

DEFA Battery Chargers and Engine Preheater kits - Revision 4 - Overview
DEFA Application and Ordering Guide - Overview of Kits

Table of Contents:

Topic

[Kit Content Example with Component Legend - Battery Charger](#)
[Kit Content Example with Component Legend - Engine Preheater](#)
[Quick Guide - Kit Application and Ordering Guide by Model, BMW](#)
[Quick Guide - Kit Application and Ordering Guide by Model, MINI](#)
[Accessories - All Models, BMW/MINI](#)

Kit Content Example with Component Legend - Battery Charger

Battery Charger Kit Example - 3 Series F30 Kit pictured below



Product Description	Content
Battery Charger Kit - Base Kit	A
Battery Charger Kit Parts Breakout	
Kit Specific Fixing Equipment	B
Charger 120V Unit	C
Mounting Kit for Charger Unit	D
Output Cable with fuse and terminals	E
Power supply cable 120V single cable_2.5M	F
Inlet cable 120V single cable_1.5M	G
Fixing Equipment Appliance Inlet	H
Warning Label	I
Cover w/Strap Supply Cable Black	F-1
Cover/Pin/Spring Inlet Cable 120V	G-1

Kit Content Example with Component Legend - Engine Preheater

Engine Preheater Kit Example - 3 Series F30 Kit pictured below



Product Description	Content
Engine Preheater Kit - Add-On Kit	J
Engine Preheater Kit Parts Breakout	
Kit Specific Fixing Equipment	K
Engine Heater Unit	L
Engine Heater bracket for Heater Unit	M
Pump Bosch PAD 12V	N
Power Supply Unit 120V	O
Mounting Kit for NAM Power Supply Pump	P
Output cable 12V for Power Supply Pump	Q
Extension cable 120V single cable 0.5M	R
Extension cable 120V single cable 2M	S

Quick Guide - Kit Application and Ordering Guide by Model, BMW
***Battery Charger Kit is required to install the Engine Preheater Kit**

Series	Model	Engine Variant	BATTERY CHARGER - Base System Part No.	MSRP	Estimated Labour (FRUs)	*ENGINE PREHEATER - Add-on to Base System Part No.	MSRP	Estimated Labour (FRUs)
2 - F22, F23	228	N20	82 11 2 408 480	\$240.00	12	82 11 2 358 420	\$365.00	18
	M235	N55	82 11 2 408 480	\$240.00	12	82 11 2 358 420	\$365.00	18
3 - E90, E91	323i	N52k	82 11 2 286 213	\$205.01	12	N/A		
	325i	N52	82 11 2 286 213	\$205.01	12	N/A		
	325xi	N52	82 11 2 286 213	\$205.01	12	N/A		
	330i	N52	82 11 2 286 213	\$205.01	12	N/A		
	330xi	N52	82 11 2 286 213	\$205.01	12	N/A		
	328i	N52k	82 11 2 286 213	\$205.01	12	N/A		
	328xi	N52k	82 11 2 286 213	\$205.01	12	N/A		
	335i	N54	82 11 2 286 213	\$205.01	12	N/A		
	335i	N55	82 11 2 286 213	\$205.01	12	N/A		
	335xi	N54	82 11 2 286 213	\$205.01	12	N/A		
	335xi	N55	82 11 2 286 213	\$205.01	12	N/A		
3 - E92	328i	N52K	82 11 2 286 213	\$205.01	12	N/A		
	328i xDrive	N52K	82 11 2 286 213	\$205.01	12	N/A		
	335i	N54	82 11 2 286 213	\$205.01	12	N/A		
	335i xDrive	N54	82 11 2 286 213	\$205.01	12	N/A		
3 - F30 2013- Models	335is	N54T	82 11 2 286 213	\$205.01	12	N/A		
	320i	N20	82 11 2 347 850	\$167.50	12	82 11 2 347 872	\$368.00	18
	320i xDrive	N20	82 11 2 347 850	\$167.50	12	82 11 2 347 872	\$368.00	18
	328i	N20	82 11 2 347 850	\$167.50	12	82 11 2 347 872	\$368.00	18
	328i xDrive	N20	82 11 2 347 850	\$167.50	12	82 11 2 347 872	\$368.00	18
	335i	N55	82 11 2 347 850	\$167.50	12	82 11 2 347 872	\$368.00	18
3 - F30 2014+ Models	335i xDrive	N55	82 11 2 347 850	\$167.50	12	82 11 2 347 872	\$368.00	18
	320i	N20	82 11 2 347 850	\$167.50	12	82 11 2 358 420	\$368.00	18
	320i xDrive	N20	82 11 2 347 850	\$167.50	12	82 11 2 358 420	\$368.00	18
	328i	N20	82 11 2 347 850	\$167.50	12	82 11 2 358 420	\$368.00	18
	328i xDrive	N20	82 11 2 347 850	\$167.50	12	82 11 2 358 420	\$368.00	18
	328d xDrive	N47Y	82 11 2 347 850	\$167.50	12	82 11 2 360 837	\$375.31	18
	335i	N55	82 11 2 347 850	\$167.50	12	82 11 2 358 420	\$368.00	18
	335i xDrive	N55	82 11 2 347 850	\$167.50	12	82 11 2 358 420	\$368.00	18
	328i xDrive	N20	82 11 2 347 850	\$167.50	12	82 11 2 358 420	\$368.00	18
	335i xDrive	N55	82 11 2 347 850	\$167.50	12	82 11 2 358 420	\$368.00	18
3 GT - F34	328i xDrive	N20	82 11 2 347 850	\$167.50	12	82 11 2 358 420	\$368.00	18
	335i xDrive	N55	82 11 2 347 850	\$167.50	12	82 11 2 358 420	\$368.00	18
	428i	N20	82 11 2 347 850	\$167.50	12	82 11 2 358 420	\$368.00	18
4 - F32, F33	428i xDrive	N20	82 11 2 347 850	\$167.50	12	82 11 2 358 420	\$368.00	18
	435i	N55	82 11 2 347 850	\$167.50	12	82 11 2 358 420	\$368.00	18
	435i xDrive	N55	82 11 2 347 850	\$167.50	12	82 11 2 358 420	\$368.00	18
	525i	N52	82 11 2 286 210	\$178.17	12	N/A		
5 - E60	525xi	N52	82 11 2 286 210	\$178.17	12	N/A		
	530i	N52	82 11 2 286 210	\$178.17	12	N/A		
	530xi	N52	82 11 2 286 210	\$178.17	12	N/A		
	528i	N52K	82 11 2 286 210	\$178.17	12	N/A		
	528i xDrive	N52K	82 11 2 286 210	\$178.17	12	N/A		
	528i	N20	82 11 2 347 851	\$167.72	12	82 11 2 347 873	\$297.97	18
5 - F10	528i xDrive	N20	82 11 2 347 851	\$167.72	12	82 11 2 347 873	\$297.97	18
	535i xDrive	N55	82 11 2 347 852	\$167.99	12	82 11 2 347 874	\$375.31	18
	535d xDrive	N57	82 11 2 347 852	\$167.99	12	82 11 2 360 837	\$375.31	18
	650i	N63						
6 - F12, F13, F06	M6	S63	82 11 2 408 481	\$245.00	12	N/A		
	Gran Coupe	N63						
7 - F01	750i xDrive	N63	82 11 2 286 214	\$205.01	12	N/A		
7 - F02	750Li xDrive	N63	82 11 2 286 214	\$205.01	12	N/A		
X1 - E84	X1 xDrive28i	N20	82 11 2 347 853	\$171.95	12	82 11 2 347 875	\$366.30	18
X3 - E83	X3 3.0si	N52k	82 11 2 286 211	\$178.04	12	N/A		
	X3 xDrive28i	N52k	82 11 2 286 211	\$178.04	12	N/A		
	X3 xDrive30i	N52k	82 11 2 286 211	\$178.04	12	N/A		
X3 - F25	X3 xDrive28i	N20	82 11 2 347 854	\$160.22	12	82 11 2 347 876	\$358.13	18
	X3 xDrive28d	N47	82 11 2 347 854	\$160.22	12	N/A		
	X3 xDrive35i	N55	82 11 2 347 854	\$160.22	12	82 11 2 347 877	\$372.07	18
X4 - F26	X4 xDrive28i	N20	82 11 2 347 854	\$160.22	12	82 11 2 347 876	\$358.13	18
	X4 xDrive35i	N55	82 11 2 347 854	\$160.22	12	82 11 2 347 877	\$372.07	18

X5 - E70	X5 xDrive35i	N55	82 11 2 347 855	\$165.15	12	82 11 2 347 878	\$370.75	18
	X5 xDrive35d	M57Y	82 11 2 286 212	\$184.99	12	82 11 2 365 525	\$381.55	18
X5 - F15	X5 xDrive35i	N55	82 11 2 347 855	\$165.15	12	82 11 2 360 841	\$380.66	18
	X5 xDrive28d	N47Y						
	X5 xDrive35d	N57Y	82 11 2 347 855	\$165.15	12	82 11 2 408 479	\$395.00	18
X6 - E71	X6 xDrive35i	N55	82 11 2 347 855	\$165.15	12	82 11 2 347 878	\$370.75	18
Z4- E89	sDrive35i	N55	82 11 2 408 482	\$210.00	12	N/A		

Quick Guide - Kit Application and Ordering Guide by Model, MINI

***Battery Charger Kit is required to install the Engine Preheater Kit**

Series	Model	Engine Variant	BATTERY CHARGER - Base System Part No.	MSRP	Estimated Labour (FRUs)	*ENGINE PREHEATER - Add-on to Base System Part No.	MSRP	Estimated Labour (FRUs)
MINI - R55	Cooper Clubman	N16	82 11 2 286 209	\$181.44	12	82 11 2 360 843	\$363.69	18
	Cooper S Clubman	N18	82 11 2 286 209	\$181.44	12	82 11 2 360 843	\$363.69	18
	JCW Clubman	N18	82 11 2 286 209	\$181.44	12	82 11 2 360 843	\$363.69	18
	Cooper Clubvan	N16	82 11 2 286 209	\$181.44	12	82 11 2 360 843	\$363.69	18
MINI - R56	Cooper	N16	82 11 2 286 209	\$181.44	12	82 11 2 360 843	\$363.69	18
	Cooper S	N18	82 11 2 286 209	\$181.44	12	82 11 2 360 843	\$363.69	18
	JCW	N18	82 11 2 286 209	\$181.44	12	82 11 2 360 843	\$363.69	18
	JCW Grand Prix	N18	82 11 2 286 209	\$181.44	12	82 11 2 360 843	\$363.69	18
MINI - R57	Cooper Convertible	N16	82 11 2 286 209	\$181.44	12	82 11 2 360 843	\$363.69	18
	Cooper S Convertible	N18	82 11 2 286 209	\$181.44	12	82 11 2 360 843	\$363.69	18
	JCW Convertible	N18	82 11 2 286 209	\$181.44	12	82 11 2 360 843	\$363.69	18
MINI - R58	Cooper Coupé	N16	82 11 2 286 209	\$181.44	12	82 11 2 360 843	\$363.69	18
	Cooper S Coupé	N18	82 11 2 286 209	\$181.44	12	82 11 2 360 843	\$363.69	18
	JCW Coupé	N18	82 11 2 286 209	\$181.44	12	82 11 2 360 843	\$363.69	18
MINI - R59	Cooper Roadster	N16	82 11 2 286 209	\$181.44	12	82 11 2 360 843	\$363.69	18
	Cooper S Roadster	N18	82 11 2 286 209	\$181.44	12	82 11 2 360 843	\$363.69	18
	JCW Roadster	N18	82 11 2 286 209	\$181.44	12	82 11 2 360 843	\$363.69	18
MINI - R60	Cooper Countryman	N16	82 11 2 286 209	\$181.44	12	82 11 2 360 843	\$363.69	18
	Cooper S Countryman ALL4	N18	82 11 2 286 209	\$181.44	12	82 11 2 360 843	\$363.69	18
	JCW Countryman ALL4	N18	82 11 2 286 209	\$181.44	12	82 11 2 360 843	\$363.69	18
MINI - R61	Cooper Paceman	N16	82 11 2 286 209	\$181.44	12	82 11 2 360 843	\$363.69	18
	Cooper S Paceman ALL4	N18	82 11 2 286 209	\$181.44	12	82 11 2 360 843	\$363.69	18
	JCW Paceman ALL4	N18	82 11 2 286 209	\$181.44	12	82 11 2 360 843	\$363.69	18
MINI - F56	Cooper	B38	82 11 2 408 483	\$190.00	12		In development	
	Cooper S	B48						

Accessories - All Models, BMW/MINI

Product Type	Series/Model	Engine Variant	Part No.	Description	MSRP
Accessories:	All	All	82 11 2 347 865	Power supply cable 2.5M (this is optional for customers who would like an additional cable)	\$33.26
Accessories:	All	All	82 11 2 286 233	Power supply cable 5.0M (this is optional for customers who would like an additional cable)	\$50.00
Accessories:	All	All	82 11 2 286 234	Power supply cable 10.0M (this is optional for customers who would like an additional cable)	\$82.53

*Prices are subject to change without notice