

APP[®]
AUTO-PLAST PRODUKT

Car Laminated Glass Repair

NSK

NSK Laminated Car Glass Repair Set

NSK Laminated Car Glass Repair Set includes a professional set of tools purposed for repairs of different damages of windshield caused mainly by stones.

Repair with **NSK Set** enables to restore original properties including strength, as well as permittivity and light refraction.

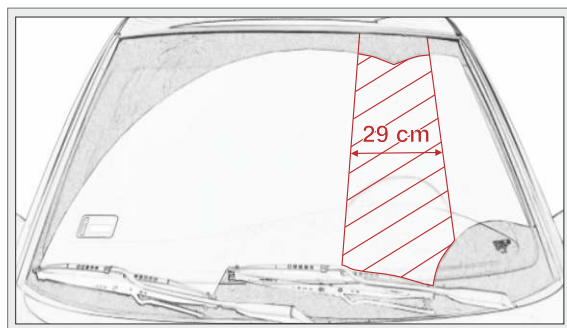
■ Laminated Car Glass Repair Set (APP No. 220500)

THE SET INCLUDES:

- PVC bridge
- Resin filler NSK 919 - 3 items APP No. 220505
- Injector NSK 3200 – 3 items APP No. 220510
- Finish resin NSK 943 APP No. 220515
- Crack repair resin NSK 634 APP No. 220540
- Mylar film NSK 970 – 2 items APP No. 220525 (10 items)
- High-gloss polish NSK 949 APP No. 220545
- Carbide bit NSK 934 APP No. 220520
- UV lamp with timer
- Sucker grease
- Square mirror
- Mini drill 12V
- Polishing stick
- Carbide needle (inside pen holder)
- Long needle
- Scraper blade (2 items)
- UV filter
- Transparent rolled film
- Drill extension cord
- User Manual

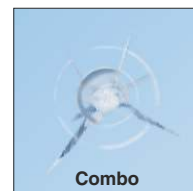
The set is provided for repair of following damages:

- Buffalo eye
- Star
- Bee wing
- Crack
- Combo (related to buffalo eye and crack)



Warning:

it is prohibited to perform repair of windscreens in the area in front of the driver with a width 29 cm-see figure above.



■ Accessories and Ancillary Materials

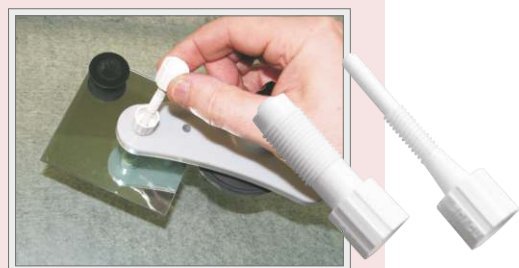
NSK 919



Resin Filler (APP No. 220505)

Resin filler for car laminated glass repairs with NSK system. Following use the resin tube shall be stored inside soft bag to ensure protection against UV radiation.

NSK 3200



Injector (APP No. 220510)

Injector (cylinder along with piston) for filler resin injection at repaired place.

NSK 943



Finish resin (APP No. 220515)

Hard resin purposed for finishing of repaired car glass with NSK system.

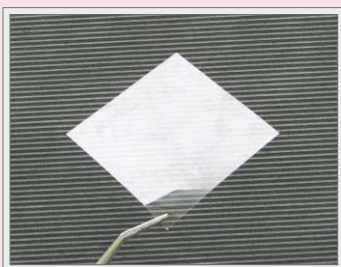
NSK 949



Car glass repair system high-gloss polish (APP NO. 220545)

High- Gloss Polish purposed for polishing of repaired place.

NSK 970



Mylar film (APP No. 220525)

Mylar film purposed for finish of car glass surface. To be used along with Finish Resin NSK 943 (APP No. 220515). Package of 10 items.

NSK 934



Carbide bit (APP No. 220520)

Carbide bit for drilling during repair of star and star shaped damages.

Optional Accessories

NSK 272



Crack reamer (APP NO. 220530)

Tool purposed for reaming of car glass oblong cracks. It facilitates injection of crack resin NSK 634 (APP No. 220540).

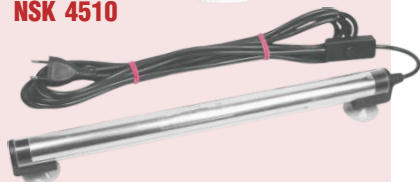
NSK 634



Crack resin (APP No. 220540)

Resin purposed for repairs of car glass with NSK system.

NSK 4510



Long UV lamp (APP No. 220535)

Ultraviolet long lamp that enables resin injection during repair of long cracks.

■ APP NSK CAR GLASS REPAIR SET – USER MANUAL



Identify type of damage:
- Buffalo eye
- Star
- Bee wing
- Crack
- Combination of above

Firstly clean the glass with Glass Cleaner and microfiber cloth. Remove any moisture. The surface shall be dry, clean and free of any loose particles.



Install the ancillary mirror on the internal side, after prior application of grease on sucker.



In case of star and star related damage, drill a hole with drill on external glass side, in manner that does not damage the laminating film.



Remove glass particles caused by drilling with carbide needle (placed inside pen holder) and chamfer carefully the hole.



Install the bridge on glass external side (after prior application of grease on sucker). Press the sucker against the glass, if the screw is loose, so that supporting feet adhere to glass and injector is placed centrally over the hole.



Check if hole and injector are centrally aligned using the needle.



Tighten the injector cylinder to ensure that that gasket adheres tightly to glass.



Inject a few drops of NSK 919 filler resin inside injector.



Mount the piston to injector cylinder so that injector gasket internal hole gets slightly bigger. The filler resin will be injected at pressure. Then screw off piston from injector cylinder (injector gasket internal hole gets smaller).

Generated negative pressure will remove the air from surface of damaged glass. Repeat these steps according to the following cycles:

Cycle under pressure	Cycle under negative pressure
5 sec.	10 sec.
10 sec.	20 sec.
15 sec.	30 sec.
20 sec.	40 sec.
30 sec.	60 sec.
40 sec.	1 min. 20 sec.
50 sec.	1 min. 40 sec.
60 sec.	2 min.



Remove the bridge. Inject a drop of finish resin NSK 943 centrally at place of repair.



Cover injected resin with mylar film by pressing it slightly centrally.



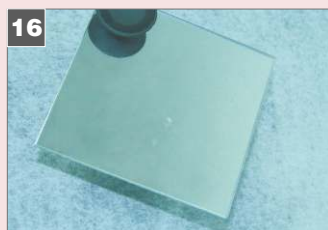
and 13- Install the UV lamp over repaired surface. Apply grease on suckers (for safety support the lamp appropriately e.g. with hammer). Resin hardening time-15min.



Upon resin hardening remove resin remains with scraper positioned perpendicularly to glass surface.



Polish the surface with high gloss polish NSK 949 and felt polishing stick mounted to drill (included in set).



Repair has been finished.

■ TRAINING REGARDING REPAIR OF LAMINATED CAR GLASS

Our Company also offers comprehensive training including classroom and workplace sessions for professionals and skilled workers interested in car laminated glass repair using NSK system. Training is conducted by highly qualified instructors at fully equipped Training Centre located in Września. All participants receive training materials and the certificate confirming training completion.