

PRECISION PERFORMANCE  
SINCE 2002



**TECHNICAL  
LIBRARY**

# **SHIPPING YOUR BLOCK OR CYLINDERS TO LN ENGINEERING**

**PRE-SHIPMENT CHECKLIST**

- 1 Prior to sending cylinders and/or blocks to LN Engineering, please contact us for complete instructions.
- 2 LN Engineering requires 50% deposit before any work is started. Custom parts and services require 100% payment in advance.
- 3 Lead time for cylinder reconditioning is typically 3-4 weeks minimum; Nickies sleeving for M96 and M97 engines have a 6-8 week minimum lead time.
- 4 Before sending any blocks/case halves that are damaged, photos should be taken and sent for evaluation to determine if repairable and what the estimated additional charges for repairs.
  - ▶ Blocks that have been previously repaired using some other process including steel sleeving may not be repairable. In the event we cannot repair your block, you will be responsible for time and materials only.
- 5 Engine blocks/case halves or air-cooled cylinders must be cleaned prior to being sent to us and cannot have any oil contamination, otherwise cleaning fees will be charged prior to any machining or repairs can be done.

#### AIR-COOLED CYLINDERS:

- ▶ must be packaged individually with protection around each cylinder, then individual cylinder boxes packaged in a larger box with additional padding on all sides.

Do not leave pistons or other components in cylinders when shipping. These items, if provided, must be boxed separately, if instructed to send them to us.

#### ENGINE BLOCKS/CASE HALVES:

- ▶ should be stripped of all bushings/locator pins, or dowels and every part that can be removed or taken off must be removed. These items will not be returned to you and you will be billed for extra labor to remove these items.
- ▶ Engine block/case halves need to be boxed separately from each other unless using LN's custom shipping boxes.

**Blocks need to be packaged soundly with several inches of rigid padding on all sides in a double wall outside box.**

**DO NOT USE CRATES OR PLASTIC/RUBBER BINS.**

**Blocks damaged in shipping due to improper packaging will not be covered by shipper.**

- ▶ When sending your intermediate shaft, package this separately as well. Be sure to put the intermediate shaft in a sealed bag to prevent oil from leaking and causing UPS to return or discard the shipment.

- 6 LN Engineering offers pre-paid shipping including custom block boxes to simplify the shipping process and ensure case halves are not damaged in transit.
- 7 If not using LN's prepaid shipping option, all shipments should be insured to cover replacement cost if lost or damaged. Minimum insurance recommended as follows:
  - ▶ Watercooled engine blocks - \$8,200 (or most current price from Porsche for replacement)
  - ▶ Aircooled cylinder sets - \$4,200
- 8 Label all parts so that they are identifiable as yours – we get lots of shipments with parts not labeled as who they came from and some that even are separated from their packaging (when poorly packaged).
  - ▶ Package every part as if it will be shot out of a cannon. This is especially the case with heavy or awkward boxes that are difficult for drivers to handle by themselves.
  - ▶ Remove all old shipping labels from the box
  - ▶ Include a copy of your purchase order or your invoice or estimate from LN and a business card so we know who to contact upon receipt.
  - ▶ In the event your shipment gets lost, having paperwork inside will help the shipper identify the shipper.
- 9 Pickup and drop off of parts can be scheduled with LN Engineering for normal business hours M-F 8:30A-5:00P, holidays excluded. Saturday service is by appointment only.
- 10 Inbound international shipments must have all charges for import/duty/brokerage billed back to the sender.
  - ▶ It is the sender's responsibility to pay these fees and if LN Engineering is billed for these charges, we will bill your invoice accordingly plus additional surcharges.
- 11 LN Engineering only uses UPS for shipping and will not provide low value invoices for services rendered and parts purchased.
  - ▶ LN Engineering does not allow billing to 3rd party accounts.

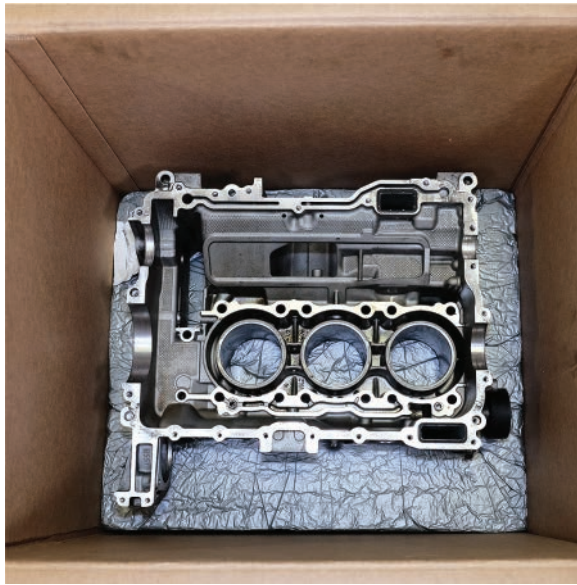
SHIPPING BLOCK HALVES WITH PREPAID SHIPPING BOX FROM LNEGINEERING - QUICK REFERENCE



**1** Place the bottom insert in the box as shown

**2** Place the half-block **WITHOUT** the oil filter port in the box as shown

**3** Cover with the cardboard separator.



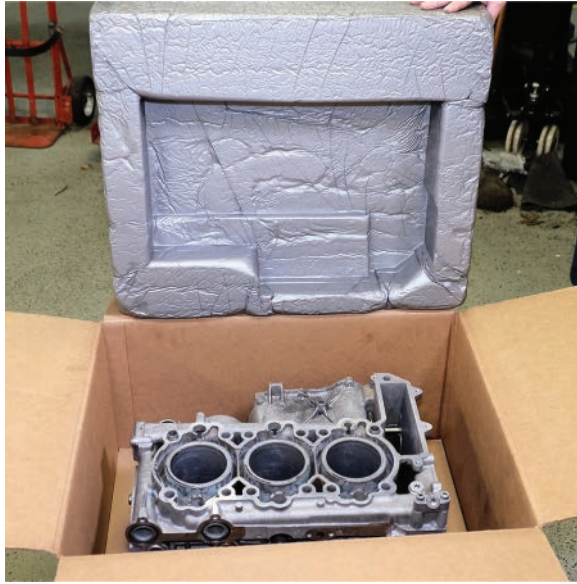


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- 4** Place the other half-block in the box. Make sure it is oriented towards the bottom half the same way it would be in an assembled engine



- 5** Observe proper orientation of the top padding insert



- 6** Place the top padding insert over the half block. Close the box and secure with heavy duty shipping tape and / or other shipping materials as needed.

