

**1 9 3 1**  
Hudson-Essex

**Parts Bulletins**

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# HUDSON-ESSEX PARTS BULLETIN

February 9, 1931.

RE: - HUDSON VALVE SPRINGS

Valve spring Number 35061 (7/8" diameter) has been superseded in Hudson engine production by valve spring Number 63773 (1" diameter) beginning with engine Number 41153. These springs are not interchangeable. Under no circumstances should the 7/8" spring be replaced by 1" springs.

The material specifications on the Number 35061 valve spring have been changed and the new springs are being supplied on all parts shipments as of February 9, 1931.

Care should be taken to prevent mixing of the original springs with the new stock and all old stock now on hand should be returned with properly executed replacement certificates. Please arrange also to replace original stock of Number 35061 valve springs now in your dealers' hands with parts of the new material specifications.

Should it be necessary to replace a valve spring in any of the engines using Number 35061 valve spring, replace the entire set with springs of the new specifications, returning the original springs to us for credit.

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HUDSON MOTOR CAR COMPANY

D.S.6046

Detroit, Michigan.

# HUDSON-ESSEX PARTS BULLETIN

March 18, 1931.

RE: PISTON RINGS BM 35022 - 35024 - 35026.

We are now able to offer piston rings for 1931 Hudson and Essex engines, selected to a definite cylinder bore in addition to the rings with filing stock listed on Reference Sheet number 18, (February, 1931).

The sizes in which these rings are available include, according to our records, more than 90% of the volume of piston ring usage. By "stocking" these sizes you can, therefore, select rings for practically all jobs, eliminating the necessity of filing rings and greatly reducing your labor cost.

We believe these additional ring sizes will also help in increasing piston and ring sales to independent garages. Since, however, considerable extra handling is involved in our Parts Department, continuation of this service will depend entirely upon the quantities used.

Under the present arrangement it will be possible for us to supply these sizes only for the duration of their usage in our car production. Should rings of a new size or type become standard equipment at a future date, we will automatically revert to supplying rings with "filing stock" on all orders.

The sizes available and the cylinder bore and piston sizes to which they should be fitted are listed on the attached sheet.

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D.S.6049

(ADDITIONAL COPIES FOR DEALER DISTRIBUTION WILL FOLLOW)

SPECIAL PISTON RING SIZES  
HUDSON AND ESSEX  
1 9 3 1

(THESE SIZES APPLY ONLY TO PISTON RINGS NUMBERS BM-35022, BM-35024, BM-35026.)

Cylinder Size	Cylinder Code	Use	Piston Code	Piston Size	Use	Piston Ring Code
2.8750	A	Use	B	2.873	Use	A
2.8755	B)					
2.8760	C)	"	D	2.874	"	B
2.8765	D)					
2.8770	E)	"	F	2.875	"	D
2.8790		"	J	2.877	"	H
2.8850	AO	"	BO	2.883	"	AO
2.8855	BO)					
2.8860	CO)	"	DO	2.834	"	BO
2.8865	DO)					
2.8870	EO)	"	FO	2.885	"	DO
2.8890		"	JO	2.887	"	HO

NOTE: These special sizes are available only during the time of continued usage of rings BM-35022, BM-35024, BM-35026 in our now car production. Regular sizes including standard, .005 oversize, .010 oversize, .015 oversize, .020 oversize, and .030 oversize, with filing stock to permit fitting, can be obtained as heretofore.

When using the above table read across the page to obtain the proper piston and piston ring size for a particular cylinder size.

EXAMPLE: (1) For a cylinder size 2.8760 use a "D" piston (size 2.874) and a "B" piston ring.

(2) For a cylinder size 2.8765 use an "F" piston (size 2.875) and a "D" piston ring.

When ordering piston rings specify quantity, part number, name, and size code letter.

EXAMPLE:

- 12 - BM-35022 piston Ring - Compression - Size "B".
- 6 - BM-35024 Piston Ring - Oil - Upper - Size "B".
- 6 - BM-35026 Piston Ring - Oil - Lower - Size "B".

# HUDSON-ESSEX PARTS BULLETIN

March 27, 1931.

RE: PISTON PINS

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Beginning with Hudson engine Number 40082 and Essex engine Number 1318960 the piston boss bore was reduced in diameter to give a tighter fit on the piston pin. (See Reference Sheet Number 18, February, 1931).

In order to permit fitting to the same clearance in service we now have a .0004" oversize piston pin available through our Service Parts Department.

These special pins can be obtained on regular parts orders by specifying BM 35009 piston pin (.0004" oversize). These pins are also being included in all service piston shipments which are filled with pistons having the larger piston boss bore.

When ordering these special pins, either to permit correct fitting of pistons now in your stock or for service purposes in 1931 engines carrying numbers below those listed above, be sure to specify size (.0004" oversize).

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D.S.6053

"ADDITIONAL COPIES BEING FORWARDED FOR DEALER DISTRIBUTION"

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