



BATTERIES

EMBARK ON THE JOURNEYS FUELLED BY POWER

BATTERY FEATURES



Our latest innovative maintenance free batteries are designed for the best efficiency providing you with the one of the most versatile energy storage solutions



Wide ranges available from passenger cars to heavy duty vehicles, from economy to luxury cars.



Applicable to extreme and harsh environments from -30°C to -75°C .



Unique grid structure and material to enhance the overall performance.



Fast charging made possible with the provision of acid additives



Our battery manufacturing facility is provisioned with the latest equipments which is ISO14001 and OHSAS18001 approved.



TECHNICAL SPECIFICATIONS



JIS SPECIFICATION

NO.	Reference		CAPACITY			SIZE				TERMINAL	
			20HR(AH)	CCA	Net-Weight(Kg)	L	w	H	T.H	LAY-OUT	TYPE
CALCIUM SEALED MF BATTERIES (black handle,lid& container)											
1	NS40R/L	36B20R/L	32	300	8.5	196	128	202	223	1/0	3
2	NS40ZR/L	44B20R/L	35	330	9.0	196	128	202	223	1/0	3
3	N40R/L	50B24R/L	40	380	10.6	237	128	200	222	1/0	3
4	N40SR/LS	50B24R(S)/L(S)	40	380	10.6	237	128	200	222	1/0	1
5	NS60R/L	55B24R/L	45	420	11.6	237	128	200	222	1/0	3
6	NS60RS/LS	55B24RS/LS	45	420	11.6	237	128	200	222	1/0	1
7	55D23R/L	55D23R/L	60	450	14.1	229	175	202	223	1/0	1
8	75D23R/L	75D23R/L	65	550	14.8	229	175	202	223	1/0	1
9	80D23R/L		72	600	15.6	229	175	202	223	1/0	1
10	N50R/L	55D26R/L	50	450	14.9	260	172	200	221	1/0	1
11	N50ZR/ZL	65D26R/L	60	520	15.9	260	172	200	221	1/0	1
12	NS70R/L	80D26R/L	65	580	16.4	260	172	200	221	1/0	1
13	NX110-5R/L	85D26R/L	70	600	17.0	260	172	200	221	1/0	1
14	N70R/L	85D31R/L	70	630	18.3	305	171	205	226	1/0	1
15	N70ZR/ZL	95D31R/L	75	690	18.7	305	171	205	226	1/0	1
16	NX120-7R/L	105D31R/L	80	720	19.4	305	171	205	226	1/0	1
17	N90R/L	115D31R/L	90	750	20.0	305	171	205	226	1/0	1
18	N100R/L	115E41R/L	100	780	25.0	409	170	211	234	1/0	1
19	N120R/L	135F51R/L	120	720	31.7	505	183	215	242	3/4	1
20	N150R/L	165G51R/L	150	1000	37.4	510	212	214	245	3/4	1
21	N170R/L		170	1050	38.2	510	222	197	228	3/4	1
22	N200R/L	210H52R/L	200	200	54.1	510	222	197	228	0	1



95031 MF



N120 MF

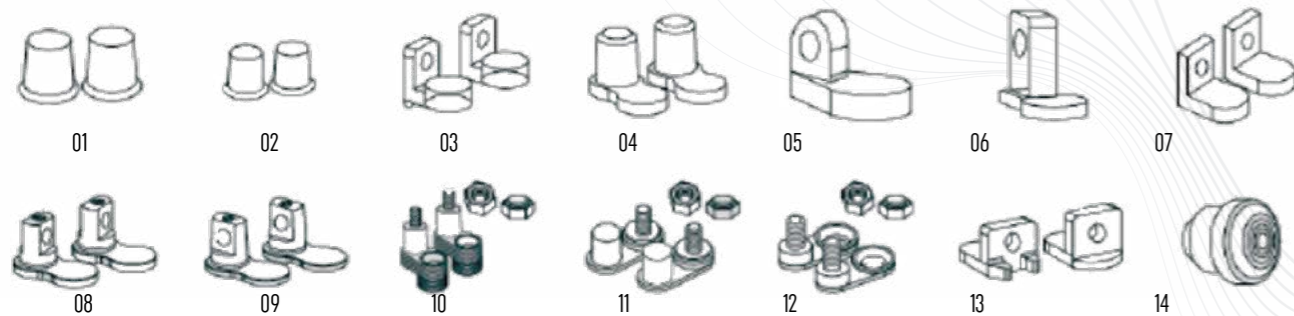


N50 MF

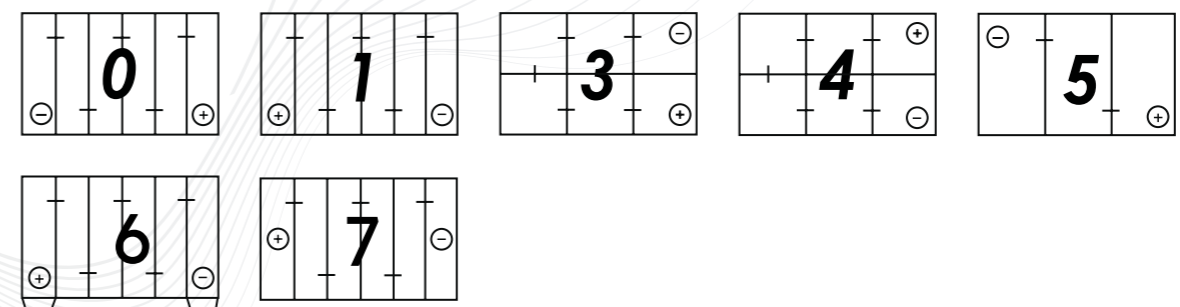


N100 MF

TERMINAL



LAYOUT



TECHNICAL SPECIFICATIONS



DIN SPECIFICATION

NO.	Reference	CAPACITY			SIZE				TERMINAL	
		20HR(AH)	CCA	Net-Weight(Kg)	L	w	H	T.H	LAY-OUT	TYPE
CALCIUM SEALED MF BATTERIES (black handle,lid& container)										
1	55530/55548	55	480	13.4	242	175	190	190	0	1
2	56030/56031	60	540	14.2	242	175	190	190	0	1
3	56618/56638	66	580	16.3	278	175	190	190	0	1
4	57217/57219	72	680	16.3	278	175	190	190	0	1
5	57512/57513	75	700	16.7	278	175	190	190	0	1
6	58035/58043	80	700	18.1	315	175	190	190	0	1
7	58533/58535	85	730	19.0	315	175	190	190	0	1
8	58815/58827	88	710	19.9	353	175	190	190	0	1
9	59218/59259	92	750	20.5	353	175	190	190	0	1
10	60038/60044	100	850	21.4	353	175	190	190	0	1
11	55046	50	430	12.8	242	175	175	175	0	1
12	55419/55457	54	430	12.8	242	175	175	175	0	1
13	55506	55	430	12.8	242	175	175	175	0	1
14	68032	180	1150	39.4	510	222	197	228	4	1



58043 MF



58827 MF

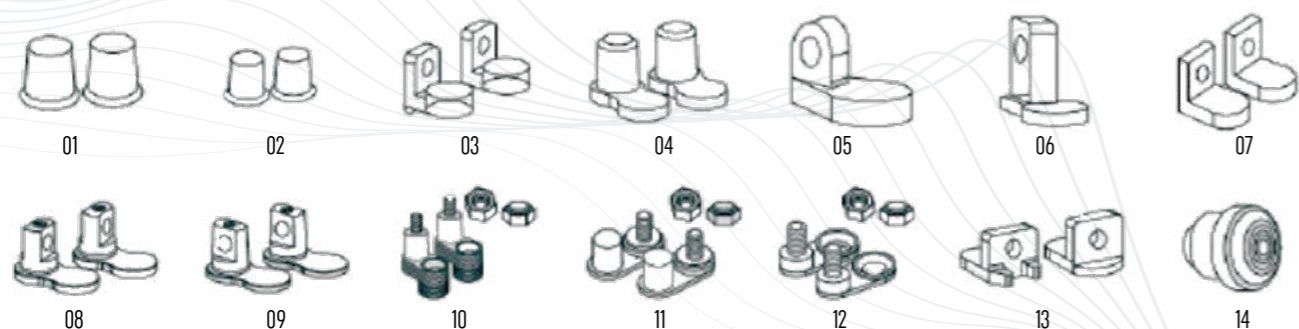


56638 MF

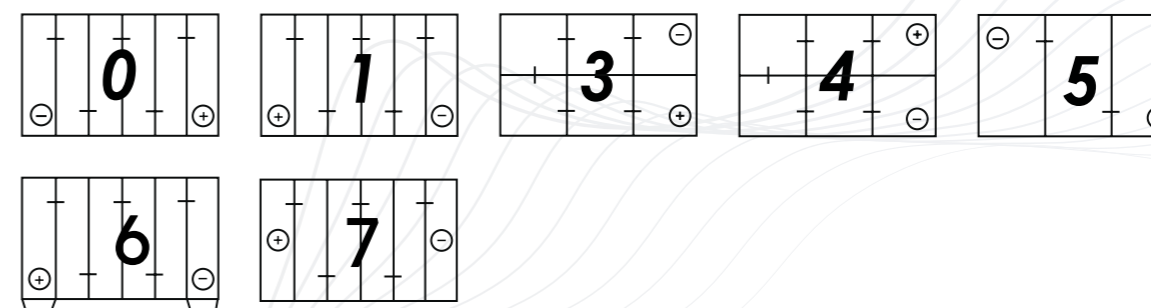


ITR 590

TERMINAL



LAYOUT



BATTERY CARE AND MAINTENANCE



MAINTENANCE



The battery should be charged if it is stored for more than 3 months.

The vent holes on both sides of the battery upper cover or on the vent plug should be checked regularly. Keep the holes from being blocked by dust and ice water for the prevention of shell deformation, burst and exhaust under performance.



The battery should be fully charged before a long time storage, otherwise the battery performance will be influenced.

When charging batteries, work in a well-ventilated area. Always turn battery charger off before disconnecting a battery.

The battery cannot be used if the battery terminals are burned.



We recommend constant voltage charging instead of constant current charging for the battery.

Test the reserved capacity first during the test of battery performance.

For batteries with indicator, if the indicator turns white during use, it may be caused by the bubbles around the indicator ball. Shake the battery carefully, if the indicator turns green, it means the battery can still be used. If the indicator keeps white, the battery is in lack of electrolyte. Then the battery should be replaced.



Usage of electric equipment such as lamps, air conditioners and audio while the car engine is in an idle position will cause the battery to discharge.

Usually it takes 3 to 5 seconds to start a car at first time. The restarting should be at intervals of more than 15 seconds. If the car fails to start after many times, you need to check if there is any damage in the battery or the circuit. This situation usually happens in winter.



When the engine is in idle position, extending over 10 days, please ensure to disconnect the negative terminal of the battery to avoid discharge.

WARNING

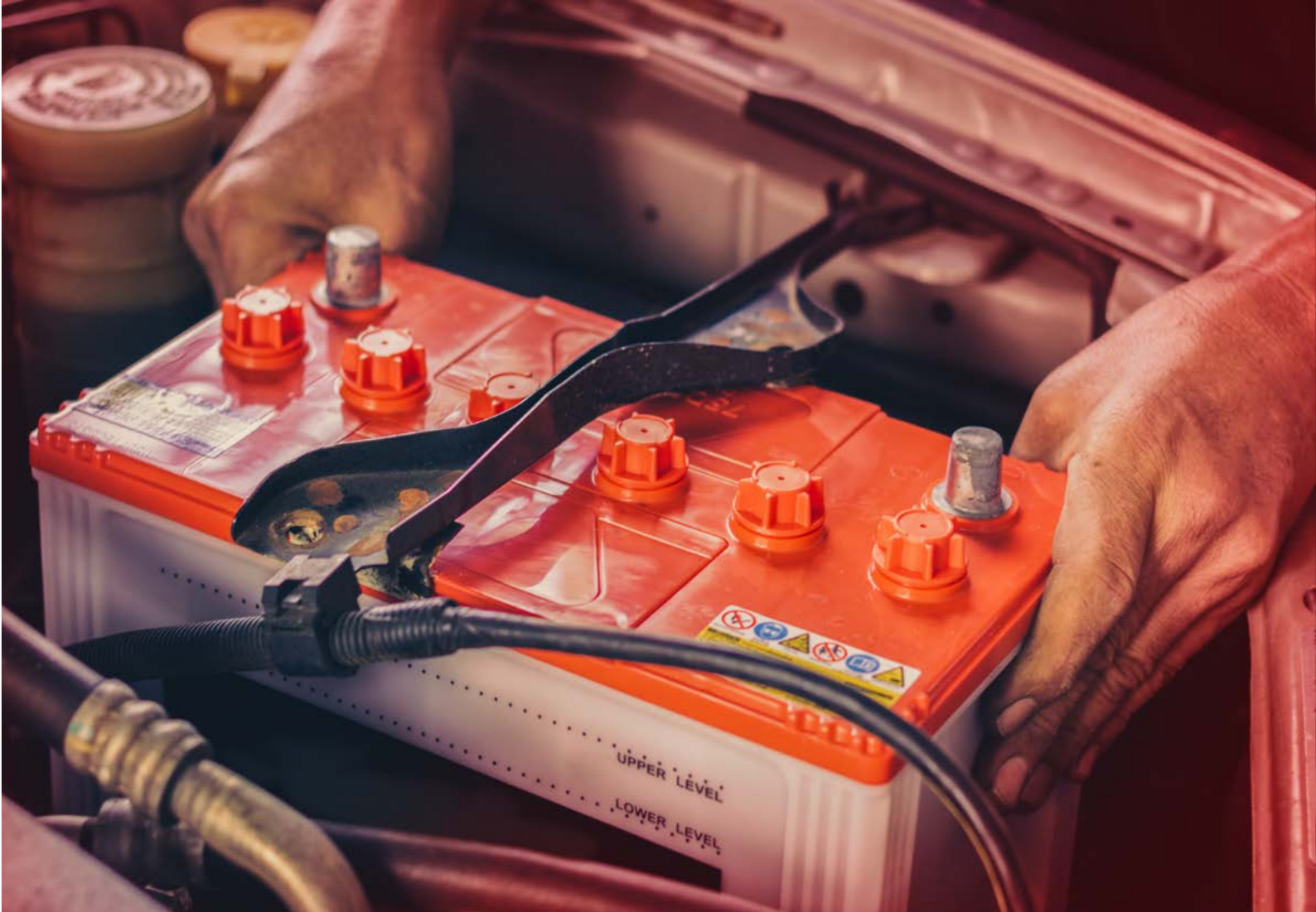
1 Battery acid can cause burns. Please keep away from children. Suitable hand, eye and face protection and protective clothing must be worn. If in eyes, hold eyelids apart and flush the eye continuously with running water or contact a doctor immediately. If skin or hair contact occurs, remove contaminated clothing and flush skin or hair with running water.

2 Maintain proper ventilation when charging or using batteries to avoid damage.

3 Do not open the battery to avoid explosion.

4 Do not use metal tools to connect positive and negative terminal, as this would lead to a short circuit, causing fire or explosion.

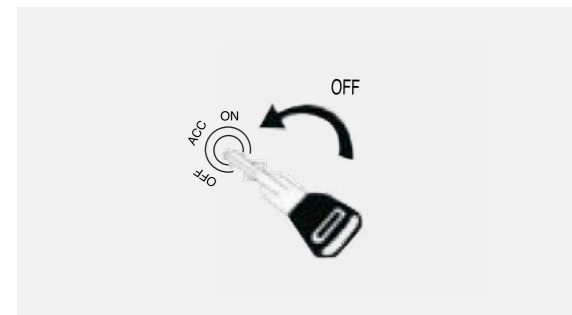




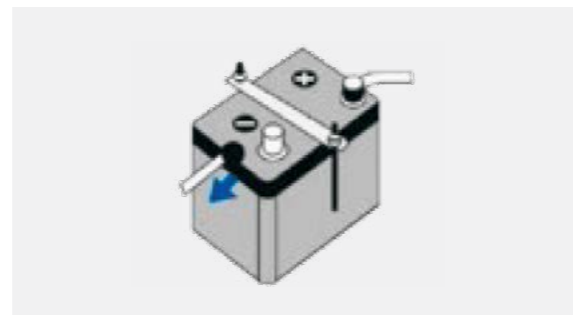
Kick off your engine with



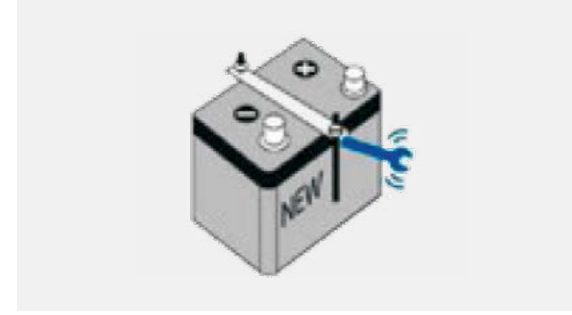
HOW TO REPLACE BATTERY



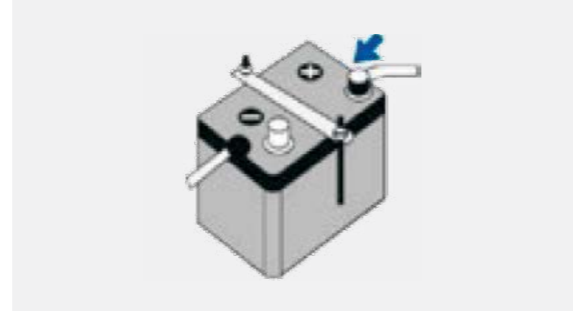
Switch off the engine and keep sparks, flames and cigarettes away from battery at all times before removing the old battery.



Disconnect the negative terminal first and avoid short circuit caused by tools when removing old battery.



Clean corroded parts in tray and cable clamps before installation of new battery.



Connect the positive terminal first and check the terminal clamps for tight fit when installing new battery.



BATTERIES

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