



# Aster Hobby Co of Japan - SNCF 241P PRODUCT BOOKLET



Image courtesy Mr.Akira Aoyagi RMM magazine

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Importer & distributor for Aster Hobby Co, Japan  
in the Asia/Oceania region



[www.argyleloco.com.au](http://www.argyleloco.com.au)

## History

In October of 1945, the French National Railways SNCF ordered 35 four cylinder compound mountain type (4-8-2) locomotives from Schneider locomotive works in Creusot. The locomotives were to serve in express passenger service and had to pull a 750 ton train at a sustained speed of 120 km/hr. Primary fields of operation were on the Paris - Lion , Paris - Dijon - Marseille, Paris - Chaumont - Mulhouse and Paris - Lion - Mediterranee lines. Several locomotives were equipped with different tenders to full-fill the demands of their assigned territory. All of them featured mechanical coal stokers.

Because of their excellent performance record they remained in service long into electrification of the railway with the last locomotive retired in 1973. Four examples are preserved.



Image courtesy Mr.Akira Aoyagi RMM magazine

<b>Build Date</b>	May 1948 – June 1952
<b>Length</b>	27.117 m (89 ft 0 in)
<b>Weight on Drivers</b>	81.6 t (80.3 long tons; 89.9 short tons)
<b>Locomotive Weight</b>	131.4 t
<b>Tender Weight</b>	81.6 t
<b>Fuel Capacity</b>	12 t coal
<b>Water Capacity</b>	34,050 L
<b>Boiler Pressure</b>	20 kg/cm <sup>2</sup> (1.96 MPa; 284 psi)
<b>Firegrate Area</b>	5.052 m <sup>2</sup> (54.38 sq ft)
<b>Top Speed</b>	120 km/h (75 mph) max. service speed
<b>Power Output</b>	4,000 hp (3,000 kW)

### 241P Prototype

View in action via YouTube

▶ <http://www.youtube.com/watch?v=zSJtkMKdSiE&feature=related>

## The Model

This French 4-8-2 four cylinder compound locomotive will represent the most advanced and highly detailed European model built by Aster Hobby Co of Japan.

The model faithfully replicates the prototype 241P in magnificent detail including compound expansion cylinders and the sub firing chamber in the boiler barrel. A coal firing kit is included.



Image courtesy  
Mr.Akira Aoyagi RMM magazine

### Coal Firing the 241P

View in action via YouTube

► [https://www.youtube.com/watch?v=TtJRxbh7HdY&list=ULDCfkd5\\_6Xt8](https://www.youtube.com/watch?v=TtJRxbh7HdY&list=ULDCfkd5_6Xt8)



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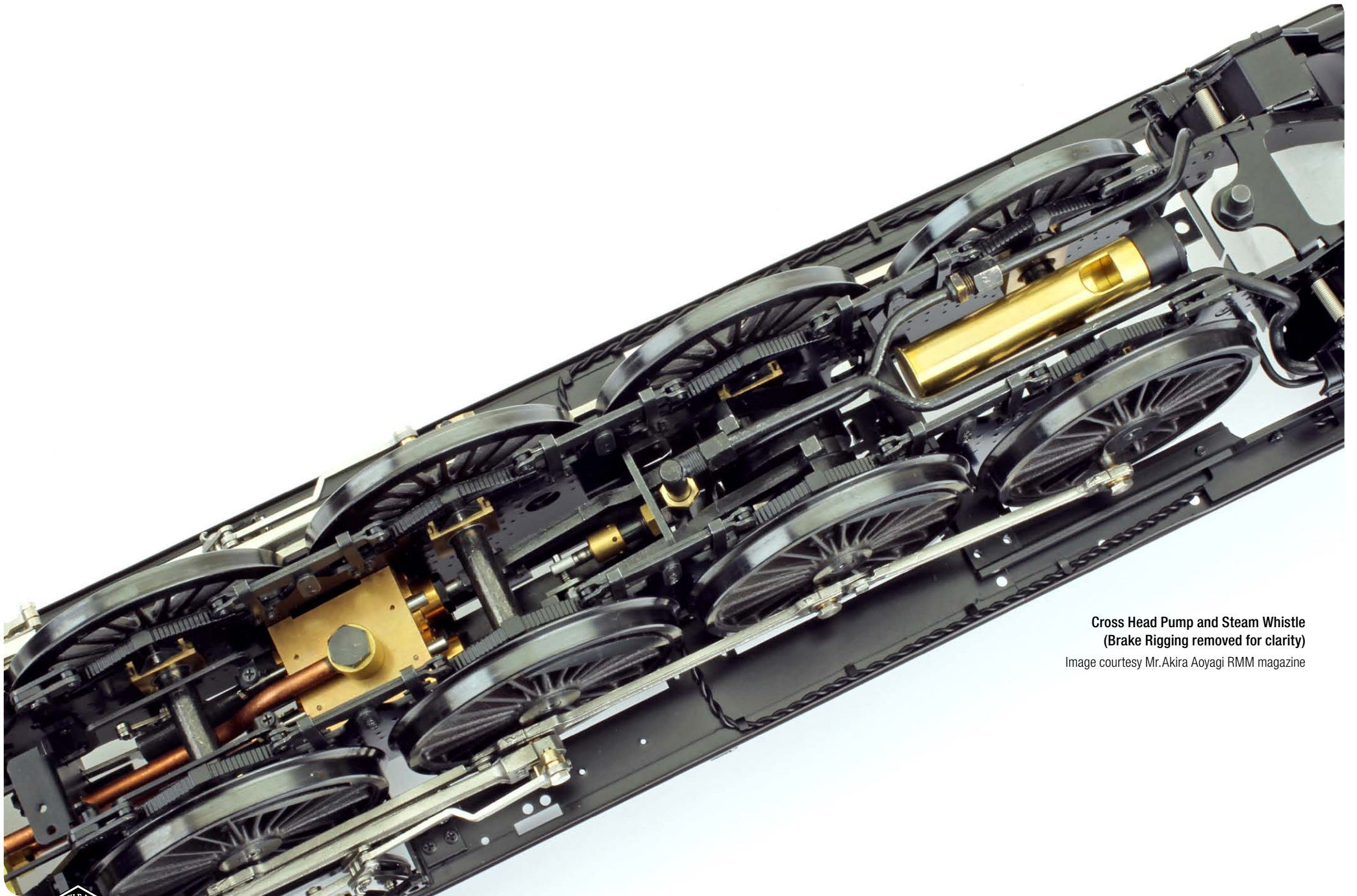
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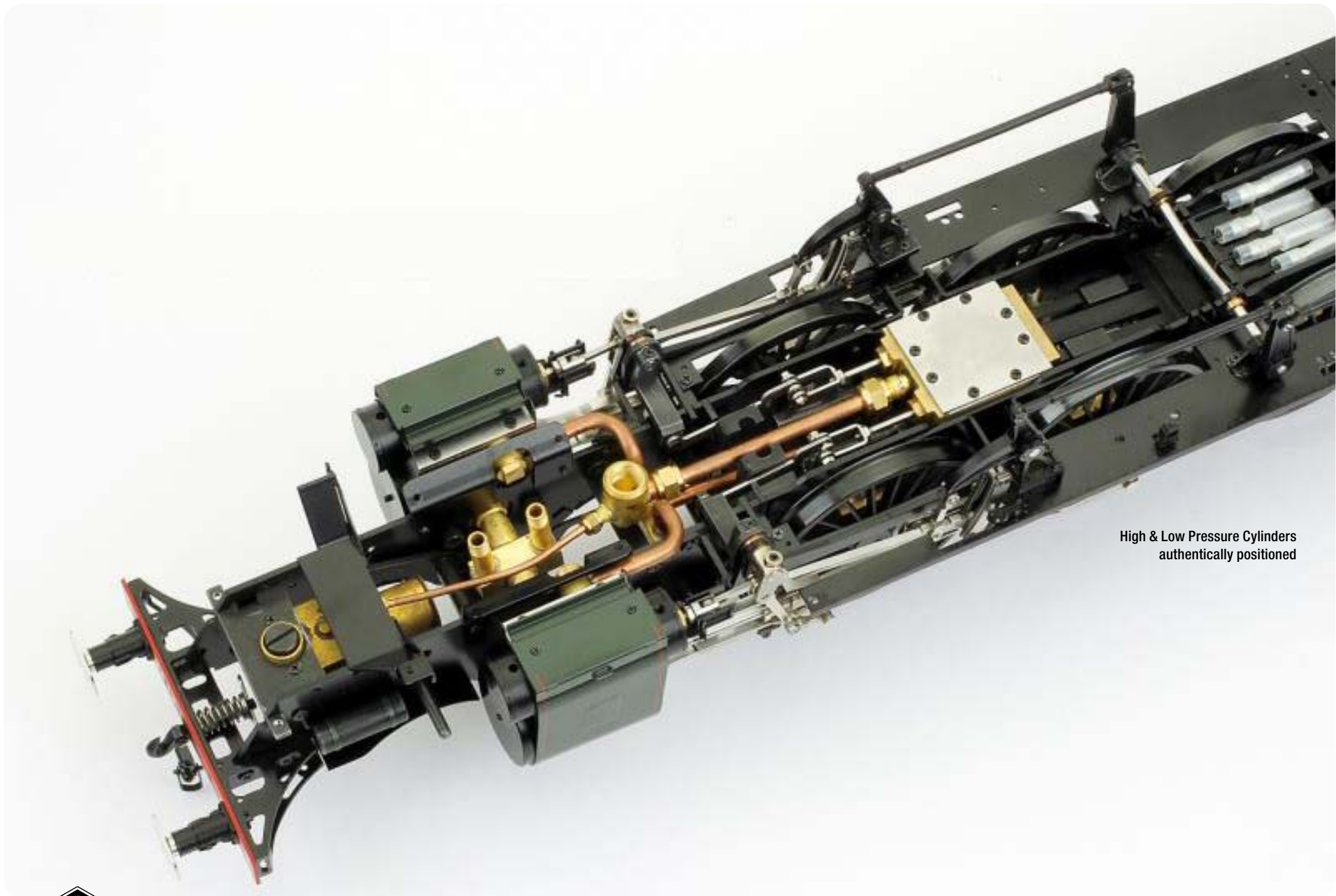
## Specifications SNCF 241P

<b>Scale/Gauge</b>	1/32 45mm (Gauge 1)
<b>Length</b>	860mm
<b>Width</b>	92mm
<b>Height</b>	133.5mm
<b>Wheel Arrangement</b>	4-8-2 'Mountain' type
<b>Driving Wheel</b>	Cast iron, dia 61.6mm
<b>Pilot Truck Wheels</b>	Cast iron, pilot wheel : dia 29mm/Trailer : 42.2mm
<b>Tender Truck Wheel</b>	Cast iron, dia 38mm
<b>Cross Head Pump</b>	Bore 3mm × Stroke 18mm
<b>Cylinder</b>	HP : Bore 10mm × Stroke 18mm/ LP : Bore 13mm × Stroke 21mm with working Drain Cocks
<b>Valve Gear</b>	Walschaerts' valve gear
<b>Boiler Type</b>	Locomotive
<b>Water Capacity</b>	380cc
<b>Boiler Fittings</b>	Whistle, two safety valves, pressure gauge, regulator/blower valve, check valve, blow down valve, superheater, water gauge glass with blow down valve
<b>Lubricator</b>	Roscoe displacement type
<b>Tender</b>	Hand operation pump (Bore 11mm × Stroke 12mm), 9V Battery box
<b>Water Tank Capacity</b>	500ml
<b>Fuel</b>	Coal or alcohol (both methods included)
<b>Fuel Capacity</b>	340ml
<b>Minimum Radius</b>	3 meters recommended
<b>Lighting</b>	Battery powered LED headlights, tender lights, drive train side lights





**Cross Head Pump and Steam Whistle**  
**(Brake Rigging removed for clarity)**  
Image courtesy Mr. Akira Aoyagi RMM magazine



High & Low Pressure Cylinders  
authentically positioned





Coal Firing Kit



Tender with Full Brake Rigging





Image courtesy Mr.Akira Aoyagi RMM magazine

Pictures and text courtesy of Aster Hobby Japan.  
Specifications are subject to update as development and  
production proceed and may change without notice.

