

HOMOLOGERINGS DOKUMENT

Homologeringen er gyldig fra 01.01.2025 -

1. Generell info/ General**101. PRODUSENT/MANUFACTURER**HONDA CF150**3. Motor Engine****307. SYLINDER KAPASITET/ MAXIMUM CYLINDER CAPACITY**

a) Unitaire <i>Unitary</i>	149.68	cm3
b) Total	149.68	cm3

309. MINIMUM VEKT PÅ MOTOR/ MINIMUM WEIGHT

a) Vekt som beskrevet i homologeringsdokumentet som på bildene	20.2	kg
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314. BORRING/BORE

66.04	+0 - 0.1 mm
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316. SLAGLENGDE/STROKE

43.7	+0 - 0.1 mm
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C1-1) Demontert motor -sett forfra
Dismounted engine – seen from the front



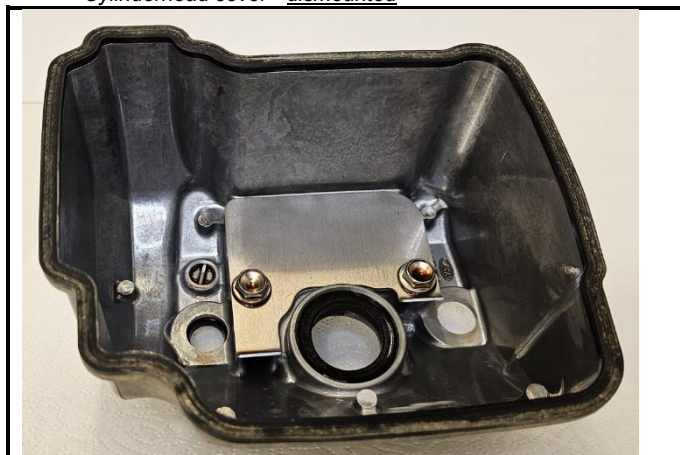
C1-2) Demontert motor – sett fra siden
Dismounted engine – seen from the side



C1-3) Toppdeksel - demontert
Cylinderhead cover - dismounted



C1-4) Toppdeksel- demontert
Cylinderhead cover - dismounted



311. SYLINDERBLOKK MED GIRKASSE

a) Materiale Stål

Stål/ Steel

C3-1) Sylinderblokk sett ovenfra

Bare cylinder block seen from above



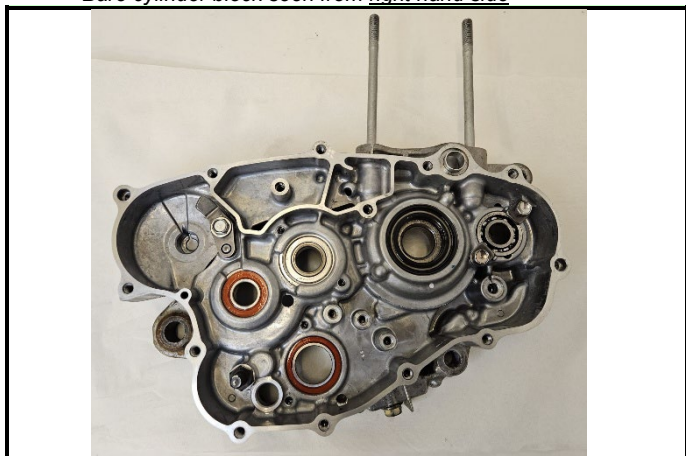
C3-2) Sylinderblokk sett bakfra

Bare cylinder block seen from rear



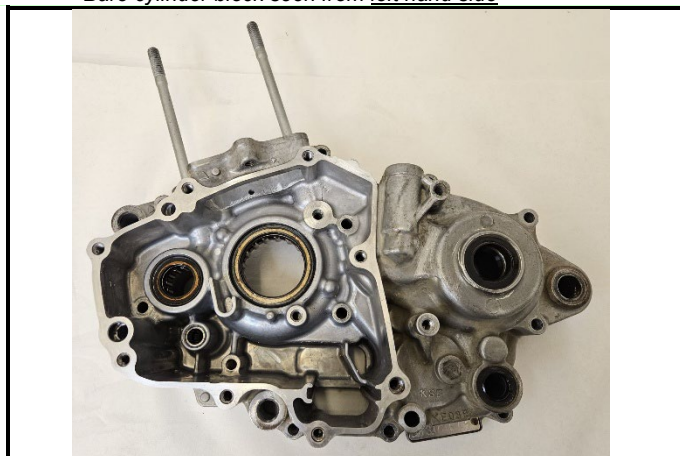
C3-3) Sylinderblokk sett fra høyre side

Bare cylinder block seen from right hand side



C3-4) Sylinderblokk sett fra venstre side

Bare cylinder block seen from left hand side



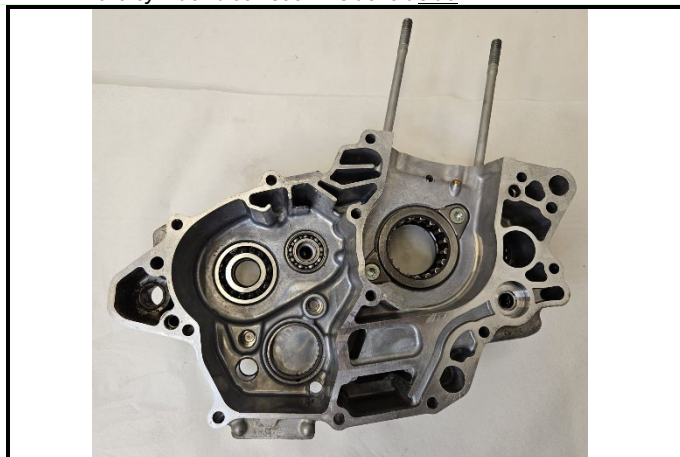
C3-5) Sylinderblokk sett fra eksossiden

Bare cylinder block seen from exhaust side

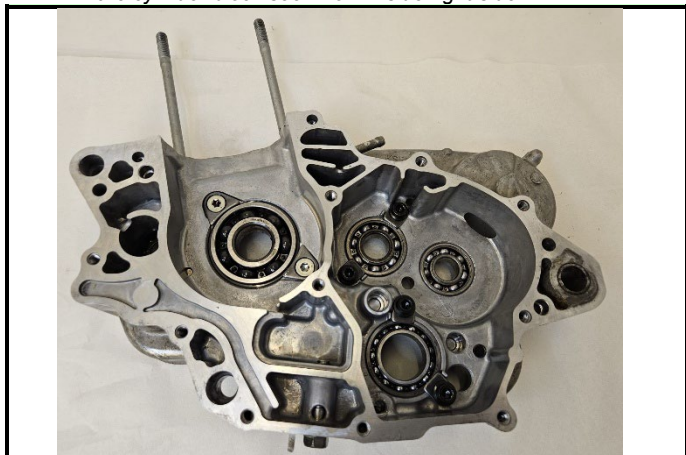


C3-6) Sylinderblokk sett fra innsiden venstre side

Bare cylinder block seen inside left side



C3-7) Sylinderblokk sett fra innsiden høyre side
Bare cylinder block seen from inside right side



C3-8) Serienummer på motorblokk
Serial number on engine block



307. BALANSEAKSEL SYSTEM

a) Balanseakselens materiale
Balancing shafts material

Steel

b) Balanseakselens vekt
Balancing shafts weight

183

+/- 5 g

C3-9) Balanseaksel demontert
Balancing shafts - dismantled



C3-10) Balanseaksel demontert
Balancing shafts - dismantled



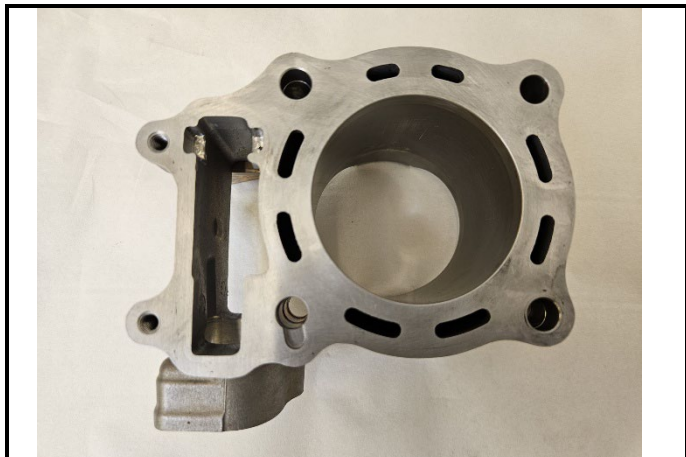
311 B. SYLINDER UTSKIFTBAR

a) Materiale

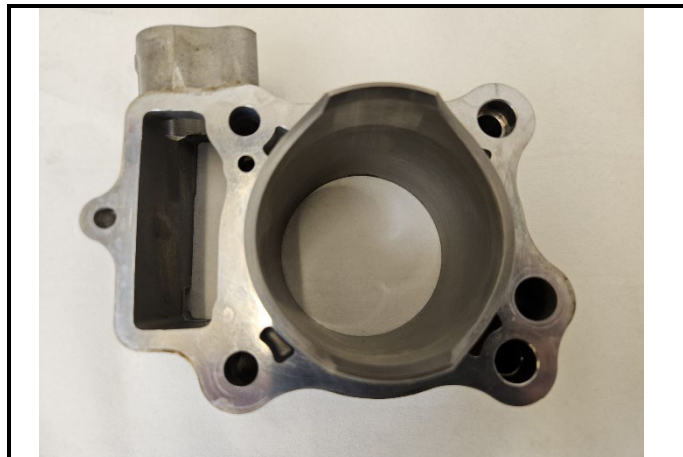
Nikasil

C3-11 Sylinderblokk sett ovenfra
Bare cylinder block seen from above

C3-12 Sylinderblokk sett unnenfra
Bare cylinder block seen from underneath



C3-13 Sylindrblokk sett fra siden
Bare cylinder block seen from side



C3-14 Sylindrblokk sett fra siden
Bare cylinder block seen from side



C3-15 Sylindrblokk sett fra eksossiden
Bare cylinder block seen from exhaust side



C3-16 Sylindrblokk sett fra innsugsiden
Bare cylinder block seen from intake side



C311b Sylinder høyde
B

C3- N/A

Sylinder høyde målt fra toppakningens flate til
bunnpakningens flate:

Minimum høyde 51.00mm

N/A

311c SYLINDER BUNNPAKNING

a) Bunnpakning sylinder materiale
Crankcase cylinder gasket material

b) Bunnpakning tykkelse
Balancing shafts weight

0.35

±0.05 mm

C3-17 Bunnpakning sylinder- demontert
Crankcase cylinder gasket - dismantled

C3-18 N/A



N/A

312. MINIMUM HØYDE PÅ SYLINDERBLOKK / MIN. HEIGHT OF THE CYLINDER BLOCK

		III-C1) Høyde / Height measurement
a) Mellom bunn-og toppakningsflate <i>Between sump and head gasket planes</i>	mm	N/A
b) Mellom veivakselens seterlinje og toppakningsflate <i>Between crankshaft centreline and head gasket plane</i>	mm	

313. CHEMISES / SLEEVES

	Ja / Yes	Nei / No	C3-8) Sylinder demontert (Original) <i>Sleeve dismounted (Original)</i>
a) Sylinder <i>Sleeved cylinder block</i>	☐	☒	
b) Materiale <i>Material</i>			
c) Type <i>Type</i>	Bløtt Wet ☐	Tørt Dry ☐	N/A

C3-9) Sylinder demontert (Réparation) <i>Sleeve dismounted (Repair)</i>
N/A

317. STEMPEL / PISTON

- | | | |
|---|---------------------|---|
| a) Materiale
Material | Aluminium | |
| b) Antall stempelringer
Number of rings | 2 | b1) Tykkelse på stempelringer
Thickness of rings 0,8-1,5 + 0.1
-0.05 mm |
| c) Minimum vekt
Minimum weight | 129.69 | g
<u>Med stempelbolt, lager, klips og stempelringer</u>
<u>With pin, bearing, clips and rings</u> |
| d1) Maksimal høyde stempel
Maximum compression height | 20.50 / 23.7 | mm |

C4-1) Stempel fra ¾ av toppen
Piston from ¾ top



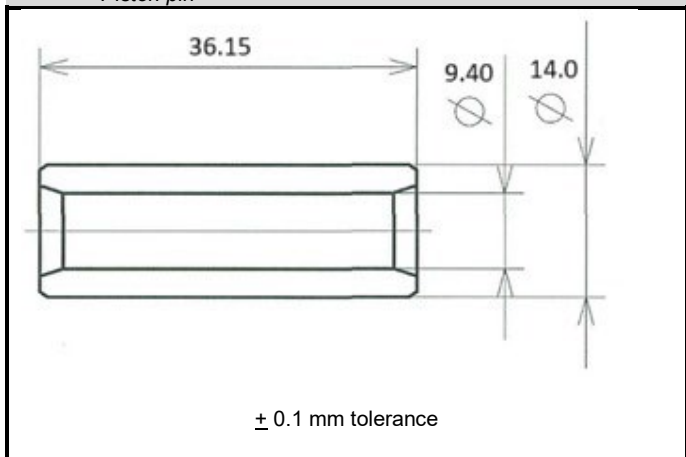
C4-2) Stempel fra ¾ av bunn
Piston from ¾ bottom



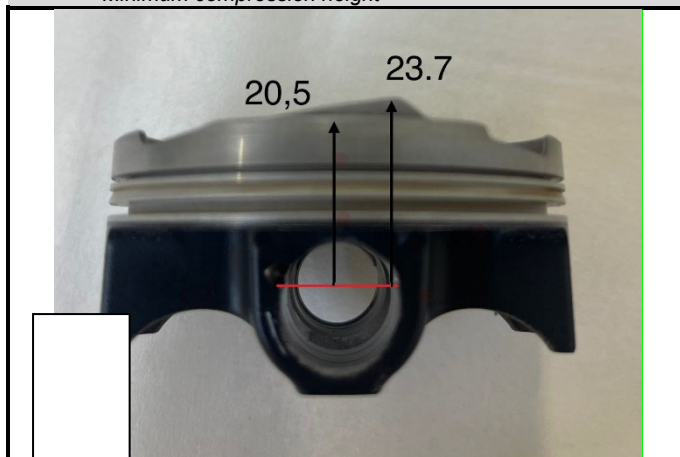
C4-3) Stempel ringe
Piston rings



III-D1) Stempelbolt
Piston pin



III-D2) Minimum høyde kompresjon
Minimum compression height



318. RÅDE / CONNECTING ROD

- a) Materiale
Material **Steel**
- c) Innerdiameter store enden (uten lagerskåler)
Interior diameter of the big end (without shell bearings)
- d) Lengde mellom aksene
Length between axes **N/A** ± 0.1 mm

- b) Type arm
Big end type **Ikke delt rådearm**
- N/A** $+0.1$
 -0 mm
- e) Minimum vekt
Minimum weight **1903** g

C5-1) Råde sett $\frac{3}{4}$ fra store enden
Connecting rod from $\frac{3}{4}$ on big end side



C5-2) Råde sett $\frac{3}{4}$ fra den lille enden
Connecting rod from $\frac{3}{4}$ rear on small end side



319. VEIVAKSEL / CRANKSHAFT

- a) Type veivaksel/produksjonstype
Type of manufacture **9 deler sammensatt**
- c) Type veivaksel produksjon
Manufacturing process **Støpt** ☐
- f) Diameter på hovedakselstapp
Diameter of main journals **21.95**
- g) Lagerbukk materiale
Bearing caps material **N/A**
- h) Minimumsvekt på veivaksel
Minimum weight of bare crankshaft **1903 g**
- i) Diameter på veivtapp
Diameter of crank pins **N/A**

- b) Materiale
Material **Steel**
- Smid** ☒ **Maskinert fra heldel** ☐
Forged **Machined from raw**
- $+0.05$ mm
 -0.05 mm
- g
- $+0$
 -0.1 mm

C6-1) Veivaksel sett $\frac{3}{4}$ forfra
Crankshaft from $\frac{3}{4}$ front



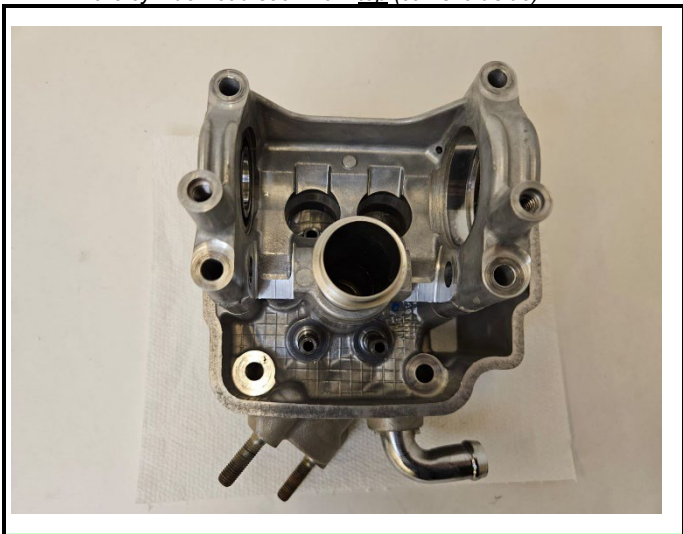
C6-2) Veivaksel sett $\frac{3}{4}$ bakfra
Crankshaft from $\frac{3}{4}$ rear



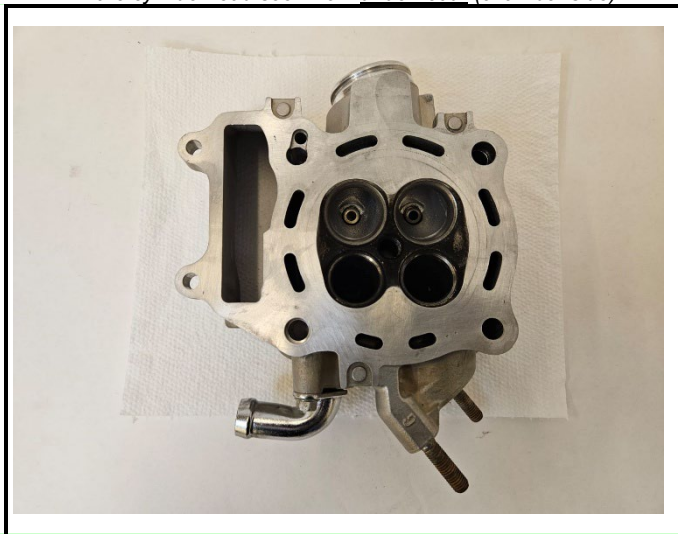
321. TOPPLOKK / CYLINDERHEAD

b) Materiale Material	Aluminium		
c) Minimum høyde Minimum height	60.86	mm	
d) Målt fra hvor Where measured	Toppdeksleits annlegsflate til topplokkets flate mot sylinder		
g) Minimum volum på forbrenningskammer Minimum volume of a combustion chamber and exhaust valve	14,00	cm3	(Ifra. Stempel og toppakning) Incl. Piston and Cyl. Head Gasket)

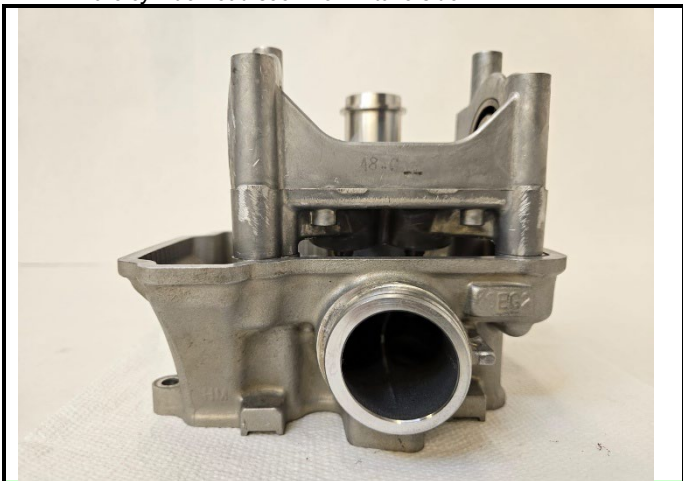
C8-1) Topplukk sett ovenfra (kamakselside)
Bare cylinderhead seen from top (camshaft side)



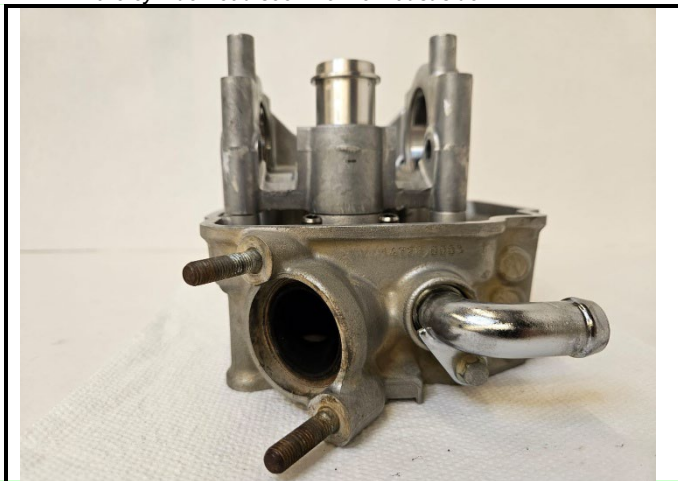
C8-2) Topplukk sett underfra (forbrenningskammer side)
Bare cylinderhead seen from underneath (chamber side)



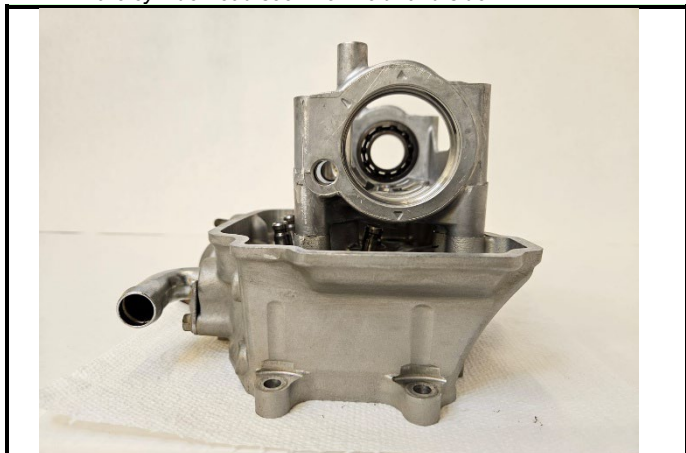
C8-3) Topplukk sett fra insuggssiden
Bare cylinderhead seen from intake side



C8-4) Topplukk sett fra eksossiden
Bare cylinderhead seen from exhaust side



C8-5) Topplukk sett fra venstre side
Bare cylinderhead seen from left hand side



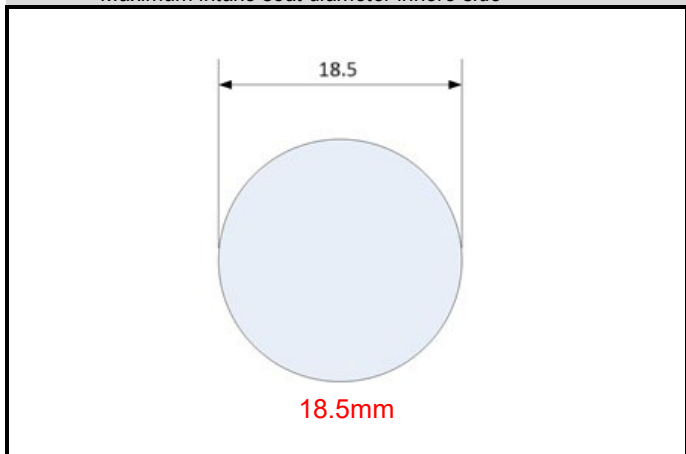
C8-6) Topplukk sett fra høyre
Bare cylinderhead seen from right hand side



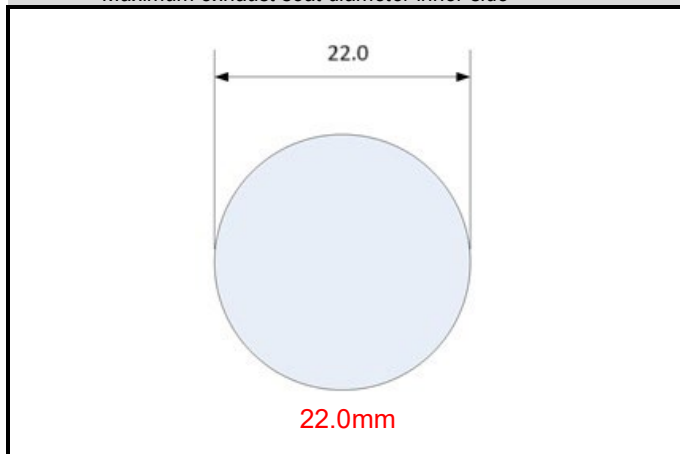
C8-7) Kompresjonskammer
Combustion chamber



III-E1) Maksimum diameter på insugsventilens sete innvendig
Maximum intake seat diameter innere side



III-E2) Maksimum diameter på eksosventilens sete innvendig
Maximum exhaust seat diameter inner side

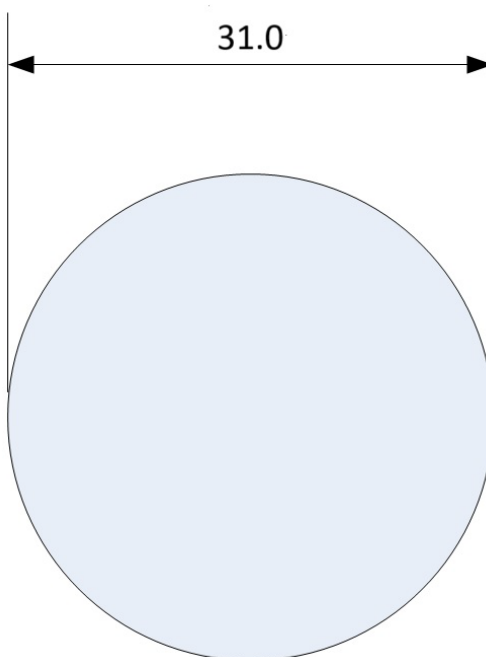


INNSUG / INTAKE

Tegninger av topplokkets innsugsporter – toleranser på dimensjoner : $-2/+4$ %

Drawings of cylinder head ports - tolerances on dimensions : $-2/+4$ %

III-K1) Topplukk manifoid side / Cylinderhead, manifold side

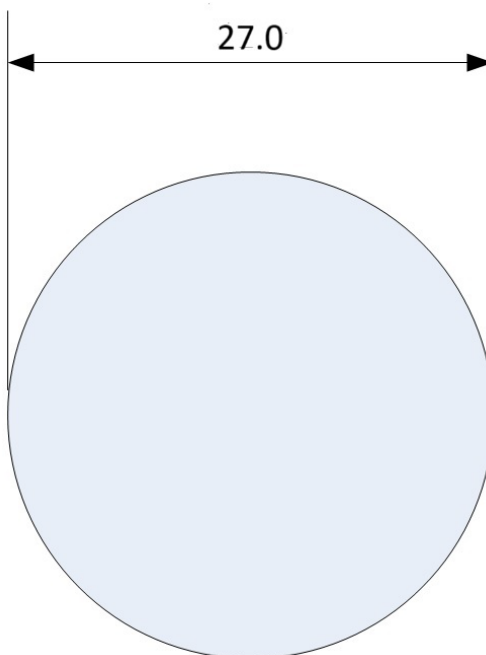


EKSOS / EXHAUST

Tegning av topplokkets eksosporter – toleranse på dimensjoner : $-2/+4$ %

Drawings of cylinder head ports - tolerances on dimensions : $-2/+4$ %

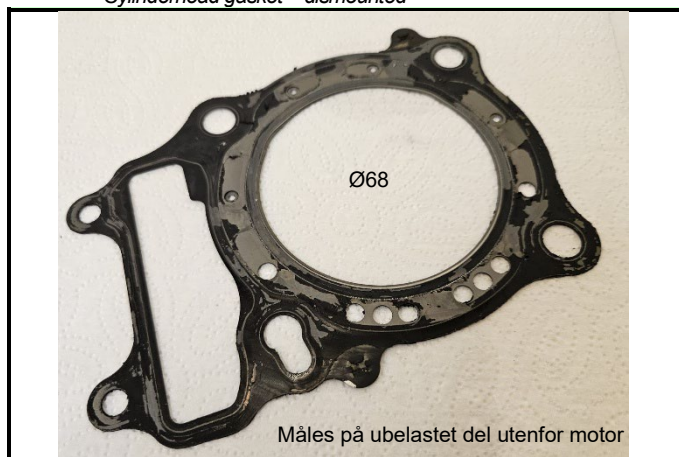
III-L1) Topplukk eksos side / Cylinderhead, manifold side



322. TOPPAKNING / CYLINDERHEAD GASKET

- a) Tykkelse på en tiltrukket toppakning
Thickness of tightened cylinderhead gasket **0.50mm** $\pm 0.1 \text{ mm}$
- b) Pakningens volum ved beregning
Gasket volum on calculation **1,815 ccm**

C8-14) Toppakning – demontert
Cylinderhead gasket – dismounted



323. DRIVSTOFFTILFØRSEL FORGASSER / FUEL FEED CARBURETTOR

- a) Forgasse type størrelse
Carburettor type and size **Stempelforgasser 32 mm**
- b) Forgasse betegnelser
Carburettor markings **FCR08 (A,B,D)**

C9-1) Forgasser sett fra høyre side
Carburettor right side



C9-2) Forgasser sett fra venstre side
Carburettor left side



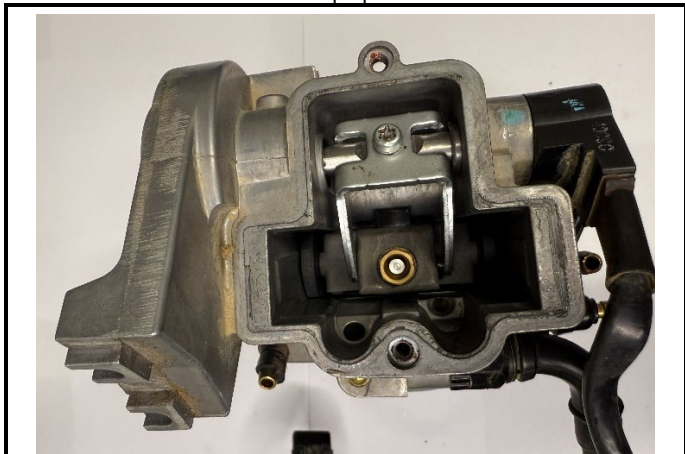
C9-1) Forgasser sett fra motorsiden
Carburettor from airbox



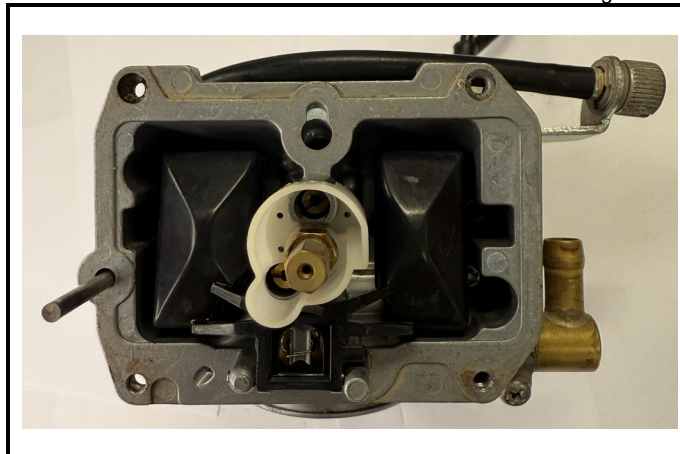
C9-2) Forgasser sett fra luftfiltersiden
Carburettor from engine side



C9-1) Forgasser sett fra toppen uten deksel
Carburettor seen from top opened



C9-2) Forgasser sett fra bunn uten flotørhus
Carburetor seen from the bottom without float housing



323 DRIVSTOFFTILFØRSEL FORGASSER / FUEL FEED CARBURETTOR

d) Forgasser diameter
Carburettor diameter

Målt 16,5mm fra luftfilterside $\varnothing 33,7 \pm 0.1$ mm

Målt 0,0mm fra luftfilterside $\varnothing 35 \pm 0.1$ mm

e) Forgasser diameter
Carburettor diameter

Målt 0 mm fra motorside $\varnothing 32,8 \pm 0.1$ mm

f) Forgasser stempeldiameter
Carburettor butterfly valve size

$\varnothing 32.0 \pm 0.1$ mm

324. MOTORSTYRING SYSTEM / ENGINE CONTROL SYSTEM

a) Merke og type <i>Make and type</i>	Denso	Direkte - Direct ☐	Indirekte - Indirect ☒
c) Bensinsystem <i>Fuel measurement</i>	Mekanisk / <i>Mechanical</i> ☒	Elektronikk / <i>Electronic</i> ☐	Hydraulisk / <i>Hydraulic</i> ☐
e) Antall drivstoffuttak i bruk <i>Number of effective fuel outlets</i>	N/A		
f) Dyser <i>Injectors</i>	f1) Posisjon <i>Position</i>	Manifoild / <i>Manifold</i> ☐	Topplukk / <i>Cylinder head</i> ☐
		Kamber <i>Chamber</i> ☐	Forkamber <i>Pre Chamber</i> ☐

g) Liste av sensorer for motorstyringen
List of engine control system sensors

N°	Number	Function	Merke og referanse- Make & Reference
C1		NEUTRAL POSITION	FREE
C2		GASSPJELDPOSISJON	Honda 16060-KSE-671 (resistanse ved 20 C – 4-6kOhm)
C3		LUFTTEMP/ AIR TEMP	OEM
C4		TURTALL/ENGINE SPEED	Diameter krage 6.9mm
C4 alt		TURTALL/ENGINE SPEED	Parts nr 16060-KSE-671
C6			
C7			
C8			
C9			

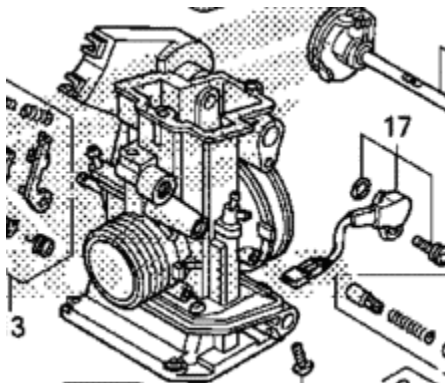
h) Liste av aktuatorer for motorstyringen
List of engine control system actuators

N°	Number	Function	Merke og referanse- Make & Reference
A1		MOTORSTYRINGSENHET	REF.071000-4060
A2		COIL	Parts nr 30700-KSE-003

C9-1) Motorstyringssystem
Engine control system

			
C1	C2	C3	C4
			Diameter på krage C4 6.9mm.
C4 ALT	C6	C7	
C9	C10	C11	C12
C13	C14	C15	C16
			
A1	A2	A3	A4
A5	A6	A7	A8

III-II) POSISJON PÅ SENSORER OG AKTUATORER / LOCATION OF SENSORS AND ACTUATORS



C2

Sensors not located on Engine	
C3	Airfilter housing

325. KAMAKSEL / CAMSHAFT

c) Drivsystem
Drive system

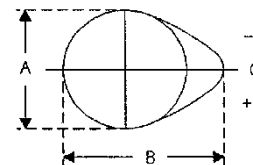
Metall kjede

e) Diameter på akseltappen
Diameter of journals

47.0 / 20.0 ± 0.1 mm

g) Kamdimmensjon
Cam dimensions

	Admission Intake	Echappement Exhaust
A =	26.00 ± 0.1 mm	25.30 ± 0.1 mm
B =	34.13 ± 0.1 mm	29.80 ± 0.1 mm



Toleransene må brukes med samme fortegn for A og B

The tolerances must be used with the same sign for A and B

h) Minimumsvekt
Minimum weight

0.415 kg

Kun 1 kamaksel

326. DISTRIBUTION / TIMING

a) Teoretisk klaring
Theoretical clearance

Innsug
Intake

0.16

mm

Eksos
Exhaust

0.26

mm

b) Kamaksel timing mot TDC

Innsug
Intake

110

± 2°

Eksos
Exhaust

98

± 2°

c) Kamakseløft (demontert aksel)
Cam lift in mm (dismounted camshaft)

Målt med 3mm endeball

Measured with a 3mm diameter ball

INNSUG / INTAKE				EKSOS / EXHAUST			
Rotasjons vinkel Rotation angle in degrees	Løft i mm Lift in mm (± 0.05 mm)	Rotasjons vinkel Rotation angle in degrees	Løft i mm Lift in mm (± 0.05 mm)	Rotasjons vinkel Rotation angle in degrees	Løft i mm Lift in mm (± 0.05 mm)	Rotasjons vinkel Rotation angle in degrees	Løft i mm Lift in mm (± 0.05 mm)
0	8.18			0	4.85		
- 5	8.00	+ 5	8.00	- 5	4.80	+ 5	4.83
- 10	7.49	+ 10	7.51	- 10	4.70	+ 10	4.75
- 15	6.62	+ 15	7.68	- 15	4.53	+ 15	4.59
- 20	5.56	+ 20	7.74	- 20	4.30	+ 20	4.37
- 25	4.57	+ 25	4.79	- 25	3.98	+ 25	4.10
- 30	3.60	+ 30	3.97	- 30	3.62	+ 30	3.76
- 35	2.80	+ 35	3.09	- 35	3.20	+ 35	3.36
- 40	2.13	+ 40	2.41	- 40	2.74	+ 40	2.91
- 45	1.55	+ 45	1.84	- 45	2.26	+ 45	2.45
- 50	1.09	+ 50	1.34	- 50	1.77	+ 50	1.95
- 55	0.72	+ 55	0.97	- 55	1.32	+ 55	1.50
- 60	0.48	+ 60	0.68	- 60	0.92	+ 60	1.08
- 65	0.30	+ 65	0.47	- 65	0.60	+ 65	0.74
- 70	0.23	+ 70	0.34	- 70	0.38	+ 70	0.49
- 75	0.17	+ 75	0.27	- 75	0.25	+ 75	0.36
- 80	0.12	+ 80	0.20	- 80	0.20	+ 80	0.31
- 85	0.07	+ 85	0.14	- 85	0.16	+ 85	0.27
- 90	0.02	+ 90	0.08	- 90	0.12	+ 90	0.24

En differanse på +/- 2 grader på alle målinger er akseptert / + = Samme rotasjonsretning som motoren
A shift of +/- 2 degrees of the whole measurement is accepted / + = Same rotation direction as engine

c) Maksimum ventilløft
Maximum valve lift

Innsug
Intake

8.34

Eksos
Exhaust

7.16

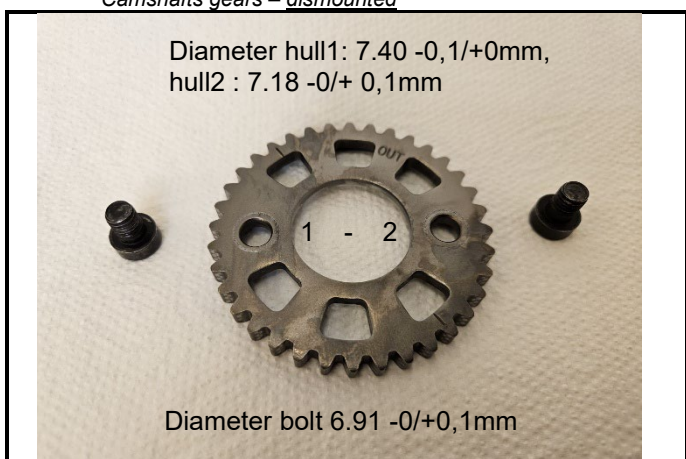
Med klaring iht produsent
with clearance according to producer

C10-1) Kamaksel- demontert
Camshaft - dismounted

C10-2) Kamaksel- demontert
Camshaft - dismounted



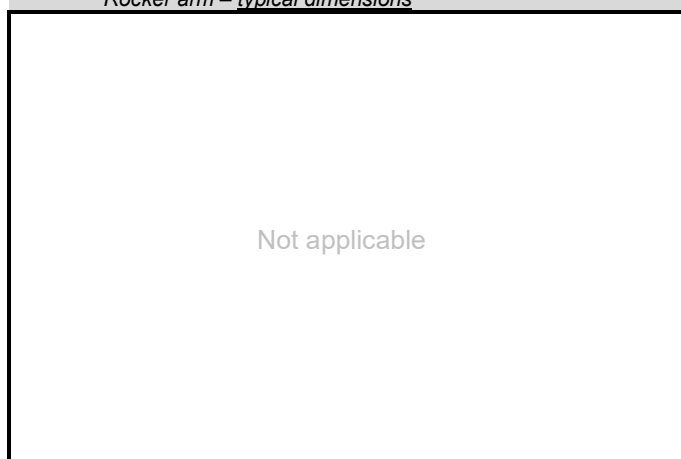
C10-5) Kammakselhjul - demontert
Camshafts gears – dismantled



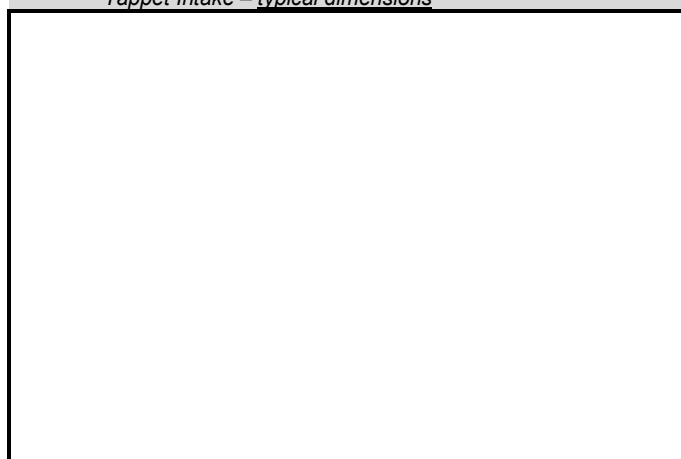
C10-6) Ventilløfter eller trykker innsug – demontert
Tappet Intake – dismantled



III-J2) Vippearms - dimensjoner
Rocker arm – typical dimensions



III-J3) Ventilløfter eller trykker innsug - dimensjoner
Tappet Intake – typical dimensions



C10-7) Ventiløfter eller trykker eksos – demontert
Tappet Exhaust – dismounted



III-J4) Ventiløfter eller trykker eksos – dimensjon
Tappet Exhaust – typical dimensions

Aksel diameter : 9.95 +0,05mm
Aksel vekt minimum 21 gram
Vippe arm vekt minimum 56 gram
Ruller diameter 16.96 mm $\pm$ 0,02

C10-8) Ventilfjær innsug
Intake valve spring



8 hele vindinger
+ ender

C10-9) Ventilfjær eksos
Exhaust valve spring



9 hele vindinger
+ ender

- d) Ventilfjær innsug lengde ubelastet
Intake valve spring free length **37.9** $\pm$ 1 mm
- e) Ventilfjær innsug lengde belastet 200 Nm
Intake valve spring length under 200 Nm **32.30** $\pm$ 1 mm
- g) Ventilfjær innsug diameter.
Intake valve spring wire diameter **2.95** $\pm$ 0.1 mm

- d) Ventilfjær eksos lengde ubelastet
Exhaust valve spring free length **44.5** $\pm$ 1 mm
- f) Ventilfjær eksos lengde belastet 200 Nm
Exhaust valve spring length under 200 Nm **39.70** $\pm$ 1 mm
- h) Ventilfjær eksos diameter.
Exhaust valve spring wire diameter **3.25** $\pm$ 0.1 mm

C10-10) Register reim, kjede eller tannhjul- demontert
Timing belt, chain or gears – dismounted



Type / Type : **Silent Chain**

Pitch / Pitch : **6.35** $\pm$ 0.1 mm

Ant. Tenner / Nb of teeth : **48**

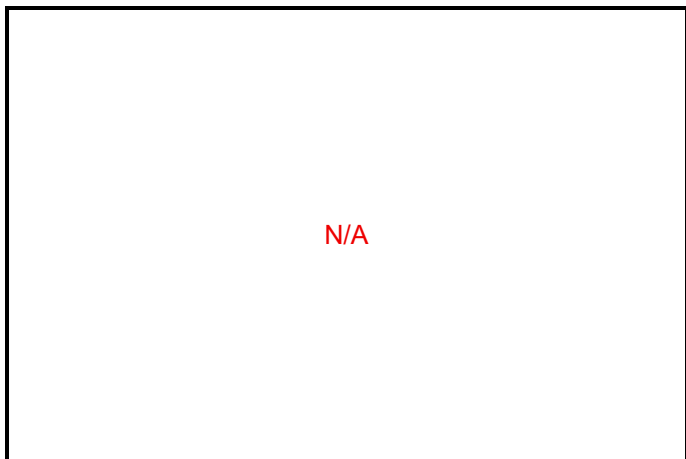
Lengde / Length : **608** $\pm$ 2 mm (exterieur/outside)

Bredde / Width : **8.84** $\pm$ 0.1 mm

327. INNSUG / INTAKE

a) Materialet av traktene <i>Material of trumpets</i>	N/A				
b) Dimensjon av innsugsrøret ved gasspjeldet <i>Dimensions of the intake pipe at the throttle valve</i>	33.30mm	+0.1 / -0.2 mm			
c) Avstand mellom gasspjeld og topplokk <i>Distance between throttle valve and head</i>	32 mm	± 2 mm			
d) Maximum diameter på ventil <i>Maximum diameter of the valve head</i>	26 mm	± 0.1 mm	d1) Vinkel på ventiltoppen <i>Angle of valve head</i>	45	deg ± 30 min
e) Diameter på ventilstammen <i>Diameter of valve stem</i>	4.4mm	+0 -0.2 mm	f) Lengde på ventilen <i>Valve length</i>	78	± 1.5 mm
g) Materialet på ventilen <i>Valve material</i>	Stål		h) Min vekt ventil <i>Min valve weight</i>	19.4	g
i) Fjærplate materiale <i>Spring plate material</i>	Stål		j) Minimum vekt på fjærplate <i>Min spring plate weight</i>	4.85	g

C11-1) Luftfilterboks- demontert
Airbox - dismounted



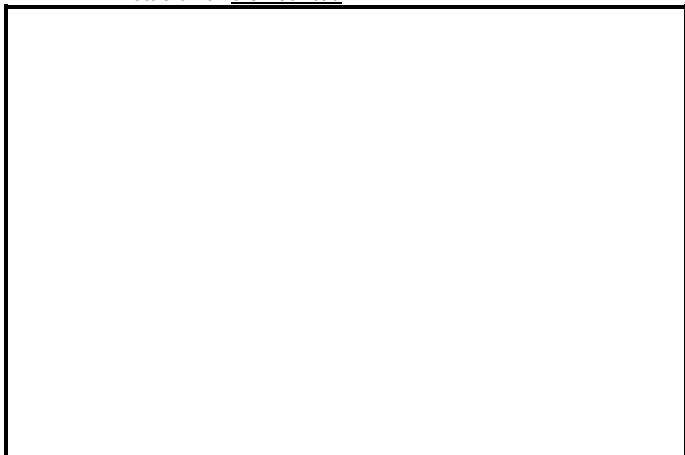
C11-2) Luftfilterboks- demontert
Airbox - dismounted



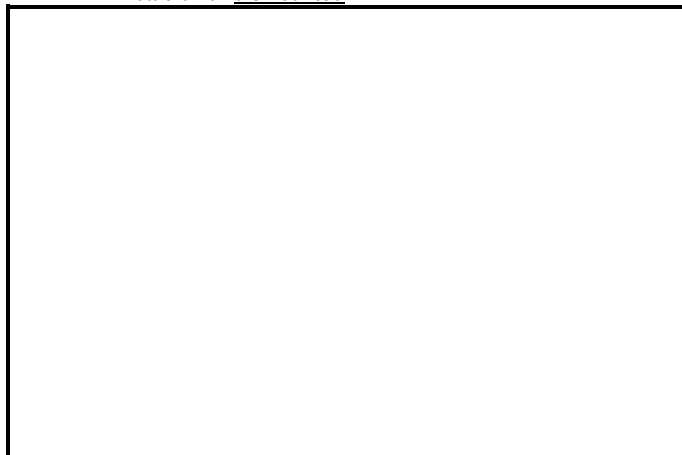
C11-3) Luftfilterboks- montert
Airbox – assembled



C11-3) Gasspjeld enhet- demontert
Throttle unit - dismounted



C11-4) Gasspjeld enhet- demontert
Throttle unit - dismounted



C11-5) Innsugsventil - demontert
Intake valve - dismounted



C11-6) Fjærplate innsugsventil bunn- demontert
Intake spring plate - dismounted



328. EKSOS / EXHAUST

a) Materiale for eksos <i>Material of exhaust</i>	N/A				
c) ;Minimum rør tykkelse <i>Minimum thickness of tubes</i>	N/A	mm			
d) Max Diameter på eksosventil <i>Maximum diameter of the valve</i>	22.5	± 0.1 mm	d1)Vinkel på ventilen i topplokket <i>Angle of valve head</i>	45	deg ± 30 min
e) Duameter på ventilstamme <i>Diameter of valve stem</i>	4.4	+0 -0.2 mm	f) Ventil lengde <i>Valve length</i>	80	± 1.5 mm
g) Ventil materiale <i>Valve material</i>	Inox/ Steel		h) Min vekt ventil <i>Min valve weight</i>	17.4	g
i) Fjærplate materiale <i>Spring plate material</i>	Steel		j) Min vekt fjærplate <i>Min spring plate weight</i>	4.85	g

C12-1) Eksos ventil - demontert
Exhaust valve - dismounted



C12-2) Fjærplate eksosventil - demontert
Exhaust spring plate - dismounted



EKSOS / EXHAUST

Tegning av komplett eksosanlegg
Drawing of the complete exhaust

III-L1) Eksosanlegg / Exhaust

All dimensions in mm

All diameters are internal diameters

LYDDEMPER / SILENCER

Tegning av komplett lyddemper
Drawing of the complete silencer

III-L3) Lyddemper / Silencer

All dimensions in mm

All diameters are internal diameters

SECTION OF SILENCER

331. KJØLESYSTEM / COOLING SYSTEM

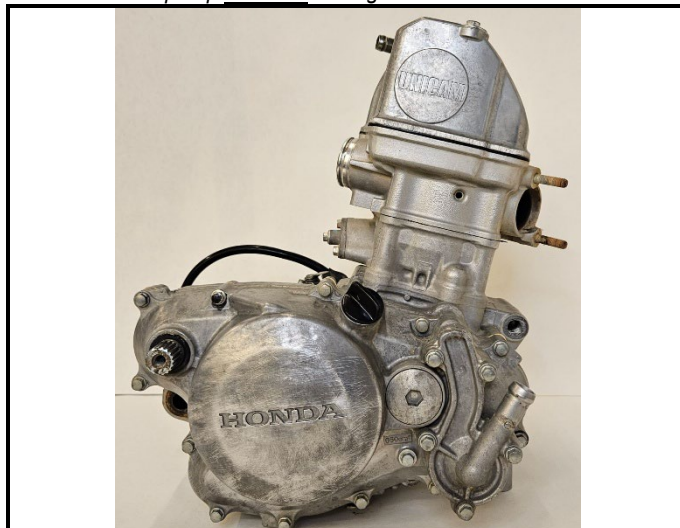
- c) Vannpumpe type
Origin of the water pump

Mekanisk

C13-3) Vannpumpe - demontert
Water pump - dismounted



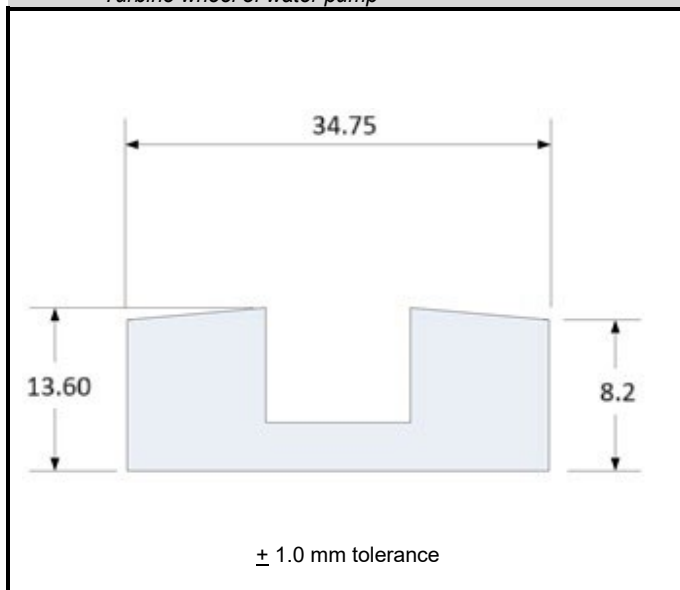
C13-4) Vannpumpe montert på motoren
Water pump mounted on engine



C13-5) Turbinhjulet på vannpumpe
Turbine wheel of water pump



III-M2) Turbinhjulet på vannpumpe
Turbine wheel of water pump

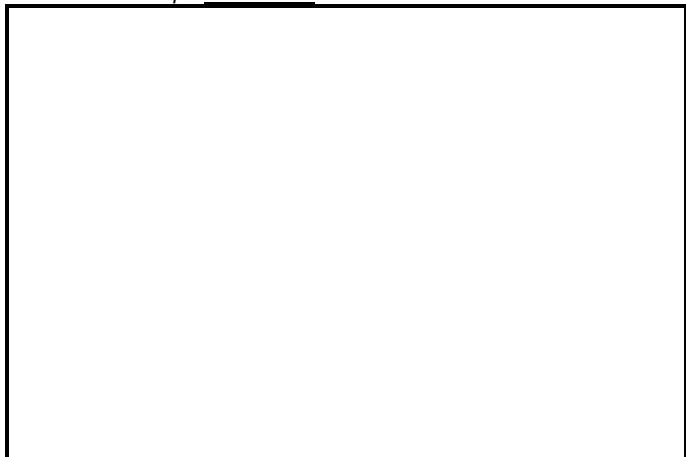


333. SMØRESYSTEM / LUBRICATION SYSTEM

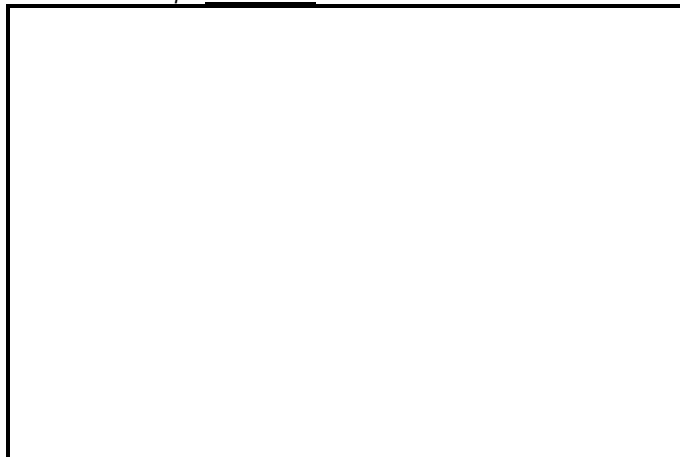
- a) Materialet på bunnpanne
Material of oil sump

N/A - Olje i blokk

C14-1) Bunnpanne - demontert
Oil sump - dismounted



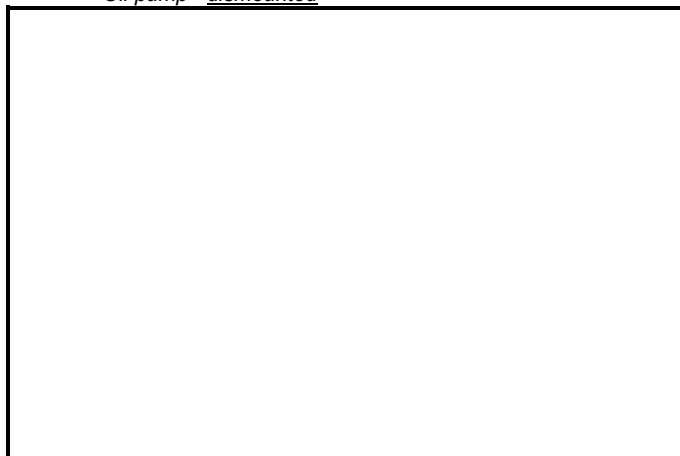
C14-2) Bunnpanne- demontert
Oil sump - dismounted



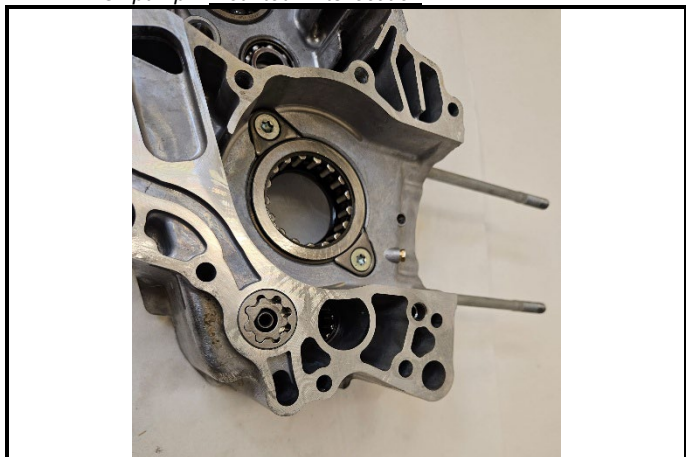
C14-3) Olje pumpe - demontert
Oil pump - dismounted



C14-3) Oljepumpe - demontert
Oil pump - dismounted



C14-4) Oljepumpe – montert på motoren
Oil pump – mounted in its location



4.DRIVSTOFFSYSTEM / FUEL**402. BENSINPUMPE / FUEL PUMP**

a) Maximum Benisstrykk
Maximum pressure

0,3 barA

5. ELEKTRISK UTSTYR / ELECTRICAL EQUIPMENT

502. DYNAMO/ GENERATOR/ STARTER - ALTERNATOR / GENERATOR / STARTER

a) Diameter på rotor utside <i>Rotor External diameter</i>	72.9	+/- 0.5 mm
b) Diameter på rotor innerside <i>Rotor Internal diameter</i>	62.7	+/- 0.5 mm 2 Forhøyninger 37.90 /5.0
c) Antall stator poler. <i>Number of Stator poles</i>	8	
d) Bredden på stator tilkoblingene <i>Width of Stator poles</i>	16.5	+/- 0.5 mm
e) Stator extern diameter <i>Stator external diameter</i>	61.0	+/- 0.5 mm
f) Stator inner diameter <i>Stator internal diameter</i>	27.6	+/- 0.5 mm

C15-1) Rotor - demontert
Rotor - dismounted



C15-2) Stator - demontert
Stator - dismounted



504. STARTER / STARTER

a) Starter referanse <i>Starter reference:</i>	Manuel	
b) Tannhjul til starter <i>Starter wheel : Teeth nb :</i>	28-24-16	
c) Bredde frihjul : <i>Free wheel width :</i>	N/A	+/- 0.5 mm

C16-1) Starter - demontert
Starter - dismounted



C16-2) Frihjul - demontert
Free Wheel - dismounted

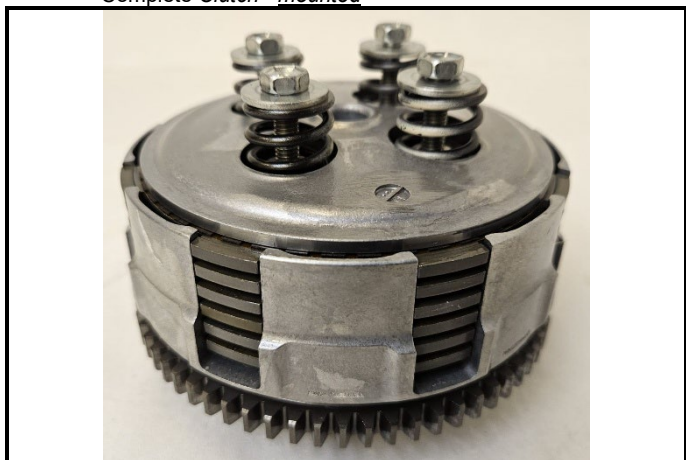


6. GIRKASSE, CLUTCH / POWER TRAIN

602. EMBRAYAGE / CLUTCH

a) Clutchenhet vekt Assembly weight		1650	g	+/- 50 g	Festet med mutter With fixing nut
b) Friksjonsdisk Driving disks	b1) Antall Number	6		b2) Tykkelse Thickness	3.0 +/- 0.5mm
c) Trykkplate disk Driven disks	c1) Antall Number	5		c2) Tykkelse Thickness	1.95 +/- 0.5mm

C17-1) Komplet Clutch - montert
Complete Clutch - mounted



C17-2) Fjærer
Spring



602 CLUTCH / CLUTCH

a) Fjærskiver
Spring washer

a1) Antall
Number

4

C17-5) Friksjons ring
Friction plate

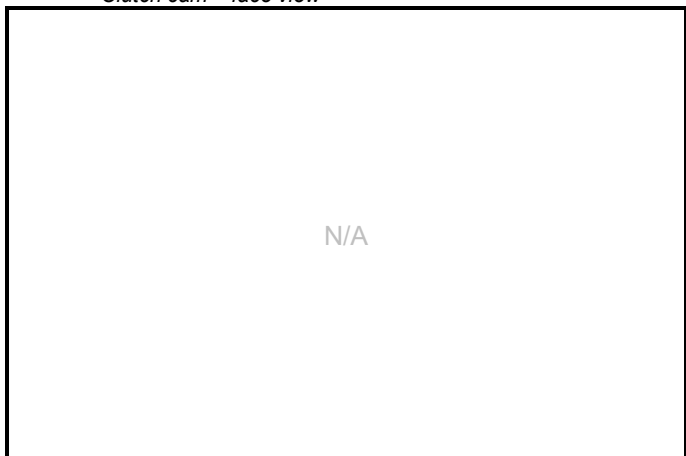


C17-6) Trykkplatering
Pressure

plate

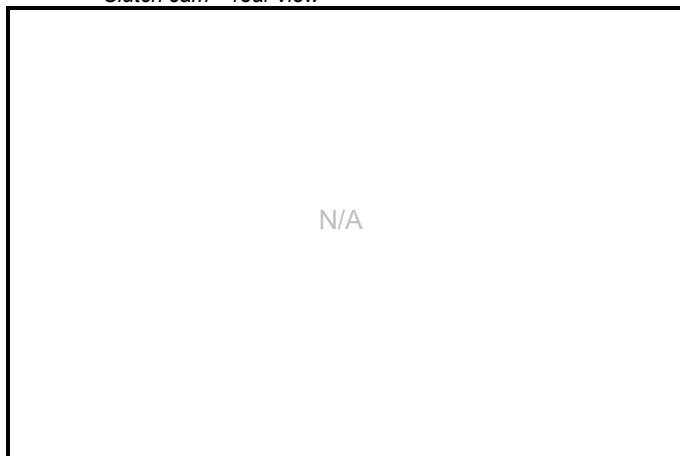


C17-7) Clutch kam – sett forfra
Clutch cam – face view



N/A

C17-8) Clutch kam - sett bakfra
Clutch cam – rear view



N/A

GIRKASSE / GEARBOX

a) Emplacement :
Location:

Motorblokk

b) Tannhjul veivaksel:
Primary ratio on crankshaft

20

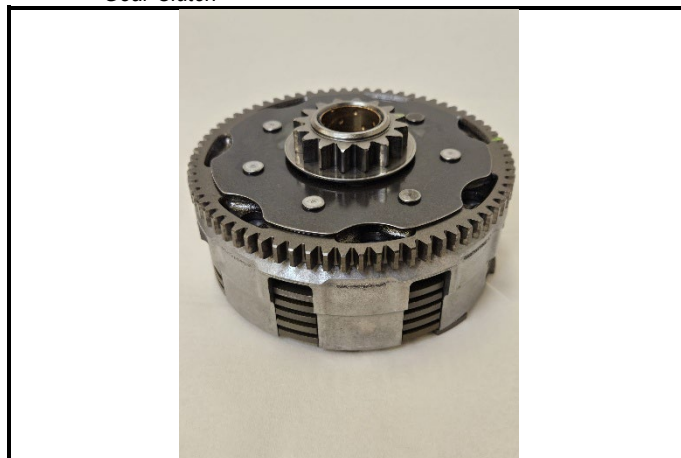
c) Tannhjul på Clutch
Primary ratio on clutch

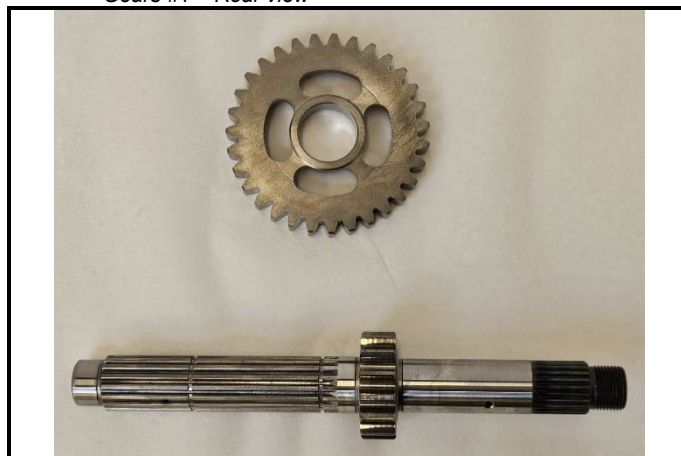
15

d) Gir utveksling
Gear ratios

	Giraksel Layshaft:	Giraksel Pinionshaft:	d) Materiau: Material:	f) Tykkelse (mm): Thicknesses (mm): ± 0.5mm	g) Vekt (g): Weight (g): ± 15 g
1	14	31	Stål / Steel	11.5 / 10.5	284 / 134
2	17	28	Stål / Steel	12.0 / 11.4	74 / 144
3	22	29	Stål / Steel	11.5 / 11.8	143 / 128
4	19	21	Stål / Steel	9.8 / 9.6	103 / 141
5	23	22	Stål / Steel	9.51 / 9.64	84 / 152
6					

F12-1) Tannhjul veivaksel
Gear Crankshaft

F12-2) Tannhjul clutch
Gear Clutch

F12-3) Tannhjul #1 – Sett forfra
Gears #1 – Front view

F12-4) Tannhjul #1 – Sett bakfra
Gears #1 – Rear view


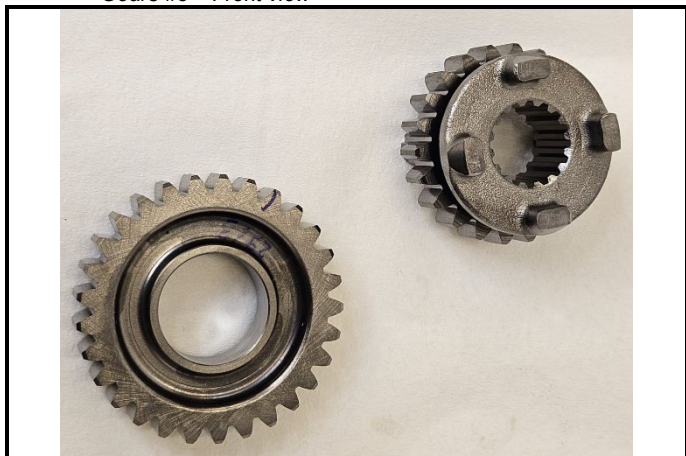
F12-5) Tannhjul #2 – Sett forfra
Gears #2 – Front view



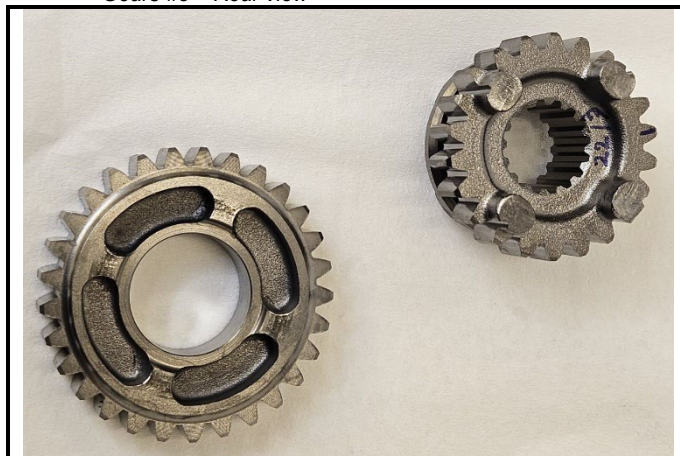
F12-6) Tannhjul #2 – Sett bakfra
Gears #2 – Rear view



F12-7) Tannhjul #3 – Sett forfra
Gears #3 – Front view



F12-8) Tannhjul #3 – Sett bakfra
Gears #3 – Rear view



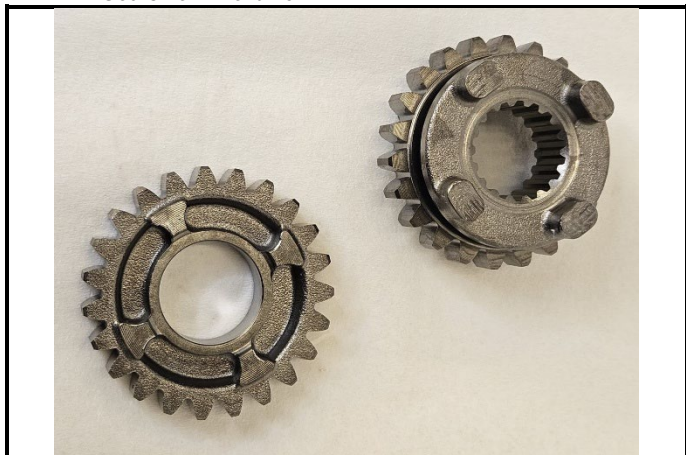
F12-9) Tannhjul #4 – Sett forfra
Gears #4 – Front view



F12-10) Tannhjul #4 – Sett bakfra
Gears #4 – Rear view



F12-11) Tannhjul #5 – Sett forfra
Gears #5 – Front view



F12-12) Tannhjul #5 – Sett bakfra
Gears #5 – Rear view



F12-13) Tannhjul #6 – Sett forfra
Gears #6 – Front view



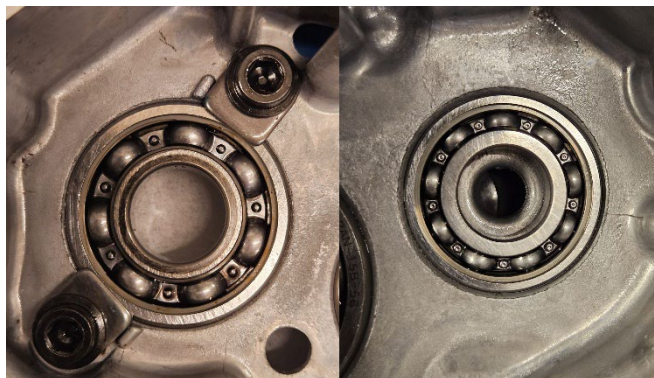
F12-14) Tannhjul #6 – Sett bakfra
Gears #6 – Rear view



604. HOVEDAKSEL LAGRING / LAYSHAFT ASSEMBLY

a) Referanse for lager <i>Reference of bearing</i>	Kulelager stål	
b) Vekt på lager <i>Weight of bearing</i>	N/A	± 10 g
c) Bredde/ yter og indre diameter lager <i>Width / External and internal diameters of bearing</i>	N/A	±0.1 mm
d) Vekt på giraksel <i>Weight of layshaft</i>	283	± 10 g
e) Materiale hovedaksel <i>Material of layshaft</i>	Stål/Steel	

F7-1) Lagring
Bearing



F7-2) Hovedaksel
Layshaft



605. ASSEMBLAGE ARBRE SECONDAIRE / PINIONSHAFT / MAINSHAFT ASSEMBLY

a) Materiale på giraksel /hovedaksel <i>Material of pinionshaft/mainshaft</i>	Stål/ Steel	
b) Vekt giraksel /hovedaksel <i>Weight of pinionshaft/mainshaft</i>	285	± 10 g
c) Referanse venstre hovedlager <i>Reference of left mainshaft bearing</i>	Honda 63/22	
d) Bredde/ytter og indre diameter på hovedlager <i>Width / External and internal diameters of mainshaft bearing</i>	N/A	± 0.1 mm
e) Vekt på venstre hovedlager <i>Weight of left mainshaft bearing</i>	N/A	± 10 g
f) Referanse høyre hovedlager <i>Reference of right mainshaft bearing</i>	Honda 18x29x14	
g) Bredde / ytter og indre diameter venstre hovedlager <i>Width / External and internal diameters of right mainshaft bearing</i>	N/A	± 0.1 mm
h) Vekt på høyre hovedlager (med clips og support) <i>Weight of right mainshaft bearing (With support and clips)</i>	N/A	± 10 g
i) Bredde/ ytter og indre diameter av utvekslings nålelager <i>Width / External and internal diameters of ratio needle bearings</i>	N/A	± 0.1 mm
j) Vekt på utvekslings nålelager <i>Weight of ratio needle bearings</i>		± 5 g
k) Materiale på holder <i>Material of the hub</i>	Metall	
l) Antall dogger/klør på hvert girdrev <i>Number of dog on each gear</i>	1:4/ 2:4/ 3:4/ 4:4/ 5:4	
m) Materiale på dogringer <i>Material of dog rings</i>	Stål integrert i girdrev	
n) Masse des anneaux de crabotage <i>Weight of clutch rings</i>	Integrert i girdrev	

F8-1) Giraksel hovedaksel
Pinionshaft / Mainshaft



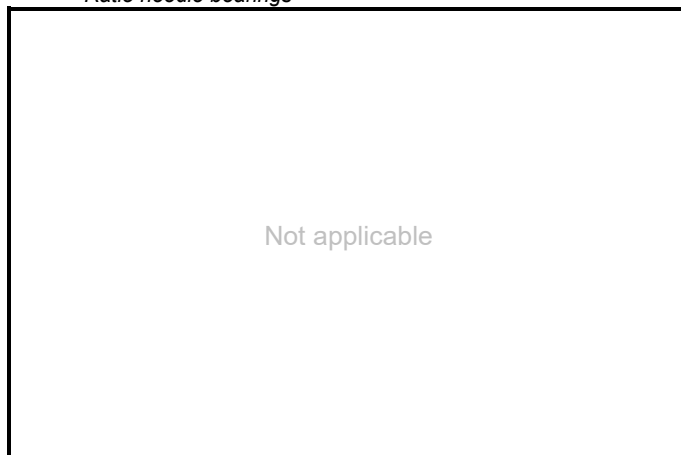
F8-2) Venstre hovedlager
Left mainshaft bearing



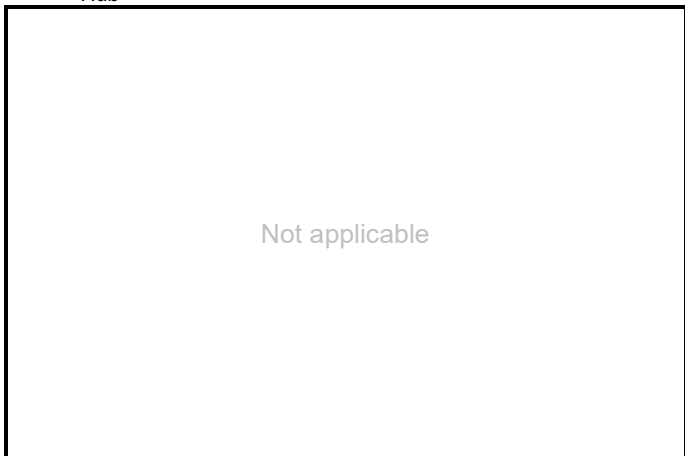
F8-3) Høyre hovedlager
Right mainshaft bearing



F8-4) Nålelager
Ratio needle bearings



F8-5) Holder
Hub



606. MECANISME DE SELECTION DES RAPPORTS / GEAR SELECTION MECHANISM

- a) Matériau des fourchettes incluant l'axe
Material of selector forks incl. axle

Stål /Steel

	#1-4	#2-5	#3	
b) Vekt på skiftegafler Weight of forks	63	65	55	± 5 g
c) Vekt på aksel for skiftegafler Weight of shaft gear shift fork	54		33	± 5 g

- d) Skifteaksel diameter
Forks axle diameter

11 ± 0.1 mm

- e1) Gaffel finger tykkelse
Forks finger thickness

5 ± 0.1 mm

- e2) Skifteaksel diameter
Forks locating pin diameter

6 ± 0.1 mm

- f1) Material på girvelger rulle
Material of selector barrel assembly

Stål /
Steel

- f2) Vekt på girvelger rulle
Weight of selector barrel assembly

361 ± 5 g

F9-1) Skiftegafler #1-4
Selector forks gear #1-4



F9-2) Skiftegafler #2-5
Selector forks #2-5



F9-3) Fourchette #3
Selector forks #3



F9-4) Axe de fouchette #1-4 / # 2-5
Fork's axle #1-4 / # 2-5



F9-5) Axe de fouchette #3
Fork's axle #3



F9-10) Assemblage du barillet
Selector barrel assembly



F9-11) Assemblage du barillet
Selector barrel assembly

