

FLASHERS and HALOGEN CAPSULES

ELECTRONIC FLASHERS

Originally designed for large, heavy duty commercial vehicles. Ideal for towing. Will replace all thermal flashers. Fits many late model automotive applications. (Many newer vehicles use an electronic system which is not compatible with thermal flashers.)
NOTE: With electronic flashers, if one bulb burns out, the flasher will continue to operate.

- Flashes up to 10 lamps.
- Meets all DOT 108 requirements.
- Outperforms all other types of flashers.

EXTENDED LIFE - HEAVY DUTY ELECTRONIC FLASHERS

PART NUMBER	INDUSTRY NUMBER	TERMINALS	VOLTS	OPERATES NO. OF LAMPS	APPLICATIONS
615540	EL12	2	12	2-4 Turn 1-10 Hazard	Replaces all 536, 552 applications plus late model Ford, Mercury, Nissan (various models)
615541	EL13	3	12	2-4 Turn 1-10 Hazard	Replaces all 550 applications plus certain automotive applications.

OEM ELECTRONIC FLASHERS

PART NUMBER	INDUSTRY NUMBER	TERMINALS	VOLTS	OPERATES NO. OF LAMPS	LATE MODEL OEM APPLICATIONS
615548	EP36	3	12	2 - 6 Turn Signal* 2 - 6 Hazard Warning	Chevrolet, GMC C/K pick up
615543	EG23	3	24	2 - 6 Turn Signal* 2 - 6 Hazard Warning	Motor coaches, buses, trucks with 24V electrical system.

* Flasher will indicate when signal light is burnt out.



HIGH AND LOW BEAM CAPSULES

DOMESTIC
Part No. 615303 ¹⁰
IND. #9003

IMPORT
Part No. CE9003 ¹⁰
IND. #9003

DOMESTIC
Part No. 615304 ¹⁰
IND. #9004

IMPORT
Part No. CE9004 ¹⁰
IND. #9004

DOMESTIC
Part No. 615307 ¹⁰
IND. #9007

IMPORT
Part No. CE9007 ¹⁰
IND. #9007

IMPORT
Part No. CE1155/H11
IND. #1155/H11

DOMESTIC
Part No. 615817 ¹⁰
IND. #9008/H13

IMPORT
Part No. CE9008/H13
IND. #9008/H13

DOMESTIC
Part No. 615804
IND. #1255/H11B

DODGE INTREPID

HIGH BEAM
Part No. 615308
IND. #9005XS
2001-98

LOW BEAM
Part No. 615309
IND. #9006XS
2001-98

INDIVIDUAL BEAM CAPSULES

HIGH BEAM
Part No. 615305 ¹⁰
IND. #9005

IMPORT
Part No. CE9005 ¹⁰
IND. #9005

HIGH/LOW BEAM
Part No. 615816 ¹⁰
IND. #9005L

Brass terminals & high temperature plastic to avoid overheating with quartz glass

LOW BEAM
Part No. 615306 ¹⁰
IND. #9006

IMPORT
Part No. CE9006 ¹⁰
IND. #9006

"CE" = Competitive Edge or Eiko Brand

HALOGEN CAPSULES, HEADLAMPS and SEALED BEAMS

WAGNER BRITELITE



Brighten your profits with BriteLite!

- 80% more light on the road.
- High power 55 watt low beam filament (compare to standard 35 watt).
- 30% wider beam pattern.
- Less glare.
- Smoother beam pattern.
- Cooler running Xenon filled bulb.
- Meets or exceeds all OE quality standards.
- DOT approved.

Our Numbers 90% Coverage

9007BL

H4656BL

H6054BL

SPECIALTY SEALED BEAMS

12 VOLT TRACTOR / UTILITY SEALED BEAM



(sealed beam only)

PART NUMBER	INDUSTRY NUMBER	DESCRIPTION
615311	4411	Replaces sealed beam in tractor/utility lamp. (Grote No. 64931)

12 VOLT SPOTLIGHT SEALED BEAMS



PART NUMBER	INDUSTRY NUMBER	CANDLE POWER	LIFE HOURS	SIZE	BASE TYPE
615310	4636	90,000	200	5-3/4	MP

12 VOLT TRACTOR / FLOOD SEALED BEAM



PART NUMBER	INDUSTRY NUMBER	CANDLE POWER	LIFE HOURS	SIZE	BASE TYPE
615313	4466	1,000	300	4-1/2	Screw

HEADLAMPS and SEALED BEAMS

- Available in OEM regular & halogen.
- 5 most popular sealed beams give top coverage. (marked with *)

- Replace regular with halogen—for improved night vision.



PART NUMBER	INDUSTRY NUMBER	CONFIGURATION	DIMENSIONS	DESCRIPTION
615056	H4656*	LOW BEAM	100 x 165mm	Rectangular, low beam in the four lamp system.
615051	H4651*	HIGH BEAM	100 x 165mm	Rectangular, high beam in the four lamp system.
615066	H6545 H4666/*	HIGH/LOW BEAM	100 x 165mm	Fits most Honda motor cars. Also replaces H6545 late model Chrysler products.
615024	H6024*	HIGH/LOW BEAM	7" dia.	Large round lamp.
615054	H6054*	HIGH/LOW BEAM	142 x 200mm	Large rectangle. Fits passenger cars, trucks and vans.

MINIATURE BULBS

“CE” = Competitive Edge or Eiko Brand

ILLUSTRATIONS ON THIS PAGE
ARE NOT ACTUAL SIZE.



Fig. 1



Fig. 2



Fig. 3



Fig. 4



Fig. 5



Fig. 6



Fig. 7



Fig. 8



Fig. 9



Fig. 10



Fig. 11



Fig. 12



Fig. 13



Fig. 14



Fig. 15



Fig. 16



Fig. 17



Fig. 18



Fig. 19



Fig. 20



Fig. 21



Fig. 22



Fig. 23



Fig. 24

DOMESTIC PART NUMBER	IMPORT PART NUMBER	BULB NUMBER	APPLICATION	BASE	FIG.
615155	--	PR-2	2D cell flashlight	S.C.	1
615332	--	L24	Sidemarkers	Wedge	19
615393	--	37	Automotive	Wedge	33
615157	--	53	Instrument	S.C.	10
615159	--	57	Instrument	S.C.	3
615161	CE67	67	License Plate	S.C.	4
615788	--	68	Automotive/Marine	D.C. Bayonet	5
615759	--	73	Indicator	Wedge	33
615195	--	74	Instrument	Sub-Min.	6
615162	--	89	Interior/Trunk	Wedge	4
615163	--	90	Courtesy	S.C.	5
615164	--	97	Sidemarkers	D.C.	5
615167	--	161	Sidemarkers	S.C.	4
615187	CE168	168	Tail/License/Instrument	Wedge	6
615168	CE194	194	Instrument/Sidemarkers	Wedge	6
615169	--	194NA	Sidemarkers (amber)	Wedge	6
---	CE194A	194A	Sidemarkers (amber)	Wedge	6
615794	--	PC194	Indicator/Instrument/Automotive	Printed Circuit	24
615198	--	198	Stop/Turn - H.D. Truck	D.C.	10
615199	--	199	Back-Up/Turn/Stop - H.D. Truck	S.C.	11
615170	--	211-2	Dome/Courtesy	Cap	7
615188	--	212-2	Courtesy	Cap	13
615189	--	561	Courtesy	Clip	14
615808	--	757	Indicator (24V)	Bayonet	15
615778	--	795	Auxiliary, Halogen	S.C. Bayonet	20
615779	--	862	Automotive, Signal, Halogen	Right Angle	21
615377	CE880	880	Halogen Fog	(plastic) Axial (plastic)	22
615378	--	881	Halogen Fog	Right Angle	21
615762	--	886	Automotive Halogen Fog	(plastic) Axial (plastic)	21
---	CE889	889	Automotive, Halogen Signal	Right Angle	32
---	CE890	890	Halogen Signal	(plastic) Axial (plastic)	22
615344	CE891	891	3rd Brake Light	G-4 Two Pin	27
615381	--	893	Halogen Fog	Axial (plastic)	29

DOMESTIC PART NUMBER	IMPORT PART NUMBER	BULB NUMBER	APPLICATION	BASE	FIG.
---	CE898	898	Auto., Fog, Shielded, Halogen	Right Angle	---
615790	--	904	Automotive	(plastic) Prefocus	31
615197	CE906	906	Interior - High Mount Stop	Wedge	6
615321	CE912	912	Interior - High Mount Stop	Wedge	6
615383	CE916	916	Marker/Park	Wedge	31
---	CE916NA	916NA	Marker/Park	Wedge	31
615322	CE921	921	High Mount Stop	Wedge	6
615385	CE922	922	3rd Brake	Wedge	31
615171	--	1003	Dome/Courtesy	S.C.	8
615172	--	1004	Dome/Courtesy	D.C.	9
615175	--	1073	Back-Up	S.C.	11
615391	--	1076	Stop/Turn/Park	D.C.	30
615177	--	1141	Back-Up	S.C.	11
615774	--	1142	Automotive	D.C.	---
615180	CE1156	1156	Back-Up	Bayonet	12
615392	--	1156DC	School Bus	S.C.	11
615345	--	1156NA	Turn/Park	D.C.	30
615181	CE1157	1157	Stop/Turn Signal	S.C.	11
615191	CE1157NA	1157NA	Park/Turn (natural amber)	D.C.	10
615795	--	1210/H3	Auxiliary, Off Road, Halogen	PKY22	25
615807	--	1235/H8	Fog, Automotive, Halogen	Right Angle	40
615796	--	1251	Instrument (24V)	(plastic) S.C. Bayonet	4
615761	CE1255/H1	1255/H1	Auxiliary, Various Audi & Volvo Halogen Headlamps	1 Blade	35
615346	CE1255/H2	1255/H2	Fog Lamp/55W	X511	26
615343	CE1255/H3	1255/H3	Fog Lamp/55W	PK22s	25
615760	CE1255/H7	1255/H7	Automotive, Various Audi & Volvo Halogen Headlight	2 Blade	34
615797	--	1255/H11	Automotive, Halogen	1 Blade	40
615781	CE1260/H4	1260/H4	Auxiliary, Off-Road, Motorcycle, Halogen	3 Blade	34
615798	--	1265/H9	Automotive, Halogen	1 Blade	35
615775	--	1662	Aircraft/Automotive (24V)	D.C. Index	12
615339	--	1683	Automotive/Truck (24V)	S.C.	11

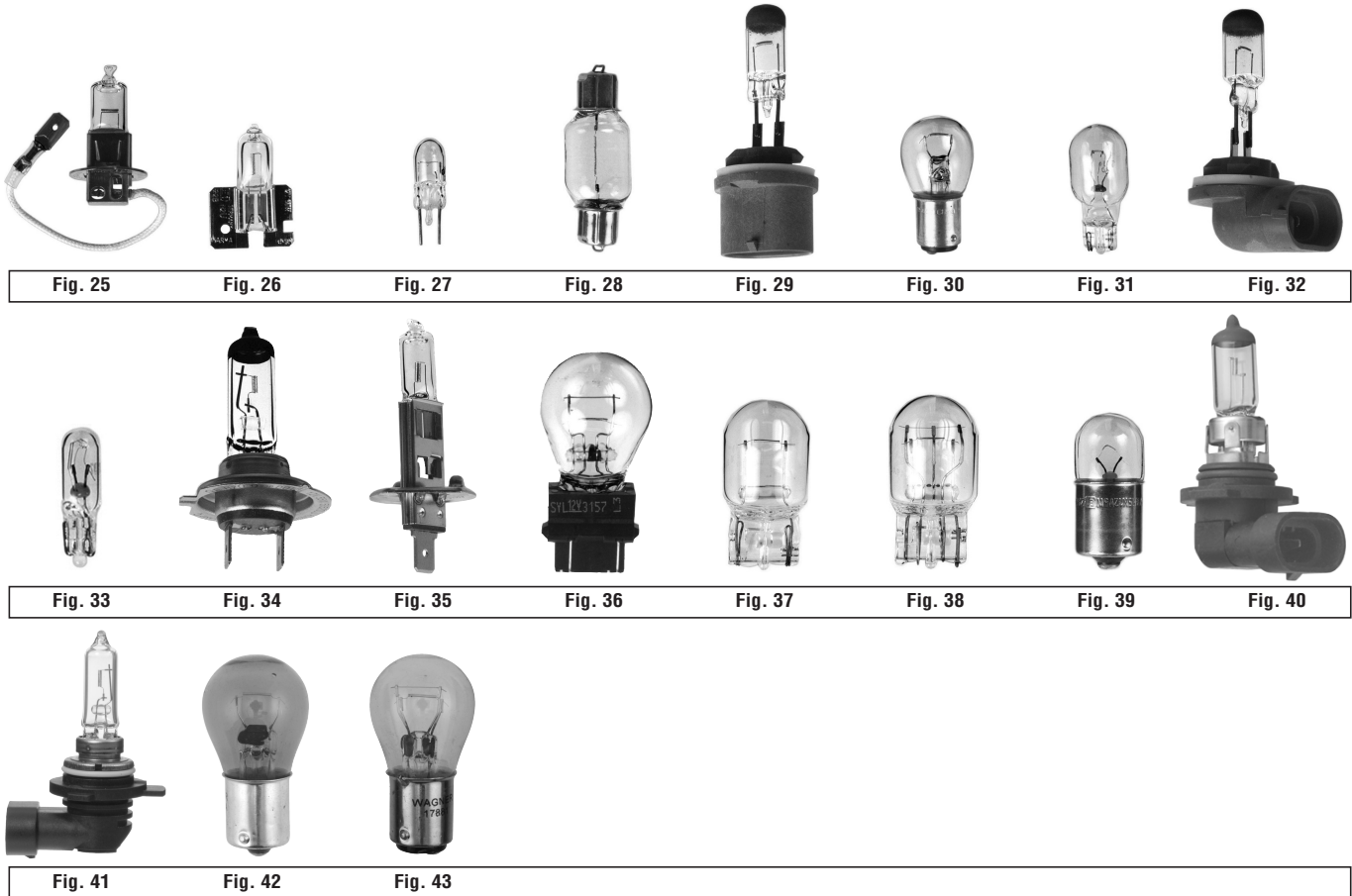
S.C. - Single Contact D.C. - Double Contact D.F. - Double Filament

24 VOLT

ILLUSTRATIONS ON THIS PAGE
ARE NOT ACTUAL SIZE.

**"CE" = Competitive Edge or
Eiko Brand**

MINIATURE BULBS



DOMESTIC PART NUMBER	IMPORT PART NUMBER	BULB NUMBER	APPLICATION	BASE	FIG.	DOMESTIC PART NUMBER	IMPORT PART NUMBER	BULB NUMBER	APPLICATION	BASE	FIG.
615192	--	1816	Instrument	S.C.	15	615811	--	4057LL	Signal & Marking, Automotive	D.C. Wedge	16
615194	--	1893	Courtesy	S.C.	15	615805	--	4114LL	Automotive, Signal, Marking	D.C. Wedge	16
615186	CE1895	1895	Instrument	S.C.	3	615784	--	4157LL	Auto., Signal, Stop, Krypton	D.C. Wedge	16
615203	CE2057	2057	Stop/Turn/Tail/Park	D.C.	10				(same as 4157K)		
615204	CE2057NA	2057NA	Stop/Turn/Tail/Park (natural amber)	D.C.	10	--	CE4157K	4157K	(same as 4157LL)	D.C. Wedge	16
615323	--	2357	Stop/Turn/Tail/Park	D.C.	10	615785	--	4157NALL	Auto., Park, Signal, Krypton	D.C. Wedge	16
615324	--	2357NA	Turn/Parking (natural amber)	D.C.	10	615766	CE7440	7440	Automotive Signal	S.C. Wedge	37
615806	--	2470/H3	Automotive, Fog, Auxiliary (24V)	PK22s	25	615800	--	7440NA	Signal, Automotive	S.C. Wedge	37
615809	--	2475/H7	Automotive, Halogen (24V)	2 Blade	34	615767	CE7443	7443	Automotive Signal/Stop	D.C. Wedge	38
615329	CE3057	3057	Stop/Turn/Tail/Park	D.C. Wedge	18	615812	--	7443NA	Signal, Automotive (natural amber)	D.C. Wedge	38
615330	CE3057NA	3057NA	Stop/Turn/Tail/Park (natural amber)	D.C. Wedge	18	615813	--	9012LL	Automotive - H.I.R.	Right Angle	41
615387	--	3155	3rd Brake	S.C. Wedge	18				(Halogen Infrared)	Plastic	
615331	CE3156	3156	Stop/Turn/Tail/Park	S.C. Wedge	18	--	CE9145/H10	9145/H10	Fog, Automotive, Shielded,	Right Angle	40
615782	--	3156NA	Automotive, Signal	S.C. Wedge	36				Halogen	Plastic	
615325	CE3157	3157	Stop/Turn/Tail/Park	D.F. Wedge	16	615768	--	11005	Courtesy/Dome	SV 8.5mm	17
615799	--	3157KX	Brake, Turn Signal	Wedge	36				(12V 5W)		
615326	CE3157NA	3157NA	Turn/Parking (natural amber)	D.F. Wedge	16	615769	--	12100	Courtesy/Dome	SV 8.5mm	24
615328	--	DE3175	Dome Lamp for Japan Vehicles	Cone Shaped	17				(12V 10W)		
615347	CE3357	3357	Signal/Stop	D.C. Wedge	16	615770	--	17171	Interior/Signal	BA15s	39
615348	CE3357NA	3357NA	Signal	D.C. Wedge	16	615786	--	17314	Auto., Interior, License Plate	SV 8.5mm	17
615394	CE3457	3457	Signal, Stop	D.C. Wedge	16	615814	--	17638NA	Signal, Automotive (natural amber)	BAU15s	42
615783	CE3457NA	3457NA	Park, Signal, Automotive	D.C. Wedge	16	615815	--	17881	Signal, Stop, Automotive	BAZ15d	43
615389	--	3497	3rd Brake/Turn	S.C.	8	615801	--	17916	Signal, Stop, Automotive	BAY15d	30
615810	--	3757NALL	Daytime Running Light, Automotive (natural amber)	D.C. Wedge	16						

S.C. - Single Contact D.C. - Double Contact D.F. - Double Filament

24 VOLT

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FUSES

MINI® FUSE

- Mini-Fuses® provide the sophisticated circuit protection needed by today's automobiles.
- These are standard equipment on all Chrysler vehicles and is being phased into all new cars & trucks.
- Permits more fuses to be placed in smaller spaces, allowing more circuits to be individually fused, essential in today's vehicles.
- Made of more heat resistant plastic to withstand high temperature environments, such as engine compartments.

SHOP ASSORTMENT

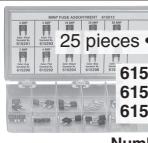


Part No. 615012
100 pieces • 10 items • 12038 plastic tray

615290	615293	615296	615299
615291	615294	615297	
615292	615295	615298	

Numbers in assortment

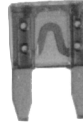
MINI "MINI" ASSORTMENT



Part No. 615013
25 pieces • 10 items • 12030 plastic tray

615290	615293	615296	615299
615291	615294	615297	
615292	615295	615298	

Numbers in assortment



Mini-Fuse™ Refills

PART NUMBER	AMPS	IND. NO.	COLOR CODE	QTY
615290	2	MIN2	Gray	25
615291	3	MIN3	Violet	25
615292	4	MIN4	Pink	25
615293	5	MIN5	Tan	25
615294	7.5	MIN7.5	Brown	25
615295	10	MIN10	Red	25
615296	15	MIN15	Blue	25
615297	20	MIN20	Yellow	25
615298	25	MIN25	Clear	25
615299	30	MIN30	Green	25

MAXI™ FUSE

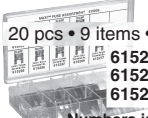
MAXI FUSE® is designed to protect high amperage circuits. MAXI FUSE® is being phased in OEM's as a state of the art replacement for the older style fusible-link.

A reliable device for protection of automotive wiring harnesses.

- Contains a completely enclosed fuse link (similar to ATC®) it providing superior protection to the fusible link or the fusible wire which it will replace.
- A universally interchangeable product (again like the ATC®) making replacement easy.
- Color coded for simple identification.

Maxi-Fuse™ Refills

PART NUMBER	AMPS	IND. NO.	COLOR CODE	QTY
615285	20	MAX20	Yellow	5
615420	25	MAX25	Gray	5
615286	30	MAX30	Green	5
615421	35	MAX35	Brown	5
615287	40	MAX40	Orange	5
615288	50	MAX50	Red	5
615289	60	MAX60	Blue	5
615422	70	MAX70	Tan	5
615277	80	MAX80	Natural	5

Part No. 615006
20 pcs • 9 items • 12030 plastic tray

615277	615287	615420
615285	615288	615421
615286	615289	615422

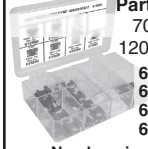
Numbers in assortment

LOW PROFILE MINI® FUSE

- Similar performance characteristics as standard Mini® fuse.
- Uses the same rating and universal color-coding as Mini® (ATM) and Maxi (ATC) style fuses.
- Most commonly found in newer models both Import & Domestic brands.
- Low overall height allows for space and weight savings.

Low Profile Mini-Fuse™ Refills

PART NUMBER	AMPS	COLOR CODE	QTY
615585	5	Tan	25
615586	7-1/2	Brown	25
615587	10	Red	25
615588	15	Blue	25
615589	20	Yellow	25
615590	25	Clear	25
615591	30	Green	25

Part No. 615592
70 pcs • 7 items
12046 plastic tray

615585	615589
615586	615590
615587	615591
615588	

Numbers in assortment

E-Z FUSE

- All our E-Z fuses feature open test ports, allowing continuity or voltage tests without removing fuse.
- Replaces ATC (Buss) and ATO (Littlefuse) fuses

E-Z Fuse Refills (ATO, ATC)

PART NUMBER	AMPS	COLOR CODE	QTY
615223	1	Black	25
615224	2	Gray	25
615214	3	Violet	25
615222	4	Pink	25
615215	5	Tan	50
615216	7-1/2	Brown	25
615217	10	Red	25
615221	15	Lt. Blue	25
615218	20	Yellow	25
615219	25	Clear	25
615220	30	Green	25
615232	40	Orange	25




(Actual size)

All these fuses are contained in the assortments shown below.

SHOP ASSORTMENT

- Sturdy steel tray fits Part slide rack system.
- Complete coverage, 1 thru 40 amp, ATO & ATC.
- Color coded for easy identification.




Part No. 501342
162 pieces • 12 items • 12061 steel tray

615214	615217	615220	615223
615215	615218	615221	615224
615216	615219	615222	615232

Numbers in assortment

MECHANICS ASSORTMENT

- Handy tray is perfect size for road service.
- Complete coverage, 1 thru 40 amp, ATO & ATC.
- Color coded for easy identification.



Part No. 615007
60 pieces • 12 items • 12030 plastic tray

615214	615217	615220	615223
615215	615218	615221	615224
615216	615219	615222	615232

Numbers in assortment


LED INDICATOR GLOW FUSES

- LED lights immediately when fuse blows for fast and easy identification.
- All fuses are color coded for amperage.
- Manufactured to exact OEM specifications.



MINI GLOW FUSE REFILLS				E-Z GLOW FUSE REFILLS			
GLOW FUSE	AMPS	COLOR CODE	QTY	GLOW FUSE	AMPS	COLOR CODE	QTY
615725	3	Violet	10	615736	10		
615726	5	Tan	10	615737	10		
615727	7.5	Brown	10	615738	10		
615728	10	Red	10	615739	10		
615729	15	Blue	10	615740	10		
615730	20	Yellow	10	615741	10		
615731	25	Clear	10	615742	10		
615732	30	Green	10	615743	10		

MINI GLOW FUSE ASST.




Part No. 615734
40 pieces • 8 items • 12046 plastic tray

615725	615727	615729	615731
615726	615728	615730	615732

Numbers in assortment

E-Z GLOW FUSE ASST.



Part No. 615745
40 pieces • 8 items • 12046 plastic tray

615736	615738	615740	615742
615737	615739	615741	615743

Numbers in assortment

FUSES

GLASS & E-Z MASTER FUSE ASSORTMENT

- Contains all popular domestic and import glass fuses, and late model E-Z fuses from 1 through 30 amp rating.
- Metal tray fits our slide rack system.

Part No. 501074						
301 pieces • 32 items • 12062 steel tray						
615101	615106	615122	615131	615138	615217	615222
615102	615107	615123	615132	615139	615218	615280
615103	615112	615126	615135	615214	615219	
615104	615113	615128	615136	615215	615220	
615105	615120	615130	615137	615216	615221	
Numbers in assortment						

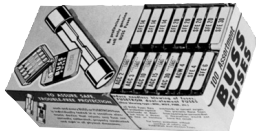
E-Z, (ATC, ATO), MINI® & MAXI™ MASTER FUSE ASSORTMENT

- Contains all popular sizes of E-Z fuses, 1 thru 40 amp, Mini fuses, 2 thru 30 amp & Maxi fuses 20 thru 80 amp.
- Color coded for easy identification.
- All fuses are organized, in one convenient location whenever needed.

Part No. 501679*						
128 pieces • 31 items • 12062 steel tray						
615214	615219	615224	615287	615292	615297	615422
615215	615220	615232	615288	615293	615298	
615216	615221	615277	615289	615294	615299	
615217	615222	615285	615290	615295	615420	
615218	615223	615286	615291	615296	615421	
Numbers in assortment						

*Complete Assortment Refills for Top "20" Assortment are available and are shipped in a corrugated tray (just add RF to Part No.)

DOMESTIC GLASS FUSE ASSORTMENT



- Supplies most used fuses with minimum stock.

- Perfect size for road service kit.

- Contains 100 fuses.
- BUSS No. 100.

Part No. 615005

GLASS FUSES FOR AUTOMOTIVE, RADIO & INSTRUMENT PROTECTION

1/4" Diameter

NO.	FULL SIZE ILLUSTRATION	LENGTH
1		5/8"
2		3/4"
3		21/32"
4*		31/32"
5		7/8"
6		1-1/16"
7		1-1/4"
8		1-7/16"
9		1"
10		31/32"

Packed in Tins of 5 Fuses

PART NUMBER	INDUSTRY NUMBER	ILL. NO.	PART NUMBER	INDUSTRY NUMBER	ILL. NO.
615101	SFE-4	1	615126	AGC-1	7
615102	SFE-6	2	615127	AGC-1-1/2	7
615103	SFE-7-1/2	5	615128	AGC-2	7
615104	SFE-9	5	615129	AGC-2-1/2	7
615105	SFE-14	6	615130	AGC-3	7
615106	SFE-20	7	615131	AGC-4	7
615107	SFE-30	8	615132	AGC-5	7
615110	AGA-2	1	615134	AGC-7-1/2	7
615112	AGA-3	1	615135	AGC-10	7
615113	AGA-5	1	615136	AGC-15	7
615118	AGA-20	1	615137	AGC-20	7
615119	AGA-30	1	615138	AGC-25	7
615120	GBC-8*	4	615139	AGC-30	7
615120C	GBC-8 white ceramic	10	615280	AGC-35	7
615121	GBC-15*	4	615144	AGW-6	5
615122	GBC-16*	4	615148	AGX-20	9
615122C	GBC-16 red ceramic	10	D = TOP SELLING DOMESTIC SIZES		
615123	GBC-25*	4	J = TOP SELLING JAPANESE SIZES		
615123C	GBC-25 blue ceramic	10	G = TOP SELLING GERMAN SIZES		

615106-100 SPECIAL VALUE PACK FOR VOLUME BUYERS

* Unlike imported ceramic fuses, BUSS® type GBC is totally encapsulated for safety in the presence of gasoline fumes. However, fit and service are the same as original equipment.

SHOULD CUSTOMER DESIRE OE CERAMIC, OPEN-FACE FUSE, THEY ARE AVAILABLE IN 8, 16 AND 25 AMP. ORDER SAME PART NUMBER WITH "C" SUFFIX.

MICRO2 FUSE



- New standard for vehicle circuit protection.
- Sub-miniature design.
- Space saving - allows more fuses to fit in smaller spaces.
- Used as a replacement fuse in new vehicles.
- Color coded for easy identification.

MICRO2 Fuse Refills

PART NUMBER	AMPS	COLOR CODE	QTY	PART NUMBER	AMPS	COLOR CODE	QTY
615601	5	Tan	25	615605	20	Yellow	25
615602	7.5	Brown	25	615606	25	Clear	25
615603	10	Red	25	615607	30	Green	25
615604	15	Blue	25				

MICRO3 FUSE



- 3 terminals an 2 fuse elements with a common central terminal.
- Space saving with sub-miniature design.
- High temperature tolerance in adverse environments.
- Meets the need for more circuits to be protected while utilizing less space.

MICRO3 Fuse Refills

PART NUMBER	AMPS	COLOR CODE	QTY
615621	5	Tan	25
615622	7.5	Brown	25
615623	10	Red	25
615624	15	Blue	25

MICRO 2 & MICRO 3 FUSE ASST.

Part No. 615598			
110 pcs • 11 items • 12030 plastic tray			
615601	615604	615607	615623
615602	615605	615621	615624
615603	615606	615622	
Numbers in assortment			

FUSES

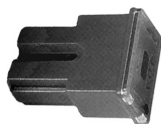
PAL™ FUSES

Commonly found on many automotive built vehicles.

- Available in female connector, male connector and bent connector.
- Color indicates amp rating.
- Designed to withstand high current levels and high temperatures.

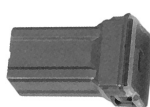
20 AMP LT. BLUE	30 AMP PINK	40 AMP GREEN	50 AMP RED	60 AMP YELLOW	70 AMP BROWN	80 AMP BLACK	100 AMP BLUE	120 AMP GRAY	140 AMP MAROON*	Exception shown below.
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FLF SERIES FEMALE TERMINAL



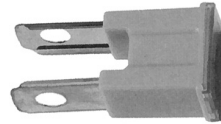
PART NUMBER	AMPS	IND. NO.	COLOR CODE
615366	20	PAL20	Lt. Blue
615351	30	PAL30	Pink
615352	40	PAL40	Green
615360	50	PAL50	Red
615353	60	PAL60	Yellow

FLS SERIES MINI FEMALE TERMINAL



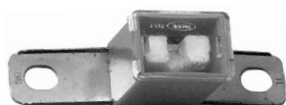
PART NUMBER	AMPS	IND. NO.	COLOR CODE
615372	30	PAL330	Pink
615373	40	PAL340	Green

FLM SERIES MALE TERMINAL



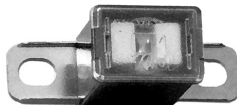
PART NUMBER	AMPS	IND. NO.	COLOR CODE
615354	30	PAL130	Pink
615355	60	PAL160	Yellow
615356	80	PAL180	Black
615361	100	PAL1100	Blue
615365	120	PAL1120	Gray

FLB SERIES 13/16" BENT MALE TERMINAL



PART NUMBER	AMPS	IND. NO.	COLOR CODE
615357	30	PAL230	Pink
615358	40	PAL240	Green
615362	50	PAL250	Red
615363	60	PAL260	Yellow
615359	70	PAL270	Brown
615364	80	PAL280	Black
615258	100	PAL2100	Blue
615259	120	PAL2120	Gray
615399	140	PAL2140	Maroon

FLD SERIES 9/16" BENT MALE TERMINAL



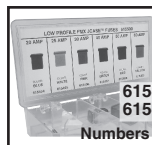
PART NUMBER	AMPS	IND. NO.	COLOR CODE
615367	30	PAL430	Pink
615368	40	PAL440	Green
615369	50	PAL450	Red
615370	80	PAL480	Black
615371	100	PAL4100	Blue

LOW PROFILE FMX SERIES JCASE™ FUSE

- Many late model Domestic & Import applications.
- Offers high AMP protection in a compact package.
- Each AMP rating is color coded and marked.
- Lower overall height allows for space and weight savings.



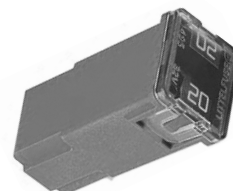
PART NUMBER	AMPS	IND. NO.	COLOR CODE
615494	20	FMX20LP	Blue
615495	25	FMX25LP	White
615496	30	FMX30LP	Pink
615497	40	FMX40LP	Green
615498	50	FMX50LP	Red
615499	60	FMX60LP	Yellow



Part No. 615500
12 pieces • 6 items
12032 plastic tray
615494 615496 615498
615495 615497 615499
Numbers in assortment

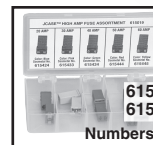
FMX SERIES JCASE™ HIGH AMP FUSE

- High current fuse used on some 97 & newer Japanese cars.
- Currently being designed into more new models.
- Special time delay & low voltage drop.



FMX Series JCASE™ High Amp Fuse Refills

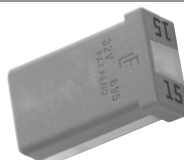
PART NUMBER	AMPS	IND. NO.	COLOR CODE
615424	20	JCAS20	Blue
615433	30	JCAS30	Pink
615434	40	JCAS40	Green
615444	50	JCAS50	Red
615445	60	JCAS60	Yellow



Part No. 615019
10 pieces • 5 items
12034 plastic tray
615424 615434 615445
615433 615444
Numbers in assortment

MCASE FUSE

- A cartridge style fuse with female terminals for 2.8mm male terminals.
- Miniaturized footprint for optimal usage of space.
- Time delayed fuse.



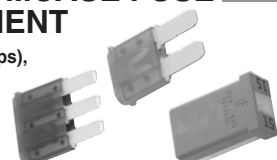
MCASE Fuse Refills

PART NUMBER	AMPS	IND. NO.	COLOR CODE
615641	15	FMM-15	Gray
615642	20	FMM-20	Blue
615643	25	FMM-25	White
615644	30	FMM-30	Pink
615645	40	FMM-40	Green

Part No. 615597
25 pcs • 5 items • 12028 plastic tray
615641 615643 615645
615642 615644
Numbers in assortment

MICRO2, MICRO3 & MCASE FUSE ASSORTMENT

- Contains all sizes MICRO2 (5 thru 30 amps), MICRO3 (5 thru 15 amps) and MCASE (15 thru 40 amps).
- Handy tray is perfect for shop or road.
- Color coded for easy identification.

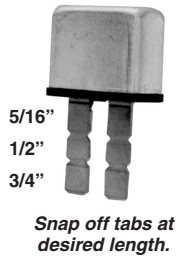


Part No. 615600
160 pcs • 16 items • 12026 plastic tray
615601 615604 615607 615623 615642 615645
615602 615605 615621 615624 615643
615603 615606 615622 615641 615644
Numbers in assortment

CIRCUIT BREAKERS

UNIVERSAL BLADE STYLE CIRCUIT BREAKERS

Heavy duty replacements for ATC/ATO/E-Z fuses. Snap-off blades guarantee 100% fit in all applications.



- Fits all cars, light and heavy duty trucks.
- Can be used in fuse blocks requiring offset blades.
- For 12 volt DC electrical systems.
- **Continuously self-resetting**; designed for maximum efficiency and dependability.
- Features universal male blade terminals to fit OEM fuse blocks; assures greater mounting adaptability and helps to minimize inventory.
- Terminals are grooved for easy size adjustment: simply snap-off tabs at desired position with pliers (one terminal at a time.)

PART NUMBER	AMPS	QTY
615251	10	6
615252	15	6
615253	20	6
615255	25	6
615254	30	6

Part No. 615010				
8 pieces • 5 items				
12032 plastic tray				
615251	615252	615253	615254	615255
Numbers in assortment				

MINI® CIRCUIT BREAKERS

Standard footprint MINI® circuit breakers, Type II.

- Designed to fit in a MINI fuse block or panel.
- Type II non-cycling, used primarily as a harness protector in 12 volt DC automotive systems.
- **Buss CB212 Series.**



Part No. 615023				
7 pieces • 5 items				
12034 plastic tray				
615515	615516	615517	615518	615519
Numbers in assortment				

PART NUMBER	AMPS
615515	10
615516	15
615517	20
615518	25
615519	30

HI-AMP CIRCUIT BREAKERS

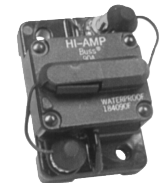
Thermal type circuit breakers offer an economical means for limiting over load currents. Since the breaker resets, unlike a fuse, no replacements are required. Various sizes, configurations and styles meet many application requirements.

- Three styles are available with 50 to 150 amp ratings: automatic reset, manual reset, and manual reset with a manual trip feature.
- The manual resets feature a unique reset mechanism for visual indication of a tripped condition.
- Plastic housing approved for engine compartment or marine bilge area applications.
- Typically used for auxiliary and accessory circuits on trucks, buses, recreational vehicles, marine and construction equipment.
- Single pole thermal type breakers are rated up to 30 volts DC maximum.
- Operating temperature of -25°F to 180°F. 1/4-28 studs and surface mount style have rubber boots for insulating the ends.

Surface Mount Automatic Reset



Surface Mount Manual Reset



Surface Mount Manual Reset with Manual Push to Trip Button (SEE NOTE)



AMPS	HI-AMP BREAKERS SURFACE MOUNT		
	AUTOMATIC RESET STOCK NO.	MANUAL RESET STOCK NO.	MANUAL TRIP PUSH BUTTON STOCK NO.
50	618450	---	618462
60	618451	---	618463
80	618452	---	---
100	618453	618459	618465
120	618454	---	---
150	---	618461	618467

NOTE: Push to trip functions are similar to manual reset, but push to trip has the additional feature of being manually tripped if circuit interruption is required.

LOW PROFILE ATC CIRCUIT BREAKERS

- Single pole thermal overload type circuit protection device.
- Used in many automotive, marine, and industrial applications.
- Ideal when space is limited and for replacing fuses on critical accessories.
- Color coded for easy identification.

Low Profile ATC Circuit Breakers Refills

PART NUMBER	AMPS	COLOR CODE	QTY
615661	5	Tan	3
615662	6	Green	3
615663	7.5	Brown	3
615664	10	Red	3
615665	15	Blue	3
615666	20	Yellow	3
615667	25	White	3
615668	30	Lt. Green	3

Manual Reset Type III



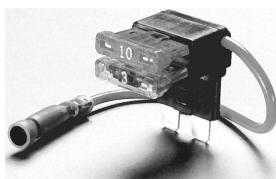
Part No. 615596			
8 pcs • 8 items • 12030 plastic tray			
615661	615664	615667	
615662	615665	615668	
615663	615666		
Numbers in assortment			

CIRCUIT PROTECTION ACCESSORIES

ADD-A-CIRCUIT™

A fuse tap and fuse holder that adds additional circuits without cutting or splicing.

- Fast and easy - plugs right into fuse block providing and extra circuit and protection in one step - no cutting or splicing.
- Maintains new car warranties.
- Add any accessory up to 10 amps such as car phone, fax machine, radar detector, CD player, beverage cooler/warmer.
- Saves time and money.



Fuses not included

TWO SIZES AVAILABLE TO FIT
ATC/ATO/E-Z and Mini®

ATC/ATO/E-Z - Part No. 615279
Mini® - Part No. 615278

SEALED, HD, AUTOFUSE HOLDER

For ATC/ATO & E-Z fuses, 3 to 30 amp.

- Moisture proof.
- 12 ga. wire tolerates high engine compartment temperatures & most solvents.
- Used by GM since 1985 for auxiliary cooling fan motor harness, and since 1989 to fuse electric fuel pumps.
- For most severe applications.
- Nylon cap and silicone rubber seals - resists moisture, salt spray, oils & fuels.
- For use in recreational vehicles, van conversions, motor homes, police cars, emergency vehicles, buses, trucks, race cars, street rods, boats and industrial equipment.
- Fuse not included.



Part No. 32346 6

SEALED, HD, MINIFUSE HOLDER

For "MINI" fuses, 2 to 30 amp.

- Designed for engine compartment use.
- Heat stabilized nylon body.
- Silicone rubber seals.
- Locking cap with mounting bracket.
- Extra long 12 ga. 10" XL (Cross Linked Polyethylene) insulated wire leads will not melt under extreme heat.
- Not affected by most automotive fluids.
- Fuse not included.



Part No. 32332 (12)

MAXI™ FUSE FUSE HOLDER WITH PROTECTIVE CAP

Ideal for high amperage Maxi™ Fuse applications where protective cover is required for harsh environments under the hood.

APPLICATIONS

- Fusible wire retrofit, eliminates fusible links.
- High power accessory lighting.
- Stereo and public address systems (bars).
- Two 6" 6 gauge wire leads.
- Rated to 60 amperes at 32 volts.
- Protective cover permits use in harsh environments.
- Mounting hole for firewall installation.
- High amperage alternators.
- Service vehicles accessories (motors, winches, generators and light bars).
- Alcryn body and cover, and cross link wire for high temperature application.
- Cap secured with removable safety strap.
- Interlock body design for multiple fuse applications.



Part No. 615236

MINI® FUSE HOLDERS

Universal in-line fuse holders designed for use with the soon to be standard Mini® Fuse. Ideal for add-on accessory protection, including under the hood applications.

- Two 4" wire leads.
- Available with 14 gauge black wire, rated up to 20 amps or 12 gauge orange wire, rated up to 30 amps.
- Heavy duty 30 amp fuse holder includes orange insulated wire for easier identification.
- Protective cover permits use in harsh environments.
- Alcryn body and cover for high temperature applications.
- Cap secured with removable strap.



Part No. 615234 2



Part No. 615235 2 Heavy Duty

FUSE HOLDERS WITH PROTECTIVE CAP

For ATO/ATC & E-Z fuses.

- Heavy duty.
- Weather resistant.
- Black TPE body & cap.
- Fuse not included.

Part No. 32385 (12)
Orange 2 x 4" 12 gauge leads
For fuses through 30 amps.

Part No. 32380 (12)
Black 2 x 4" 16 gauge leads
For fuses through 20 amps.

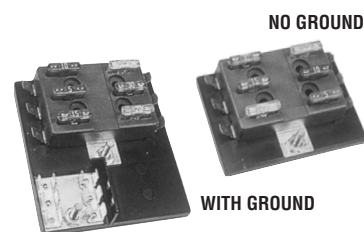


ATC/ATO/E-Z BLADE-TYPE FUSE PANELS

- Compact, lightweight and rugged enough to use in recreational vehicles, trucks, buses and boats.
- The panels will accept -® blade type fuses or blade type automatic or manual reset circuit breakers.
- 30A maximum rating per branch circuit.
- Panels range from 6 to 12 branch protected circuits.
- 160A maximum rating for all branches.
- Easy wiring with 1/4" quick connect branch circuit terminal and stud common ground or 1/4" quick connect, if preferred.

- No top cover is needed, recessed trifurcate fuse contacts.
- Molded of high grade thermoplastic.
- Rated to 105°C with a 94V-0 flame retardant.
- Recessed mounting holes.

PART NO.		
NO GROUND TERMINALS	W/GROUND TERMINALS	NO. OF CIRCUITS
615506	---	6
---	615511	8



NO GROUND

WITH GROUND

FLEET ACCESSORIES

LIGHT DUTY ELECTRONIC SOLID STATE ALTERNATING ALARM

SAE J944b Class C - Conforms to State, Federal, OSHA, Bureau of Mines, US Army Corp of Engineers Requirements.

The alternating type alarm features sealed solid state electronics.

- Rugged fiberglass reinforced nylon housing.
- Integral universal mounting bracket.
- Compact size.
- Field proven electronics and speaker.
- Full two year limited warranty.
- Operates over a 12-24 volt range.
- Operates over a temperature range of -40° to +85°C.

Recommended for low to medium noise environments for use on trucks, buses, delivery vans, lift trucks and other light duty vehicles.



Part No. 618410

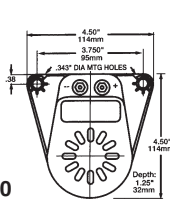
PART NUMBER	DESCRIPTION	FINISH	DIMENSIONS (L x W x H)	FREQUENCY (Hz)	DB RATING @ 4'-0"	BEEP RATING (Per Min.)	POWER SOURCE (Volts)	CURRENT DRAW (AMPS)
618410	Light duty - solid state	black reinforced nylon	4 x 1-5/8 x 2-5/8	1250	97	60	12/24V	.6

BACK-UP ALARM®

The Tail-Gator® has set the quality standard for more than 25 years.

Satisfied customers have made it the best-selling alarm in the industry.

- Single sound level.
- 12 volt systems.
- 97 decibels.
- SAE J994 Type C.
- Weight: 12 oz. (454g)



Part No. 618050



ALARMS (SELF-ADJUSTING)

- Self-adjusting alarm automatically adjust to 10 decibels above the surrounding noise, thus reducing irritation for operators & workers.
- Versatile and compact universal mounting.
- This alarm has #8-32 UNC terminal studs.
- Used by major OEM's.
- Weight: 1 lb. 8 oz. (681g)
- 97-112 decibels.
- 12-24 volt systems.



Part No. 618045

HEAVY DUTY BACK-UP ALARM

- Safety needs demand durability and versatility.
- The 60-102 Heavy Duty die-cast Back-up Alarm answers all your needs with its convenient compact size, rugged housing and decibel rating.
- Our most popular alarm serves on emergency and maintenance vehicles, construction equipment, trucks, buses, firetrucks, lift trucks and utility vehicles.
- Long-term reliability.

Type: Electronic
 Width: 4-1/2" (115mm)
 Depth: 2" (50mm)
 Height: 3" (76mm)
 Voltage: 12 through 36V DC
 Amps: Less than 1/2A
 Sound Level: 102dbA ±4dbA
 Beep Rate: Approx. 60 per minute
 Housing: Heavy-duty die-cast



Part No. 628290
STAR60-102

SMART ALARMS® BACK-UP ALARMS

Our Smart Alarms® are the world's first self-adjusting back-up alarms. These alarms constantly measure ambient noise and adjust their sound level, creating a volume that is safe without being annoying. Smart Alarms® eliminate the need for constant manual adjustment and prevent intentional alarm disconnection.

- Automatically adjusts maintaining a minimum of five dB(A) above noise level up to a maximum rated output.
- Epoxy sealed against dust, moisture and vibration.
- Ends confusion on which alarm to choose.
- Reduces irritation and excessive noise complaints.
- Temperature range: -40°F to +185°F (-40°C to +85°C).

Part No. 618091
SA914



- Integral bracket includes same mounting pattern popular with OEM's.
- Steel housing and construction for rugged applications.
- Meets SAE J994.

Voltage: 12 through 24V DC
 Decibels: 87-112

SAE type: A-D
 Amps: 0.4

Part No. 618090
SA901



- Compact and rugged design for medium noise environment.
- Steel housing and rugged construction for demanding applications.

Voltage: 12 through 24V DC
 Decibels: 82-107

SAE type: B-D
 Amps: 0.3

FLEET ACCESSORIES

BACK-UP ALARM - 112 dB(A)



Part No. 618087
876

- Integral bracket includes same mounting pattern popular with OEM's.
- Reverse mounted speaker enhances sound and protects speaker for longer life.

Voltage: 12 through 36V DC
Decibels: 112

SAE type: A
Amps: 0.4

- Steel housing and construction for rugged applications.
- Meets SAE J994.

STROBE LIGHTS



Part No. 628277
STAR200SD

- Heavy duty and dependable.
- AMBER lens.
- All factory default setting to quad flash, Reprogrammable to single or double flash.
- Made for long life trouble free use.
- Die-cast base is threaded to accept 1/2" pipe mount and includes knockouts for permanent bolt mounting.
- 6" height / 5-1/2" dia.
- Order 628278 - STAR200SDM for magnetic mount.



REPLACEMENT STROBE TUBE

Part No. 638129

HIGH PROFILE STROBE LIGHTS



Part No. 628288
STAR250CDH

- Doubleflash High-power.
- HIGH-POWERED, high visibility.
- Easy to mount (NO disassembly needed).
- Permanently mounts 2 holes on 6-7/8" centers.
- Anodized spun aluminum case.
- Rugged die-cast base plate.
- AMBER lens.
- 8" high.
- 5-1/2" dia.
- Order 628284 - STAR250CDHM for magnetic mount.

REPLACEMENT STROBE TUBE for High Powered Series - Part No. 638130

LOW PROFILE with DIE-CAST BASE STROBE LIGHT



Part No. 628280
STAR200Z

- Ideal for construction, forklift or other applications.
- Only 4-1/8" tall (very low profile) x 4-1/8" dia.
- Aluminum retaining ring clamps polycarbonate lens to base.
- Rugged die-cast base.
- Fits almost anywhere!
- 4-1/8" dia.
- Factory set to quad flash.
- Lens Color: AMBER.
- Voltage: 12.
- Mounting: Base threaded for 1/2" pipe mount and knockouts for permanent bolt mounting)

REPLACEMENT STROBE TUBE for Single Flash 200Z & 211RM Series - Part No. 638131

MEDIUM PROFILE STROBE LIGHT



Part No. 628289
STAR250SDH

- HIGH POWERED, Double Flash.
- Easy to mount flange base. (NO disassembly needed)
- Permanently mounts at 2 holes on 6-7/8" centers.
- Anodized spun aluminum case.
- Rugged die-cast base plate.
- AMBER lens.
- 6-1/8" high x 5-1/2" dia.

REPLACEMENT STROBE TUBE

Part No. 638130

LED LOW PROFILE STROBE LIGHT



Part No. 628285

- Durable, lightweight, polycarbonate flange base.
- 3 hole permanent mount.
- 4-3/4" high.
- 6-13/32" diameter.
- 26 flash patterns, QUAD FLASH.
- Lens color: AMBER.
- Voltage: 9-32V.
- Mounting: Magnetic - with lighter plug.

Made in U.S.A.

360° LED MINI STROBE



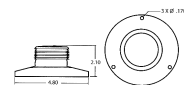
- Ideal for utility, construction, security, snow & maintenance applications.
- Features five user selectable flash patterns.
- Meets SAE J1318 Class III.
- 12-48 volt DC, .173 amp.
- Waterproof.

MATERIAL:

- Polycarbonate lens.
- Black cast aluminum housing.
- 18 gauge wire.

LIGHT SOURCE:

- Light emitting diodes (LEDs)



PART NUMBER	DESCRIPTION
628492	92688Y Yellow, permanent mount