

Comparison report on Genuine vs Counterfeit Fuel Filter – 31973 44001

Genuine part: Hyundai



Part identification Labels are in English Only Branding in other language.

Counterfeit part:

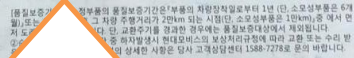


Part identification & Labels are in other language.

Genuine part: Hyundai

Part number and description are same: **FUEL FILTER**

31973 44001
FILTER CARTRIDGE
4B0 1 PC MADE IN KOREA



(품질보증기간) 본품의 품질보증기간은 '부품의 차량상장일로부터 1년 (단, 소모성부품은 6개월)' 또는 '그 차량 주행거리가 2만km 되는 시점'인, 소모성부품은 1만km) 중 먼저 만
족하는 기간을 기준으로 하며, 보증기간은 보증서에서 확인됩니다.
본품은 차량의 안전을 위하여, 본품의 품질보증기간에 따라 교환 또는 수리 받
아야 하는 사항에 따라 고객상담센터 1588-7278로 문의 바랍니다.



QR Scanner

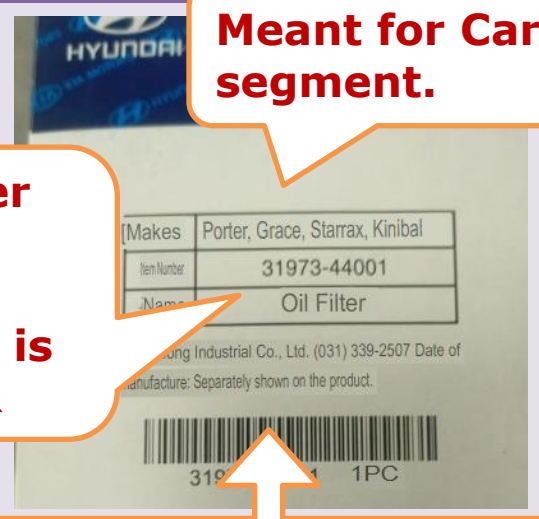
Barcode
3197344001 0001
Code 128

Bar code matches with part number & description

Counterfeit part:

Meant for Car segment.

Part number is for fuel filter but description is **OIL FILTER**



| | |
|-------------|---------------------------------|
| (Makes | Porter, Grace, Starrax, Kinibal |
| Item Number | 31973-44001 |
| Name | Oil Filter |

ong Industrial Co., Ltd. (031) 339-2507 Date of
Manufacture: Separately shown on the product.

31973 44001 1PC

QR Scanner

Barcode
2630042040 001
Code 128

Bar code reads **26300 42040** which is for Oil filter

Part identification:

Genuine part: Hyundai



Hyundai Logo

Lighter font printing on the part



Counterfeit part:



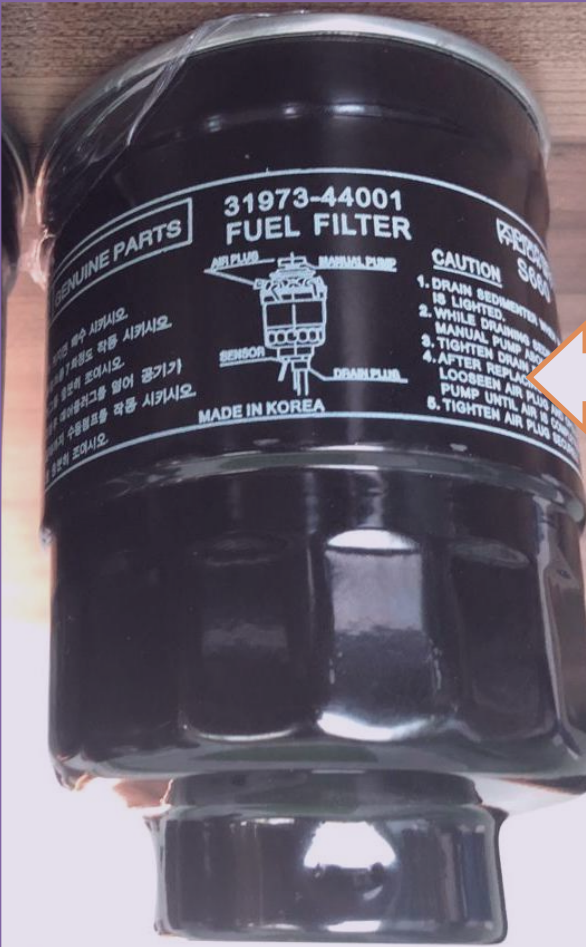
NO Logo

Part identification:

Genuine part: Hyundai

Counterfeit part:

- All Labels are printed lightly.
- Part color is somewhat in MAT finish.
- Actual Part size is 3mm higher.



- All Labels are printed Extra Bright in BOLD.
- Part color is Glossy
- Part is 03mm shorter

Part identification:

| Aesthetic features | Genuine part: Hyundai | Counterfeit part: |
|---|---|--|
| <ul style="list-style-type: none">• Weight of Fuel filter• O- Ring Area Width• Fuel filter OD• Drain plug side ID• Water drain valve ID• O- Ring Thickness• O- Ring ID• O- Ring OD | <ul style="list-style-type: none">• 435 Gms• 7.5 -8. 5 mm• 98.75 mm• 34.1 mm• 18.75 mm• 4 mm• 52.5 mm• 70 mm | <ul style="list-style-type: none">• 350 Gms• 7.5 -8. 5 mm• 96.5 mm• 34.6 mm• 18.65 mm• 4 mm• 52.5 mm• 70 mm |

Part identification:

| Quality aspects | Genuine part: Hyundai | Counterfeit part: |
|---|--|---|
| <ul style="list-style-type: none">▪ Filter medium Width▪ Filter medium Quality▪ Filter medium packing▪ Filter medium length▪ Filter medium Thickness | <ul style="list-style-type: none">• 65 mm• Porous (Fine)• Filter media large gap• 130 mm• 0.4 mm | <ul style="list-style-type: none">• 43 mm• Porous (Rough)• Filter media small gap• 90 mm• 0.5 mm |

These differences will probably affect the fuel filtration performance and reduces the life of the Fuel filter

Filter medium packing

- Filter medium material is rough and gap between outer casing & filter is too narrow



Filter medium width

Hyundai filter



Width 65mm

Width 43 mm



Counterfeit

Part Performance:

Genuine part: Hyundai

PERIODIC CHECK AND SERVICE CHART

Symbols ○ : Check, adjust or lubricate
● : Replace oil, grease or element

| Check and service item | | Preparational (every 10 hours) | Every 60 hours | Every 125 hours | Every 250 hours | Every 500 hours | Every 1000 hours | Every 7000 hours | Remarks | |
|------------------------|--|--|----------------|-----------------|-----------------|-----------------|------------------|------------------|---------------------------------|--|
| Engine General | Starting condition and noise | | ○ | | | | | | | |
| | Low speed and acceleration (rated) condition | | ○ | | | | | | | |
| | Exhaust condition - C-DPF | | | | | ○ | ○ | | | |
| | Cylinder head, manifold and mounting bracket installation | | *○ | | | | ○ | | * Applicable to new engine only | |
| | Compression pressure | | | | | | ○ | | | |
| | Valve clearance | | *○ | | | | ○ | | * Applicable to new engine only | |
| | Timing belt | | | | | | | ● | Inspection of 4000 hour | |
| Lubrication system | Oil leaks | | ○ | | | | | | | |
| | Damaged hose | | | | | | ○ | | | |
| | Engine oil pan | Check oil for contamination and quantity | | | | | | | | |
| | | Replace oil | | *● | | ● (200-300H) | | | | * On new engine, be sure to replace engine oil in first 60 hrs |
| | Oil filter | Replace | | | ● (200-300H) | | | | | |
| Fuel system | Fuel leaks (Check hose for damage and deterioration) | | ○ | | | | | | | |
| | Fuel filter | Replace | | | | | ● | | | |
| | Injection pressure and spray condition of injection nozzle | | | | | ○ | | | | |
| | Injection timing | | | | | | ○ | | | |

Change for every 1000 hours i.e. 60,000 KMS

Counterfeit part:

NORMAL MAINTENANCE SCHEDULE - DIESEL ENGINE (CONT.)

| MAINTENANCE INTERVALS | Number of months or driving distance, which | | | | | |
|--|---|-----|----|----|----|----------------|
| | Kmsx1,000 | 1.5 | 10 | 20 | 30 | 40 |
| Months | | 2 | 12 | 24 | 36 | 48 |
| Years | | - | 1 | 2 | 3 | 4 |
| Oil | | I | I | I | I | I |
| Water | | I | I | I | I | I |
| Belt (hoses/connectors) | | I | I | I | I | I |
| Fuel | | - | I | I | I | I |
| Oil | | I | R | R | R | R |
| Oil | | I | I | I | I | I |
| Oil (hoses) & le... | | I | I | I | I | I |
| Fuel additives*7 | | - | - | - | A | - |
| VEHICLE ON LIFT | | | | | | |
| 4WD Shaft Differential Transfer case oil (if applicable) | | | | | | Not applicable |
| Steering gear rack, linkage and boots | | I | I | I | I | I |
| Exhaust system | | I | | I | I | I |
| Fuel filter cartridge*8 | | - | - | R | - | R |
| Fuel tank air filter | | | | | | Not applicable |

Change for every 20,000 KMS which is 3 times higher compared to Genuine part

Thank You Very Much

