DRAWING NUMBER
337-37-107-1

EXPLANATORY NOTE :-

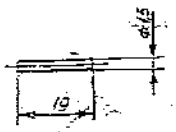
2

MATERIAL QUOTED :- WIRE II -1·5 GOST 9389-75.

CARBON STEEL COLD DRAWN WIRE, II - CATAGORY, DIA 1·5 mm WITH NORMAL ACCURACY OF TOLERANCE $^{+0.020}_{-0.015}$ TO EITHER GRADES KT-72 OR SK-7.

(a) CHEMICAL COMPOSITION :

GRADE OF STEEL	CONTENT OF ELEMENTS % C	Si	Mn	S (MAXIMUM)	P (MAXIMUM)	Cr (MAXIMUM)	Ni (MAXIMUM)	Cu (MAXIMUM)
KT-2	0.86 - 0.91	0.17 - 0.37	0.20 - 0.40	0.020	0.020	0.05	0.05	0.10
SK-7	0.68 - 0.76	0.17 - 0.37	0.50 - 0.80	0.030	0.030	0.05	0.05	0.04



1) *Technical requirements for manufacturing are as per TT-35,002-77.-*

MECHANICAL PROPERTIES :-

TENSILE STRENGTH - 180 - 205 Kgf/mm^2

No. OF BENDS (min) - 9

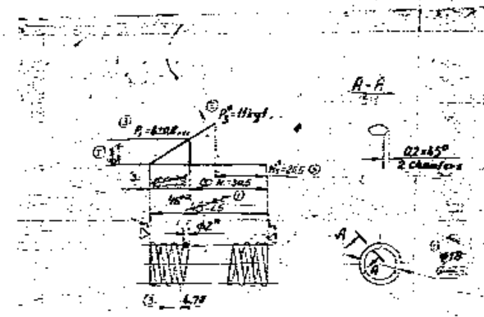
No. OF TWISTS (min) - 16

			DRN	MATERIAL :- WIRE II 1.5 GOST 9389-75	USED ON :- 20-150-37-000-1 & 5
			CHD		
			TCD		
			APPD		
PILOT SAMPLE SHOULD BE APPROVED BY A H S P BEFORE BULK PRODUCTION			DATE 17-2-87	CONTROLLERATE OF INSPECTION (HEAVY VEHICLES) AVADI	
			SCALE :- 1:1		
EST WT 0.0005Kg	TO BE STAMPED OR MARKED WHERE INDICATED THUS ⌀ (LETTERS)		DIMENSIONS IN mm		TITLE : PIN
ALL SHARP EDGES AND CORNERS TO BE REMOVED UNLESS OTHERWISE STATED MACHINED CORNERS TO HAVE R OUTSIDE R INSIDE EQUIVALENT CHAMFERS ARE PERMISSIBLE			TOLERANCE ON DIMNS UNLESS OTHERWISE STATED IS: 2102-69		
			ALL THREADS TO CONFORM TO	D S CAT NUMBER	DRAWING NUMBER 337-37-107-1

ISSUE	DATE	NATURE OF AMENDMENTS

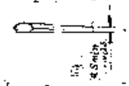
SIZE A3

337-37-109-1



Section of developed end of the turn.

Scale 5:1



1) Number of working turns $n = 9$.

2) Number of complete turns $n_1 = 11^{+0.75}_{-0.55}$

3) Coiling direction of spring is left hand

4) Total length of spring $L \approx 580$ mm *.

5) Bearing surfaces of extreme turns should be at least 0,85 of the turn circumference.

6) Non-squareness of the ground and surfaces with respect to spring axis should not exceed 0,5 over the length of spring.

7) Irregularity of pitch in free state is ± 0,4 mm

8) Clearance between compressed turns should not exceed 0,2 mm over length 43 mm ±1,0 of the turn circumf-erence

9) Carry-out technological compressions upto the length of l compressed = 73 mm

10) Zinc-plated as per instructions TH 5,037-77 Remove hydrogen embrittlement by heating in oil at temperature t = 90 to 170°C for 3 hours

11) Other technical specifications, methods of acceptance, inspection, marking, preservation, storage and packing of springs are as per OST 5.9539-72.

12) Spring is manufactured as per accuracy class 2. As to the working conditions the spring is reffered to group I.

13) Blunt sharp edges of spring ends.

14) * Dimensions and parameters are given for reference.

15) Modulus of elasticity $E^* = 21$ MPa ($2,1 \cdot 10^4$ kgf/mm²).

16) Tangential twisting stress (maximum). $T^* = 0,0596$ MPa (59,6 kgf/mm²).

17) Shear modulus $G^* = 8$ MPa ($8 \cdot 10^3$ kgf/mm²).

EXPLANATORY NOTE:-

MATERIAL QUOTED:- WIRE II -A 2 GOST 9389-75.

CARBON STEEL COLD DRAWN WIRE, II - CATAGORY, DIA 2 mm WITH HIGH ACCURACY (A) OF TOLERANCE $^{-0.020}_{-0.015}$ TO EITHER GRADES KT-72 OR SK-7.

(a) CHEMICAL COMPOSITION :

CONTENT OF ELEMENTS %								
GRADE OF STEEL	C	Si	Mn	S	P	Cr	Ni	Cu
				(MAXIMUM)				
KT-2	0,86 - 0,91	0,17 - 0,37	0,20 - 0,60	0,020	0,020	0,05	0,05	0,10
SK-7	0,68 - 0,76	0,17 - 0,37	0,50 - 0,80	0,030	0,030	0,05	0,05	0,04

MECHANICAL PROPERTIES:-

TENSILE STRENGTH - 180 - 205 Kgf/mm²

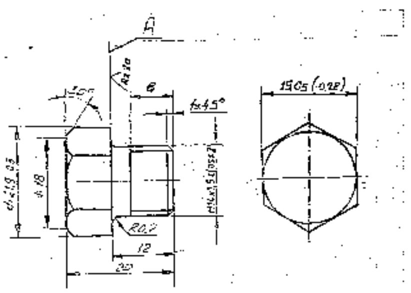
No. OF BENDS (min) - 9

No. OF TWISTS (min) - 16

PILOT SAMPLE SHOULD BE APPROVED BY A.H.S.P. BEFORE BULK PRODUCTION.

EST. WT. 0.014Kg	TO BE STAMPED OR MARKED WHERE INDICATED THUS - LETTERS		
ALL SHARP EDGES AND CORNERS TO BE REMOVED UNLESS OTHERWISE STATED MACHINED CORNERS TO HAVE A CUT-SIZE R ... EQUIVALENT CHAMFERS ARE PERMISSIBLE			
SYM.	DATE	NATURE OF AMENDMENTS	
DATE 17-02-87	SCALE 1:1	MATERIAL :- WIRE II A2 GOST 9389 75	USED ON :- 20-150-37-000-105
CONTROLLERATE OF QUALITY ASSURANCE (HEAVY VEHICLES) AVADI			
TOLERANCE ON DIMNS UNLESS OTHERWISE STATED IS 2102-69		TITLE: PISTON SPRING	
ALL THREADS TO CONFORM TO	I S CAT NUMBER	DRAWING NUMBER 337-37-109-1	

HA-01-2



1) Plug is made from steel of grade 20, 25, 30, 35, 40 GOST 1051-73, and A12, A20 GOST 1414-75.

2) Non-squareness of surface A to axis of thread should not exceed 0.1 mm, over Ø 19.

3) Coating : Chemically oxidized, oiled as per GOST 9.073-77

4) Technical requirements for manufacturing are as per TT 37302-77.

In export modification : Coating is cadmium plated, 9 microns thick, chromatized GOST 9.073-77.

EXPLANATORY NOTE :

5) MATERIAL QUOTED : HEXAGONAL BAR $\frac{19-5\ GOST\ 8560-78}{45\ GOST\ 1051-73}$

ALTERNATE MATERIAL QUOTED : GRADE 20, 25, 30, 35, 40 GOST 1050-74, A12, A20 GOST 1414-75.

BRIGHT STEEL HEXAGONAL BAR 19mm ACROSS FLATS.

CLASS OF ACCURACY = 5.

G R A D E S = 20, 25, 30, 35, 40, 45 TO GOST 1051-73 FREE CUTTING SULPHUROUS = A

a) CHEMICAL COMPOSITION : AS PER GOST 1050-74

GRADES	C	Si	Mn	Cr (MAX)	P (MAX)	S (MAX)	Cu (MAX)	Ni (MAX)
20	0.17 - 0.24	0.17 - 0.37	0.35 - 0.65	0.25	0.035	0.040	[illegible]	0.25
25	0.22 - 0.30	0.17 - 0.37	0.50 - 0.80	0.25	0.035	0.040	0.25	[illegible]
30	0.27 - 0.35	0.17 - 0.37	0.50 - 0.80	0.25	[illegible]	[illegible]	0.25	[illegible]
35	0.32 - [illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
40	0.37 - 0.45	0.17 - 0.37	0.50 - 0.80	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
45	0.42 - 0.50	0.17 - 0.37	0.50 - 0.80	0.25	0.035	0.040	0.25	0.25

AS PER GOST 1414-75:

A12	0.08 - 0.16	0.15 - 0.35	0.70 - 1.00	-	0.08 - 0.15	0.08 - 0.20	-	-
A20	0.17 - 0.24	0.15 - 0.35	0.70 - 1.00	-	0.06 - MAX	0.08 - 0.15	-	-

b) MECHANICAL PROPERTIES : AS PER GOST 1050-74.

GRADES	TENSILE STRENGTH kgf/mm² (min)	YIELD POINT kgf/mm² (min)	ELONGATION % (min)	REDUCTION IN AREA % (min)	IMPACT STRENGTH kgf·m/cm² (min)
20	42	25	25	55	-
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	54	34	19	45	[illegible]
45	[illegible]	36	[illegible]	40	5

AS PER GOST 1414-75

GRADES					HARDNESS
A12	42	-	22	34	160
A20	46	-	20	35	168

PILOT SAMPLE SHOULD BE APPROVED BY A.H.S.P. BEFORE BULK PRODUCTION.

[illegible]	TO BE STAMPED OR MARKED WHERE INDICATED THUS ⊕ LETTERS

ALL SHARP EDGES AND CORNERS TO BE REMOVED UNLESS OTHERWISE STATED MACHINED CORNERS TO HAVE R. OUTSIDE R. INSIDE EQUIVALENT CHAMFERS ARE PERMISSIBLE.

ISSUE	DATE	NATURE OF AMENDMENTS

MATERIAL: HEXAGONAL BAR $\frac{19\ GOST\ 8560-78}{45\ GOST\ 1051-73}$

DIRECTORATE OF QUALITY ASSURANCE (VEHICLES)

SCALE 2 : 1

DIMENSIONS IN mm

TOLERANCE ON DIMENSIONS UNLESS OTHERWISE STATED IS 2102-69

ALL THREADS TO [illegible]

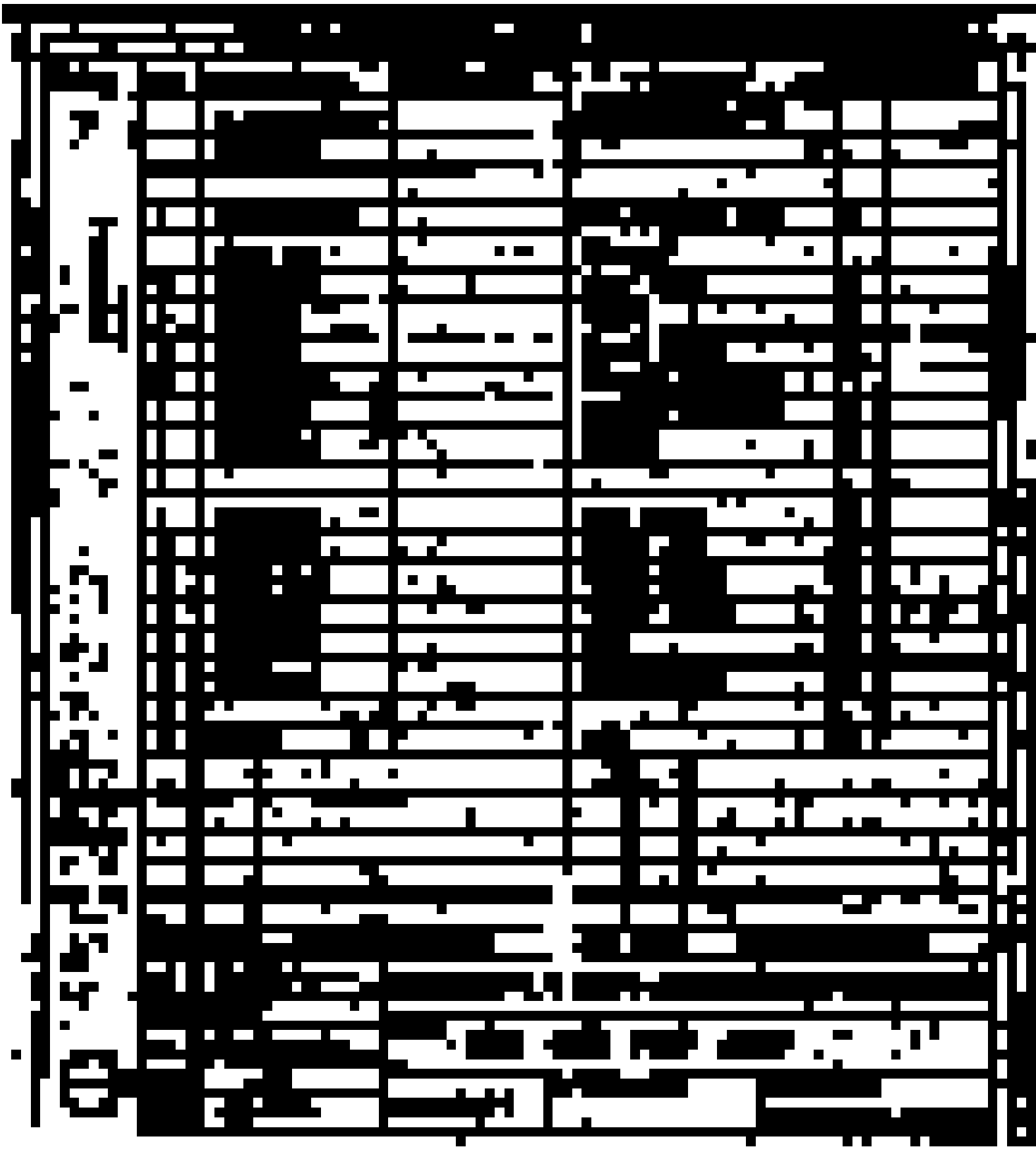
TITLE: PLUG

DRAWING NUMBER: HA-01-2

USED ON	ITEM	DRAWING NUMBER	D > CAT NUMBER	DESCRIPTION	No. OFF	REMARKS
		20-150-37-000-1 СБ		FUEL FEED PUMP ASSY		
		& ITEM LIST				
СБ 20 32-00-4	1	150-37-008-1 СБ		FUEL FEED PUMP BODY	1	
		& ITEM LIST		SUB ASSY		
	2	150-37-108-1		PUMP PISTON	1	
	3	150-37-111		VALVE	2	
	4	150-37-112		VALVE SPRING	2	
	5	150-37-120-12		PLUG FOR PISTON HOLE	1	
	6	150-37-128		PLUG FOR VALVE HOLE	2	
	7	150-37-150-1		BUSHING	2	
	8					
	9	337-37-102-1		PUMP TAPPET	1	
	10	337-37-103-1		ROLLER AXLE	1	
	11	337-37-104-1		TAPPET ROLLER	1	
	12	337-37-105-1		TAPPET SPRING	1	
	13	337-37-107-1		STUD	1	
	14	337-37-109-1		PISTON SPRING	1	
	15					
	16	HA-01-2		PLUG	2	

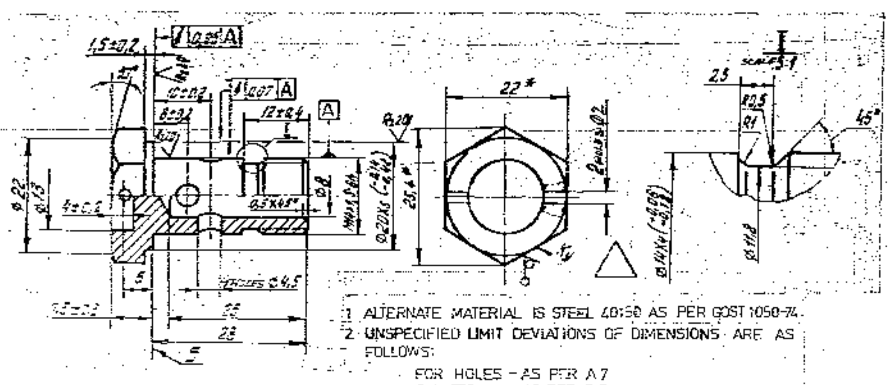
ISSUE	DATE	NATURE OF AMENDMENTS	ISSUE	DATE	NATURE OF AMENDMENTS

DRN		CONTROLLER/TECH QUALITY ASSURANCE (HEAVY VEHICLES) AVADI		
CHD		TITLE: FUEL FEED PUMP ASSY		
TED.				
APPD				
DATE	08-7-89.	SHT. No. 1 OF 1	D > CAT NUMBER	ITEM LIST FOR 20-150-37-000-1СБ



20-32-36

R240/



EXPLANATORY NOTE:

HEXAGONAL BAR: 22-5 GOST 8560-78 / 45 GOST 1051-73

ALTERNATE MATERIAL QUOTED: 40, 50 GOST 1050-74

BRIGHT STEEL HEXAGONAL BAR 22 mm ACROSS FLATS, CLASS OF ACCURACY-5, TO GOST 8560-78, GRADE 45, GOST 1051-73

(a) CHEMICAL COMPOSITION

GRADE OF STEEL	CONTENTS OF ELEMENTS %							
	C	Si	Mn	Cr	P	S	Cu	Ni
				MAXIMUM				
40	0.37 – 0.45	0.17 – 0.37	0.50 – 0.80	0.25	0.035	0.040	0.25	0.25
45.	0.42 – 0.50	0.17 – 0.37	0.50 – 0.80	0.25	0.04	0.035	0.25	0.25
50	0.47 – 0.55	0.17 – 0.37	0.50 – 0.80	0.25	0.04	0.035	0.25	0.25

(b) MECHANICAL PROPERTIES

GRADE OF STEEL	TENSILE STRENGTH Kgf/mm² (min)	YIELD POINT Kgf/mm² (min)	ELONGATION % (min)	REDUCTION IN AREA % (min)	IMPACT STRENGTH Kgf/cm² (min)
40	[illegible]	34	19	45	6
45	61	36	16	40	5
50	61	38	14	40	4

1. ALTERNATE MATERIAL IS STEEL 40/50 AS PER GOST 1050-74.
2. UNSPECIFIED LIMIT DEVIATIONS OF DIMENSIONS ARE AS FOLLOWS:
   - FOR HOLES – AS PER A7
   - SHAFTS – AS PER B7
   - OTHERS – AS PER CM7
3. DEVIATION FROM THE ALIGNMENT OF THE HEAD AXIS WITH RESPECT TO THE THREAD AXIS IS R0.5mm.
4. WHILE FACING BUTT END Б, THE SINGLE-POINT TOOL MAY CUT INTO THE CYLINDRICAL SURFACE TO A DEPTH NOT EXCEEDING 0.3mm.
5. CRACKS, BURRS, NOTCHES, DENTS AND OTHER MECHANICAL DEFECTS ARE NOT ALLOWED.
6. THREAD SHOULD BE CLEAN AND SHOULD NOT HAVE ANY BURRES STRIPPED TURNS AND DENTS.
7. ROUNDING OF EDGES IS ALLOWED UP TO Ø 0.25mm.
8. COATING: CADMIUM PLATED, 9 MICRONS, OILED. ABSENCE OF THE COATING ON THE INTERNAL SURFACES IS PERMITTED.
9. IT IS ALLOWED TO CHECK THE THREAD BEFORE COATING.
10. *DIMENSIONS ARE GIVEN FOR REFERENCES.

PILOT SAMPLE SHOULD BE APPROVED BY A H S P BEFORE BULK PRODUCTION.

EST. WT. 0.035 Kg	TO BE STAMPED OR MARKED WHERE INDICATED THUS = LETTERS
ALL SHARP EDGES AND CORNERS TO BE REMOVED UNLESS OTHERWISE STATED MACHINED CORNERS TO HAVE R OUTSIDE R INSIDE EQUIVALENT CHAMFERS ARE PERMISSIBLE.	

DRN	
CHD	
TRD	
APPD	
DATE	17-03-87
SCALE	2 : 1
DIMENSIONS IN mm	
TOLERANCE ON DIMNS UNLESS OTHERWISE STATED IS	
ALL THREADS TO CONFORM TO	

ISSUE | DATE | NATURE OF AMENDMENTS

MATERIAL: HEXAGONAL BAR 22-5 GOST 8560-78 / 45 GOST 1051-73

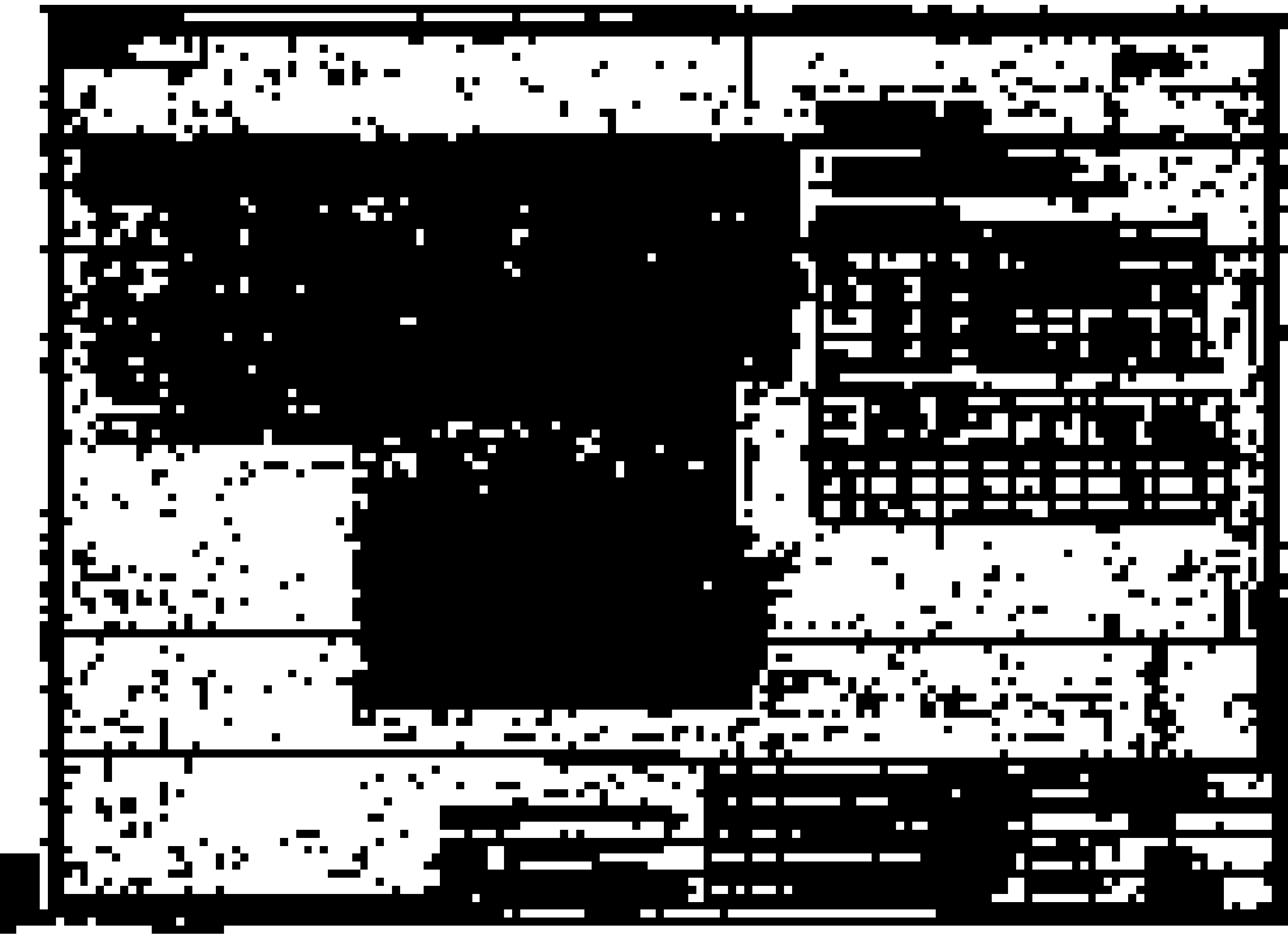
USED ON: TR 20-32-00-4

CONTROLLERATE OF QUALITY ASSURANCE (HEAVY VEHICLES) AVADI

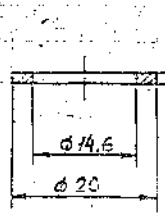
TITLE: CLAMP

D.S. CAT NUMBER

DRAWING NUMBER 20-32-36



DRAWING NUMBER
20-55-076



1 Alternate material is strip АД 1М-1, GOST 13726-78.
2 Requirements placed upon stamping are as per standard 82050-16.
3 Minute dents and stamping tools traces are allowed, if they do not exceed 1/2 of permissible deviations of dimensions.
4 * Dimension is given for reference.

EXPLANATORY NOTE:-

MATERIAL QUOTED:- АД1М-1 GOST 21631-76.

ALTERNATE MATERIAL QUOTED:- STRIP АД1М-1 GOST 13726-78.

UNCLADDED ALUMINIUM SHEET TO GRADE АД1(ANNEALED-M)

THICKNESS 1mm; NORMAL FINISH AND MANUFACTURING ACCURACY TO GOST 21631-76.

CHEMICAL COMPOSITION : AS PER GOST 4784-74

CONTENT OF ELEMENTS %							
BASIC CONSTITUENT	IMPURITIES (MAXIMUM)						OTHER IMPURITIES
Al (MIN)	Fe	Si	Cu	Mn	Zn	Mg	EACH INDIVIDUALLY
99.30	0.30	0.30	0.05	0.025	0.10	0.05	0.02

MECHANICAL PROPERTIES : As per GOST 21631-76 & 13726-78

TENSILE STRENGTH = 6 kgf/mm² (min)

% ELONGATION = 28 (min)

(A) ALTERNATE MATERIAL : 19000 TO IS 737

PILOT SAMPLE SHOULD BE APPROVED BY A H S P BEFORE BULK PRODUCTION

EST. WT. 0.00074 kg | TO BE STAMPED OR MARKED WHERE INDICATED THUS = | LETTERS)

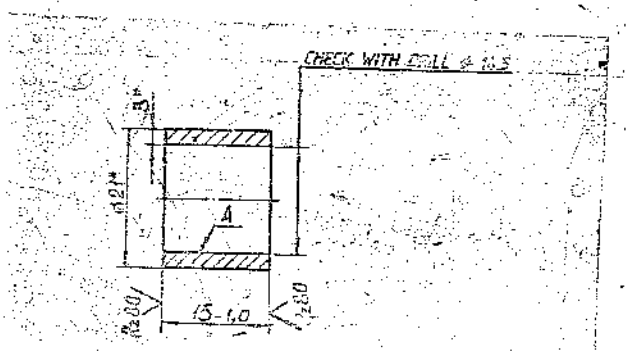
ALL SHARP EDGES AND CORNERS TO BE REMOVED UNLESS OTHERWISE STATED MACHINED CORNERS TO HAVE R OUT SIDE & INSIDE EQUIVALENT CHAMFERS ARE PERMISSIBLE

ISSUE	DATE	NATURE OF AMENDMENTS
B	18-03-16	PL.11 of 7th All. Comm. Meeting dt. 11-4-12
A	9-6-09	3rd ALTN. / COMM. MINUTES POINT 7. DATE 27-2-09

DRN		MATERIAL:- АД1М-1 GOST 21631-76.	USED ON CO.A(HV)5.06.001E C5 20-32-00-4 (B)
CHD			
TCD			
APPD			
DATE	12-2-87	CONTROLLERATE OF QUALITY ASSURANCE(HEAVY VEHICLES) AVADI	
SCALE	2 : 1		
DIMENSIONS IN mm		TITLE SEALING RING	
TOLERANCE ON DIMNS UNLESS OTHERWISE STATED IS:2102-65			
ALL THREADS TO CONFORM TO		D S CAT NUMBER	DRAWING NUMBER 20-55-076

SIZE A3

DRAWING NUMBER
340-22-1



1. ALTERNATE MATERIAL IS STEEL 10, GOST 1050-74 AND ELECTRO WELDING PIPE 21X2, GOST 10705-80.
2. COATING : ZINC-PLATED, 9 MICRONS THICK, OILED.
3. NO SCALE IS PERMITTED ON SURFACE A.
4. NO COATING ON THE INTERNAL SURFACE IS ALLOWED.
5. * DIMENSIONS ARE GIVEN FOR REFERENCE.

EXPLANATORY NOTE :

6. MATERIAL QUOTED : PIPE 21x3 GOST 8734-75 / B20 GOST 8733-74

ALTERNATE MATERIAL QUOTED : STEEL 10 GOST 1050-74 AND ELECTRO WELDING PIPE 21x2 GOST 10705-80.

21 = EXTERNAL DIAMETER.

3 = WALL THICKNESS.

a) CHEMICAL COMPOSITION :

GRADE OF STEEL	CONTENT OF ELEMENTS %							
	C	Si	Mn	Cr	P	S	Cu	Ni
				MAX IMUM				
10	0.07-0.14	0.17-0.37	0.35-0.65	0.15	0.035	0.040	0.25	0.25
20	0.17-0.24	0.17-0.37	0.35-0.65	0.25	0.035	0.040	0.25	0.25

b) MECHANICAL PROPERTIES :-

GRADE OF STEEL	ULTIMATE TENSILE STRENGTH Kgf/mm² (min)	YIELD POINT Kgf/mm² (min)	% ELONGATION (min)	REDUCTION IN AREA % (min)
10	34	21	24	55
20	42	25	21	55

WELDING PIPE (ELECTRO) = 21x2 GOST 10705-80.
21 = EXTERNAL DIAMETER.
2 = WALL THICKNESS.

c) MECHANICAL PROPERTIES : AS PER GOST 10705-80.

GRADE OF STEEL	ULTIMATE TENSILE STRENGTH Kgf/mm² (min)	YIELD POINT Kgf/mm²	RELATIVE ELONGATION %
10	34	21	24
20	42	25	21

DRN		MATERIAL :- PIPE 21x3 GOST 8734-75 / B20 GOST 8733-74.	USED ON :- CB 20-32-00-4
CHD			
TCD			
APPD			
DATE	17-02-37	CONTROLLERATE OF INSPECTION (HEAVY VEHICLES) AVADI	
SCALE :- 2 : 1			
DIMENSIONS IN mm			
TOLERANCE ON DIMNS UNLESS OTHERWISE STATED IS: 2102-69		TITLE	PROTECTIVE BUSHING
ALL THREADS TO CONFORM TO		D S CAT NUMBER	DRAWING NUMBER 340-22-1

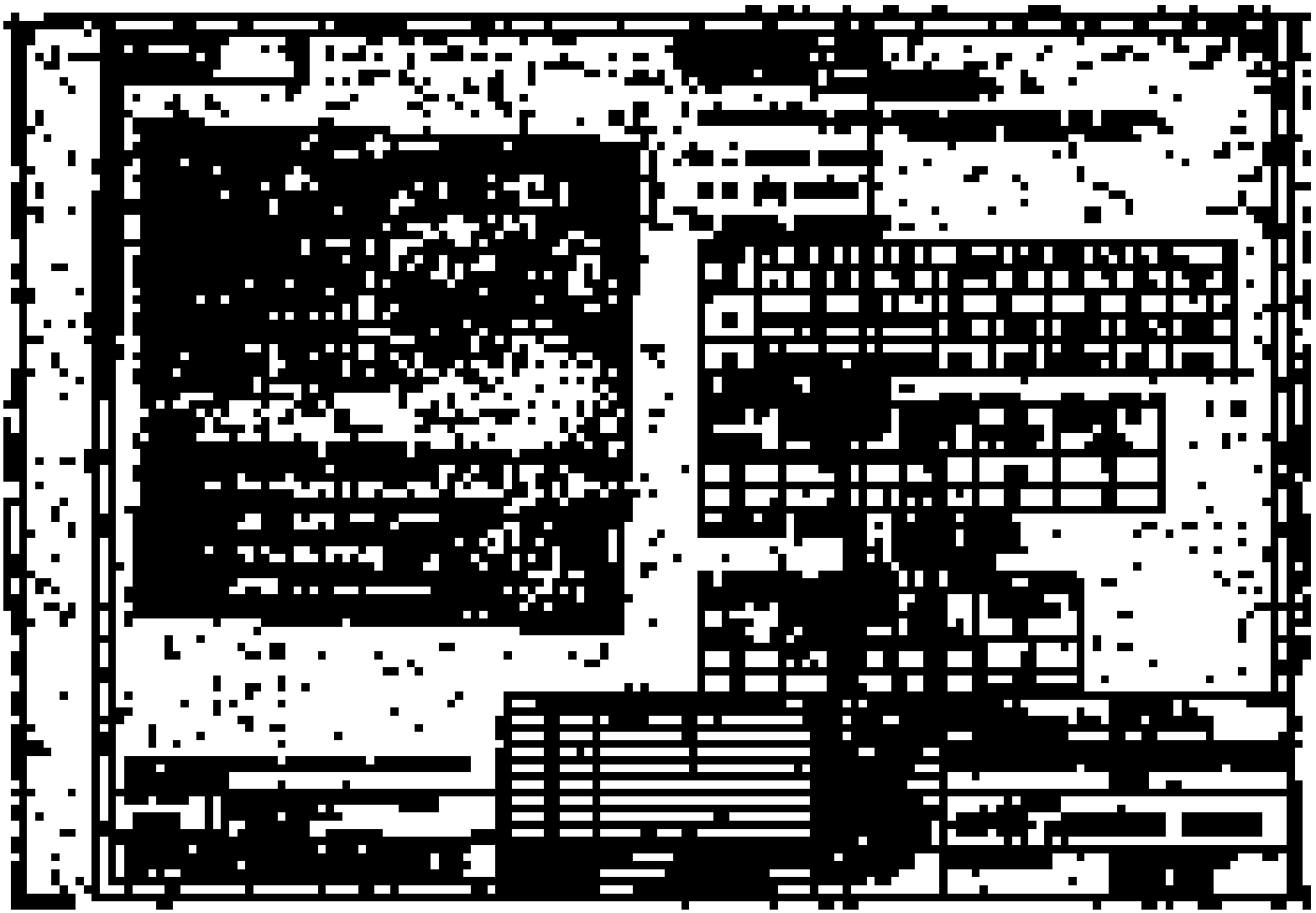
PILOT SAMPLE SHOULD BE APPROVED BY A H S P BEFORE BULK PRODUCTION.

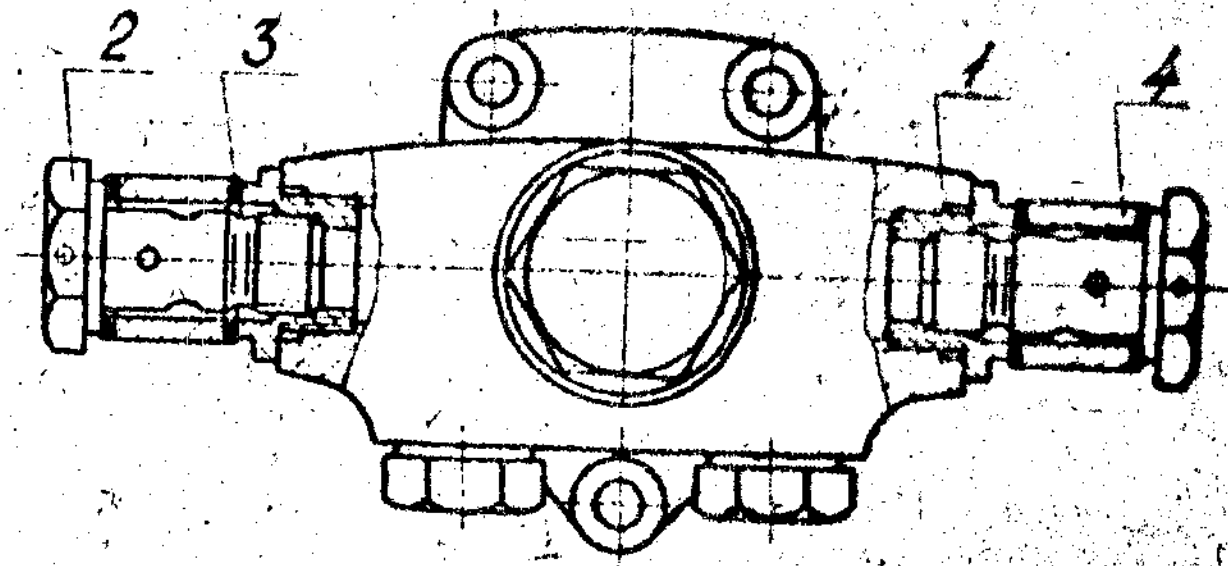
EST WT	TO BE STAMPED OR MARKED WHERE
0.010 Kg	INDICATED THUS # (LETTERS)

ALL SHARP EDGES AND CORNERS TO BE REMOVED UNLESS OTHERWISE STATED MACHINED CORNERS TO HAVE R OUTSIDE R INSIDE EQUIVALENT CHAMFERS ARE PERMISSIBLE.

ISSUE	DATE	NATURE OF AMENDMENTS

SIZE A3





1. CARRY-OUT DE-PRESERVATION OF THE PUMP AS PER THE INSTRUCTIONS OF THE PLANT.

KVD No-63395

PILOT SAMPLE SHOULD BE APPROVED BY A N S P BEFORE BULK PRODUCTION

ISSUE	DATE	NATURE OF AMENDMENTS

EST. MASS 0,713 Kg

TO BE STAMPED OR MARKED WHERE INDICATED THUS # (LETTERS)

ALL SHARP EDGES AND CORNERS TO BE REMOVED UNLESS OTHERWISE STATED MACHINED CORNERS TO HAVE R OUTSIDE R INSIDE EQUIVALENT CHAMFERS ARE PERMISSIBLE

DRN

SCALE :-

MATERIAL :- ——

USED ON :- СБ 20-27-00-4

CHD

DIMENSIONS IN mm

CONTROLLERATE OF INSPECTION (HEAVY VEHICLES) AVADI

ICD

TOLERANCE ON DIMNS UNLESS OTHERWISE STATED

TITLE :- FUEL FEED PUMP

APPD

DATE 17-2-82

ALL THREADS CONFORM TO

O S CAT. NUMBER

DRAWING NUMBER СБ 20-32-00-4

ZONE	REF NO	DESIGNATION	DESCRIPTION	QTY	REMARKS
			TECHNICAL PAPERS		
		ASSY 20-32-00-4	ASSEMBLY DRAWING		
			ASSEMBLY UNITS		
	1	20-150-37-000- /cb	FUEL FEED PUMP ASSY	1	
			PARTS.		
	2	20-32-36	CLAMP	2	
	3	20-55-076	SEALING RING	4	
	4	340-22-1	PROTECTIVE BUSHING	2	

ISSUE	DATE	NATURE OF AMENDMENTS	ISSUE	DATE	NATURE OF AMENDMENTS

DRN		USED ON	CB 20-27-00-4
CHD		CONTROLLERATE OF INSPECTION (HEAVY VEHICLES) AVADI	
TCD		TITLE	FUEL FEED PUMP ASSY
APPD		D S CAT NUMBER	ITEM LIST FOR CB 20-32-00-4
DATE: 17-2-87	SHT No 1 OFF 1		

KVD No.63395

ISED ON | C6 20-34-00-1 | I/L CREATED BASED ON RUSSIAN ORIGINAL ISSUE- 1Q2 NOTN. No. 1677-85 3

ITEM	DRAWING NUMBER	D S CAT NUMBER	DESCRIPTION	No. OFF	REMARKS
	C6 20-27-00 4		FUEL PUMP ASSY.		
	& ITEM LIST				
	C6 20-27 0M		PROGRAM AND METHODS OF		-
			RUNNING-IN, ADJUSTMENT,		
			CHECKING AND ACCEPTANCE		
			TESTS.		
	U 240-280/75		INSTRUCTION FOR MOUNTING		
			OF PARTS ON 33W PACKER.		
1	C6 20-27-04-6 & I/L		FUEL PUMP SHAFT.	1	
2	C6 20-27-05-7 & I/L		FUEL PUMP BODY.	1	
3	C6 3327-06 & I/L		ROTARY SLEEVE	6	
4	C6 327-07-1 & I/L		PLUNGER-PAIR PUMP ELEMENT ASSY	6	
5	C6 20-27-09 & I/L		DELIVERY VALVE ASSY	6	
6	C6 20-27-10-1 & I/L		PUMP HOUSING BODY COVER ASSY	2	
7	C6 20-27-15-1 & I/L		FOLLOWER TAPPET ASSY	6	
	OR C6 20-27-15-2 & I/L		TAPPET ASSY		

ISSUE	DATE	NATURE OF AMENDMENTS
B	29.9.11	I/L SHT 2 OF 5 AMENDED
A	18-6-93	Let. No 90228/AHSP/ENG/FDL dt 21-6-93

ISSUE	DATE	NATURE OF AMENDMENTS

DRN	
CHD	
TED	
APPD	
DATE	16-2-93

CONTROLLERATE OF QUALITY ASSURANCE (HEAVY VEHICLES) AVADI

FUEL PUMP ASSY

Sheet 1 OF 5

D S CAT NUMBER	ITEM LIST FOR
	C6 20-27-00-4

I/I. CREATED BASED ON RUSSIAN ORIGINAL ISSUE-162 NOTN. No. 1577-85 Ⓐ

USED ON	ITEM	DRAWING NUMBER	CAT NUMBER	DESCRIPTION	No. OFF	REMARKS
CБ 20-24-00-1	8	CБ 20-27-17-5 & I/L		AIR ~~OUTLET~~ BLEEDING PIPE. ASSY	1	
	9	CБ 20-27-28-1 & I/L		FILTER.	1	
	~~10~~	~~CБ 20-35-70-5 & I/L~~		~~FUEL FEED FLEXIBLE HOSE.~~	~~1~~	Ⓑ
	11	CБ 20-15-662-5 & I/L		GOVERNOR LEVER.	1	
	12	CБ 20-15-663-4 & I/L		GOVERNOR BODY. ASSY	1	
	13	CБ 20-15-664-1 & I/L		BUSH	1	
	14	CБ 20-15-671 & I/L		LINK WITH PLATE	2	
	15	CБ 20-32-00-4 & I/L		FUEL FEED PUMP	1	
	16	CБ 20-15-660-1 & I/L		CORRECTOR	1	
	17	20-27-23-1		~~CLAMP~~ YOKE	1	
	18	20-27-37		CAP	1	
	19	20-27-61		RING	6	
	20	20-27-70		CAP	2	
	21				1	
	22	20-27-75-4		ADJUSTING RACK	2	
	23	20-27-79		PLUNGER SPRING	6	
	24	20-27-80		SPRING UPPER RETAINER	6	
	25	20-27-81		SPRING LOWER RETAINER	6	
	26	20-27-85-1		SET SCREW	6	
	27	20-27-109-3		GASKET	1	
	28	20-27-112		~~CLAMP~~ CONNECTOR	1	
	29	20-27-293		GASKET	1	
	10	CQA(HV)507729E		FLEXIBLE HOSE	1	Ⓑ

ISSUE	DATE	NATURE OF AMENDMENTS	ISSUE	DATE	NATURE OF AMENDMENTS
B	29.9.11	1st Alt. Comm Meeting Minutes Point No 1 Dt 29.9.2004			
A	18-6-93	Letter No 9022B/AHSP/ENG/FDL dt 21-6-93			

DRN	[signature]	CONTROLLERATE OF QUALITY ASSURANCE (HEAVY VEHICLES) AVADI
CHD	[signature]	
TCO	[signature]	FUEL PUMP ASSY.
APPD	[signature]	D S CAT NUMBER
DATE	16-2-93	SHEET 2 OF 5 — ITEM LIST FOR CБ20-27-00-4

USED ON CS 20-34-00-1 I/L CREATED BASED ON RUSSIAN ORIGINAL ISSUE - 102 NOTN No.1677-85)

Sl No	DRAWING No	NOMENCLATURE	No. OFF	REMARKS
30	20-27-303	SEAL RING	6	
31	20-27-305	BY-PASS PIPE	6	
33	20-27-340	CLAMP	1	
34	20-27-341	UNION	1	
35	20-27-342	CLAMP	1	
36	20-27-343	NUT M 18 x 1.5	1	
37	20-15-610-1	SPEED GOVERNOR DISC	1	
38	20-15-611-1	GOVERNOR CROSS	1	
39	20-15-620-4	SPEED GOVERNOR COVER	1	
	OR 20-15-620-6			
40	20-15-645-3	GASKET	1	
41	20-15-647-1A	NUT M14	1	
42	20-15-659	SET RING	2	
43	20-15-681	ADJUSTING RING	1	
44	20-15-654-1	CAP-NUT	1	
45	515-635-1	PIN	4	
46	315-618 A	GOVERNOR LEVER AXLE	1	
47	315-648	PLUG	3	
48	315-141	SEAL	4	
49	327-44	TIGHTENING-UP SCREW	8	
50	327-65 A	COVER SCREW	4	
51	3327-84	LOCKING SCREW	1	
52	3327-85A	SET SCREW	6	
53	327-86 OR 327-86A	GASKET	6	

ISSUE	DATE	NATURE OF AMENDMENTS	ISSUE	DATE	NATURE OF AMENDMENTS
B	29.9.11	I/L SHT 2 OF 5 AMENDED			
A	18.6.93	Lt No. 90228/AHSP/ENG FDL dt 21.6.93			

DRN	
CHD	
TCD	
APPD	
DATE: 5-7-04	SHT No 3 OF 5

USED ON

CONTROLLERATE OF QUALITY ASSURANCE (HEAVY VEHICLES) AVADI

TITLE **FUEL PUMP ASSY**

D S CAT NUMBER

ITEM LIST FOR CS 20-27-00-4

USED ON

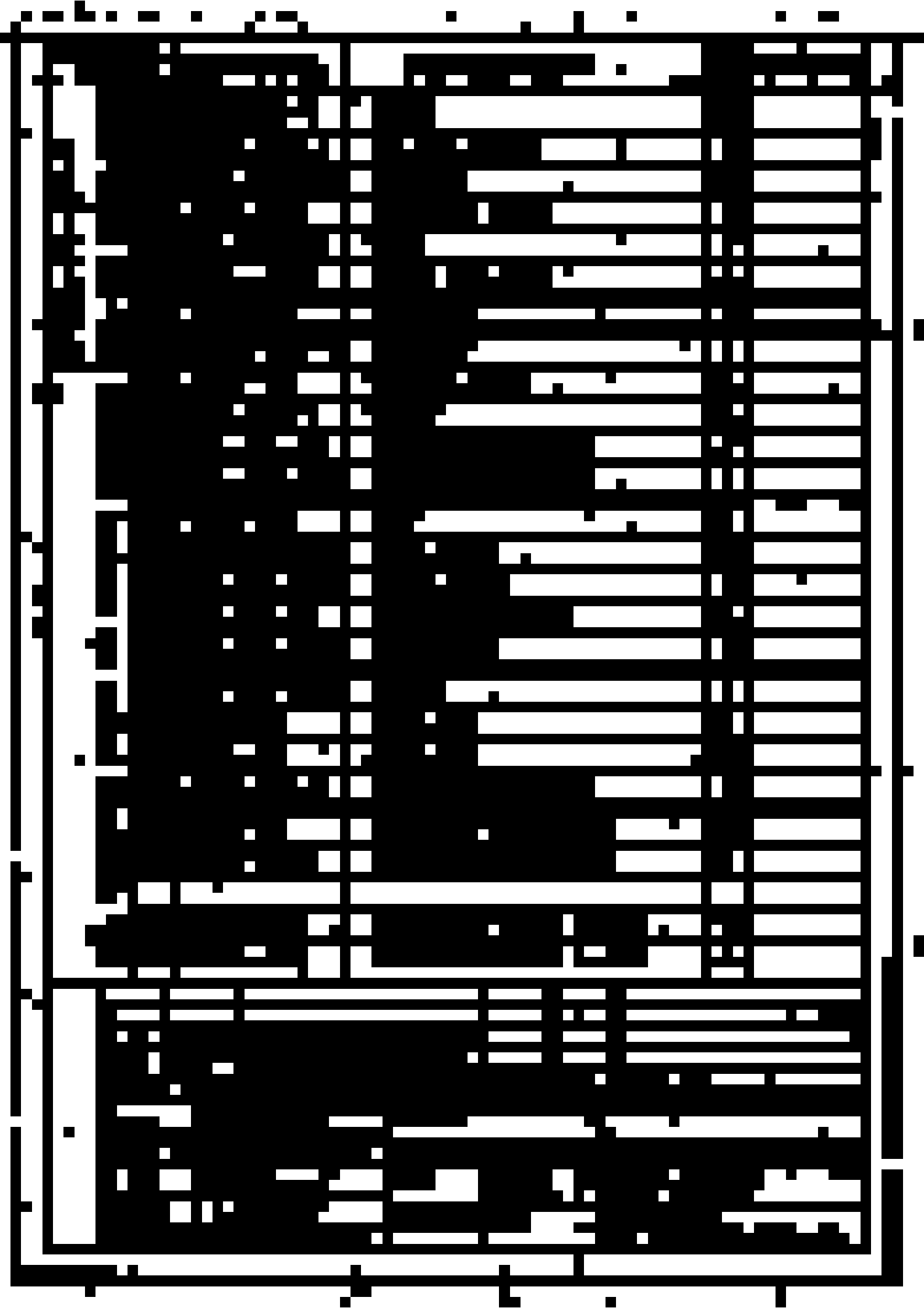
C6 20-34-00-1

I/L CREATED BASED ON RUSSIAN ORIGINAL ISSUE -102 NOTN No.1677-85

Sl No	DRAWING No	NOMENCLATURE	No. OFF	REMARKS
54	327-87-1	SEAL	13	
55	327-107-1	PLATE LOCK	2	
56	327-126/126A	GASKET	11	
57	327-140	LOCKING WIRE	2	
58	20-29-21-1	NUT	1	
59	522-125	BOLT M6 x 25	4	
60	529-31	WASHER	3	
61	3335-38-4	GASKET	1	
62	346-19	VALVE BODY	2	
63	340-05-1	PLUG	2	
64	20-40-141	PROTECTIVE BUSH	2	
65	20-40-142	PROTECTIVE BUSH	1	
66	340-55	CAP	6	
67	20-55-06Б	SEAL RING	6	
68	20-55-08Б	SEAL RING	6	
69	20-53-10	LOCKING WASHER	2	
70	20-55-11Б	SEAL RING	3	
71	20-08-246	RING	1	
72	351-02	NUT M8	3	
73	351-06	NUT M6	13	
74	353-05-1	CLEAN WASHER 8	2	
75	353-11	LOCKING WASHER 7	13	
76	353-16-1	LOCKING WASHER 8	2	
78	354-22	LOCKING WIRE L=80	5	
79	354-22	LOCKING WIRE L=100	1	

ISSUE	DATE	NATURE OF AMENDMENTS	ISSUE	DATE	NATURE OF AMENDMENTS
B	29.9.11	I/L SHT 2 OF 5 AMENDED			
A	18.6.93	Lt No. 90228/AHSP/ ENG/FDL dt 21.6.93			

ORN		USED ON
CHD		CONTROLLERATE OF QUALITY ASSURANCE (HEAVY VEHICLES) AVADI
TCD		TITLE **FUEL PUMP ASSY**
APPD		D S CAT NUMBER / ITEM LIST FOR C6 20-27-00-4
DATE: 5-7-04	SHT No 4 OF 5	



USED ON

СБ 20-34-00-1

1/L CREATED BASED ON RUSSIAN ORIGINAL ISSUE-102, NOTN. No 1677-85.9

ITEM	DRAWING NUMBER	D'S CAT NUMBER	DESCRIPTION	No. OFF	REMARKS
80	354-22		LOCKING WIRE L=120mm	1	
81	354-22		LOCKING WIRE L=150mm	1	
82					
83					
84					
85					
86			BALL II 28.575mm П		
			GOST 3722-60 ETY 500	5	
87			WASHER 14T 65Г 06		
			GOST 6402-70	1	
88	353-24		WASHER 8T 65Г.06		
			GOST 6402-70	1	
89	354-12		SPLIT PIN 2x20	1	
			GOST 397-79		

ISSUE	DATE	NATURE OF AMENDMENTS	ISSUE	DATE	NATURE OF AMENDMENTS
B	29.9.11	I/L SHT 2 OF 5 AMENDED			
A	18-6-93	Let. No. 90228/AHSP/ENG/FDL dt 21-6-93			

DRN		CONTROLLERATE OF QUALITY ASSURANCE (HEAVY VEHICLES) AVADI	
CHD		TITLE: FUEL PUMP ASSY.	
TCD			
APPD			
DATE	16-2-93	SHT. No. 5 OF 5	D S CAT NUMBER
			ITEM LIST FOR СБ 20-27-00-4