

Your Ultimate Source for OEM Repair Manuals

FactoryManuals.net is a great resource for anyone who wants to save money on repairs by doing their own work. The manuals provide detailed instructions and diagrams that make it easy to understand how to fix a vehicle.

2022 Jeep GRAND CHEROKEE Service Manual

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Pin	Circuit	Circuit Function	Color	Gauge/Size	Option
29	F944	FUSED IGNITION	PK	0.35	
30	L964	5 VOLT SUPPLY	WH	0.35	EXCEPT AIR SUSPENSION
30	S141	SENSOR RETURN	DB	0.35	AIR SUSPENSION
31	L963	SIGNAL	WH	0.35	EXCEPT AIR SUSPENSION
31	S140	POWER SUPPLY	DB	0.35	AIR SUSPENSION
32	L965	SENSOR RETURN	WH	0.35	EXCEPT AIR SUSPENSION
32	S142	SIGNAL	DB	0.35	AIR SUSPENSION
33	S163	SIGNAL	BG	0.35	
34	S164	SENSOR RETURN	BG	0.35	
35	S161	SENSOR RETURN	BG	0.35	
36	S160	SIGNAL	BG	0.35	
37	S185	SENSOR RETURN	BU	0.35	
38	S183	SIGNAL	BU	0.35	
39	S184	SENSOR RETURN	GY	0.35	
40	S182	SIGNAL	GY	0.35	

XY810A

HARNESS_CONNECTOR No:Y810A		Option:Standard
Connector Details		Harness Family
Color	BLACK	
Part Number	7297-1013-30	UNDERBODY
Repair Kit Part Number	TBD 20JT-5	UNDERBODY

Pin	Circuit	Circuit Function	Color	Gauge/Size	Option
8	B66	CONTROL B	DG	2.5	
9	N11	PWM CONTROL	DB	0.50	
10	N12	PWM FEEDBACK	DB	0.35	
11	N1	RELAY OUTPUT	DB	2.0	
12	B2	SPEED SIGNAL (+)	DG	0.35	
13	B4	SPEED SIGNAL (+)	DG	0.35	
14	B3	SPEED SIGNAL (-)	DG	0.35	
15	H451	CHARGE PORT DOOR LOCK	BG	0.35	PHEV
15	K108	SIGNAL	VT	0.50	EXCEPT PHEV
16	K917	SENSOR GROUND	BN	0.50	
17	H452	CHARGE PORT DOOR UNLOCK	BG	0.75	
18	S143	POWER SUPPLY	DB	0.35	
19	S144	SENSOR RETURN	DB	0.35	
20	S145	SIGNAL	DB	0.35	
21	K31	PRESSURE SIGNAL	BN	0.35	
22	N8	POWER SUPPLY	DB	0.35	
23	N10	SENSOR RETURN	DB	0.35	
24	N7	PRESSURE SIGNAL	DB	0.35	
25	S133	VALVE (-)	YE	0.50	
26	S132	VALVE (+)	YE	0.50	
27	S131	VALVE (-)	YE	0.50	
28	S130	VALVE (+)	YE	0.50	

Connector Views

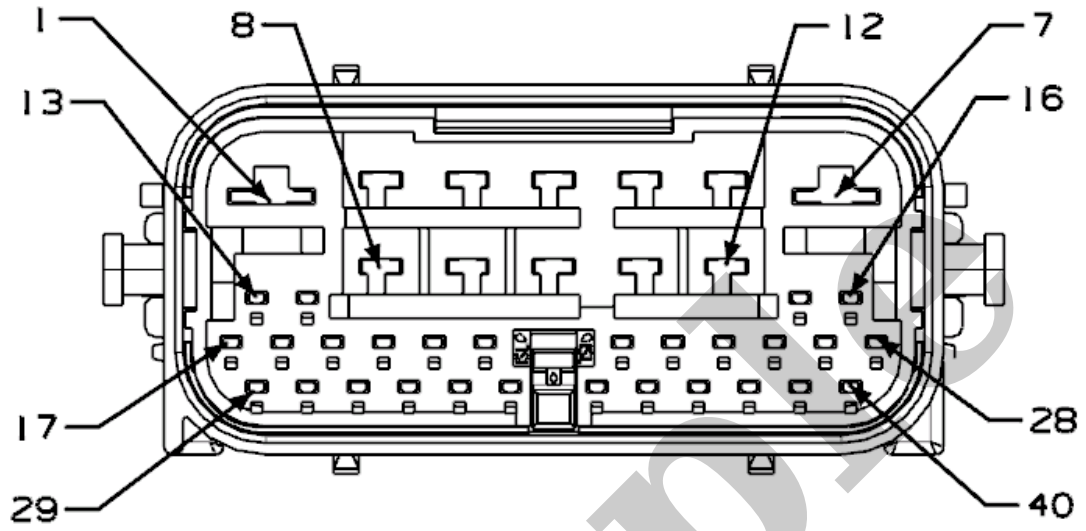


Wire Insertion Side:

Sample

Connector Views

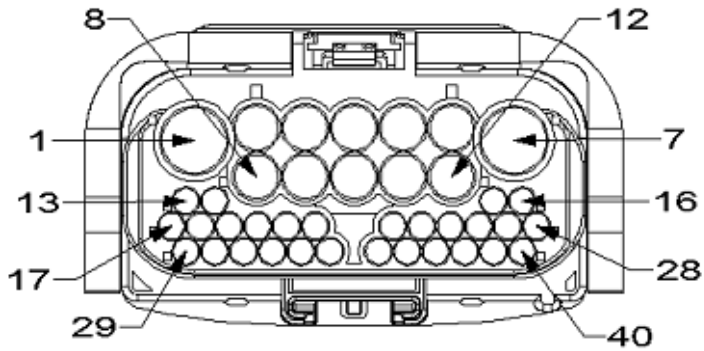
Mating Side:



Isometric View:

Pin	Circuit	Circuit Function	Color	Gauge/Size	Option
31	D671	CAN C (-)	WH	0.35	
32	D210	CAN C (+) - EPT	WH	0.35	
33	D211	CAN C (-) - EPT	WH	0.35	
34	H130	SHUT OFF VALVE CONTROL	VT	0.35	
35	H454	CHARGE PORT UNLOCK SWITCH SENSE	BG	0.35	
36	H453	CHARGE PORT LOCK SWITCH SENSE	BG	0.35	
37	N373	RADIATOR FAN CONTROL SIGNAL	VT	0.35	
38	T349	HIGH VOLTAGE INTERLOCK SAFETY LOOP 1	YE	0.35	
39	A236	FUSED B(+)	RD	0.50	
40	F853	5 VOLT SUPPLY	BN	0.35	

Connector Views



Pin	Circuit	Circuit Function	Color	Gauge/Size	Option
UNDERBODY_LEFT					
1	N0	NO CONNECT	NA	0	
2	F751	POWER SUPPLY	PK	0.35	
3	N0	NO CONNECT	NA	0	
4	N0	NO CONNECT	NA	0	
5	N0	NO CONNECT	NA	0	
6	N0	NO CONNECT	NA	0	
7	N0	NO CONNECT	NA	0	

Connector Views



Wire Insertion Side:

Sample

YOUR CURRENT VEHICLE

Xy840a

XY840A

HARNESS_CONNECTOR No:Y840A		Option:Standard
Connector Details		Harness Family
Color	DARK GRAY	
Part Number	7286-1398-10	DASH
Repair Kit Part Number	Not Serviceable	DASH
Part Description		DASH
Cavity Count	4	DASH
Location View	Location View	DASH

Connector Views

Mating Side:

Pin	Circuit	Circuit Function	Color	Gauge/Size	Option
6	D392	PRIVATE CAN FD (+)	DB	0.35	
7	D391	PRIVATE CAN FD (-)	BG	0.35	
8	D392	PRIVATE CAN FD (+)	DB	0.35	

XY842A

HARNESS_CONNECTOR No:Y842A		Option:Standard
Connector Details		Harness Family
Color	BLACK	
Part Number	807-443-501	JUMPER_EPS
Repair Kit Part Number	68502151AA	JUMPER_EPS
Part Description		JUMPER_EPS
Cavity Count	8	JUMPER_EPS
Location View	Location View	JUMPER_EPS

Pin	Circuit	Circuit Function	Color	Gauge/Size	Option
JUMPER_EPS					
1	D282	CAN FD (+)	VT	0.35	
2	D283	CAN FD (-)	BG	0.35	
3	N0	NO CONNECT	NA	0	
4	N0	NO CONNECT	NA	0	
5	D391	PRIVATE CAN FD (-)	BG	0.35	
6	D392	PRIVATE CAN FD (+)	DB	0.35	