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SERVICE BULLETIN
 #2

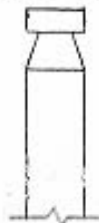
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IDENTIFICATION CHART FOR ROYAL ENFIELD ENGINE VALVES & GUIDES:

This chart lists the various engine valves and guides used on all Royal Enfield models, 1955 to date, 250cc, 350cc, 500cc, 700cc and 750cc models. Also Indian models made by Royal Enfield, 1955-59.

Keep in mind the differences between "A" type valves, and the later "B" type valve assemblies, as illustrated below:

(A) Earlier Type Stem:



(B) Later Type Stem:



(Bullock-type stem keepers)

Appropriate identification following part number:

- (A) Valves using 10672 end caps, 11099 keepers, & steel top collars.
- (B) Valves using no end caps, 42492 keepers, & alloy top collars.
- (C) Cast-iron valve guides for cast-iron cylinder heads.
- (D) Phosphor-bronze valve guides for alloy cylinder heads.

| | Part No: | Valve: | Head Diameter | Overall Length | Model: |
|-----------------------|-------------|-------------|---------------|----------------|--|
| <u>250cc Singles:</u> | 21063 (A) | Inlet | 1-5/16" | 3-15/16" | 1955/58 Indian 250 models, iron head & barrel, separate gearbox (64mm-Bore) |
| | 21064 (A) | Exhaust | 1-5/16" | 4" | |
| | 21322 (C) | Guide, I&Ex | | 2-1/16" | |
| | 39156 (A) | Inlet | 1-7/16" | 3-13/16" | 1959 Indian 250cc "Fire-Arrow" with iron cyl. head. (Crusader type) |
| | 35392 (A) | Exhaust | 1-3/8" | 3-13/16" | |
| | 22641 (C) | Guide, inl. | | 1-13/16" | |
| | 21322 (C) | Guide, exh. | | 2-1/16" | |
| | 25524 (D) | Guide, inl. | | 1-13/16" | As '59 above, but with alloy cyl. head (70mm-Bore) |
| | 44045 (D) | Guide, exh. | | 2-1/16" | |
| | 44765 (B) | Inlet | 1-9/16" | 4" | 1959 Indian Hounds Arrow, 1960 & later R.E. "Hornet", "Fireball" & "Super 5" mod |
| | 44766 (B) | Exhaust | 1-3/8" | 3-31/32" | |
| | 25524 (D) | Guide, inl. | | 1-13/16" | |
| 44045 (D) | Guide, exh. | | 2-1/16" | | |
| <u>350cc Singles:</u> | 35391 (A) | Inlet | 1-1/2" | 3-25/32" | 1950-early 1955 350 "Bullet" with exh. pipe stub on cylinder head. |
| | 35392 (A) | Exhaust | 1-3/8" | 3-13/16" | |
| | 25524 (D) | Guide, I&Ex | | 1-13/16" | |
| | 40086 (A) | Inlet | 1-9/16" | 3-25/32" | Late 1955-1959 350 "Bullet." Also Ind. Woodman, '55/56. |
| | 35392 (A) | Exhaust | 1-3/8" | 3-13/16" | |
| | 25524 (D) | Guide, I&Ex | | 1-13/16" | |
| | 44765 (B) | Inlet | 1-9/16" | 4" | 1960/on 350 "Fury" also '57/59 350cc Indian Woodman & Westerner. |
| | 44766 (B) | Exhaust | 1-3/8" | 3-31/32" | |
| | 25524 (D) | Guide, I&Ex | | 1-13/16" | |

Continued.....

ENGINE VALVES & GUIDES - Cont'd:

| | Part No: | Valve: | Head Diameter | Overall Length | Model: | |
|---------------------|--------------|---------------|---------------|----------------|--|--|
| 500cc Singles: | 38094 (A) | Inlet | 1-3/4" | 3-13/16" | 1955/56 Indian "Woodsmen." Also Enfield "500 Bullet." | |
| | 38095 (A) | Exhaust | 1-5/8" | 3-13/16" | | |
| | XX3811VK (A) | 1/8" O/S Inl. | 1-7/8" | 3-13/16" | | |
| | | 25524 (D) | Guide, I & Ex | | 1-13/16" | |
| | | 42663 (B) | Inlet | 1-7/8" | 4-1/32" | 1957/59 Ind: Woods- man, '57/58 Indian "Westerner" (small cylinder head.) |
| | | 42454 (B) | Exhaust | 1-5/8" | 4" | |
| | | 25524 (D) | Guide, I & Ex | | 1-13/16" | |
| | | 43360 (B) | Inlet | 1-15/16" | 4-5/8" | 1959 Indian "West- erner, 1960-on R.E. "500 Fury" (large cylinder head.) |
| | | 43361 (B) | Exhaust | 1-5/8" | 4-9/16" | |
| | 43363 (D) | Guide, I & Ex | | 2-1/32" | | |
| 500cc Twins: | 40458 (A) | Inlet | 1-5/16" | 4-3/32" | 1955 Indian "Toma- hawk" 64mm-Bore engine. | |
| | 32545 (A) | Exhaust | 1-1/4" | 4-5/32" | | |
| | 34380 (D) | Guide, I & Ex | | 2-5/16" | | |
| | | 38664 (A) | Inlet | 1-3/8" | 4-3/32" | 1956/57 Indian "Tomahawk," 64mm- Bore engine. |
| | | 32545 (A) | Exhaust | 1-1/4" | 4-5/32" | |
| | | 34380 (D) | Guide, I & Ex | | 2-5/16" | |
| | | 42661 (B) | Inlet | 1-9/16" | 4-3/32" | 1958/59 Indian "Tomahawk," 1963 R.E. "500 Sp. Twin" 70mm-Bore engine. |
| | | 43521 (B) | Exhaust | 1-3/8" | 4-1/8" | |
| | | 42660 (D) | Guide, I & Ex | | 2-1/16" | |
| 700/750cc Twins: | 41221 (A) | Inlet | 1-9/16" | 3-15/16" | 1955/57 Indian "Trailblazer." | |
| | 39529 (A) | Exhaust | 1-3/8" | 3-31/32" | | |
| | 38638 (D) | Guide, I & Ex | | 2-1/16" | | |
| | | 42661 (B) | Inlet | 1-9/16" | 4-3/32" | 1957 Indian "Apache" 1958-on Indian & Enfield 700cc Twins 1963-750cc Twins. |
| | | 43521 (B) | Exhaust | 1-3/8" | 4-1/8" | |
| | | 42660 (D) | Guide, I & Ex | | 2-1/16" | |

Service Department