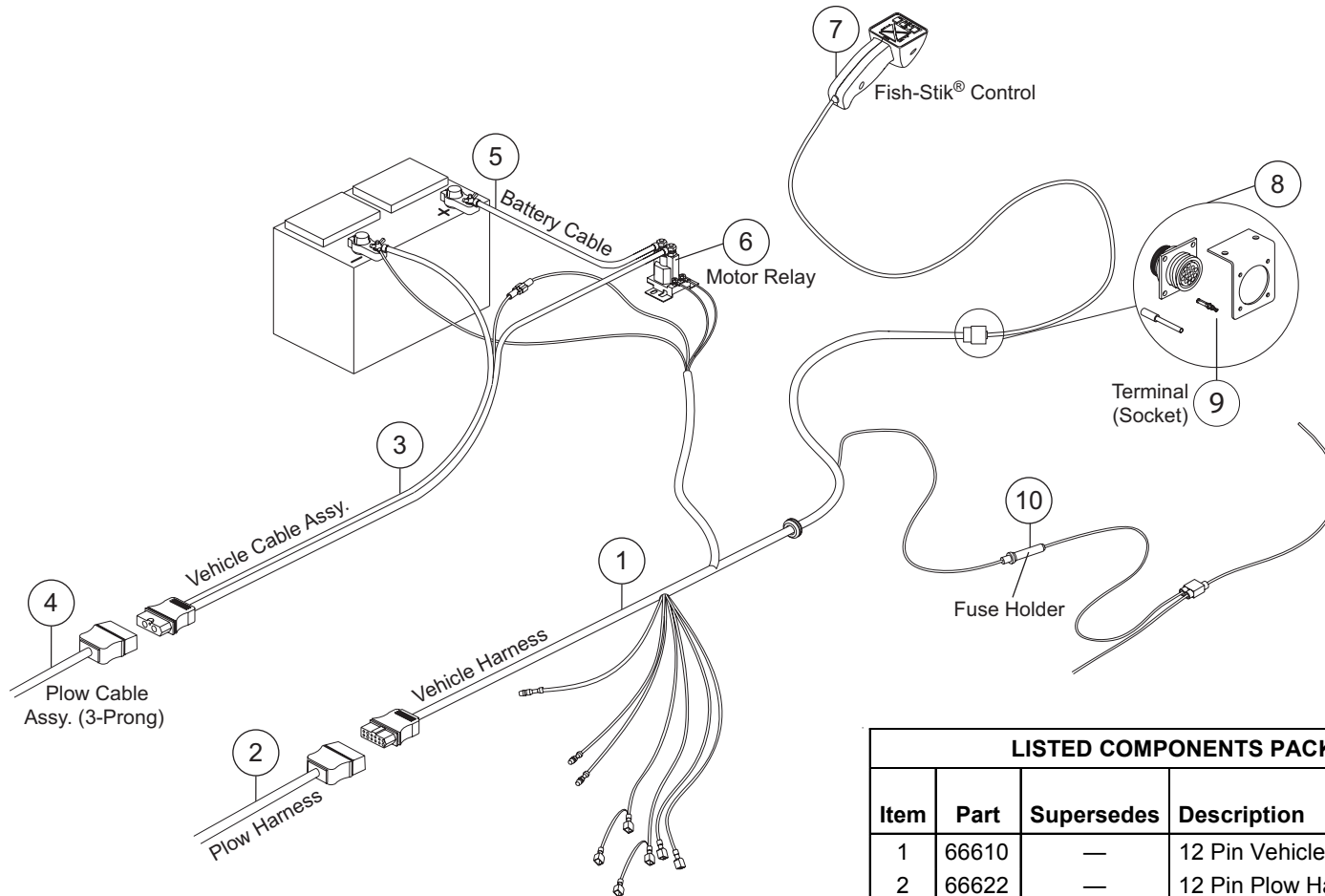


LISTED COMPONENTS PACKED IN THE FOLLOWING KITS:

Item	Part	Supersedes	Description	Hydraulic Kits	Common Light Kits ⁽¹⁾
1	8275	—	9 Pin Vehicle Harness	—	8416-X
	20680	—	9 Pin Vehicle Harness	—	8430-X
	8276	—	12 Pin Vehicle Harness	—	8417
2	8246	—	9 Pin Plow Harness	—	8416
	21293	—	9 Pin Plow Harness	—	8416-1,8430-X
	8273	—	12 Pin Plow Harness	—	8417
3	61169	8274	Vehicle Cable Assembly	8225,8240	—
	21330	—	Vehicle Cable Assembly	8425	—
4	8245	—	Plow Cable Assembly	8225,8240,8425	—
5	22511	5799	Battery Cable-22" Red	8225,8240	—
	20681	—	Battery Cable-50" Red	8425	—
6	5794K	—	Motor Relay	8225,8240,8425	—
7	9400	—	Fish-Stik [®] Control	Sold Separately	—
8	8292	—	Joystick Control		—
9	80168	—	Replacement Fuse (5 Pack)		—

⁽¹⁾ "X" indicates information is applicable to all revisions of the kit.

EZ-V® PLOW WITH 8428 Insta-Act® HYDRAULIC SYSTEM AND 8427 LIGHTING



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LISTED COMPONENTS PACKED IN THE FOLLOWING KITS:

Item	Part	Supersedes	Description	Hydraulic Kits	Common Light Kits
1	66610	—	12 Pin Vehicle Harness	—	8427
2	66622	—	12 Pin Plow Harness	—	8427
3	66623	—	Vehicle Cable Assembly	8428	—
4	66624	—	Plow Cable Assembly	8428	—
5	22511	5799	Battery Cable-22" Red	8428	—
6	5794K	—	Motor Relay	8428	—
7	66636	—	V-Plow Control	8428	—
8	56496	—	V-Plow Connector, Bagged Assy.	9828-X ⁽¹⁾	8427
9	22123	—	Replacement Terminal (10 Pack)	Sold Separately	
10	80168	—	Replacement Fuse (5 Pack)		

(1) "X" indicates information is applicable to all revisions of the kit.

STRAIGHT-BLADE OR EZ-V® PLOW WITH Insta-Act® HYDRAULIC SYSTEM AND 8435 E-FORCE LIGHTING

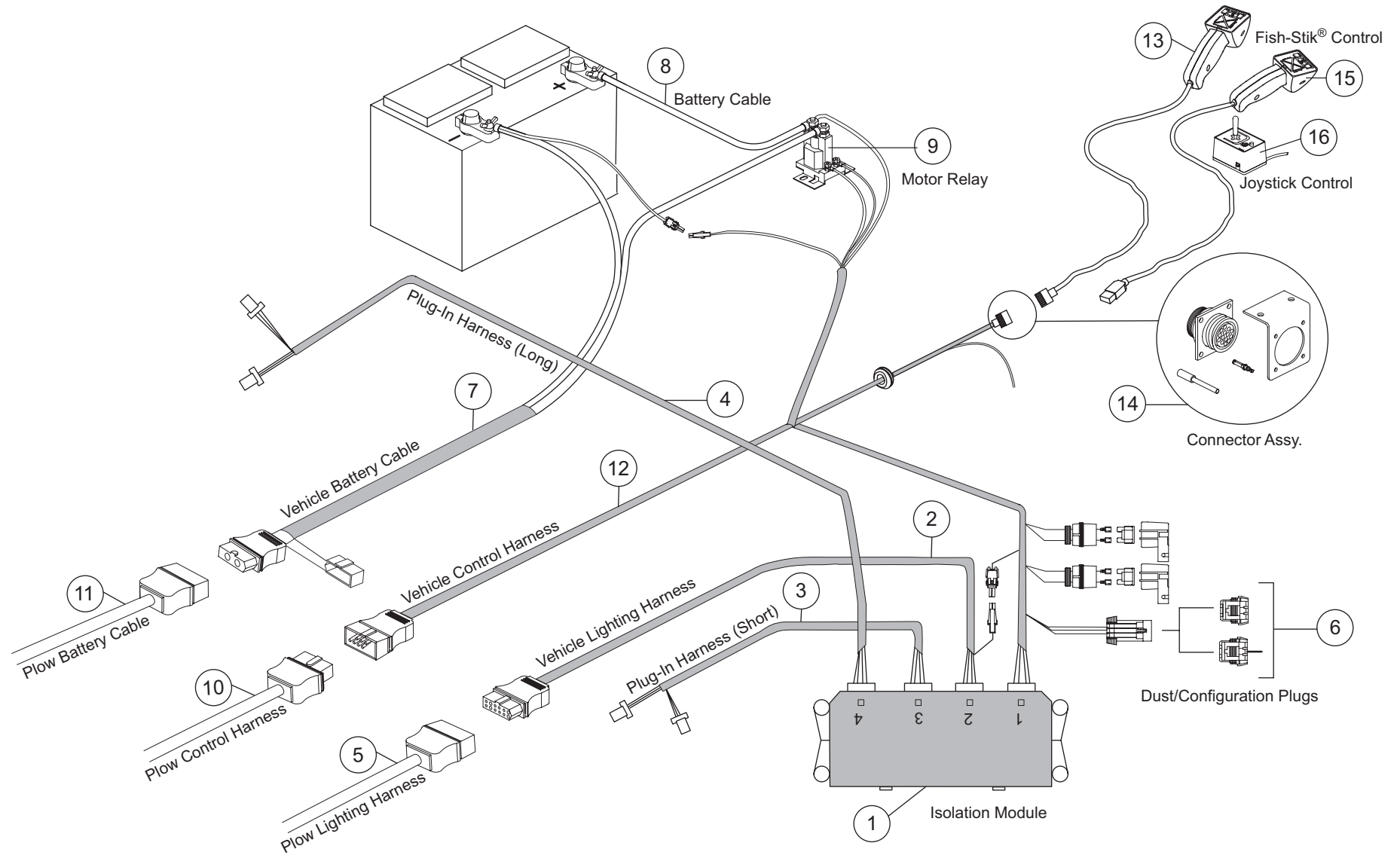
PARTS LOCATION MATRIX			LISTED COMPONENTS PACKED IN THE FOLLOWING KITS:		
Item	Part	Description	Plug-In Harness Kits	Hydraulic Kits ⁽³⁾	Headlamp Kit
1	26400	E-Force Isolation Module (White Label)	8436,8438,8439,8442,8443,27480,27890,28028,28400	-	-
	27781	E-Force Isolation Module (Light Green Label) ⁽¹⁾	8437,27780	-	-
2	26357	Vehicle Lighting Harness – 11 Pin	All	-	-
3	26349	Plug-In Harness, Short, HB-1/HB-5	8436	-	-
	26361	Plug-In Harness, Short, GMC Sierra/Chevy Silverado	8437,27480 ⁽²⁾	-	-
	26351	Plug-In Harness, Short, HB-3/HB-4	8438,27780 ⁽²⁾	-	-
	26356	Plug-In Harness, Short, 2B/2D/HB2	8439	-	-
	26372	Plug-In Harness, Short, HB-1/HB-5 Dodge 4 Light	8442	-	-
	27885	Plug-In Harness, Short, GM 4500/5500	27890	-	-
	28032	Plug-In Harness, Short, GMC Envoy/Chevy Trail Blazer	28028	-	-
	28244	Plug-In Harness, Short, H13	28400	-	-
4	26354	Plug-In Harness, Long, HB-1/HB-5	8436	-	-
	26360	Plug-In Harness, Long, GMC Sierra/Chevy Silverado	8437,27480 ⁽²⁾	-	-
	26352	Plug-In Harness, Long, HB-3/HB-4	8438,27780 ⁽²⁾	-	-
	26353	Plug-In Harness, Long, 2B/2D/HB2	8439	-	-
	26370	Plug-In Harness, Long, HB-1/HB-5 Dodge 4 Light	8442	-	-
	27886	Plug-In Harness, Long, GM 4500/5500	27890	-	-
	28030	Plug-In Harness, Long, GMC Envoy/Chevy Trail Blazer	28028	-	-
	28242	Plug-In Harness, Long, H13	28400	-	-
not shown	22381	Adapter Kit, Side-Post Battery	8437,8438,27480,27780,28028	-	-
	26273	Adapter Kit, Dodge Sport Package	8442	-	-
	26636	Plug-In Harness Extension – 90", Ford/International MC	26640 Adapter Kit	-	-
	26638	Plug-In Harness, Topkick/Kodiak	8443	-	-
	26642	Adapter Cable, HB-5 Female to 1A/2A (Set of 2), Mitsubishi FG	26641 Adapter Kit	-	-
	26643	Adapter Cable, HB-5 Male to 1A/2A (Set of 2), Mitsubishi FG	26641 Adapter Kit	-	-
	26661	Cable Clamp Kit	8443	-	-
	27968	Adapters, 2B to 2E (Set of 2)	Sold Separately	-	-
	28027	Adapter Kit, In-Line, Ford Explorer	Sold Separately	-	-
	64128	Motor Relay Bracket	27890	-	-
5	26347	Plow Lighting Harness - 11 Pin	-	-	8435
6	26420	Dust Cover Plug	8437,27780	-	-
	26421	Configuration Plug	8436,8438,8439,8442,8443,27480,27890,28028,28400	-	-
7	63411	Vehicle Battery Cable	-	9825-X,9835-1,9840-X,9828-X	-
8	22511	Battery Cable 22" Red	-	9825-X,9835-1,9840-X,9828-X	-
	20681	Battery Cable 50" Red	8443,26641 Adapter Kit	-	-
	21563	Battery Cable 90" Red	26640 Adapter Kit	-	-
9	5794K	Motor Relay	-	9825-X,9835-1,9840-X,9828-X	-
10	26359	3 Pin Plow Control Harness (Straight Blade)	-	9825-X,9835-1,9840 – X	-
	26358	7 Pin Plow Control Harness (V-Plow)	-	9828-X	-
11	21294	Plow Battery Cable	-	9825-X,9835-1,9840-X,9828-X	-
12	26345	3 Pin Vehicle Control Harness (Straight Blade)	-	9825-X,9835-1,9840 – X	-
	26346	7 Pin Vehicle Control Harness (V-Plow)	-	9828-X	-
13	66636	V-Plow Fish-Stik® Control	-	9828-X	-
14	56496	V-Plow Connector, Bagged Assembly	-	9828-X	-
15	9400	Fish-Stik Control (Straight Blade)	Sold Separately	-	-
16	8292	Joystick Control (Straight Blade)		-	-

⁽¹⁾ Supersedes Yellow Label.

⁽²⁾ Requires Rev. 3 harness or higher.

⁽³⁾ "-X" indicates information is applicable to all revisions of the kit.

STRAIGHT-BLADE OR EZ-V® PLOW WITH Insta-Act® HYDRAULIC SYSTEM⁽¹⁾ AND 8435 E-FORCE LIGHTING

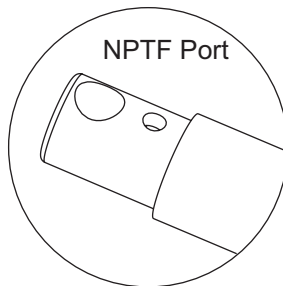


RAM AND CONTROL HARNESS SELECTION CHARTS

Insta-Act [®] System Control Harnesses					
	Kit Number				
	9825-X	9828-X	9835	9835-1	9840-X
Vehicle Control Harness	26345	26346	NA – In 8430-X Light Kit	26345	26345
Plow Control Harness	26359	26358		26359	26359

Harness Repair Ends		
	Harness	Repair End
E-Force Lighting	26345	27063K
	26346	27067K
Original MM Lighting	8612	22334K
	8246/ 21293	22335K
	8275	22336K
	8273/ 21713	22337K
	8276	22338K

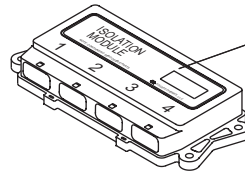
Ram Selection Chart											
	Kit Number										
	9825	9825-1	9828	9828-1	9828-2	9828-3	9835	9835-1	9840	9840-1**	9840-2
Lift Ram	A5096	56718*	20116K	20116K	56600K*	56600K*	A3463	56740*	20116K	56600K*	56600K*
Angle Ram	20116K	56600K*	66375	56546	56546	64297*	A5166K	A5166K	20117K	20117K	56603K*



** In 9840-1 kit only, lift ram requires part #56723 adapter fitting.

Replacement Rod Assemblies		
Ram	Stroke	Rod Part #
A3463	2" x 10"	3626
A5096	1-1/2" x 6"	21824
A5166K	2" x 16"	6995
20116K	1-1/2" x 10"	20618
20117K	1-1/2" x 12"	20601
56600K*	1-1/2" x 10"	26981
56603K*	1-1/2" x 12"	56715
64297*	2" x 10"	66394
56718*	1-1/2" x 6"	56717
56740*	2" x 10"	64152

E-FORCE PLUG-IN REFERENCE GUIDE



Part Description

26400 Isolation Module (White Label)

26401 Isolation Module (Yellow Label)

1999–2002 GMC Sierra & Chevy Silverado

27781 Isolation Module (Light Green Label)

1999–20__ GMC Sierra & Chevy Silverado**

8436, 8437, 8438, 8439, 8442, 8443, 27480, 27780, 27890, 28028, 28400 Plug-In Harness Kits												
Part	Description	Qty										
		8436	8437	8438	8439	8442	8443	27480	27780	27890	28028	28400
26354	Plug-In Harness, HB-1/HB-5, Long	1										
26349	Plug-In Harness, HB-1/HB-5, Short	1										
26360	Plug-In Harness, HB-3/HB-4, Long 1999–20__ GMC Sierra/Chevy Silverado		1					1**				
26361	Plug-In Harness, HB-3/HB-4, Short 1999–20__ GMC Sierra/Chevy Silverado		1					1**				
26352	Plug-In Harness, HB-3/HB-4, Long			1					1**			
26351	Plug-In Harness, HB-3/HB-4, Short			1					1**			
26353	Plug-In Harness, 2B/2D, Long				1							
26356	Plug-In Harness, 2B/2D, Short				1							
26370	Plug-In Harness, Dodge Quad, Long					1						
26372	Plug-In Harness, Dodge Quad, Short					1						
26638	Plug-In Harness, Topkick/Kodiak						1					
27886	Plug-In Harness, GM 4500/5500, Long									1		
27885	Plug-In Harness, GM 4500/5500, Short									1		
28030	Plug-In Harness, GMC Envoy/Chevy Trail Blazer, Long										1	
28032	Plug-In Harness, GMC Envoy/Chevy Trail Blazer, Short										1	
28242	Plug-In Harness. H13, Long											1
28244	Plug-In Harness. H13, Short											1
26357	Vehicle Lighting Harness – 11-pin	1	1	1	1	1	1	1	1	1	1	1
26400	Isolation Module (White Label)	1		1	1	1	1	1		1	1	1
27781	Isolation Module (Light Green Label) * 1999–20__ GMC Sierra & Chevy Silverado		1						1			

* Supersedes the Yellow Label.

** Must be Revision 3 or higher.



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