



# Ariel Dynamics Inc. Media Library - Video

## Assembly Pack



<b>Code</b>	adi-vid-01190
<b>Title</b>	Assembly Pack
<b>Subtitle</b>	Hydraulic assembly for regulating oil flow
<b>Subject</b>	History
<b>Duration</b>	00:59:01
<b>URL</b>	<a href="https://arielweb.com/videos/play/adi-vid-01190">https://arielweb.com/videos/play/adi-vid-01190</a>
<b>Date</b>	2017-03-30 00:00:00
<b>Label</b>	Approved
<b>Privacy</b>	Public

## Video Synopsis

In this video, the speaker provides a detailed walkthrough of assembling a mechanical part, possibly a hydraulic valve. The speaker explains the importance of each component and the correct way to assemble them.

Key points discussed in the video include:

- Importance of ensuring all parts are free of burrs and sharp edges from machining.
- The process of pressing a pin into a hole and the reason for its placement.
- The assembly of check valves and the correct orientation of the retaining ring.
- The importance of ensuring the threads are clean and free from solder.
- The use of a specific type of strong, but not permanent, adhesive.
- The process of preparing the valve stem and the importance of ensuring it is free from threads.
- The assembly of the mounting block for the motor and the importance of cleanliness.
- The process of inserting the sleeve and the importance of ensuring it is clean and free from burrs.
- The assembly of the spool and the importance of not mixing them up as they are honed and lapped to fit into specific sleeves.
- The process of screwing in the socket set screw using a wrench.
- The importance of using Teflon tape on all tapered screws to avoid leakage.
- The assembly of the hydraulic plug and the importance of ensuring it is flush with the bottom.
- The assembly of the nipple and the importance of using Teflon tape due to the high pressure.

The speaker emphasizes the importance of cleanliness, correct assembly, and the use of Teflon tape throughout the video.

## Video Synopsis





The video is a detailed guide on how to assemble and adjust a hydraulic cylinder and its components. The speaker emphasizes the importance of cleanliness, correct use of tools, and careful handling of parts throughout the process.

1. **Hex Flash Service:** The speaker demonstrates how to tighten the hex flash service using a wrench, cautioning against using a bias to grab the fitting.
2. **Elbow and Block:** The speaker discusses the correct order of assembly, emphasizing the importance of tightening the block before the elbow.
3. **Transducer Assembly:** The speaker advises to avoid touching the grease on the transducer and to align the holes correctly for future servicing. He also emphasizes the importance of cleaning the center where there's no grease before inserting it.
4. **Spool Adjustment:** The speaker demonstrates how to adjust the spool, explaining that it should not go too far in. He also explains how to measure the gap that is opening.

5. **Valve Adjustment:** The speaker explains how to adjust the valve, emphasizing that it should not be forced in. He also explains how to measure the gap for correct positioning.
6. **Motor Assembly:** The speaker demonstrates how to assemble the motor, emphasizing the importance of turning the plunger up for easy oil filling.
7. **Accumulator Assembly:** The speaker explains how to assemble the accumulator, emphasizing the importance of cleanliness and correct positioning.
8. **Hydraulic Cylinder Assembly:** The speaker demonstrates how to assemble the hydraulic cylinder, emphasizing the importance of cleanliness and correct use of o-rings.
9. **Final Assembly:** The speaker explains the final steps of assembly, including filling with oil and screwing in the final plug.

Throughout the video, the speaker emphasizes the importance of careful handling, correct use of tools, and cleanliness to ensure the proper functioning of the hydraulic cylinder.

## Audio transcription

Frame	#	Time	Spoken text
	0.	00:00:00	<i>This is how it works, how it is supposed to be.</i>
	1.	00:00:04	<i>Like of course it costs a mile or it will be a mile.</i>
	2.	00:00:12	<i>We talked about this kind of time.</i>
	3.	00:00:16	<i>But this is where we get to learn from.</i>
	4.	00:00:18	<i>One, we assume all parts are made to print.</i>
	5.	00:00:24	<i>Inspected QCL is to print.</i>
	6.	00:00:26	<i>All parts are free of burger from machining.</i>
	7.	00:00:30	<i>No edge, sharp edge sticking out, especially the bow body.</i>
	8.	00:00:34	<i>At any cutting corner, you should not have any fur hanging or any niche hanging around.</i>
	9.	00:00:42	<i>That will damage the bow and will damage the function of the bow.</i>
	10.	00:00:50	<i>Thanks, dude.</i>
	11.	00:01:12	<i>So you have policy for one puck.</i>
	12.	00:01:20	<i>No?</i>
	13.	00:01:24	<i>Tell me what I need with you.</i>
	14.	00:01:50	<i>Okay.</i>
	15.	00:01:52	<i>What I need to do is press this little pin, column pin into this hole.</i>
	16.	00:02:00	<i>This is the top face, this is the bottom face.</i>
	17.	00:02:04	<i>The top face has a counter ball.</i>
	18.	00:02:06	<i>Now which face is that, you said?</i>
	19.	00:02:08	<i>When you mount the motor.</i>
	20.	00:02:12	<i>The motor.</i>
	21.	00:02:14	<i>What you call it, the motor face?</i>
	22.	00:02:16	<i>The bottom face.</i>
	23.	00:02:18	<i>First thing you press the pin in.</i>



**# Time Spoken text**

24. **00:02:20** *Why you put the pin there?*

25. **00:02:22** *The whole size.*

26. **00:02:24** *Because they cannot get a smaller drill to get in.*

27. **00:02:28** *I see.*

28. **00:02:30** *To do an extra step.*

29. **00:02:32** *Press it in, this is what we got right now.*



30. **00:02:39** *Here.*

31. **00:02:41** *Do you know something like this?*

32. **00:02:44** *Yeah.*

33. **00:02:54** *Let me see the motor.*

34. **00:02:56** *Okay.*



35. **00:02:58** *Let me see it.*

36. **00:03:04** *Okay.*

37. **00:03:06** *Okay.*

38. **00:03:28** *Press this pin in.*

39. **00:03:30** *Okay.*



40. **00:03:56** *Make sure, where did you put the pins?*

41. **00:03:58** *It has to be flush.*

42. **00:04:00** *Okay.*

43. **00:04:01** *These are the check valves.*

44. **00:04:02** *Check valve.*



45. **00:04:03** *Okay.*

46. **00:04:04** *On this end where the bar goes in,*

47. **00:04:06** *drop in, hold on to this, make sure the bar can release it.*

48. **00:04:12** *Okay.*

49. **00:04:13** *And you get a spring, a small end of the cone going in first.*



50. **00:04:20** *Okay.*

51. **00:04:23** *That's a spring.*

52. **00:04:25** *Sit like that.*




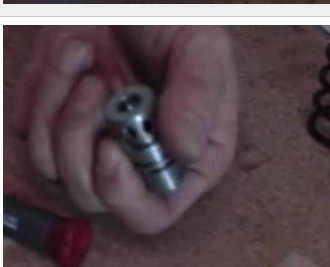
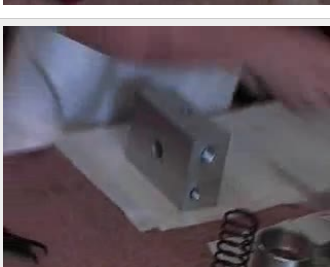


53. **00:04:26** *And the retaining ring.*

54. **00:04:28** *There's two sides, you look closely.*

55. **00:04:31** *One has a round edge, one has a sharp edge.*

56. **00:04:34** *The sharp edge is the edge facing upward.*

57. **00:04:45** *Let me.*

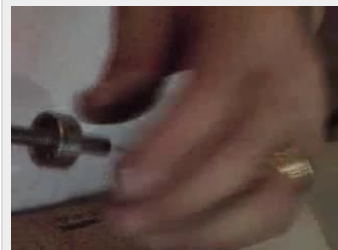
Frame	#	Time	Spoken text
	58.	00:04:56	Okay.
	59.	00:04:58	The retaining ring will go to the goo.
	60.	00:05:01	Make sure it goes to the goo.
	61.	00:05:04	Okay.
	62.	00:05:05	Get a screwdriver.
	63.	00:05:07	You want a screwdriver?
	64.	00:05:17	Sure.
	65.	00:05:18	They go in.
	66.	00:05:19	Make sure they don't go further in it too far in.
	67.	00:05:23	Make sure they're just in the goo.
	68.	00:05:25	Okay.
	69.	00:05:26	Now everything should be there.
	70.	00:05:28	Okay.
	71.	00:05:29	And you can get something like a pencil that decides soft.
	72.	00:05:34	Let me.
	73.	00:05:41	Something like this, soft material, push on the bar.
	74.	00:05:45	And you can see it bouncing.
	75.	00:05:47	Okay.
	76.	00:05:48	Here are four of them, like several.
	77.	00:05:51	Okay.
	78.	00:05:52	Now, this is number 16 O-ring.
	79.	00:06:00	Number 16.
	80.	00:06:04	Okay.
	81.	00:06:05	The whole ring goes on this groove.
	82.	00:06:08	Make sure it's clean.
	83.	00:06:09	Make sure no burr, no soft edge.
	84.	00:06:12	Go over that.
	85.	00:06:14	Number 16, number 16.
	86.	00:06:16	Make sure you go into the groove.
	87.	00:06:21	All right.
	88.	00:06:24	All four.
	89.	00:06:52	Okay.
	90.	00:06:53	All four of them.
	91.	00:06:55	Now, next thing, prepare the valve stem.
	92.	00:06:59	This one should be prefabricated.
	93.	00:07:02	It's like this.



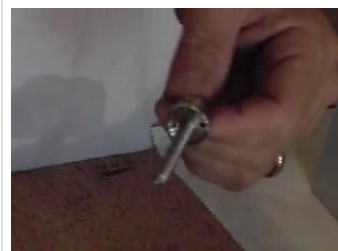
#	Time	Spoken text
94.	00:07:10	Okay.
95.	00:07:11	All the solder should be free from the thread.
96.	00:07:14	Very clean.
97.	00:07:15	So, the thread should be able to go through a gauge of a 440 through it.
98.	00:07:22	I mean, all of this thread are perfect.
99.	00:07:27	Okay.



100.	00:07:28	Then you put a job of log type, red color.
101.	00:07:33	It's a strong, but it's not permanent.
102.	00:07:37	Screw it in until you leave around one thread.
103.	00:07:41	This one you can tell is almost one half,
104.	00:07:43	but you can next time go into like one to one and a half maximum in.



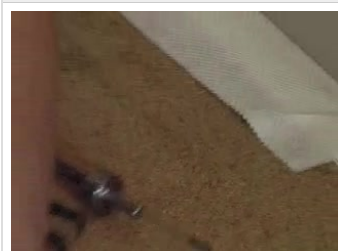
105.	00:07:49	Okay.
106.	00:07:50	Now with this, you'll make sure.
107.	00:07:53	Anyway, there's a small end.
108.	00:07:55	It's already machined without the any thread.
109.	00:07:58	You insert that in.



110.	00:08:00	If you look at it, there's a little flush bar.
111.	00:08:03	The flush bar fits in this side.
112.	00:08:05	Okay.
113.	00:08:06	This little hole is a 440,
114.	00:08:08	a quarter inch long screw on the table.



115.	00:08:13	It's like this.
116.	00:08:16	Okay.
117.	00:08:17	Show it to me again.
118.	00:08:18	Okay.
119.	00:08:19	I have it on the table.



120.	00:08:20	That's okay.
121.	00:08:21	One minute.
122.	00:08:22	Where is your hand?
123.	00:08:23	I'm going so close.
124.	00:08:25	Okay.

125.	00:08:26	Here it is.
126.	00:08:27	Okay.
127.	00:08:28	So, this screw is doing what?
128.	00:08:30	It's holding the any thread rod into this puppet.



Frame

#	Time	Spoken text
129.	00:08:38	Okay.



130.	00:08:39	Then, just get a wrench.
131.	00:08:44	Okay.
132.	00:08:45	Out of the wrench, just screw it in tight.
133.	00:08:51	And you screw it in, turn around.
134.	00:08:54	That's holding what?



135.	00:08:55	Holding this section.
136.	00:08:57	I see.
137.	00:08:58	Okay.
138.	00:08:59	Fine.
139.	00:09:00	Okay.



140.	00:09:01	When you screw it in, use this sort and tighten it.
141.	00:09:03	So, even though it's screwed in, you still have to hold it with a pin.
142.	00:09:07	No.
143.	00:09:08	When you screw it in, this set screw will wrap on this.
144.	00:09:12	Oh, there is no thread on the other side.








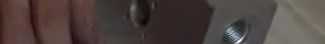



























145.	00:09:15	No.
146.	00:09:16	Okay.
147.	00:09:17	Now, this is done.
148.	00:09:20	All right.
149.	00:09:27	Now, to prepare this, this should be coming when it's finished from home.



150.	00:09:32	When it's finished from home and lab, this should be a complete set.
151.	00:09:37	Okay.
152.	00:09:38	The preferred clearing area between the oldie of the spoon and the sleeve should be somewhere
153.	00:09:46	around four or three thousand, ten of a thousand per side.
154.	00:09:53	For me, it's Greek, but it's okay.

155.	00:09:55	We don't understand.
156.	00:09:56	Yeah.
157.	00:09:58	For me, it worked great.
158.	00:10:00	It's somewhere around eight to one thousand, eight-tenth of a thousand to one thousand.

Frame	#	Time	Spoken text
	159.	00:10:05	Okay.
	160.	00:10:06	<i>This one, Jerry has, it's around two-tenth of a thousand.</i>
	161.	00:10:09	<i>Two and a half-tenth of a thousand, but I think it's okay.</i>
	162.	00:10:13	<i>It's a little tight, but it's still okay.</i>
	163.	00:10:16	Okay.
	164.	00:10:17	Okay.
	165.	00:10:18	Now.
	166.	00:10:19	<i>Next thing we're prepared is putting the o-ring in here.</i>
	167.	00:10:24	<i>Oh, yeah.</i>
	168.	00:10:25	<i>This is the one that was missing?</i>
	169.	00:10:26	Yes.
	170.	00:10:27	Okay.
	171.	00:10:28	<i>This is number eighteen o-ring, two of them.</i>
	172.	00:10:32	Okay.
	173.	00:10:33	<i>I see.</i>
	174.	00:10:34	Okay.
	175.	00:10:35	<i>I see now.</i>
	176.	00:10:37	<i>Two o-ring.</i>
	177.	00:10:38	<i>One.</i>
	178.	00:10:39	<i>The second one goes to the second goof.</i>
	179.	00:10:44	<i>This side doesn't have o-ring goof.</i>
	180.	00:10:47	<i>Doesn't need o-ring goof.</i>
	181.	00:10:49	<i>It will go into this body from the top and first.</i>
	182.	00:10:55	<i>Line up this goof right here along with this hull.</i>
	183.	00:11:01	<i>Line him up.</i>
	184.	00:11:02	Okay.
	185.	00:11:03	Okay.
	186.	00:11:04	<i>You line up what?</i>
	187.	00:11:05	<i>The goof.</i>
	188.	00:11:06	Okay.
	189.	00:11:07	<i>This goof right here.</i>
	190.	00:11:08	Okay.
	191.	00:11:09	<i>Up the sleeve.</i>



#	Time	Spoken text
192.	00:11:10	Okay.
193.	00:11:11	The valve out in this hull.
194.	00:11:12	Okay.



195.	00:11:13	Okay.
196.	00:11:14	Okay.
197.	00:11:15	But we don't do that.
198.	00:11:16	We do our next step operation.
199.	00:11:17	Okay.



200.	00:11:18	For the mounting block or motor.
201.	00:11:19	Okay.
202.	00:11:20	First thing.
203.	00:11:21	Make sure everything clean.
204.	00:11:22	Okay.



205.	00:11:23	Okay.
206.	00:11:24	Okay.
207.	00:11:25	This one is number twenty eight o-ring.
208.	00:11:30	Yes.
209.	00:11:31	Okay.



210.	00:11:32	Number twenty eight o-ring goof.
211.	00:11:36	Number twenty eight o-ring.
212.	00:11:38	Just snap it in.
213.	00:11:40	Really quick.
214.	00:11:41	This one Jerry already pressed in.



215.	00:11:43	There's a tool as a guy.
216.	00:11:45	You must use the tool.
217.	00:11:47	Must use the tool.
218.	00:11:48	Because the tool.
219.	00:11:49	Limit the amount of press.



220.	00:11:51	Go in.
221.	00:11:52	What is it?
222.	00:11:53	It's a tool that you drop.
223.	00:11:55	No, no.
224.	00:11:56	What you pressed in.

225.	00:11:57	What is it?
226.	00:11:58	This tool pin.



Frame



- | #    | Time     | Spoken text  |
|------|----------|--|
| 227. | 00:11:59 | <i>This stuff.</i>                                       |
| 228. | 00:12:00 | <i>That's the pins that are.</i>                         |
| 229. | 00:12:01 | <i>Use it to guide and restrict this puppet to hull.</i> |



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|------|----------|----------------------|
| 230. | 00:12:06 | <i>It's turning.</i> |
| 231. | 00:12:07 | <i>Okay.</i>         |
| 232. | 00:12:08 | <i>I understand.</i> |
| 233. | 00:12:09 | <i>I understand.</i> |
| 234. | 00:12:10 | <i>Okay.</i>         |



- |      |          |  |
|------|----------|--|
| 235. | 00:12:11 | <i>Like this.</i>                      |
| 236. | 00:12:12 | <i>Okay.</i>                           |
| 237. | 00:12:13 | <i>I just invented the damn thing.</i> |
| 238. | 00:12:14 | <i>I don't know how it works.</i>      |
| 239. | 00:12:16 | <i>Okay.</i>                           |



- |      |          |                            |
|------|----------|----------------------------|
| 240. | 00:12:17 | <i>So without turning.</i> |
| 241. | 00:12:19 | <i>Okay.</i>               |
| 242. | 00:12:20 | <i>Yeah.</i>               |
| 243. | 00:12:21 | <i>I remember that.</i>    |
| 244. | 00:12:22 | <i>Now.</i>                |



- |      |          |  |
|------|----------|--|
| 245. | 00:12:23 | <i>The next step is put in the o-ring.</i> |
| 246. | 00:12:25 | <i>Number ten.</i>                         |
| 247. | 00:12:27 | <i>We have two.</i>                        |
| 248. | 00:12:28 | <i>Number ten backup.</i>                  |
| 249. | 00:12:29 | <i>Oh boy.</i>                             |



- |      |          |                             |
|------|----------|-----------------------------|
| 250. | 00:12:30 | <i>That's more cool.</i>    |
| 251. | 00:12:31 | <i>Where is the groove?</i> |
| 252. | 00:12:32 | <i>I cannot believe it.</i> |
| 253. | 00:12:33 | <i>It's inside.</i>         |
| 254. | 00:12:34 | <i>That's the slow one.</i> |

- |      |          |   |
|------|----------|---|
| 255. | 00:12:35 | <i>That's the one that will stop the oil coming from the screw out.</i> |
| 256. | 00:12:38 | <i>Right?</i>   |
| 257. | 00:12:39 | <i>Yeah.</i>  |
| 258. | 00:12:40 | <i>Okay.</i>  |



- | #    | Time            | Spoken text                             |
|------|-----------------|---|
| 259. | <b>00:12:41</b> | <i>Two backup.</i>                      |
| 260. | <b>00:12:43</b> | <i>What number is this?</i>             |
| 261. | <b>00:12:46</b> | <i>I'm a ten backup and number ten.</i> |
| 262. | <b>00:12:48</b> | <i>Okay.</i>                            |
| 263. | <b>00:12:49</b> | <i>Two backup and one o-ring.</i>       |
| 264. | <b>00:12:50</b> | <i>That's a standard.</i>               |



- |      |                 |                    |
|------|-----------------|--------------------|
| 265. | <b>00:12:51</b> | <i>Number ten.</i> |
| 266. | <b>00:12:52</b> | <i>Right?</i>      |
| 267. | <b>00:12:53</b> | <i>Yeah.</i>       |
| 268. | <b>00:12:54</b> | <i>Okay.</i>       |
| 269. | <b>00:12:55</b> | <i>Oh yeah.</i>    |



- |      |                 |   |
|------|-----------------|---|
| 270. | <b>00:12:56</b> | <i>Oh.</i>  |
| 271. | <b>00:12:57</b> | <i>You need both of them.</i>                                 |
| 272. | <b>00:12:58</b> | <i>Okay.</i>  |
| 273. | <b>00:12:59</b> | <i>Oh, it's a one that is cut in the middle of something?</i> |
| 274. | <b>00:13:00</b> | <i>It's called a scar cut.</i>                                |









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|------|-----------------|--|
| 275. | <b>00:13:01</b> | <i>Okay.</i>   |
| 276. | <b>00:13:02</b> | <i>They already cut it for you when you bought it.</i> |
| 277. | <b>00:13:03</b> | <i>Okay.</i>   |
| 278. | <b>00:13:04</b> | <i>The scar cut.</i>                                   |
| 279. | <b>00:13:05</b> | <i>I didn't have this on the old pocket.</i>           |














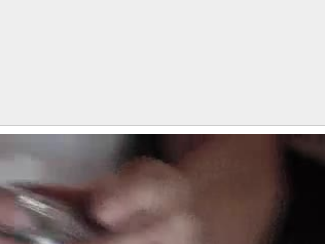

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|------|-----------------|---------------------------------------|
| 280. | <b>00:13:06</b> | <i>No.</i>                            |
| 281. | <b>00:13:07</b> | <i>The other one.</i>                 |
| 282. | <b>00:13:08</b> | <i>You can use a seal.</i>            |
| 283. | <b>00:13:09</b> | <i>That seal is difficult to get.</i> |
| 284. | <b>00:13:10</b> | <i>Yes.</i>                           |



- |      |                 |   |
|------|-----------------|---|
| 285. | <b>00:13:11</b> | <i>And it's more difficult to in place it without backing it out.</i> |
| 286. | <b>00:13:15</b> | <i>Yeah.</i>  |
| 287. | <b>00:13:16</b> | <i>That's the Thomas secrets.</i>                                     |
| 288. | <b>00:13:18</b> | <i>Yeah.</i>  |

Frame	#	Time	Spoken text
	289.	<b>00:13:19</b>	<i>Number ten o-ring.</i>
	290.	<b>00:13:21</b>	<i>So.</i>
	291.	<b>00:13:22</b>	<i>Oh.</i>
	292.	<b>00:13:23</b>	<i>I might have a hole there.</i>
	293.	<b>00:13:25</b>	<i>Yeah, there is.</i>
	294.	<b>00:13:26</b>	<i>I don't want to cut the big hole in the floor on the floor.</i>
	295.	<b>00:13:29</b>	<i>Then you cannot use it anymore.</i>
	296.	<b>00:13:30</b>	<i>Because the backup does.</i>
	297.	<b>00:13:32</b>	<i>Then the ten o-ring, we pick up this.</i>
	298.	<b>00:13:34</b>	<i>Okay.</i>
	299.	<b>00:13:35</b>	<i>Let's just throw away.</i>
	300.	<b>00:13:37</b>	<i>Okay.</i>
	301.	<b>00:13:38</b>	<i>So you put two of them though.</i>
	302.	<b>00:13:40</b>	<i>You put one backup in first.</i>
	303.	<b>00:13:42</b>	<i>Yeah.</i>
	304.	<b>00:13:43</b>	<i>Then you put the o-ring.</i>
	305.	<b>00:13:44</b>	<i>Oh.</i>
	306.	<b>00:13:45</b>	<i>The first one was not an o-ring.</i>
	307.	<b>00:13:46</b>	<i>The first one is a backup.</i>
	308.	<b>00:13:47</b>	<i>Okay.</i>
	309.	<b>00:13:48</b>	<i>Then the o-ring.</i>
	310.	<b>00:13:49</b>	<i>Okay.</i>
	311.	<b>00:13:50</b>	<i>The backup.</i>
	312.	<b>00:13:51</b>	<i>Two backups sandwiched the o-ring.</i>
	313.	<b>00:13:52</b>	<i>I see.</i>
	314.	<b>00:13:53</b>	<i>I see.</i>
	315.	<b>00:13:54</b>	<i>I see.</i>
	316.	<b>00:13:55</b>	<i>So it's a backup o-ring backup.</i>
	317.	<b>00:13:56</b>	<i>Very good.</i>
	318.	<b>00:13:57</b>	<i>Okay.</i>
	319.	<b>00:13:58</b>	<i>If you look carefully.</i>
	320.	<b>00:13:59</b>	<i>There is a backup right inside first.</i>
	321.	<b>00:14:02</b>	<i>The first layer.</i>
	322.	<b>00:14:03</b>	<i>That's something new.</i>
	323.	<b>00:14:04</b>	<i>That's not on the old valve.</i>

Frame	#	Time	Spoken text
	324.	00:14:05	No.
	325.	00:14:06	<i>The second one is an o-ring.</i>
	326.	00:14:08	<i>Now another backup.</i>
	327.	00:14:10	<i>Yeah.</i>
	328.	00:14:11	<i>Oh wow.</i>
	329.	00:14:12	<i>Wow.</i>
	330.	00:14:13	<i>Wow.</i>
	331.	00:14:14	<i>Okay.</i>
	332.	00:14:15	<i>And you make sure it goes to the last area where the o-ring is.</i>
	333.	00:14:18	<i>Okay.</i>
	334.	00:14:19	<i>So we make sure that's sandwiched.</i>
	335.	00:14:21	<i>Okay.</i>
	336.	00:14:22	<i>Very important.</i>
	337.	00:14:24	<i>That's sandwiched.</i>
	338.	00:14:25	<i>I can see.</i>
	339.	00:14:26	<i>And where the scar cut makes sure they go back.</i>
	340.	00:14:28	<i>They come like this at an angle.</i>
	341.	00:14:30	<i>Make sure they go back like that.</i>
	342.	00:14:32	<i>Not flip it over.</i>
	343.	00:14:33	<i>Oh.</i>
	344.	00:14:34	<i>Show it to me on your hands.</i>
	345.	00:14:35	<i>Save it in.</i>
	346.	00:14:36	<i>Okay.</i>
	347.	00:14:37	<i>So if you look at the o-ring.</i>
	348.	00:14:38	<i>They cut at an angle like that.</i>
	349.	00:14:40	<i>Make sure when you put it back.</i>
350.	00:14:42	<i>They go in the same area.</i>	
351.	00:14:44	<i>Okay.</i>	
352.	00:14:45	<i>Not the opposite.</i>	
353.	00:14:46	<i>Then they cut that.</i>	

Frame	#	Time	Spoken text
	354.	00:14:47	Okay.
	355.	00:14:48	<i>I hope you understand it.</i>
	356.	00:14:49	<i>I don't.</i>
	357.	00:14:50	Okay.
	358.	00:14:51	Okay.
	359.	00:14:52	Now.
	360.	00:14:53	<i>How do you ask you?</i>
	361.	00:14:56	<i>You use this one.</i>
	362.	00:14:57	<i>Silicone grease.</i>
	363.	00:14:58	<i>Silicone grease.</i>
	364.	00:15:00	<i>Yeah.</i>
	365.	00:15:01	Okay.
	366.	00:15:02	<i>Make sure you apply silo concrete.</i>
	367.	00:15:05	Okay.
	368.	00:15:06	<i>Doesn't need to be that much.</i>
	369.	00:15:10	<i>All right.</i>
	370.	00:15:13	<i>And apply it up a little.</i>
	371.	00:15:15	<i>So when it goes in.</i>
	372.	00:15:16	<i>It doesn't grab on any sharp edge.</i>
	373.	00:15:19	<i>And it gets cut on the o-ring.</i>
	374.	00:15:22	<i>Then it becomes a leakage.</i>
	375.	00:15:24	Now.
	376.	00:15:25	<i>At this point you might as well apply some.</i>
	377.	00:15:28	Okay.
	378.	00:15:29	<i>So this is prepared.</i>
	379.	00:15:31	<i>Matter in fact.</i>
	380.	00:15:33	<i>What do you call this piece?</i>
	381.	00:15:35	<i>This one is a mounting block for the motor.</i>
	382.	00:15:37	Okay.
	383.	00:15:38	<i>Mounting block.</i>
384.	00:15:39	<i>Matter in fact.</i>	
385.	00:15:40	<i>When you gather enough o-ring for.</i>	
386.	00:15:43	<i>10 set.</i>	



#	Time	Spoken text
387.	00:15:44	Okay.
388.	00:15:45	Yes.
389.	00:15:46	Put it in a little part.



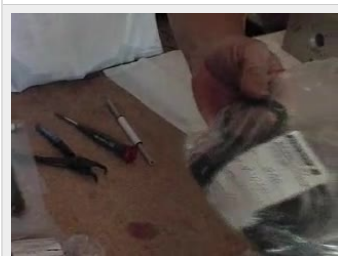
390.	00:15:47	Separate them.
391.	00:15:48	Pump some oil.
392.	00:15:49	Put some hydraulic oil that we use and the valve.
393.	00:15:51	That will lubricate it.
394.	00:15:53	That way you can.



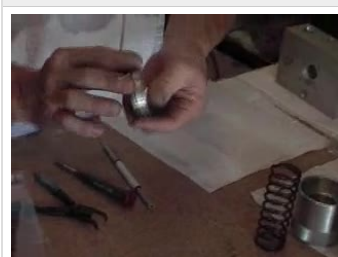
395.	00:15:55	For sure you already lubricate it.
396.	00:15:57	You don't need to put grease.
397.	00:15:58	Okay.
398.	00:15:59	Yes.
399.	00:16:00	Third thing is.



400.	00:16:01	I mean next thing is.
401.	00:16:02	Number 28.
402.	00:16:04	O-ring.
403.	00:16:05	Actually number 32 O-ring.
404.	00:16:09	Number 32 not 28.



405.	00:16:11	Not 28.
406.	00:16:12	32.
407.	00:16:13	It goes into a hydraulic accumulator piston.
408.	00:16:17	Mm-hmm.
409.	00:16:18	Required two of them.




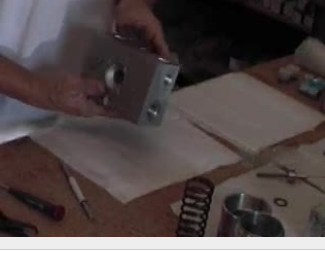







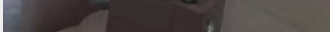

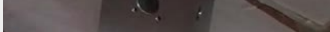


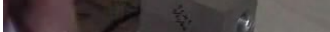


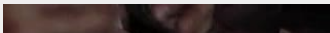

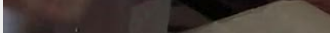
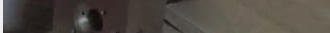






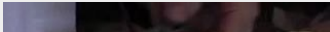

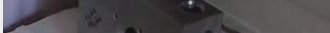







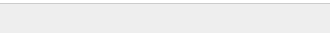
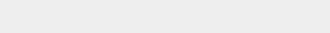
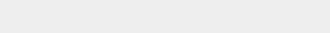
410.	00:16:20	Make sure this thing is nice and shine.
411.	00:16:23	Good finish.
412.	00:16:24	This is also new.
413.	00:16:26	Right?
414.	00:16:27	We didn't have this.



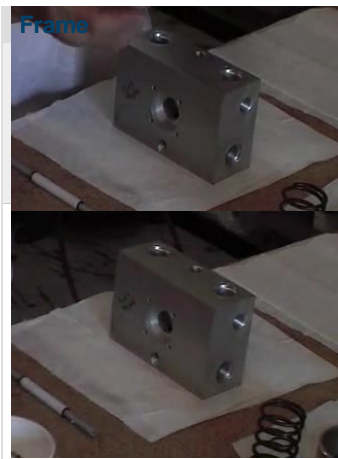
415.	00:16:28	This is old.
416.	00:16:29	Old?
417.	00:16:30	Yeah.
418.	00:16:32	This one is prepared for the reservoir.
419.	00:16:34	Right.

420.	00:16:35	Now vegetable.
421.	00:16:36	Make sure the ID.

Frame	#	Time	Spoken text
	422.	00:16:38	<i>It's clean.</i>
	423.	00:16:40	<i>No burr.</i>
	424.	00:16:41	<i>No niche.</i>
	425.	00:16:43	<i>Good finish.</i>
	426.	00:16:44	<i>When you can run through your hand can detect a 16 finish.</i>
	427.	00:16:48	<i>It needs a 16 plus finish.</i>
	428.	00:16:50	<i>I mean a 16 by 8 or 4 or 6 cannot be anything greater than 16.</i>
	429.	00:16:58	<i>Michael.</i>
	430.	00:16:59	<i>That inches.</i>
	431.	00:17:01	<i>Okay.</i>
	432.	00:17:02	<i>We're done with that.</i>
	433.	00:17:04	<i>This is a thing.</i>
	434.	00:17:06	<i>We leave behind.</i>
	435.	00:17:07	<i>Now we started with this.</i>
	436.	00:17:09	<i>First we drop the chip out in.</i>
	437.	00:17:12	<i>Since we've increased.</i>
	438.	00:17:14	<i>The check up.</i>
	439.	00:17:15	<i>Check up.</i>
	440.	00:17:16	<i>Since we don't have oil on the O-ring we apply some grease.</i>
	441.	00:17:20	<i>Okay.</i>
	442.	00:17:21	<i>The ball angle in first.</i>
	443.	00:17:23	<i>You just drop it in.</i>
	444.	00:17:24	<i>Yes.</i>
	445.	00:17:25	<i>Press it in.</i>
	446.	00:17:26	<i>You just feel that.</i>
	447.	00:17:28	<i>Yes.</i>
	448.	00:17:29	<i>Second one.</i>
	449.	00:17:31	<i>Apply some grease.</i>
	450.	00:17:34	<i>Drop it in.</i>
	451.	00:17:38	<i>Push.</i>
	452.	00:17:39	<i>I didn't hear the click.</i>
	453.	00:17:43	<i>Not yet.</i>

Frame	#	Time	Spoken text
	454.	00:17:44	<i>I didn't get to push it.</i>
	455.	00:17:46	<i>I didn't get something to push it.</i>
	456.	00:17:48	<i>I need something to push it.</i>
	457.	00:17:52	<i>I need something to push it in.</i>
	458.	00:17:55	<i>Okay.</i>
	459.	00:17:56	<i>This one got a little harder.</i>
	460.	00:17:58	<i>Hold on.</i>
	461.	00:17:59	<i>You know what I'm thinking.</i>
	462.	00:18:12	<i>You felt that it didn't click.</i>
	463.	00:18:14	<i>That's why you avoid.</i>
	464.	00:18:15	<i>Yeah.</i>
	465.	00:18:16	<i>After a look, make sure there's no sharp corner.</i>
	466.	00:18:18	<i>Okay.</i>
	467.	00:18:19	<i>Okay.</i>
	468.	00:18:20	<i>Let's try it again.</i>
	469.	00:18:22	<i>Yeah.</i>
	470.	00:18:23	<i>Got it.</i>
	471.	00:18:24	<i>Got it.</i>
	472.	00:18:25	<i>Two more.</i>
	473.	00:18:26	<i>Yeah.</i>
	474.	00:18:27	<i>Same thing.</i>
	475.	00:18:28	<i>Same procedure.</i>
	476.	00:18:29	<i>Okay.</i>
	477.	00:18:30	<i>Great.</i>
	478.	00:18:31	<i>All right.</i>
	479.	00:18:32	<i>Okay.</i>
	480.	00:18:33	<i>Next thing.</i>
	481.	00:18:34	<i>Okay.</i>
	482.	00:18:35	<i>Great.</i>
	483.	00:18:36	<i>All right.</i>
	484.	00:18:37	<i>Okay.</i>
	485.	00:18:38	<i>Next thing.</i>
	486.	00:18:39	<i>It should block everything around.</i>
	487.	00:18:41	<i>No, no.</i>





#	Time	Spoken text
488.	<b>00:18:42</b>	<i>It doesn't go with the tripod.</i>
489.	<b>00:18:43</b>	<i>Yeah.</i>

490.	<b>00:18:44</b>	<i>Because I have to adjust all the time when you move it.</i>
491.	<b>00:18:45</b>	<i>Okay.</i>
492.	<b>00:18:46</b>	<i>Okay.</i>
493.	<b>00:18:47</b>	<i>What do you need?</i>
494.	<b>00:18:48</b>	<i>Have fun.</i>



495.	<b>00:18:49</b>	<i>Take a stick.</i>
496.	<b>00:18:50</b>	<i>I got one.</i>
497.	<b>00:18:51</b>	<i>All right.</i>
498.	<b>00:18:52</b>	<i>Next thing.</i>
499.	<b>00:18:53</b>	<i>It should block everything around.</i>



500.	<b>00:18:54</b>	<i>No, no.</i>
501.	<b>00:18:55</b>	<i>It doesn't go with the tripod.</i>
502.	<b>00:18:56</b>	<i>No.</i>
503.	<b>00:18:57</b>	<i>Yeah.</i>
504.	<b>00:18:58</b>	<i>Because I have to adjust all the time when you move it.</i>



505.	<b>00:18:59</b>	<i>Okay.</i>
506.	<b>00:19:00</b>	<i>Okay.</i>
507.	<b>00:19:01</b>	<i>What do you need?</i>
508.	<b>00:19:02</b>	<i>Have fun.</i>
509.	<b>00:19:04</b>	<i>Have fun tape.</i>










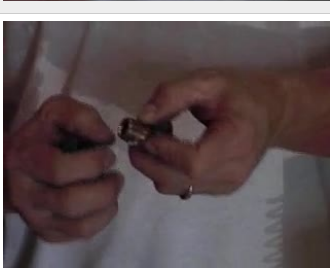
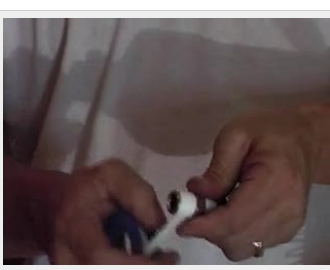



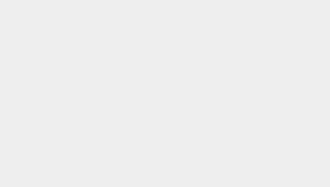
510.	<b>00:19:05</b>	<i>Have fun tape.</i>
511.	<b>00:19:06</b>	<i>Okay.</i>
512.	<b>00:19:07</b>	<i>Have fun tape.</i>
513.	<b>00:19:08</b>	<i>All the plug.</i>
514.	<b>00:19:09</b>	<i>These are the plugs on the outside.</i>











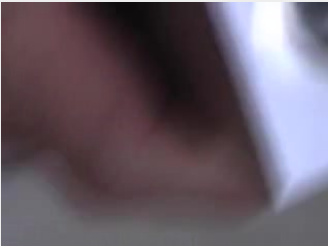




515.	<b>00:19:10</b>	<i>Before we had the leak, right?</i>
516.	<b>00:19:18</b>	<i>Is that the one?</i>
517.	<b>00:19:19</b>	<i>No.</i>
518.	<b>00:19:20</b>	<i>That's one of them.</i>
519.	<b>00:19:21</b>	<i>It's right here in the back.</i>








520.	<b>00:19:22</b>	<i>Okay.</i>
521.	<b>00:19:23</b>	<i>But it's a similar one.</i>







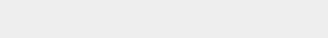
Frame	#	Time	Spoken text
	522.	00:19:24	Yeah.
	523.	00:19:25	It's a similar one.
	524.	00:19:26	Yeah.
	525.	00:19:27	Okay.
	526.	00:19:28	But this round we're going to put a tough one tape.
	527.	00:19:32	All the plug.
	528.	00:19:33	I mean, the MPT plug.
	529.	00:19:35	Okay.
	530.	00:19:36	Let me put a tough one tape.
	531.	00:19:37	You can try now.
	532.	00:19:38	The groove is open.
	533.	00:19:40	The tap it deeper.
	534.	00:19:42	So you put six, what do you call it?
	535.	00:19:43	Six rounds or something?
	536.	00:19:44	Six rounds or tap one tape.
	537.	00:19:45	Six rounds or tap one tape.
	538.	00:19:46	Only for this particular part because the tap it a little too deep.
	539.	00:19:52	So this one, six, the other one will be four.
	540.	00:19:54	Four will be four.
	541.	00:19:55	Now the future blocks we're making, we can make this all the same.
	542.	00:19:59	So they all will be four or something?
	543.	00:20:01	I think this one will be difficult because it's not standard.
	544.	00:20:05	Okay.
	545.	00:20:06	You need to go all the way out otherwise you cannot mount it against the hydraulic cylinder.
	546.	00:20:11	It's in the drawing, right?
	547.	00:20:12	Yes.
	548.	00:20:13	So Jerry, you know this particular thing.
	549.	00:20:15	Yes.
	550.	00:20:16	The next time if you tap regular tap, if you buy this, you don't need to go deeper.
	551.	00:20:21	You buy this, but that will be fine.
	552.	00:20:24	So what it costs another 10 cents, 50 cents more.
553.	00:20:28	You don't have a headache.	

Frame	#	Time	Spoken text
	554.	00:20:35	<i>You know this is shorter, right?</i>
	555.	00:20:36	<i>Those plugs?</i>
	556.	00:20:37	<i>Oh, yeah.</i>
	557.	00:20:38	<i>The hydraulic.</i>
	558.	00:20:39	<i>Yeah.</i>
	559.	00:20:40	<i>That's shorter.</i>
	560.	00:20:46	<i>So I'm going to say we need tape on all the MP3, which means it's a tape.</i>
	561.	00:20:50	<i>MP3.</i>
	562.	00:20:51	<i>MP because it's tapered down.</i>
	563.	00:20:53	<i>And the one which are straight, we don't.</i>
	564.	00:20:55	<i>They call it a pipe thread.</i>
	565.	00:20:57	<i>Pipe thread.</i>
	566.	00:20:58	<i>If we put it on the straight one, it's not going to hurt.</i>
	567.	00:21:00	<i>No, not good.</i>
	568.	00:21:01	<i>Not good.</i>
	569.	00:21:02	<i>I see.</i>
	570.	00:21:03	<i>Okay.</i>
	571.	00:21:04	<i>Don't put it on the straight one.</i>
	572.	00:21:05	<i>Okay.</i>
	573.	00:21:06	<i>Go to engineering school.</i>
	574.	00:21:07	<i>But you missed me there.</i>
	575.	00:21:16	<i>Yeah.</i>
	576.	00:21:17	<i>Okay.</i>
	577.	00:21:18	<i>I see the elbow.</i>
	578.	00:21:21	<i>The elbow is necessary for the transducer here.</i>
	579.	00:21:24	<i>The pressure, otherwise the pressure transducer will be sticking out.</i>
	580.	00:21:29	<i>Okay.</i>
	581.	00:21:30	<i>Okay.</i>
	582.	00:21:31	<i>Next step.</i>
	583.	00:21:32	<i>Okay.</i>
	584.	00:21:33	<i>Put it in the sleeve.</i>
	585.	00:21:40	<i>Take out the spool, but very careful.</i>
	586.	00:21:45	<i>Put it in the clean area.</i>
	587.	00:21:46	<i>Don't drop.</i>
	588.	00:21:47	<i>Don't do anything to it.</i>

Frame	#	Time	Spoken text
	589.	00:21:48	<i>And don't mix it with any other because they are hung and lapped to fit into it.</i>
	590.	00:21:53	<i>They are made in part.</i>
	591.	00:21:55	<i>Okay.</i>
	592.	00:21:56	<i>So each spool going with particular sleeve.</i>
	593.	00:22:00	<i>Yes.</i>
	594.	00:22:01	<i>You cannot mix them up.</i>
	595.	00:22:02	<i>Yeah.</i>
	596.	00:22:03	<i>Don't mix them up.</i>
	597.	00:22:04	<i>Uh-huh.</i>
	598.	00:22:05	<i>Right.</i>
	599.	00:22:06	<i>Okay.</i>
	600.	00:22:07	<i>Now that one has no o-ring with the groove.</i>
	601.	00:22:08	<i>Yes.</i>
	602.	00:22:09	<i>Please in this point.</i>
	603.	00:22:10	<i>Going down.</i>
	604.	00:22:11	<i>So you get a little.</i>
	605.	00:22:12	<i>I understand.</i>
	606.	00:22:13	<i>That's the confusion that was.</i>
	607.	00:22:14	<i>The one that he said no o-rings was interpreted as no o-rings on the whole thing.</i>
	608.	00:22:20	<i>Yeah.</i>
	609.	00:22:21	<i>Is that possible?</i>
	610.	00:22:23	<i>Next time when you send the o-rings.</i>
	611.	00:22:26	<i>No o-rings.</i>
	612.	00:22:27	<i>Thomas said no o-rings, but don't forget the other two o-rings.</i>
	613.	00:22:30	<i>Okay.</i>
	614.	00:22:31	<i>See?</i>
	615.	00:22:32	<i>I'm going to get some paper for the tape.</i>
	616.	00:22:33	<i>Put it in together.</i>
	617.	00:22:34	<i>Okay.</i>
	618.	00:22:35	<i>Come on.</i>
	619.	00:22:36	<i>To clean it.</i>

Frame	#	Time	Spoken text
	620.	00:22:37	<i>It's a little.</i>
	621.	00:22:40	<i>Oh, it's a little dirt or something?</i>
	622.	00:22:47	<i>It's a piece of metal.</i>
	623.	00:22:54	<i>No kidding.</i>
	624.	00:22:55	<i>Yeah.</i>
	625.	00:22:56	<i>A small one can give you a hard time to push it in.</i>
	626.	00:22:58	<i>Then you should not use it for your pain.</i>
	627.	00:23:00	<i>Also it can make it stuck later on.</i>
	628.	00:23:02	<i>Yeah.</i>
	629.	00:23:03	<i>So how you push it one minute.</i>
	630.	00:23:06	<i>Let me see.</i>
	631.	00:23:07	<i>Just with your fingers.</i>
	632.	00:23:09	<i>Mm-hmm.</i>
	633.	00:23:10	<i>Is it pushed already all the way?</i>
	634.	00:23:12	<i>No.</i>
	635.	00:23:13	<i>No.</i>
	636.	00:23:14	<i>Not yet.</i>
	637.	00:23:15	<i>Trying to.</i>
	638.	00:23:16	<i>Something is not straight.</i>
	639.	00:23:19	<i>Give me one minute.</i>
	640.	00:23:24	<i>Okay.</i>
	641.	00:23:25	<i>Okay.</i>
	642.	00:23:26	<i>Your run now is too great.</i>
	643.	00:23:27	<i>Huh?</i>
	644.	00:23:28	<i>Someone run now is too great.</i>
	645.	00:23:30	<i>The o-rings is too big?</i>
	646.	00:23:32	<i>No, no, no.</i>
	647.	00:23:33	<i>I-O-D of the- of the school.</i>
	648.	00:23:37	<i>Or the parties.</i>
	649.	00:23:39	<i>There's a run now is too great.</i>
	650.	00:23:41	<i>I can get it too.</i>
	651.	00:23:43	<i>Okay.</i>

Frame	#	Time	Spoken text
	652.	<b>00:23:44</b>	<i>Oh, we got it.</i>
	653.	<b>00:23:45</b>	<i>Okay.</i>
	654.	<b>00:23:46</b>	<i>In fact, it's good.</i>
	655.	<b>00:23:47</b>	<i>It was a little bit tough.</i>
	656.	<b>00:23:48</b>	<i>Right.</i>
	657.	<b>00:23:49</b>	<i>Now.</i>
	658.	<b>00:23:50</b>	<i>It goes through this one.</i>
	659.	<b>00:23:51</b>	<i>Yes.</i>
	660.	<b>00:23:52</b>	<i>It's about flush.</i>
	661.	<b>00:23:53</b>	<i>It's okay.</i>
	662.	<b>00:23:54</b>	<i>Yes. Okay.</i>
	663.	<b>00:23:55</b>	<i>This side is flush.</i>
	664.	<b>00:23:56</b>	<i>Can you hear the groove?</i>
	665.	<b>00:23:57</b>	<i>Yes.</i>
	666.	<b>00:23:58</b>	<i>With the school.</i>
	667.	<b>00:23:59</b>	<i>With the school.</i>
	668.	<b>00:24:00</b>	<i>It has to be there.</i>
	669.	<b>00:24:01</b>	<i>Yeah.</i>
	670.	<b>00:24:02</b>	<i>It's stick out on the other side.</i>
	671.	<b>00:24:03</b>	<i>Yeah.</i>
	672.	<b>00:24:04</b>	<i>It's stick out.</i>
	673.	<b>00:24:05</b>	<i>This one.</i>
	674.	<b>00:24:06</b>	<i>Number 18.</i>
	675.	<b>00:24:07</b>	<i>O-ring.</i>
	676.	<b>00:24:08</b>	<i>Yes.</i>
	677.	<b>00:24:09</b>	<i>Wrap around it.</i>
	678.	<b>00:24:10</b>	<i>Whoa.</i>
	679.	<b>00:24:11</b>	<i>That's new.</i>
	680.	<b>00:24:12</b>	<i>Okay.</i>
	681.	<b>00:24:13</b>	<i>That's important.</i>
	682.	<b>00:24:15</b>	<i>This is important.</i>
	683.	<b>00:24:17</b>	<i>Yeah.</i>
	684.	<b>00:24:18</b>	<i>You forgot that one too?</i>

Frame	#	Time	Spoken text
	685.	00:24:20	Okay.
	686.	00:24:21	Say what it is.
	687.	00:24:22	Wrap around this sleeve.
	688.	00:24:25	Now the bottom cap.
	689.	00:24:28	This.
	690.	00:24:29	One minute.
	691.	00:24:30	I have to see.
	692.	00:24:31	The other washer.
	693.	00:24:32	Okay.
	694.	00:24:33	Okay.
	695.	00:24:34	Yeah.
	696.	00:24:35	Yeah.
	697.	00:24:36	Facing going in.
	698.	00:24:37	Okay.
	699.	00:24:38	Facing going in.
	700.	00:24:41	What does that mean?
	701.	00:24:44	Concave in.
	702.	00:24:45	Concave in.
	703.	00:24:46	Okay.
	704.	00:24:47	In.
	705.	00:24:48	The center.
	706.	00:24:49	Keep in.
	707.	00:24:50	Go in.
	708.	00:24:51	Okay.
	709.	00:24:52	I see.
	710.	00:24:53	No.
	711.	00:24:54	Just.
	712.	00:24:55	Line them up.
	713.	00:24:58	Line them up.
	714.	00:24:59	Oh, I put that.
	715.	00:25:00	You know I put it in the inside of the part first.
	716.	00:25:03	Oh, it doesn't matter.
	717.	00:25:04	Well.



#	Time	Spoken text
718.	00:25:05	<i>It doesn't matter.</i>
719.	00:25:06	<i>Okay.</i>
720.	00:25:07	<i>Now we're going to screw it in.</i>
721.	00:25:10	<i>Yep.</i>
722.	00:25:15	<i>This is number 1024 half inch socket set screw.</i>
723.	00:25:20	<i>I mean socket screw.</i>
724.	00:25:22	<i>Okay.</i>



725.	00:25:23	<i>Using the wrench.</i>
726.	00:25:24	<i>Five thirty second wrench.</i>
727.	00:25:27	<i>Line.</i>
728.	00:25:28	<i>Give it a little.</i>
729.	00:25:29	<i>10.</i>



730.	00:25:30	<i>24.</i>
731.	00:25:31	<i>10.</i>
732.	00:25:32	<i>24 half inch.</i>
733.	00:25:33	<i>You have a little please.</i>
734.	00:25:37	<i>Okay.</i>



735.	00:25:44	<i>Okay.</i>
736.	00:25:45	<i>What is now Thomas?</i>
737.	00:25:47	<i>iro.</i>
738.	00:25:48	<i>Put in the.</i>
739.	00:25:50	<i>The next thing plucking it.</i>



740.	00:25:52	<i>Plucking it.</i>
741.	00:25:53	<i>What is plucking?</i>
742.	00:25:54	<i>Plucking.</i>
743.	00:25:55	<i>Plucking.</i>
744.	00:25:56	<i>Plucking.</i>

745.	00:25:57	<i>Okay.</i>
746.	00:25:58	<i>You said plucking.</i>
747.	00:25:59	<i>I don't know.</i>
748.	00:26:00	<i>That's Chinese for me.</i>





#	Time	Spoken text
749.	00:26:01	Pluck.
750.	00:26:02	You do plucking.
751.	00:26:03	Okay.
752.	00:26:04	Okay.
753.	00:26:05	It's better than Hebrew.
754.	00:26:06	Don't get insulted.



755.	00:26:07	No.
756.	00:26:08	There's no drop.
757.	00:26:10	It's better than the holy language.
758.	00:26:12	Okay.
759.	00:26:13	Hold on.



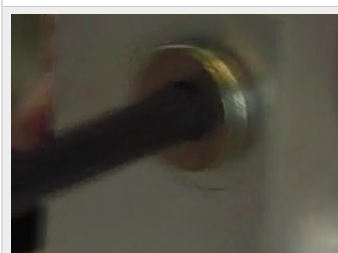
760.	00:26:14	I have all the dust like here.
761.	00:26:15	I just clean it.
762.	00:26:17	I check valve plug is this tight.
763.	00:26:21	Okay.
764.	00:26:28	Okay.



765.	00:26:29	The check valve plug is what type?
766.	00:26:31	What's the name?
767.	00:26:32	It's a brass.
768.	00:26:34	It's a metal.
769.	00:26:35	They call it a boss kidding.



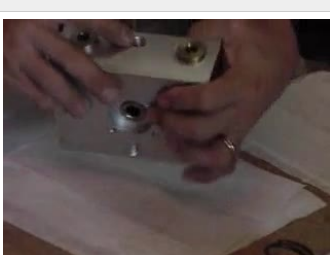

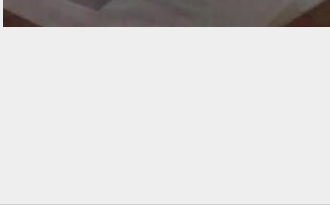

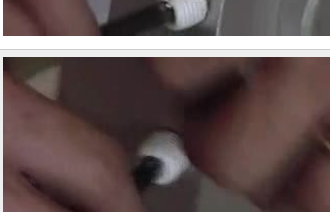








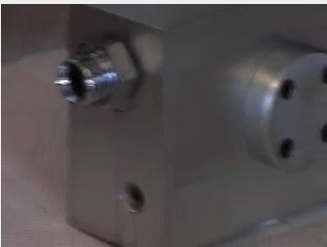
770.	00:26:37	Two quarter inch.
771.	00:26:40	Boss kidding.
772.	00:26:43	I check valve only.
773.	00:26:45	Yeah.
774.	00:26:46	I check valve.



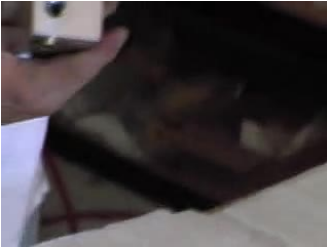
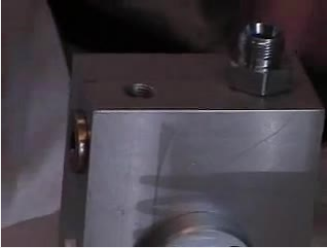


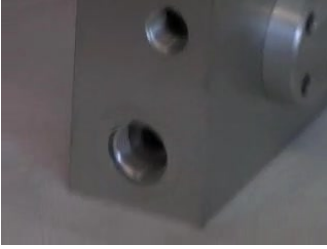




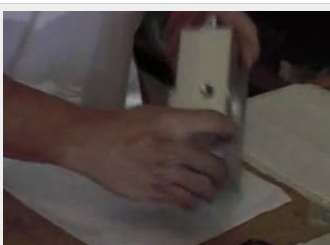



775.	00:26:47	Choose two of them in the front face.
776.	00:26:49	I mean on this face.
777.	00:26:53	Okay.
778.	00:26:55	This one.
779.	00:26:56	You just pull it.








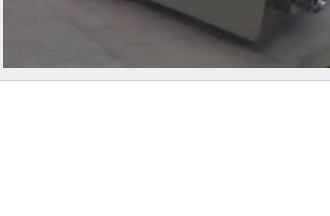
780.	00:26:57	It will stop because it's metal to metal.
781.	00:26:59	You can not go further.
782.	00:27:00	Even if you break your hand it will not go further.
783.	00:27:02	You can strip it.








Frame	#	Time	Spoken text
	784.	00:27:06	<i>This one.</i>
	785.	00:27:09	<i>Please.</i>
	786.	00:27:10	<i>It's important to put grease all the time.</i>
	787.	00:27:12	<i>For me it's it because I can avoid stripping.</i>
	788.	00:27:16	<i>I see.</i>
	789.	00:27:17	<i>I can avoid a lot of other misunfortunes.</i>
	790.	00:27:30	<i>All right.</i>
	791.	00:27:31	<i>Now lock this hole.</i>
	792.	00:27:41	<i>Pull this hole.</i>
	793.	00:27:43	<i>Now this hole.</i>
	794.	00:27:44	<i>This hole.</i>
	795.	00:27:45	<i>We just use a regular MPT.</i>
	796.	00:27:48	<i>We'll be fine.</i>
	797.	00:27:49	<i>Regular MPT.</i>
	798.	00:27:50	<i>Regular MPT.</i>
	799.	00:27:51	<i>We'll be fine.</i>
	800.	00:27:52	<i>What happens in this hole?</i>
	801.	00:27:53	<i>Why this hole exists?</i>
	802.	00:27:54	<i>This hole is to drill the hole as a passage.</i>
	803.	00:27:58	<i>After you drill the hole you have to plug it.</i>
	804.	00:28:00	<i>It creates a passage.</i>
	805.	00:28:01	<i>Okay.</i>
	806.	00:28:02	<i>Connect the valve.</i>
	807.	00:28:03	<i>This tube valve together to center where the outlet is.</i>
	808.	00:28:06	<i>I see.</i>
	809.	00:28:07	<i>Okay.</i>
	810.	00:28:08	<i>Turn it.</i>
	811.	00:28:10	<i>This one you might want to put somewhere around 68.</i>
	812.	00:28:19	<i>62 to 68.</i>
	813.	00:28:21	<i>Inch pound.</i>
	814.	00:28:22	<i>Inch pound.</i>

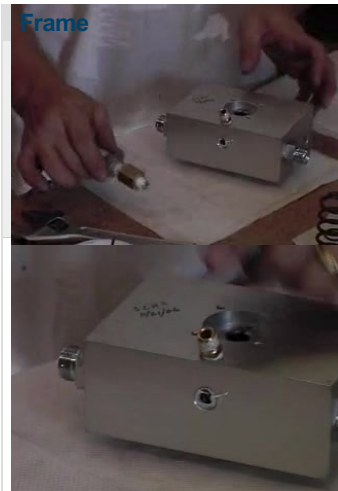
Frame	#	Time	Spoken text
	815.	<b>00:28:23</b>	<i>You have a transducer in your muscle?</i>
	816.	<b>00:28:27</b>	<i>Okay.</i>
	817.	<b>00:28:28</b>	<i>The next.</i>
	818.	<b>00:28:30</b>	<i>This one.</i>
	819.	<b>00:28:31</b>	<i>This side.</i>
	820.	<b>00:28:32</b>	<i>Okay.</i>
	821.	<b>00:28:33</b>	<i>This side.</i>
	822.	<b>00:28:34</b>	<i>Okay.</i>
	823.	<b>00:28:36</b>	<i>Okay.</i>
	824.	<b>00:28:39</b>	<i>This fitting.</i>
	825.	<b>00:28:40</b>	<i>You use up the.</i>
	826.	<b>00:28:42</b>	<i>Oh yeah.</i>
	827.	<b>00:28:43</b>	<i>Get another one.</i>
	828.	<b>00:28:44</b>	<i>Yeah.</i>
	829.	<b>00:28:45</b>	<i>If you use up you have to buy it or else you have to fit in.</i>
	830.	<b>00:28:48</b>	<i>You know what happened?</i>
	831.	<b>00:28:49</b>	<i>That was what I was saying.</i>
	832.	<b>00:28:50</b>	<i>I didn't know that you could use them again.</i>
	833.	<b>00:28:53</b>	<i>Yeah.</i>
	834.	<b>00:28:54</b>	<i>You can use that again.</i>
	835.	<b>00:28:55</b>	<i>As long as you use the center.</i>
	836.	<b>00:28:57</b>	<i>Okay.</i>
	837.	<b>00:28:58</b>	<i>Now that's on top of the other shack valves up and down.</i>
	838.	<b>00:29:02</b>	<i>Where's the nut at least you have to use.</i>
	839.	<b>00:29:05</b>	<i>You have to get a whole new assembly.</i>
	840.	<b>00:29:07</b>	<i>Okay.</i>
	841.	<b>00:29:08</b>	<i>But anyway.</i>
	842.	<b>00:29:09</b>	<i>Get whatever.</i>
	843.	<b>00:29:10</b>	<i>Put it that way.</i>
	844.	<b>00:29:12</b>	<i>Okay.</i>
	845.	<b>00:29:13</b>	<i>This one.</i>
	846.	<b>00:29:14</b>	<i>Let me get the wrench.</i>
	847.	<b>00:29:17</b>	<i>Because the metal to metal will not go anywhere.</i>
	848.	<b>00:29:22</b>	<i>It's already sealed anyway.</i>
	849.	<b>00:29:24</b>	<i>So it was.</i>

Frame	#	Time	Spoken text
	850.	00:29:25	<i>Sure.</i>
	851.	00:29:26	<i>It was sealed.</i>
	852.	00:29:28	<i>All right.</i>
	853.	00:29:29	<i>Now this end.</i>
	854.	00:29:31	<i>I believe it is.</i>
	855.	00:29:33	<i>So now you have the check valves in.</i>
	856.	00:29:35	<i>You have the spooler in.</i>
	857.	00:29:36	<i>You have the sleeve in.</i>
	858.	00:29:37	<i>It's almost there.</i>
	859.	00:29:39	<i>Okay.</i>
	860.	00:29:40	<i>Actually the spooler you don't have yet.</i>
	861.	00:29:42	<i>I mean the.</i>
	862.	00:29:43	<i>The screw you don't have yet.</i>
	863.	00:29:45	<i>This is so good.</i>
	864.	00:29:46	<i>Plucky too.</i>
	865.	00:29:48	<i>We'll do it.</i>
	866.	00:29:49	<i>And quickly and continue to do it.</i>
	867.	00:29:51	<i>That's the one on the bottom now.</i>
	868.	00:29:53	<i>Yeah.</i>
	869.	00:29:54	<i>This is on the bottom side.</i>
	870.	00:29:56	<i>These are all tapered screws.</i>
	871.	00:29:58	<i>Yeah.</i>
	872.	00:29:59	<i>That's why you put.</i>
	873.	00:30:00	<i>Yeah.</i>
	874.	00:30:01	<i>Have fun tape.</i>
	875.	00:30:02	<i>Yeah.</i>
	876.	00:30:03	<i>Yeah.</i>
	877.	00:30:04	<i>That's loaded on top of the other check valve.</i>
	878.	00:30:05	<i>Mm-hmm.</i>
	879.	00:30:06	<i>Mm-hmm.</i>
	880.	00:30:07	<i>That's loaded on top of the other check valve.</i>
	881.	00:30:18	<i>Mm-hmm.</i>
	882.	00:30:19	<i>Mm-hmm.</i>
	883.	00:30:20	<i>Mm-hmm.</i>
	884.	00:30:29	<i>Mm-hmm.</i>
	885.	00:30:32	<i>Mm-hmm.</i>

Frame	#	Time	Spoken text
	886.	00:30:34	<i>Mm-hmm.</i>
	887.	00:30:36	<i>Mm-hmm.</i>
	888.	00:30:38	<i>Mm-hmm.</i>
	889.	00:30:40	<i>Mm-hmm.</i>
	890.	00:30:42	<i>Mm-hmm.</i>
	891.	00:30:44	<i>Mm-hmm.</i>
	892.	00:30:46	<i>Mm-hmm.</i>
	893.	00:30:48	<i>All right.</i>
	894.	00:30:50	<i>Now, thumb up this face.</i>
	895.	00:30:52	<i>Ready on this face?</i>
	896.	00:30:54	<i>Now, this face.</i>
	897.	00:30:56	<i>This one is a hydraulic plug that's shorter.</i>
	898.	00:31:00	<i>Okay?</i>
	899.	00:31:01	<i>A hydraulic valve and shoulder on this side.</i>
	900.	00:31:03	<i>A hydraulic plug.</i>
	901.	00:31:04	<i>Yeah.</i>
	902.	00:31:05	<i>Yeah, high pressure.</i>
	903.	00:31:06	<i>This MPT plug is shorter.</i>
	904.	00:31:08	<i>Mm-hmm.</i>
	905.	00:31:10	<i>Okay.</i>
	906.	00:31:11	<i>That's because this one is going against the shoulder.</i>
	907.	00:31:13	<i>Yeah.</i>
	908.	00:31:14	<i>Put six to eight round of tough one tape.</i>
	909.	00:31:18	<i>And this one, you have to turn until the plug flushed bottom.</i>
	910.	00:31:24	<i>So, I cannot fit into.</i>
	911.	00:31:28	<i>Mm-hmm.</i>
	912.	00:31:30	<i>Mm-hmm.</i>
	913.	00:31:31	<i>One second after the plug.</i>
	914.	00:31:33	<i>Okay.</i>
	915.	00:31:34	<i>What is next?</i>
	916.	00:31:35	<i>The coffee.</i>
	917.	00:31:36	<i>Now, this face is prepared.</i>

Frame	#	Time	Spoken text
	918.	00:31:38	<i>This one, you leave it next because you put the accumulator into this hole.</i>
	919.	00:31:44	Yes.
	920.	00:31:45	<i>So, this one done prepared.</i>
	921.	00:31:46	<i>This one done prepared.</i>
	922.	00:31:48	<i>This one is finished preparing.</i>
	923.	00:31:50	<i>This one is finished.</i>
	924.	00:31:51	<i>Okay?</i>
	925.	00:31:52	<i>This one is finished.</i>
	926.	00:31:53	<i>Now, this face.</i>
	927.	00:31:54	<i>That's the most important one.</i>
	928.	00:31:56	<i>Okay?</i>
	929.	00:31:57	<i>Nipple.</i>
	930.	00:31:58	<i>Mm-hmm.</i>
	931.	00:31:59	<i>Not like a woman.</i>
	932.	00:32:00	<i>This one has two sides.</i>
	933.	00:32:01	<i>For me, it's the same.</i>
	934.	00:32:03	<i>Mm-hmm.</i>
	935.	00:32:04	<i>Mm-hmm.</i>
	936.	00:32:05	<i>All right.</i>
	937.	00:32:06	<i>All right.</i>
	938.	00:32:07	<i>All right.</i>
	939.	00:32:14	<i>Seven, six, and here we go.</i>
	940.	00:32:20	<i>Okay.</i>
	941.	00:32:21	<i>Now, put this nipple in.</i>
	942.	00:32:26	<i>I'm not going to tie it because you have to put it in your elbow.</i>
	943.	00:32:31	<i>Otherwise, it's difficult to get it in your elbow.</i>
	944.	00:32:34	<i>I'm not going to tie this with an elbow.</i>
	945.	00:32:36	<i>The elbow is the one that Jerry showed him.</i>
	946.	00:32:39	Yes.
	947.	00:32:40	<i>You already are.</i>
	948.	00:32:41	<i>That's for the pressure point.</i>
	949.	00:32:42	<i>Uh-huh.</i>
	950.	00:32:43	<i>Now, with the transducer, I'm not going to put this.</i>
	951.	00:32:50	<i>Because this one I can show you.</i>
	952.	00:32:52	<i>You don't have to put one.</i>
	953.	00:32:53	<i>Okay?</i>

Frame	#	Time	Spoken text
	954.	00:32:54	<i>Put Teflon tape over here.</i>
	955.	00:32:56	<i>Okay?</i>
	956.	00:32:57	<i>Teflon tape over this thing.</i>
	957.	00:33:03	<i>So, make sure you put Teflon tape because this one is a 17-4 stainless steel.</i>
	958.	00:33:07	<i>Plus, all the high pressure is there.</i>
	959.	00:33:09	<i>Yeah.</i>
	960.	00:33:10	<i>Uh-huh.</i>
	961.	00:33:11	<i>So, make sure you have Teflon tape around four rounds is good enough.</i>
	962.	00:33:15	<i>Okay?</i>
	963.	00:33:16	<i>And this one ties into this high pressure fitting.</i>
	964.	00:33:20	<i>Okay?</i>
	965.	00:33:21	<i>Yeah.</i>
	966.	00:33:22	<i>For adapter.</i>
	967.	00:33:23	<i>And then you have an elbow.</i>
	968.	00:33:25	<i>Yeah.</i>
	969.	00:33:26	<i>Call it inch amputee to one eighth amputee.</i>
	970.	00:33:30	<i>There is a female female elbow.</i>
	971.	00:33:32	<i>You tie this into this tight.</i>
	972.	00:33:35	<i>Uh-huh.</i>
	973.	00:33:36	<i>Make sure don't grab on any of this.</i>
	974.	00:33:38	<i>Use a wrench to grab on this hex flash service.</i>
	975.	00:33:42	<i>And this hex flash service to tighten it.</i>
	976.	00:33:45	<i>Let me show you.</i>
	977.	00:33:47	<i>Okay?</i>
	978.	00:33:49	<i>Don't use a bias to grab on this thing.</i>
	979.	00:34:01	<i>Of course.</i>
	980.	00:34:02	<i>Of course.</i>
	981.	00:34:03	<i>If you use a bias, use a bias to grab on the fitting.</i>
	982.	00:34:06	<i>Yeah.</i>
	983.	00:34:07	<i>Not the transducer.</i>
	984.	00:34:08	<i>No, I haven't.</i>
	985.	00:34:10	<i>And you have this.</i>
	986.	00:34:11	<i>Okay?</i>



#	Time	Spoken text
987.	00:34:12	Yeah.
988.	00:34:13	Now, next step.
989.	00:34:14	Talk again about the elbow.
990.	00:34:15	I lost it on the other thing.
991.	00:34:16	So, you're the man.
992.	00:34:17	Okay.
993.	00:34:18	Make sure this, now into the elbow first because before you're now in this.
994.	00:34:20	Yes.



995.	00:34:21	Yes.
996.	00:34:22	Once you're now in the block, make sure it's tight.
997.	00:34:23	Yes.
998.	00:34:24	Yes.
999.	00:34:25	This one, don't go too tight.



1000.	00:34:26	It's only quarter inch, I mean, one eighth amputee.
1001.	00:34:29	Yes.
1002.	00:34:30	If you notice, do you see the hex right here?
1003.	00:34:32	Yes.
1004.	00:34:33	It's still touching.



1005.	00:34:34	It should be good enough.
1006.	00:34:35	Okay.
1007.	00:34:36	It gives a quarter turn to have a turn should be enough.
1008.	00:34:38	Okay.
1009.	00:34:39	Because the one eighth amputee is only take like around 28 to 32 inch pound.










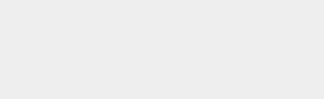
1010.	00:34:43	Mm-hmm.
1011.	00:34:44	Okay?
1012.	00:34:45	Same thing right here.
1013.	00:34:46	Tighten it in.
1014.	00:34:47	Then that will be it.

















1015.	00:34:48	Now, next step.
1016.	00:34:50	Important step.
1017.	00:34:51	Very important.
1018.	00:34:52	After this, prepare.
1019.	00:34:54	All right?








1020.	00:34:55	This, prepare.
1021.	00:34:57	Careful.









Frame	#	Time	Spoken text
	1022.	00:34:58	Try to avoid touching the grease on this because you're going to apply a lock tight with grease if it doesn't feel good.
	1023.	00:35:05	Make sure you clear the center where there's no grease.
	1024.	00:35:10	Before you insert in, pay attention.
	1025.	00:35:12	This hole facing this hole so it can be served in the future.
	1026.	00:35:18	So, insert in carefully through the center.
	1027.	00:35:23	Okay?
	1028.	00:35:24	Mm-hmm.
	1029.	00:35:25	Okay.
	1030.	00:35:26	Chew a little hole.
	1031.	00:35:27	Match it.
	1032.	00:35:28	Mm-hmm.
	1033.	00:35:29	What else?
	1034.	00:35:30	Yes.
	1035.	00:35:31	Right here.
	1036.	00:35:32	All the grease.
	1037.	00:35:33	Wipe it off.
	1038.	00:35:34	Apply the back around.
	1039.	00:35:37	Okay?
	1040.	00:35:38	Damn.
	1041.	00:35:39	I'm not going to put the...
	1042.	00:35:43	I'm not going to put the...
	1043.	00:35:45	Spoon.
	1044.	00:35:46	No.
	1045.	00:35:47	A lock tight so you can see.
	1046.	00:35:48	I can do a choice so you can see how this...
	1047.	00:35:51	Yeah.
	1048.	00:35:52	After you put this, everything nice and clean.
	1049.	00:35:56	No dust.
	1050.	00:35:57	You screw this in.
	1051.	00:36:00	The through hole.
	1052.	00:36:01	Go in.
	1053.	00:36:02	It's crucial.
	1054.	00:36:03	How far do you go?
	1055.	00:36:05	Okay.
	1056.	00:36:06	I can tell.
	1057.	00:36:07	The thread is not fully spread.

Frame	#	Time	Spoken text
	1058.	<b>00:36:09</b>	<i>It's...</i>
	1059.	<b>00:36:10</b>	<i>It's fully spread.</i>
	1060.	<b>00:36:11</b>	<i>It's...</i>
	1061.	<b>00:36:12</b>	<i>You need to be clean.</i>
	1062.	<b>00:36:13</b>	<i>Yeah.</i>
	1063.	<b>00:36:14</b>	<i>You need to buy extra long.</i>
	1064.	<b>00:36:16</b>	<i>Yeah.</i>
	1065.	<b>00:36:17</b>	<i>Okay.</i>
	1066.	<b>00:36:20</b>	<i>Okay.</i>
	1067.	<b>00:36:27</b>	<i>So it's very important that something will be very clean here.</i>
	1068.	<b>00:36:30</b>	<i>The future never do this process last.</i>
	1069.	<b>00:36:33</b>	<i>Because whatever...</i>
	1070.	<b>00:36:35</b>	<i>If this...</i>
	1071.	<b>00:36:37</b>	<i>Banding...</i>
	1072.	<b>00:36:38</b>	<i>210 of a thousand.</i>
	1073.	<b>00:36:40</b>	<i>Your history.</i>
	1074.	<b>00:36:41</b>	<i>Because the clearing area is only 210 of a thousand.</i>
	1075.	<b>00:36:44</b>	<i>Yeah.</i>
	1076.	<b>00:36:45</b>	<i>Okay.</i>
	1077.	<b>00:36:46</b>	<i>Never grab on this with a plier.</i>
	1078.	<b>00:36:49</b>	<i>You grab by your hand.</i>
	1079.	<b>00:36:50</b>	<i>That's why you need a longer one.</i>
	1080.	<b>00:36:51</b>	<i>You're not going to clean it good.</i>
	1081.	<b>00:36:53</b>	<i>Okay.</i>
	1082.	<b>00:36:54</b>	<i>Now next process.</i>
	1083.	<b>00:36:55</b>	<i>Okay.</i>
	1084.	<b>00:36:56</b>	<i>Yes.</i>
	1085.	<b>00:36:57</b>	<i>In this case, I don't sew lock tight.</i>
	1086.	<b>00:36:58</b>	<i>Yeah.</i>
	1087.	<b>00:36:59</b>	<i>In the future case, once you're comfortable,</i>
	1088.	<b>00:37:01</b>	<i>you put one job of a lock tight about the center.</i>
	1089.	<b>00:37:04</b>	<i>Not right here.</i>

Frame	#	Time	Spoken text
	1090.	00:37:05	Not at the end.
	1091.	00:37:06	About the center.
	1092.	00:37:08	Okay.
	1093.	00:37:09	Now the end.
	1094.	00:37:10	Long.
	1095.	00:37:11	Flange.
	1096.	00:37:13	Flange.
	1097.	00:37:14	Go first.
	1098.	00:37:15	It doesn't have thread.
	1099.	00:37:16	Go first.
	1100.	00:37:17	In.
	1101.	00:37:18	And turn.
	1102.	00:37:19	Yeah.
	1103.	00:37:20	Remember there.
	1104.	00:37:21	But how far it done?
	1105.	00:37:22	No.
	1106.	00:37:23	I'm going to tell you.
	1107.	00:37:24	You need to...
	1108.	00:37:25	I used to have a measurement.
	1109.	00:37:30	Okay.
	1110.	00:37:31	Yes.
	1111.	00:37:32	You see?
	1112.	00:37:33	You can see that set screw.
	1113.	00:37:35	Only one thread away.
	1114.	00:37:37	Yes.
	1115.	00:37:38	At that point, you can stop.
	1116.	00:37:40	In this case, that last thread, it got stuck.
	1117.	00:37:45	Yeah.
	1118.	00:37:46	But it's okay.
	1119.	00:37:48	Now.
	1120.	00:37:49	So that's how you're going all the way.
	1121.	00:37:51	All the way.
	1122.	00:37:52	Okay.
	1123.	00:37:53	With my valve, the old one, you didn't go all the way.
	1124.	00:37:56	I'll tell you.

Frame	#	Time	Spoken text
	1125.	<b>00:37:57</b>	<i>I knew what happened.</i>
	1126.	<b>00:37:58</b>	<i>That's very important.</i>
	1127.	<b>00:37:59</b>	<i>Okay.</i>
	1128.	<b>00:38:00</b>	<i>This step, putting this push should do it right after this step.</i>
	1129.	<b>00:38:04</b>	<i>This is not crucial.</i>
	1130.	<b>00:38:06</b>	<i>So I'm going to take it back out in the future.</i>
	1131.	<b>00:38:09</b>	<i>Put in the screw into the body after this step.</i>
	1132.	<b>00:38:13</b>	<i>I see.</i>
	1133.	<b>00:38:14</b>	<i>Okay.</i>
	1134.	<b>00:38:15</b>	<i>Because we need to use the same screw to measure the gap that is opening.</i>
	1135.	<b>00:38:20</b>	<i>Yes.</i>
	1136.	<b>00:38:21</b>	<i>I'll tell you when.</i>
	1137.	<b>00:38:22</b>	<i>All right.</i>
	1138.	<b>00:38:23</b>	<i>Triangle.</i>
	1139.	<b>00:38:24</b>	<i>Okay.</i>
	1140.	<b>00:38:25</b>	<i>Hold this thing with your finger.</i>
	1141.	<b>00:38:28</b>	<i>Push it all the way down.</i>
	1142.	<b>00:38:30</b>	<i>Okay.</i>
	1143.	<b>00:38:31</b>	<i>Now.</i>
	1144.	<b>00:38:32</b>	<i>Let me put some grease.</i>
	1145.	<b>00:38:33</b>	<i>I know that it's dried up already.</i>
	1146.	<b>00:38:35</b>	<i>I have some oil, not grease.</i>
	1147.	<b>00:38:37</b>	<i>Next in the future, put some oil.</i>
	1148.	<b>00:38:39</b>	<i>Grease is too thick for the valve.</i>
	1149.	<b>00:38:41</b>	<i>In this case, I put a very thin layer.</i>
	1150.	<b>00:38:44</b>	<i>Okay.</i>
	1151.	<b>00:38:46</b>	<i>Yes.</i>
	1152.	<b>00:38:49</b>	<i>Okay.</i>
	1153.	<b>00:38:57</b>	<i>Now.</i>
	1154.	<b>00:38:58</b>	<i>With your finger, push this all the way.</i>
	1155.	<b>00:39:00</b>	<i>Hold on to it.</i>
	1156.	<b>00:39:02</b>	<i>And you push all the way in.</i>
	1157.	<b>00:39:04</b>	<i>You see the valve is too far in.</i>
	1158.	<b>00:39:08</b>	<i>Close.</i>
	1159.	<b>00:39:09</b>	<i>You can buy.</i>

Frame	#	Time	Spoken text
	1160.	00:39:10	<i>Does it lock?</i>
	1161.	00:39:11	<i>It's so open.</i>
	1162.	00:39:12	<i>You see the gap?</i>
	1163.	00:39:13	<i>It closed the triangle 100%.</i>
	1164.	00:39:15	<i>Yeah.</i>
	1165.	00:39:16	<i>If you push all the way, this is too far in.</i>
	1166.	00:39:19	<i>Yeah.</i>
	1167.	00:39:20	<i>Too far in.</i>
	1168.	00:39:21	<i>Yeah.</i>
	1169.	00:39:22	<i>No, sticking out of the face is fine.</i>
	1170.	00:39:24	<i>It doesn't leak.</i>
	1171.	00:39:25	<i>But this is too far in.</i>
	1172.	00:39:27	<i>But they work.</i>
	1173.	00:39:28	<i>If it's too far in.</i>
	1174.	00:39:29	<i>I'm sorry.</i>
	1175.	00:39:30	<i>No, no.</i>
	1176.	00:39:31	<i>I'm just making a problem of the step to close.</i>
	1177.	00:39:33	<i>The step to close it is too long.</i>
	1178.	00:39:36	<i>And if you put this in this case like this,</i>
	1179.	00:39:38	<i>it will take 500 steps in order to close.</i>
	1180.	00:39:41	<i>Right.</i>
	1181.	00:39:42	<i>And we cannot go over 450.</i>
	1182.	00:39:43	<i>Yeah.</i>
	1183.	00:39:44	<i>So you don't want to do it.</i>
	1184.	00:39:45	<i>Now with this case,</i>
	1185.	00:39:47	<i>now what you can do at this point,</i>
	1186.	00:39:49	<i>you adjust it from here.</i>
	1187.	00:39:51	<i>Oh.</i>
	1188.	00:39:52	<i>I see.</i>
	1189.	00:39:53	<i>You are for sure doing what you need to do.</i>
	1190.	00:39:56	<i>Okay.</i>
	1191.	00:39:57	<i>Move with the handle a bit so I can take a picture of them.</i>



#	Time	Spoken text
1192.	00:40:00	Okay.
1193.	00:40:01	So now you adjust it from the other end.
1194.	00:40:03	Yes.



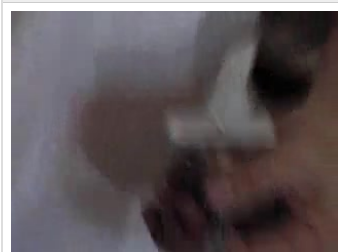
1195.	00:40:04	You're churning it.
1196.	00:40:07	Very nice.
1197.	00:40:08	It was hard to churn because the last thread,
1198.	00:40:10	the last thread, it was churning now.
1199.	00:40:14	Wait.



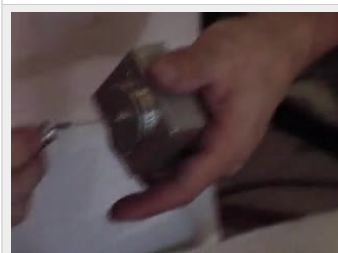
1200.	00:40:15	Hold on.
1201.	00:40:16	There's a little, the scroll down.
1202.	00:40:17	When you're churning this.
1203.	00:40:19	You bring the piston out.
1204.	00:40:20	You put, but it's stuck.



1205.	00:40:23	The last thread, the last thread has a problem.
1206.	00:40:26	You may do it.
1207.	00:40:27	I know how to do it.
1208.	00:40:28	You have a Q-tips?
1209.	00:40:30	I think it's a burr.



1210.	00:40:31	Yeah.
1211.	00:40:32	Let me see.
1212.	00:40:33	Okay.
1213.	00:40:34	Okay.
1214.	00:40:35	Back and up.
















1215.	00:40:42	Let you clean.
1216.	00:40:43	Okay.
1217.	00:40:44	I'm ready.
1218.	00:40:45	Okay.
1219.	00:40:46	Explain what you're doing.



1220.	00:40:48	Try and put back the spool in.
1221.	00:40:50	Yes.
1222.	00:40:51	Earlier we can see there was a big gap.
1223.	00:40:57	Still stuff like that.
1224.	00:41:04	It's okay.

1225.	00:41:05	Now you can turn it.
1226.	00:41:07	Yeah.
1227.	00:41:08	Try.

Frame	#	Time	Spoken text
	1228.	00:41:09	Now since I know that was a big gap,
	1229.	00:41:11	so I screwed it in.
	1230.	00:41:13	This file will go further.
	1231.	00:41:15	Okay.
	1232.	00:41:16	Now, with this,
	1233.	00:41:19	I put some hydraulic oil in.
	1234.	00:41:23	I mean, transmission oil into it.
	1235.	00:41:26	Snap it in.
	1236.	00:41:29	And I hold this down.
	1237.	00:41:32	That's the bone step.
	1238.	00:41:34	Push this down.
	1239.	00:41:35	Hold on to a block.
	1240.	00:41:37	So much dust.
	1241.	00:41:41	You see the opening?
	1242.	00:41:43	If I push it all the way,
	1243.	00:41:45	it goes too far.
	1244.	00:41:46	Right now it's going too far.
	1245.	00:41:48	This is the end of it.
	1246.	00:41:50	You see it?
	1247.	00:41:51	Yes.
	1248.	00:41:52	If I pass over one line,
	1249.	00:41:57	it's too much.
	1250.	00:41:58	That's it.
	1251.	00:41:59	When I was almost one line,
	1252.	00:42:00	you can back it up a little.
	1253.	00:42:02	Okay.
	1254.	00:42:03	So much.
	1255.	00:42:10	Those things need to be playing.
	1256.	00:42:22	Never force it in.
	1257.	00:42:29	Hold on to this.
	1258.	00:42:33	I give it two more turns.
	1259.	00:42:41	I can see the piston turning.

Frame	#	Time	Spoken text
	1260.	<b>00:42:43</b>	<i>So I give it two more turns.</i>
	1261.	<b>00:42:45</b>	<i>I try it again.</i>
	1262.	<b>00:42:47</b>	<i>Look.</i>
	1263.	<b>00:42:48</b>	<i>It reached halfway.</i>
	1264.	<b>00:42:49</b>	<i>But how do I know that it's exactly 350?</i>
	1265.	<b>00:42:52</b>	<i>No.</i>
	1266.	<b>00:42:53</b>	<i>I look at this gap.</i>
	1267.	<b>00:42:55</b>	<i>This first ring and the bottom of this.</i>
	1268.	<b>00:42:59</b>	<i>If I see the tips of this triangle,</i>
	1269.	<b>00:43:05</b>	<i>it's reaching the middle of this,</i>
	1270.	<b>00:43:07</b>	<i>that's good enough.</i>
	1271.	<b>00:43:09</b>	<i>Okay.</i>
	1272.	<b>00:43:10</b>	<i>If you reach the first line,</i>
	1273.	<b>00:43:12</b>	<i>that's already too much.</i>
	1274.	<b>00:43:13</b>	<i>If it reaches the edge of the first line,</i>
	1275.	<b>00:43:16</b>	<i>it's still fine.</i>
	1276.	<b>00:43:17</b>	<i>If it thinks too much, just back it up a little.</i>
	1277.	<b>00:43:20</b>	<i>That's what we had the problem with the other world.</i>
	1278.	<b>00:43:22</b>	<i>Okay.</i>
	1279.	<b>00:43:23</b>	<i>Nice close.</i>
	1280.	<b>00:43:25</b>	<i>You see it?</i>
	1281.	<b>00:43:26</b>	<i>Now, the nice thing about this,</i>
	1282.	<b>00:43:29</b>	<i>you can turn it and try it again.</i>
	1283.	<b>00:43:32</b>	<i>Back it out.</i>
	1284.	<b>00:43:34</b>	<i>Back it out.</i>
	1285.	<b>00:43:35</b>	<i>You see it further in?</i>
	1286.	<b>00:43:36</b>	<i>Yeah.</i>
	1287.	<b>00:43:37</b>	<i>You can tell you.</i>
	1288.	<b>00:43:38</b>	<i>You see how far I go in?</i>
	1289.	<b>00:43:39</b>	<i>Right.</i>
	1290.	<b>00:43:40</b>	<i>You pass the first line.</i>
	1291.	<b>00:43:42</b>	<i>This is the first line.</i>
	1292.	<b>00:43:44</b>	<i>This is the bottom.</i>
	1293.	<b>00:43:46</b>	<i>You pass the first line.</i>



Frame



#	Time	Spoken text
1294.	<b>00:43:48</b>	<i>That's too much.</i>
1295.	<b>00:43:49</b>	<i>Now, if you turn it loose,</i>
1296.	<b>00:43:51</b>	<i>you go this way.</i>
1297.	<b>00:43:52</b>	<i>You can basically see it back in it out.</i>
1298.	<b>00:43:54</b>	<i>Yes.</i>
1299.	<b>00:43:55</b>	<i>You see it?</i>



1300.	<b>00:43:56</b>	<i>Mm-hmm.</i>
1301.	<b>00:43:57</b>	<i>But if you put some grease onto it,</i>
1302.	<b>00:44:00</b>	<i>it will grow up and keep enough crack.</i>
1303.	<b>00:44:02</b>	<i>Okay.</i>
1304.	<b>00:44:03</b>	<i>And turn it.</i>



1305.	<b>00:44:04</b>	<i>Then you can adjust it right here.</i>
1306.	<b>00:44:05</b>	<i>Yeah.</i>
1307.	<b>00:44:06</b>	<i>All right.</i>
1308.	<b>00:44:07</b>	<i>As long as it's still on the piston,</i>
1309.	<b>00:44:08</b>	<i>you can adjust it.</i>






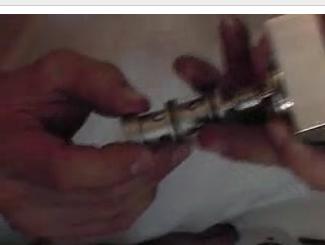








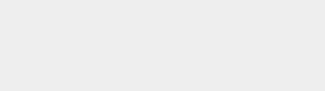
1310.	<b>00:44:09</b>	<i>A lot of time I put this.</i>
1311.	<b>00:44:10</b>	<i>I don't want to twist the wire.</i>
1312.	<b>00:44:12</b>	<i>Yeah, I understand.</i>
1313.	<b>00:44:13</b>	<i>I put it on the table.</i>
1314.	<b>00:44:14</b>	<i>Oh, yeah.</i>



1315.	<b>00:44:15</b>	<i>That's to hold it so the wire don't twist.</i>
1316.	<b>00:44:17</b>	<i>Yes.</i>
1317.	<b>00:44:18</b>	<i>Exactly.</i>
1318.	<b>00:44:19</b>	<i>How many wires you want?</i>
1319.	<b>00:44:20</b>	<i>I can see it already too.</i>

1320.	<b>00:44:21</b>	<i>No, I didn't break them for doing that.</i>
1321.	<b>00:44:22</b>	<i>Okay.</i>
1322.	<b>00:44:23</b>	<i>I'm trying to get it out.</i>
1323.	<b>00:44:24</b>	<i>See?</i>

Frame	#	Time	Spoken text
	1324.	00:44:25	Right here?
	1325.	00:44:26	Yeah.
	1326.	00:44:27	You can turn and you can see it turning along with it.
	1327.	00:44:29	That will also up and down.
	1328.	00:44:32	Okay.
	1329.	00:44:33	Further in.
	1330.	00:44:34	Further in.
	1331.	00:44:35	Out.
	1332.	00:44:36	Out.
	1333.	00:44:37	Out.
	1334.	00:44:38	Out.
	1335.	00:44:39	Okay.
	1336.	00:44:40	You can see it.
	1337.	00:44:42	Now we can now turn.
	1338.	00:44:49	Yes.
	1339.	00:44:50	For me to adjust it in the middle between the first gap and this edge.
	1340.	00:44:57	This edge right here in the first gap.
	1341.	00:45:00	Yes.
	1342.	00:45:01	Right in the middle of it.
	1343.	00:45:03	Yes.
	1344.	00:45:04	I always do that.
	1345.	00:45:05	So you put the triangle where?
	1346.	00:45:07	The tip of the triangle.
	1347.	00:45:09	The end of the triangle.
	1348.	00:45:11	On the middle of this.
	1349.	00:45:15	Between the first group and the end.
	1350.	00:45:19	You can go further in.
	1351.	00:45:20	You can go the tips of the triangle to the right of this edge.
	1352.	00:45:28	Okay.
	1353.	00:45:29	The first group.
	1354.	00:45:30	Okay.
	1355.	00:45:31	First?

Frame	#	Time	Spoken text
	1356.	00:45:32	Yeah.
	1357.	00:45:33	Not made in service into this.
	1358.	00:45:34	Another variable.
	1359.	00:45:35	Okay.
	1360.	00:45:36	Yeah.
	1361.	00:45:37	The point is the gap.
	1362.	00:45:38	Not the gap.
	1363.	00:45:39	Yeah.
	1364.	00:45:40	Yeah.
	1365.	00:45:41	But I was trying to get a place where we could repeat about that.
	1366.	00:45:46	The only way you're going to be able to do that is when you put the scroll in.
	1367.	00:45:50	Make a spacer.
	1368.	00:45:51	A spacer of white.
	1369.	00:45:52	Make a spacer.
	1370.	00:45:54	Okay.
	1371.	00:45:56	Make a spacer to fit in.
	1372.	00:46:01	Right there.
	1373.	00:46:02	Okay.
	1374.	00:46:03	Try to grind the spacer.
	1375.	00:46:04	Try it step by step.
	1376.	00:46:06	How do you get it?
	1377.	00:46:08	The end.
	1378.	00:46:09	The first group to the end is right here.
	1379.	00:46:17	Yeah.
	1380.	00:46:18	So we want to be in between now.
	1381.	00:46:20	Yeah.
	1382.	00:46:21	Okay.
	1383.	00:46:22	At least.
	1384.	00:46:23	This is a triangle.
	1385.	00:46:25	Yeah.
	1386.	00:46:26	Okay.
	1387.	00:46:27	Let's assume that this is a spool.



#	Time	Spoken text
1388.	<b>00:46:29</b>	Okay.
1389.	<b>00:46:30</b>	This is a spool.



1390.	<b>00:46:35</b>	Okay.
1391.	<b>00:46:36</b>	Too far now.
1392.	<b>00:46:42</b>	Too far now.
1393.	<b>00:47:00</b>	I don't know somewhere there.
1394.	<b>00:47:18</b>	Yeah.



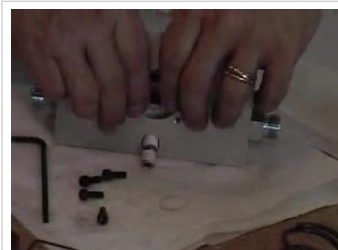
1395.	<b>00:47:19</b>	Okay.
1396.	<b>00:47:20</b>	Now if the tips get to, this is center line.
1397.	<b>00:47:27</b>	Oh.
1398.	<b>00:47:28</b>	Okay.
1399.	<b>00:47:29</b>	Okay.



1400.	<b>00:47:30</b>	Right back.
1401.	<b>00:47:31</b>	Come here again.
1402.	<b>00:47:34</b>	No or wrinkle in.
1403.	<b>00:47:50</b>	Is it in the hole?
1404.	<b>00:47:52</b>	The reason we disassemble it is because we had to adjust the spool on it.



1405.	<b>00:47:57</b>	Because we didn't know where the spool would be.
1406.	<b>00:47:59</b>	Right.
1407.	<b>00:48:00</b>	I know that I just put it for the tape.
1408.	<b>00:48:02</b>	Okay.
1409.	<b>00:48:03</b>	Okay.



1410.	<b>00:48:04</b>	Put it in like that.
1411.	<b>00:48:19</b>	Okay.
1412.	<b>00:48:26</b>	Okay.
1413.	<b>00:48:29</b>	Oh.
1414.	<b>00:48:31</b>	You got it.



1415.	<b>00:48:32</b>	Yeah.
1416.	<b>00:48:33</b>	Somewhere else.
1417.	<b>00:48:35</b>	Somewhere left.
1418.	<b>00:48:38</b>	Okay.
1419.	<b>00:48:39</b>	Yeah.

1420.	<b>00:48:40</b>	Put it in the metal.
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#	Time	Spoken text
1421.	<b>00:48:41</b>	Yeah.
1422.	<b>00:48:42</b>	Nomino is fine.
1423.	<b>00:48:48</b>	It's sleeping like this tightness.
1424.	<b>00:48:53</b>	Then we drop this.



1425.	<b>00:48:55</b>	You see the opening?
1426.	<b>00:48:56</b>	Do the facing, the opposite of the fitting.
1427.	<b>00:48:59</b>	Yes.
1428.	<b>00:49:00</b>	High pressure transducer is.
1429.	<b>00:49:03</b>	Now wait.



1430.	<b>00:49:04</b>	And also put a drop of oil.
1431.	<b>00:49:07</b>	So it can be easy to go back into the spool.
1432.	<b>00:49:10</b>	Never force it in.
1433.	<b>00:49:11</b>	Always shake it to get in.
1434.	<b>00:49:13</b>	That's why we have a wire.



1435.	<b>00:49:14</b>	Shake it.
1436.	<b>00:49:15</b>	Now press it in.
1437.	<b>00:49:17</b>	You can see it.
1438.	<b>00:49:18</b>	More straight.
1439.	<b>00:49:19</b>	Now it's a number 10.







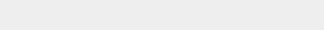


1440.	<b>00:49:21</b>	It's a 1024 one inch long screw.
1441.	<b>00:49:25</b>	Okay.
1442.	<b>00:49:26</b>	Add a little squeeze.
1443.	<b>00:49:35</b>	Give me the paper.
1444.	<b>00:49:36</b>	I think I put it in a metal.



1445.	<b>00:49:38</b>	I think that's the first thing.
1446.	<b>00:49:39</b>	Yeah.
1447.	<b>00:49:40</b>	Okay.
1448.	<b>00:49:41</b>	Put this in.
1449.	<b>00:49:43</b>	Tight it.

1450.	<b>00:49:45</b>	Make sure you tight it.
1451.	<b>00:49:47</b>	Cross.
1452.	<b>00:49:48</b>	Okay.
1453.	<b>00:49:51</b>	You tight.

Frame	#	Time	Spoken text
	1454.	00:49:52	<i>You loosen it.</i>
	1455.	00:49:53	<i>Okay.</i>
	1456.	00:49:54	<i>And just do it in the motion.</i>
	1457.	00:49:55	<i>Yeah.</i>
	1458.	00:49:56	<i>Yeah.</i>
	1459.	00:49:57	<i>Okay.</i>
	1460.	00:49:58	<i>Now this is done.</i>
	1461.	00:49:59	<i>Okay.</i>
	1462.	00:50:00	<i>Right here.</i>
	1463.	00:50:01	<i>Make sure you apply some grease.</i>
	1464.	00:50:03	<i>Okay.</i>
	1465.	00:50:04	<i>And you put the motor.</i>
	1466.	00:50:06	<i>Okay.</i>
	1467.	00:50:08	<i>Careful.</i>
	1468.	00:50:11	<i>Okay.</i>
	1469.	00:50:18	<i>Okay.</i>
	1470.	00:50:24	<i>You turn it until the...</i>
	1471.	00:50:28	<i>The plunger goes up.</i>
	1472.	00:50:30	<i>That way it's open for easy for you to fill oil.</i>
	1473.	00:50:33	<i>You need to open the valve.</i>
	1474.	00:50:35	<i>Right.</i>
	1475.	00:50:36	<i>Okay.</i>
	1476.	00:50:37	<i>Now.</i>
	1477.	00:50:39	<i>That's important.</i>
	1478.	00:50:40	<i>Yeah.</i>
	1479.	00:50:41	<i>You have to take the motor off.</i>
	1480.	00:50:42	<i>Yeah.</i>
	1481.	00:50:43	<i>Yeah.</i>
	1482.	00:50:44	<i>Yes.</i>
	1483.	00:50:45	<i>All right.</i>
	1484.	00:50:46	<i>You turn.</i>
	1485.	00:50:47	<i>You come out.</i>



#	Time	Spoken text
1486.	<b>00:50:48</b>	<i>Now.</i>
1487.	<b>00:50:49</b>	<i>This.</i>
1488.	<b>00:50:50</b>	<i>You mount it here.</i>
1489.	<b>00:50:51</b>	<i>I'm at 1024.</i>



1490.	<b>00:50:54</b>	<i>Half inch full.</i>
1491.	<b>00:50:56</b>	<i>Probably.</i>
1492.	<b>00:50:57</b>	<i>And motor.</i>
1493.	<b>00:50:58</b>	<i>Okay.</i>
1494.	<b>00:50:59</b>	<i>The ground wire.</i>



1495.	<b>00:51:01</b>	<i>Go here.</i>
1496.	<b>00:51:02</b>	<i>Right here is the tank.</i>
1497.	<b>00:51:08</b>	<i>The...</i>
1498.	<b>00:51:09</b>	<i>The hydraulic...</i>
1499.	<b>00:51:10</b>	<i>The accumulator.</i>



1500.	<b>00:51:11</b>	<i>The accumulator right here.</i>
1501.	<b>00:51:12</b>	<i>Okay.</i>
1502.	<b>00:51:13</b>	<i>Now.</i>
1503.	<b>00:51:14</b>	<i>The motor...</i>
1504.	<b>00:51:15</b>	<i>I mean...</i>





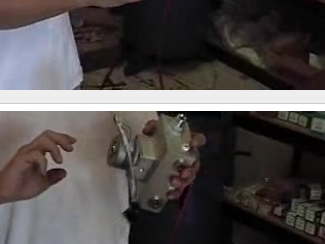




1505.	<b>00:51:16</b>	<i>What is it?</i>
1506.	<b>00:51:20</b>	<i>The accumulator is supposed to go this way.</i>
1507.	<b>00:51:22</b>	<i>I have to unplug this.</i>
1508.	<b>00:51:24</b>	<i>Plug this side.</i>
1509.	<b>00:51:25</b>	<i>The accumulator.</i>



1510.	<b>00:51:26</b>	<i>Go this way.</i>
1511.	<b>00:51:27</b>	<i>Is it right?</i>
1512.	<b>00:51:28</b>	<i>Yes.</i>
1513.	<b>00:51:29</b>	<i>It could be also on the other side.</i>
1514.	<b>00:51:31</b>	<i>You know that.</i>

1515.	<b>00:51:32</b>	<i>It doesn't make difference.</i>
1516.	<b>00:51:33</b>	<i>But it's okay.</i>
1517.	<b>00:51:34</b>	<i>The accumulator goes...</i>
1518.	<b>00:51:35</b>	<i>Oh no.</i>

Frame	#	Time	Spoken text
	1519.	00:51:36	<i>It has to go one side.</i>
	1520.	00:51:37	<i>Because...</i>
	1521.	00:51:38	<i>I have to leave it this side.</i>
	1522.	00:51:40	<i>The accumulator goes this side.</i>
	1523.	00:51:42	<i>Yeah.</i>
	1524.	00:51:43	<i>The accumulator.</i>
	1525.	00:51:44	<i>That's a big port.</i>
	1526.	00:51:46	<i>Yeah.</i>
	1527.	00:51:47	<i>The accumulator goes this side.</i>
	1528.	00:51:50	<i>Anyway, that was not right.</i>
	1529.	00:51:53	<i>Because the tank...</i>
	1530.	00:51:55	<i>If you mount it, the motor is facing out here.</i>
	1531.	00:51:58	<i>The tank has to be facing up.</i>
	1532.	00:52:00	<i>I have my accumulator facing up.</i>
	1533.	00:52:02	<i>So...</i>
	1534.	00:52:03	<i>I know this...</i>
	1535.	00:52:04	<i>I put this wrong.</i>
	1536.	00:52:05	<i>Yeah.</i>
	1537.	00:52:06	<i>Because the back has got to be up against...</i>
	1538.	00:52:08	<i>Yeah.</i>
	1539.	00:52:09	<i>Up against the cylinder.</i>
	1540.	00:52:10	<i>Okay.</i>
	1541.	00:52:11	<i>We made an L in the accumulator side.</i>
	1542.	00:52:12	<i>So we have to remove the plug now and put it on the bottom.</i>
	1543.	00:52:15	<i>Yeah.</i>
	1544.	00:52:16	<i>And put the accumulator on the top.</i>
	1545.	00:52:17	<i>Yeah.</i>
	1546.	00:52:18	<i>The wire facing...</i>
	1547.	00:52:19	<i>Going downward.</i>
	1548.	00:52:20	<i>Opposite of the hydraulic wire.</i>
	1549.	00:52:22	<i>That's an accumulator.</i>
	1550.	00:52:24	<i>Now, the ground wire...</i>
	1551.	00:52:26	<i>You can ground it on this tube.</i>

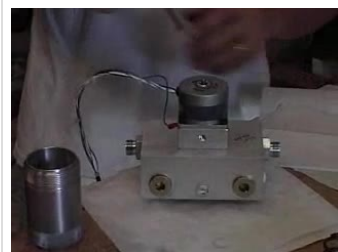




#	Time	Spoken text
1552.	<b>00:52:29</b>	Okay.
1553.	<b>00:52:31</b>	Again, put some grease.
1554.	<b>00:52:40</b>	We'll arrange about a few at a time.



1555.	<b>00:52:43</b>	Wow.
1556.	<b>00:52:44</b>	Yeah.
1557.	<b>00:52:45</b>	Okay.
1558.	<b>00:52:46</b>	You know, old rings don't have a shell fly.
1559.	<b>00:52:49</b>	It does.



1560.	<b>00:52:50</b>	It's not on anywhere.
1561.	<b>00:52:51</b>	No.
1562.	<b>00:52:52</b>	You have to know, depending on the material, all the owner that we use,
1563.	<b>00:52:56</b>	is five years full of shell time.
1564.	<b>00:52:58</b>	Oh, five years.



1565.	<b>00:52:59</b>	Yeah.
1566.	<b>00:53:00</b>	Five years of shell time.
1567.	<b>00:53:01</b>	If you expose to the light, it's two years.
1568.	<b>00:53:04</b>	Which one doesn't have it?
1569.	<b>00:53:06</b>	Five.



1570.	<b>00:53:07</b>	Go.
1571.	<b>00:53:08</b>	Okay.
1572.	<b>00:53:09</b>	We plug it.
1573.	<b>00:53:10</b>	Unplug this.
1574.	<b>00:53:11</b>	I made a mistake.







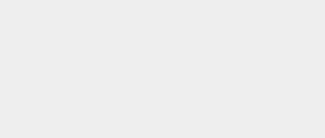








1575.	<b>00:53:12</b>	And we plug it.
1576.	<b>00:53:13</b>	This is a 3-8 amputee.
1577.	<b>00:53:14</b>	Yes.
1578.	<b>00:53:15</b>	Plug it.
1579.	<b>00:53:16</b>	This face prepare.















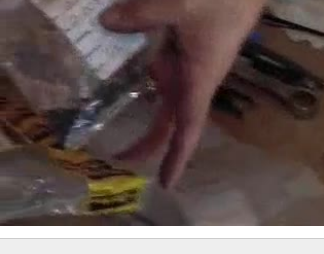
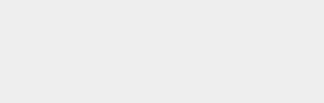
1580.	<b>00:53:17</b>	This face prepare.
1581.	<b>00:53:18</b>	This face is ready.
1582.	<b>00:53:20</b>	This face is ready.
1583.	<b>00:53:21</b>	This hole is for the accumulator.
1584.	<b>00:53:23</b>	This hole is all plugged.

1585.	<b>00:53:25</b>	Okay.
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Frame	#	Time	Spoken text
	1586.	00:53:26	Now we put the accumulator.
	1587.	00:53:29	Three-eight.
	1588.	00:53:30	Quarter.
	1589.	00:53:31	Quarter go in here.
	1590.	00:53:32	Okay.
	1591.	00:53:33	So you have to make an adapter here.
	1592.	00:53:36	One, it's a different size thread.
	1593.	00:53:38	Yeah.
	1594.	00:53:39	Okay.
	1595.	00:53:40	There's no button in there.
	1596.	00:53:41	No.
	1597.	00:53:42	I have to get the right size.
	1598.	00:53:45	Hold on.
	1599.	00:53:46	Hold on.
	1600.	00:53:47	I'll get the right size.
	1601.	00:53:49	You need a quarter quarter?
	1602.	00:53:51	Yeah, you have it.
	1603.	00:53:52	Yeah.
	1604.	00:53:53	Over there.
	1605.	00:53:55	It doesn't have to.
	1606.	00:53:57	Take it out.
	1607.	00:53:58	You just put tight in it.
	1608.	00:54:00	Yeah.
	1609.	00:54:01	Okay.
	1610.	00:54:02	Make sure everything is clean.
	1611.	00:54:04	Okay.
	1612.	00:54:05	Inside is very clean.
	1613.	00:54:07	Inside is very important to be clean.
	1614.	00:54:10	And put the nipple.
	1615.	00:54:13	Okay.
	1616.	00:54:15	Before you put this in.
	1617.	00:54:18	Okay.
	1618.	00:54:19	Install this into the hydraulic cylinder.

Frame	#	Time	Spoken text
	1619.	00:54:23	First.
	1620.	00:54:24	Okay.
	1621.	00:54:25	The reason for that.
	1622.	00:54:27	Because you need access to type of fitting.
	1623.	00:54:31	Really tight.
	1624.	00:54:33	Okay.
	1625.	00:54:34	This.
	1626.	00:54:35	Elbow.
	1627.	00:54:36	Put headphone tape.
	1628.	00:54:38	Screw it into the cylinder.
	1629.	00:54:41	Okay.
	1630.	00:54:42	Like this.
	1631.	00:54:46	You do the same on the back side.
	1632.	00:54:55	Right.
	1633.	00:54:56	That's the easy part, right?
	1634.	00:54:57	Yeah.
	1635.	00:54:58	We don't like that either.
	1636.	00:54:59	Okay.
	1637.	00:55:00	Because we don't have any tubes.
	1638.	00:55:02	Okay.
	1639.	00:55:03	My shell.
	1640.	00:55:04	Okay.
	1641.	00:55:05	All right.
	1642.	00:55:06	Now you cut the tube.
	1643.	00:55:08	You put this in the tube.
	1644.	00:55:10	There's another fitting.
	1645.	00:55:11	Same thing right here.
	1646.	00:55:12	Go into the tube.
	1647.	00:55:13	Then you fit it in.
	1648.	00:55:15	Now the reason is easy.
	1649.	00:55:17	Why we use this flush bottom.

Frame	#	Time	Spoken text
	1650.	<b>00:55:19</b>	<i>Because of this.</i>
	1651.	<b>00:55:21</b>	<i>You tie it in.</i>
	1652.	<b>00:55:22</b>	<i>After you tie all of this fitting.</i>
	1653.	<b>00:55:25</b>	<i>Then you tie this into here.</i>
	1654.	<b>00:55:27</b>	<i>Make sure you use a wrench.</i>
	1655.	<b>00:55:29</b>	<i>To tie this end into here.</i>
	1656.	<b>00:55:31</b>	<i>Hold on.</i>
	1657.	<b>00:55:32</b>	<i>And tie this end into here.</i>
	1658.	<b>00:55:33</b>	<i>You need to use a monkey wrench or a tight wrench.</i>
	1659.	<b>00:55:36</b>	<i>To tie that.</i>
	1660.	<b>00:55:37</b>	<i>Make sure you tie this.</i>
	1661.	<b>00:55:38</b>	<i>Then you're ready to feel oil.</i>
	1662.	<b>00:55:42</b>	<i>Okay.</i>
	1663.	<b>00:55:43</b>	<i>Before feeling oil.</i>
	1664.	<b>00:55:44</b>	<i>Put the linear transducer connected to the hydraulic cylinder.</i>
	1665.	<b>00:55:50</b>	<i>And the hydraulic cylinder.</i>
	1666.	<b>00:55:52</b>	<i>There's some adapter ball eyes there.</i>
	1667.	<b>00:55:55</b>	<i>You go into the machine and tie it to here.</i>
	1668.	<b>00:55:59</b>	<i>Okay.</i>
	1669.	<b>00:56:00</b>	<i>That's the easy part, Joey.</i>
	1670.	<b>00:56:02</b>	<i>Right?</i>
	1671.	<b>00:56:03</b>	<i>Yeah.</i>
	1672.	<b>00:56:04</b>	<i>You want the cylinder.</i>
	1673.	<b>00:56:05</b>	<i>Make sure it's clean.</i>
	1674.	<b>00:56:06</b>	<i>Just like I said.</i>
	1675.	<b>00:56:07</b>	<i>This one's clean.</i>
	1676.	<b>00:56:08</b>	<i>Put o-ring.</i>
	1677.	<b>00:56:09</b>	<i>Put some oil in here.</i>
	1678.	<b>00:56:11</b>	<i>If you can't add the little grease.</i>
	1679.	<b>00:56:14</b>	<i>Little grease.</i>
	1680.	<b>00:56:15</b>	<i>Not too much.</i>
	1681.	<b>00:56:16</b>	<i>Especially the edge at the beginning.</i>
	1682.	<b>00:56:18</b>	<i>Don't put grease all over.</i>
	1683.	<b>00:56:19</b>	<i>Just like the edge.</i>

Frame	#	Time	Spoken text
	1684.	<b>00:56:20</b>	<i>So it's when the first installation of the o-ring.</i>
	1685.	<b>00:56:24</b>	<i>Okay.</i>
	1686.	<b>00:56:26</b>	<i>Prepare installing the put oil.</i>
	1687.	<b>00:56:29</b>	<i>And this one goes in.</i>
	1688.	<b>00:56:31</b>	<i>This plug.</i>
	1689.	<b>00:56:33</b>	<i>And this.</i>
	1690.	<b>00:56:34</b>	<i>And the same.</i>
	1691.	<b>00:56:36</b>	<i>Okay.</i>
	1692.	<b>00:56:37</b>	<i>Show me the two that are the same.</i>
	1693.	<b>00:56:40</b>	<i>This right here.</i>
	1694.	<b>00:56:41</b>	<i>Yes.</i>
	1695.	<b>00:56:42</b>	<i>And the other one.</i>
	1696.	<b>00:56:43</b>	<i>And this right here.</i>
	1697.	<b>00:56:44</b>	<i>I see.</i>
	1698.	<b>00:56:45</b>	<i>Okay.</i>
	1699.	<b>00:56:46</b>	<i>The same thread hole is in the same screw.</i>
	1700.	<b>00:56:48</b>	<i>It's a button hat.</i>
	1701.	<b>00:56:50</b>	<i>1032.</i>
	1702.	<b>00:56:51</b>	<i>Fan thread.</i>
	1703.	<b>00:56:52</b>	<i>Short half inch long.</i>
	1704.	<b>00:56:54</b>	<i>Yes.</i>
	1705.	<b>00:56:55</b>	<i>Okay.</i>
	1706.	<b>00:56:56</b>	<i>You put a number eight o-ring over it.</i>
	1707.	<b>00:56:59</b>	<i>Yes.</i>
	1708.	<b>00:57:00</b>	<i>We did it before.</i>
	1709.	<b>00:57:01</b>	<i>We did it.</i>
	1710.	<b>00:57:02</b>	<i>Number eight o-ring.</i>
	1711.	<b>00:57:04</b>	<i>Okay.</i>
	1712.	<b>00:57:05</b>	<i>Okay.</i>
	1713.	<b>00:57:12</b>	<i>Add some grease to it.</i>
	1714.	<b>00:57:14</b>	<i>That way.</i>
	1715.	<b>00:57:15</b>	<i>It doesn't shear the o-ring when you install it.</i>
	1716.	<b>00:57:18</b>	<i>Put some oil or grease.</i>
	1717.	<b>00:57:23</b>	<i>So it doesn't shear the o-ring when you.</i>
	1718.	<b>00:57:25</b>	<i>When the o-ring goes through those threads.</i>



#	Time	Spoken text
1719.	<b>00:57:27</b>	Okay.
1720.	<b>00:57:28</b>	Put it in.
1721.	<b>00:57:33</b>	Here.
1722.	<b>00:57:40</b>	Okay.
1723.	<b>00:57:46</b>	This one doesn't need to be really tight.
1724.	<b>00:57:48</b>	Okay.



1725.	<b>00:57:49</b>	It's just.
1726.	<b>00:57:51</b>	It's a lip port.
1727.	<b>00:57:53</b>	You don't need to be tight.
1728.	<b>00:57:54</b>	It's just like around 10 inch pounds.
1729.	<b>00:57:57</b>	Good.



1730.	<b>00:57:58</b>	Very light.
1731.	<b>00:57:59</b>	Why we need this holder.
1732.	<b>00:58:00</b>	I don't remember.
1733.	<b>00:58:01</b>	It's a port.
1734.	<b>00:58:02</b>	Also this one.








1735.	<b>00:58:03</b>	When you detect leak.
1736.	<b>00:58:04</b>	It's open this and put the outling wrench and unscrew it to move.
1737.	<b>00:58:10</b>	To move the this.
1738.	<b>00:58:13</b>	He needs thread rod out of the plunger.
1739.	<b>00:58:16</b>	And another one of this with the o-ring.



1740.	<b>00:58:19</b>	Okay.
1741.	<b>00:58:20</b>	It goes into here.
1742.	<b>00:58:22</b>	And then we'll wrangle it really quick.
1743.	<b>00:58:25</b>	That's the last step.
1744.	<b>00:58:28</b>	Did we have this in the old one.

1745.	<b>00:58:30</b>	The top screw there.
1746.	<b>00:58:31</b>	I don't think so.
1747.	<b>00:58:32</b>	The leak.
1748.	<b>00:58:33</b>	The leak.

Frame	#	Time	Spoken text
	1749.	00:58:34	The leak screw.
	1750.	00:58:35	Yeah.
	1751.	00:58:36	But the different screw.
	1752.	00:58:37	The one you have is different.
	1753.	00:58:39	You know what?
	1754.	00:58:40	It's something with a.
	1755.	00:58:42	Something like that.
	1756.	00:58:43	I modified it.
	1757.	00:58:44	So it costs a few pennies.
	1758.	00:58:47	A dollar or two.
	1759.	00:58:49	Okay.
	1760.	00:58:50	Same thing.
	1761.	00:58:51	Create another set.
	1762.	00:58:52	All right.
	1763.	00:58:53	After you fill.
	1764.	00:58:54	Well, on the final plot.
	1765.	00:58:56	You screw this in.
	1766.	00:58:58	Yes.
	1767.	00:58:59	We know that.
			

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