RECALL NOTICE

HYDRO MOBILE
ELEVATING EFFICIENCY

www.hydro-mobile.com
(450) 589-8100 (Canada)
1-888-484-9376 (USA)

REFERENCE NUMBER:	HMT-0097-00-E
SUBJECT:	**Recall #30 F Series PP connection fittings**
EFFECTIVE DATE:	April 13th, 2005
APPLICABLE SERIES:	F
APPLICABLE SERIAL NUMBERS:	N/A

It was brought to Hydro-Mobile's attention that the fittings used on the pilot port (PP) connection on the F Series power pack bridges; main units and "T" connectors might be defective or become defective. When defective, these fittings act as a check valve and trap the pressure in the pilot line going to the main unit, thus preventing the counterbalance valve to work properly. Although no injuries have been reported, it is imperative that all PP connection fittings be replaced to ensure user safety. All pilot port connection fittings on power pack bridges, main units and "T" connectors must be replaced, according to the attached procedure, by the new flush face connection fittings supplied by Hydro-Mobile and the attached **Recall Completion** form must be filled in and sent back to Hydro-Mobile offices for each unit retrofitted. Failure to comply with this recall could result in serious injuries or even death.

The procedure and material pertaining to the recall are attached herein. Hydro-Mobile will provide material to perform the recall on other units, upon request for every unit serial number submitted. Hydro-Mobile will also credit ½ hour of labor for each retrofitted F Series unit upon return of the **Recall Completion** form. Note that travel time expenses will not be subject to reimbursement. Hydro-Mobile will issue a one-time credit once all units have been retrofitted and all Recall Completion forms have been returned to Hydro-Mobile's Canadian office.

This recall must be performed immediately on power packs, units and "T" connectors not yet assigned to or in use on a jobsite. All other power packs, units and "T" connectors must be converted within 10 days of reception of this notice and/or parts.

We truly regret the inconvenience this situation may have caused. We would appreciate any comments or questions you may have regarding this recall. Our Customer Service representatives can be reached toll free at 1-888-484-9376.

125 de L'Industrie - L'Assomption, Qc, J5W 2T9 ☎(450) 589-8100 (450) 589-0370
Toll free:1-888-484-9376 www.hydro-mobile.com

F Series Fitting Recall #30

Units concerned by this recall: All F-Series units with the 4 hoses set up with the Pilot (PP) port.

Failure to perform this recall in the time specified could result in serious injuries or even death. This recall is a major safety issue. It must be performed immediately on power packs, units and "T" connectors not yet assigned or in use on a jobsite. All other power packs, units and "T" connectors must be converted within 10 days of reception of this notice.

Situation

It was brought to our attention that the fittings used on the pilot port (PP) connection on the F series power pack bridges; the main units and "T" connectors might be defective or become defective. When defective, these fittings act as a check valve and trap the pressure in the pilot line going to the main unit, thus preventing the counter balance valve to work properly. It is imperative that all PP connection fittings be replaced. All the pilot port connection fittings on the power pack bridges, the main units and "T" connectors must be replaced by the new flush face connection fittings supplied by Hydro-Mobile and the attached recall record must be filled and sent back to Hydro-Mobile offices. Failure to comply with this recall could result in serious injuries or even death.

Fig.1

Female Fittings

Male Fittings

Fig.2

Old style regular PP connection fittings Part# Female : A0660002-0001 Male: A0660002-0002 ***NEED TO BE REPLACED***	New style flush face PP connection fittings Part# Female : A0660002-0005 Male: A0660002-0006

Tools needed to perform recall: Two sets of wrench or two adjustable crescent wrenches.

Time to perform recall: 30 minutes for a complete F series platform.

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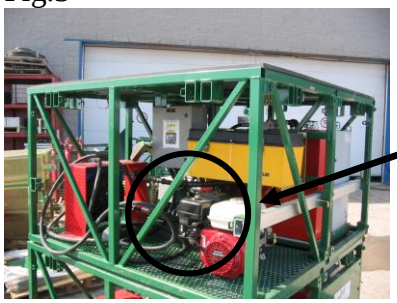
*** A competent & trained mechanic must perform this recall ***

Installation procedure for power pack bridges:

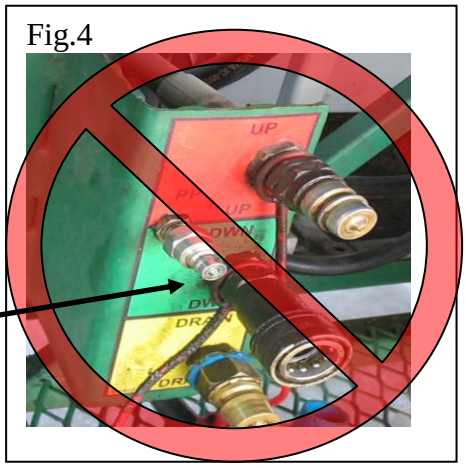
With unit lowered to the ground and engine shut off, follow these easy steps in order to perform the recall properly.

Fig.3



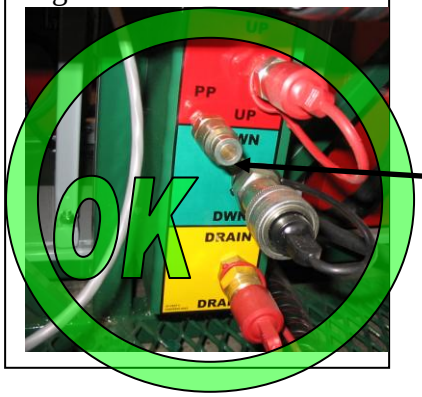
-Location of fitting on power pack bridge

Fig.4



-PP connection on power pack bridge (old style male fitting)
-NEEDS TO BE REPLACED

Fig.5



-PP connection on bridge power pack (new style flush face male fitting)
-AFTER BEING REPLACED

1. Locate the bulkhead connection plate on the power pack (Fig.1).
2. Remove the male end PP connection fitting on the bulkhead connection of the power pack bridge (Fig.4).
3. Wrap Teflon tape on the end of the bulkhead threaded male connector.
4. Install the new male flush face PP connection fitting on the bulkhead connection of the power pack bridge (Fig.5).

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Installation procedure on main unit:

With unit lowered to the ground and engine shut off, follow these easy steps in order to perform recall properly.

Fig.6

-Location of fittings on main unit.
-If unit is in use, hoses will be connected to the power pack bridge.
-2x fittings on each main unit

Fig.7

-PP connection on main unit (old style female fitting).
-NEEDS TO BE REPLACED

Fig.8

-PP connection on main unit (new style female fitting).
-AFTER BEING REPLACED

Repeat procedure for each side of main unit.

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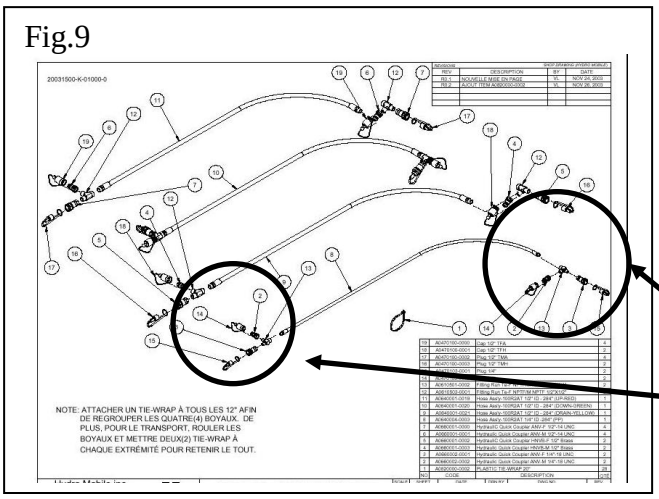
1. Locate the main unit connection hoses.
2. Locate the smallest female fitting on the main unit connection hose.
3. Remove the female end of the PP connection fitting from the main unit.
4. Wrap Teflon tape on the end of the male threaded hose connector.
5. Install new flush face PP connection female fitting on the main unit.

Installation procedure on "T" connector:

With unit lowered to the ground and engine shut off, follow these easy steps in order to perform recall properly. In order to use the unit in 1017 configuration the "T" connector would also need to be retrofitted. There are two fittings on each end of the "T" connector that need to be replaced.

Fig.9



-Both ends need to be retrofitted on the smallest hose.

-PP connection on "T" connector (old style male & female fitting).
-Both ends have 2 fittings, 1x male, 1x female
-NEED TO BE REPLACED

Fig.10

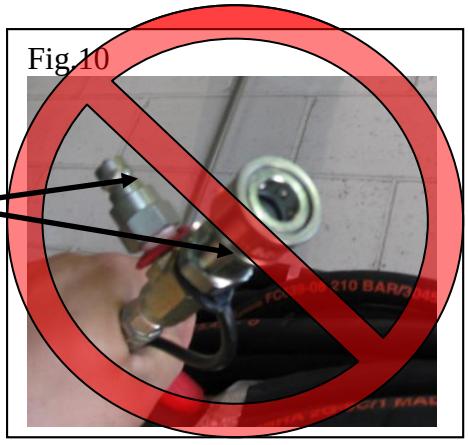


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Fig.11

-PP connection on "T" connector (new style flush face male & female fitting).
-Both ends have 2 fittings, 1x male, 1x female
-AFTER BEING REPLACED

Repeat procedure for each end of "T" connector

1. Identify the small hose and small fitting (1/4") on each end of "T" connector.
2. Remove old style male and female PP connection old fitting (Fig.10) from both ends of the "T" connector.
3. Wrap Teflon tape on the end of the male threaded connector on the "T" connector hose.
4. Install male and female new style flush face PP connection fittings on both ends of the "T" connector.

Once this recall is done, fill the attached recall form and send it to Hydro-Mobile offices. Fill one recall form per F series unit.

Recommended by:

Patrick Fournier
R&D Project Manager

Recommended by:

Sylvain Jean
R&D Project Manager

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125 rue de l'industrie
L'Assomption QC
J5W 2T9

Recall #-30 Completion Form

Pilot port (PP) connection fitting on Power pack bridge, main unit and "T" connector

Date:

Distributor:

Unit owner:

Recall performed by:

Main unit serial #:

Power pack #1 serial #:

Power pack #2 serial # (F1033 only):

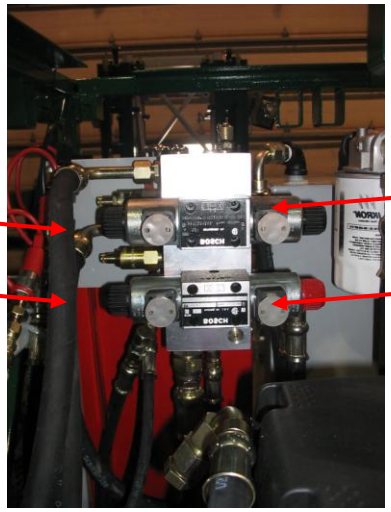
Is this unit used with a "T" connector? YES ☐ NO ☐

Recall done on "T" connector? YES ☐ NO ☐

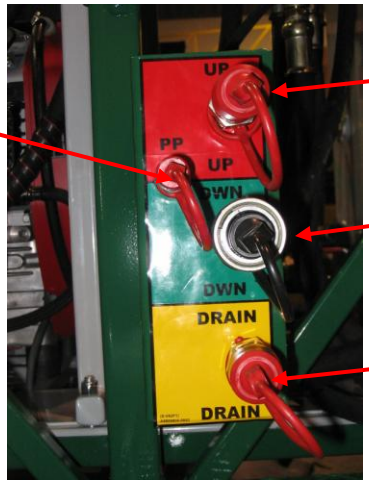
Send this form back to Hydro-Mobile office

Pressure check procedure:

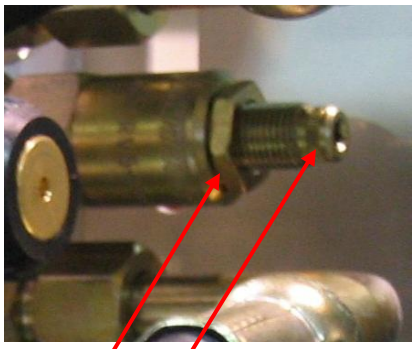
Valve activation



Bulkhead connection



Pressure Adjustments



1-Pressure check on the UP Connection:

Two persons are required in order to perform this procedure, one reading the gauge and the other actuating the valve.

1. Disconnect all the hydraulic connections from the power pack.
2. Connect the pressure gauge on the UP connection, pressure reading should be 0 psi.
3. Start and verify that the Honda engine is set at 3600 RPM, see Honda Operator's manual to adjust the engine speed.
4. By pushing the UP1 for first speed up you should read 2200 psi, release valve and reading should return to 0 psi instantaneously.
5. By pushing on UP1 & UP2 simultaneously for the second speed, the pressure should read 2200 psi release valve and reading should return to 0 psi instantaneously.

<u>UP1 pressure adjustment:</u>

6. On the UP1 relief valve unlock the valve's lock nuts
7. Using an Allen key screw or unscrew the valve's adjustment screw, screwing will rise the pressure and unscrewing will drop the pressure. Pressure should be set to 2200psi while actuating the UP1 valve.
8. Lock the relief valve's lock nut.
9. By pushing the UP1 for first speed up you should read 2200 psi, release valve and reading should return to 0 psi instantaneously.

<u>UP2 pressure adjustment:</u>

10. On the UP1 relief valve unlock the valve's lock nuts
11. Using an Allen key screw or unscrew the valve's adjustment screw, screwing will rise the pressure and unscrewing will drop the pressure. Pressure should be set to 2200psi while actuating the both the UP1 & UP2 valve.
12. Lock the relief valve's lock nut.
13. By pushing on UP1 & UP2 simultaneously for the second speed, the pressure should read 2200 psi release valve and reading should return to 0 psi instantaneously.

It is imperative that the pressure return immediately to 0 Psi as soon as the valve actuation is released. If pressure doesn't return immediately return to 0 or if above value cannot be obtained call Hydro-Mobile technical support.

<u>2-Pressure check on the Down Connection:</u>

Two persons are required in order to perform this procedure, one reading the gauge and the other actuating the valve.

1. Disconnect all the hydraulic connections from the power pack.
2. Connect the pressure gauge on the Down connection, pressure reading should be 0 psi.
3. Start and verify that the Honda engine is set at 3600 RPM, see Honda Operator's manual to adjust the engine speed..
4. By pushing the Down1 for first speed down you should read 1350 psi, release valve and reading should return to 0 psi instantaneously.
5. By pushing on Down1 & Down2 simultaneously for the second speed, the pressure should read 1350-1400 psi, release valve and reading should return to 0 psi instantaneously.

Down1 & Down2 pressure adjustment:

6. On the Down pressure reducing valve, unlock the valve's lock nuts.
7. Using an Allen key screw or unscrew the valve's adjustment screw, screwing will rise the pressure and unscrewing will drop the pressure. Pressure should be set to 1350psi while actuating the down1valve.
8. Lock the relief valve's lock nut.
9. By pushing the Down1 for first speed down you should read 1350 psi, release valve and reading should return to 0 psi instantaneously.
10. By pushing on Down1 & Down2 simultaneously for the second speed, the pressure should read 1350-1400 psi, release valve and reading should return to 0 psi instantaneously.

It is imperative that the pressure return immediately to 0 Psi as soon as the valve actuation is released. If pressure doesn't return immediately return to 0 or if above value cannot be obtained call Hydro-Mobile technical support.

3-Pressure verification on the pilot pressure port (PP):

1. Disconnect all the hydraulic connections from the power pack.

2. Connect the pressure gauge on the PP connection, pressure reading should be 0 psi.
3. Start and verify that the Honda engine is set at 3600 RPM, see Honda Operator's manual to adjust the engine speed..
4. By pushing the UP1valve for first speed up you should read 0 psi, release valve and reading should still be 0 psi.
5. By pushing the Down1 valve for first speed down you should read 2200psi, release valve and reading should immediately drop to 0 psi.

If the above value cannot be obtained call Hydro-Mobile technical support. Do not use the platform until problem is fixed. Failure to do so could result in injuries or even death

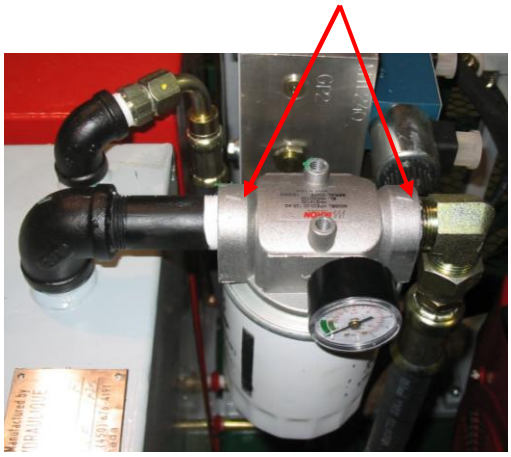
Hydro-Mobile would also like to remind you that the daily, monthly an yearly check list need to be performed according to manufacturers specification and that a service record for each power unit must be maintained. Maintenance should be performed by Hydro-Mobile authorised technician. Failure to perform maintenance work according to manufacturer's specification could result in down time, injuries or death.

A part of a good maintenance program is to check the pressure on a monthly basis and to verify the Oil filter pressure gauge at least once a week, if the reading is in the green zone it is ok, a reading outside the green zone indicate that the filter needs to be replaced.

Also it is very important to respect the flow direction of the filter head when performing maintenance work. Failure to do so could result in severe injury or death.

Filter pressure gauge

Flow direction arrow



HYDRO MOBILE
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RECALL NOTICE

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High efficiency radiator recall

Failure to do so could result in serious injuries or even death. This recall is a major safety issue, immediate action should be taken to perform the recall.

The recent F serie power pack bridges were shipped from the factory with a new high efficiency aluminum radiator and were equipped with a 5 bar (70psi) radiator bypass. Some other unit were retrofitted in the field with the high efficiency radiator and equipped with either a 5 bar bypass or no bypass. During cold weather and/or if the radiator was to clog, an increase in system back pressure could cause the parking brake to disengage therefore creating an unsafe condition that could lead to serious injuries and/or death. All unit equipped with the high efficiency aluminum radiator are subject to this recall. This recall must be perform immediately, failure to comply to this recall may cause serious injuries and/or death.

1. On all the unit equipped with the high efficiency aluminum radiator and equipped with a 5 bar bypass, the bypass needs to be replaced by a 1.5 bar bypass.

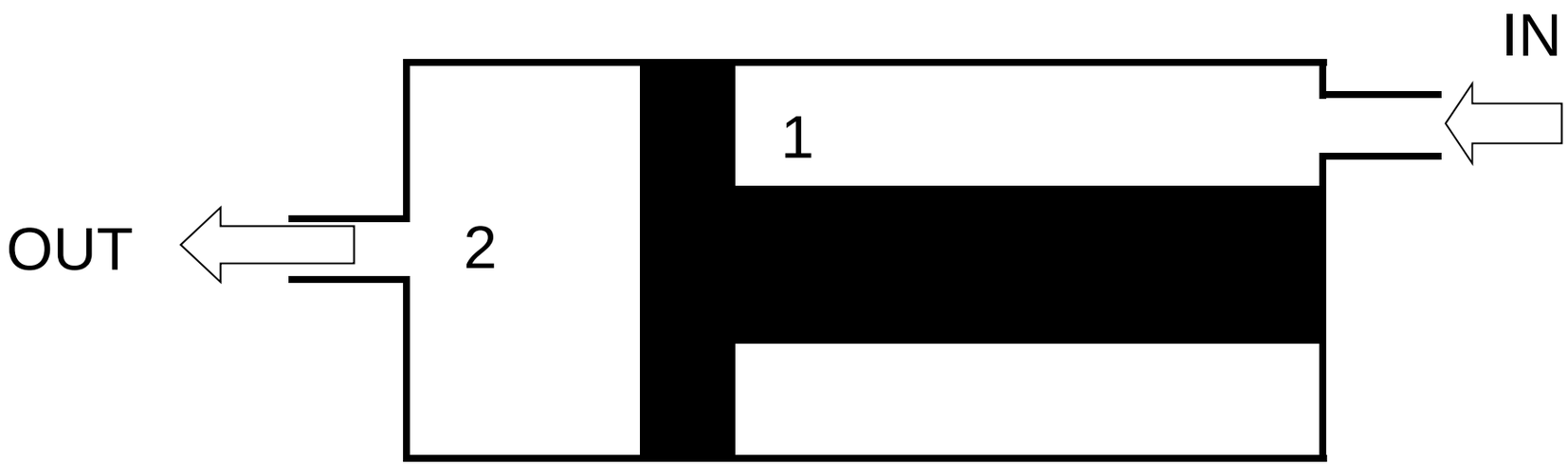
2. On all the unit equipped with the high efficiency aluminum radiator and not originally equipped with a bypass, need to have a bypass installed.

3. All the unit equipped with the black MFR-15 standard radiator are not concerned by this recall as it is already equipped with an internal bypass valve.

Retrofit procedure for Power pack equipped with a 5 psi bypass:

With Unit on the ground and engine shut off follow these easy step

1. Remove the 5 bar bypass from unit.
2. Install the 1.5 bar bypass on the unit, make sure the Flow direction arrow is pointing down.
3. Fill the recall form including power pack serial numbers and send back to hydro mobile.



Surface chambre 1 (po2)	2.5
Surface chambre 2 (po2)	1
ratio de surface	2.5:1

si la pression d'entrée est de 750 psi
la pression de sortie vas etre de 300 psià

donc en gros ca prendrait 750psi de back pressure pour faire desengager le frein !

ajustement de pression de travail et prise de donnée

Date:
 # de série:

Valeur ideale

Gauge dans UP

	neutre	activé
Up1	XXXpsi	2200psi
Up1 & Up2	XXXpsi	2200psi

Gauge dans Down

	neutre	activé
Down1	XXXpsi	1350psi
Down1 & Down2	XXXpsi	1350psi

Gauge dans PP

	neutre	activé
Down1	XXXpsi	2200psi
Up1	XXXpsi	XXXpsi

Valeur mesurées

Gauge dans UP

	neutre	activé
Up1		
Up1 & Up2		

Gauge dans Down

	neutre	activé
Down1		
Down1 & Down2		

Gauge dans PP

	neutre	activé
Down1		
Up1		

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REVISIONS			SHOP DRAWING (HYDRO MOBILE)
REV	DESCRIPTION	BY	DATE
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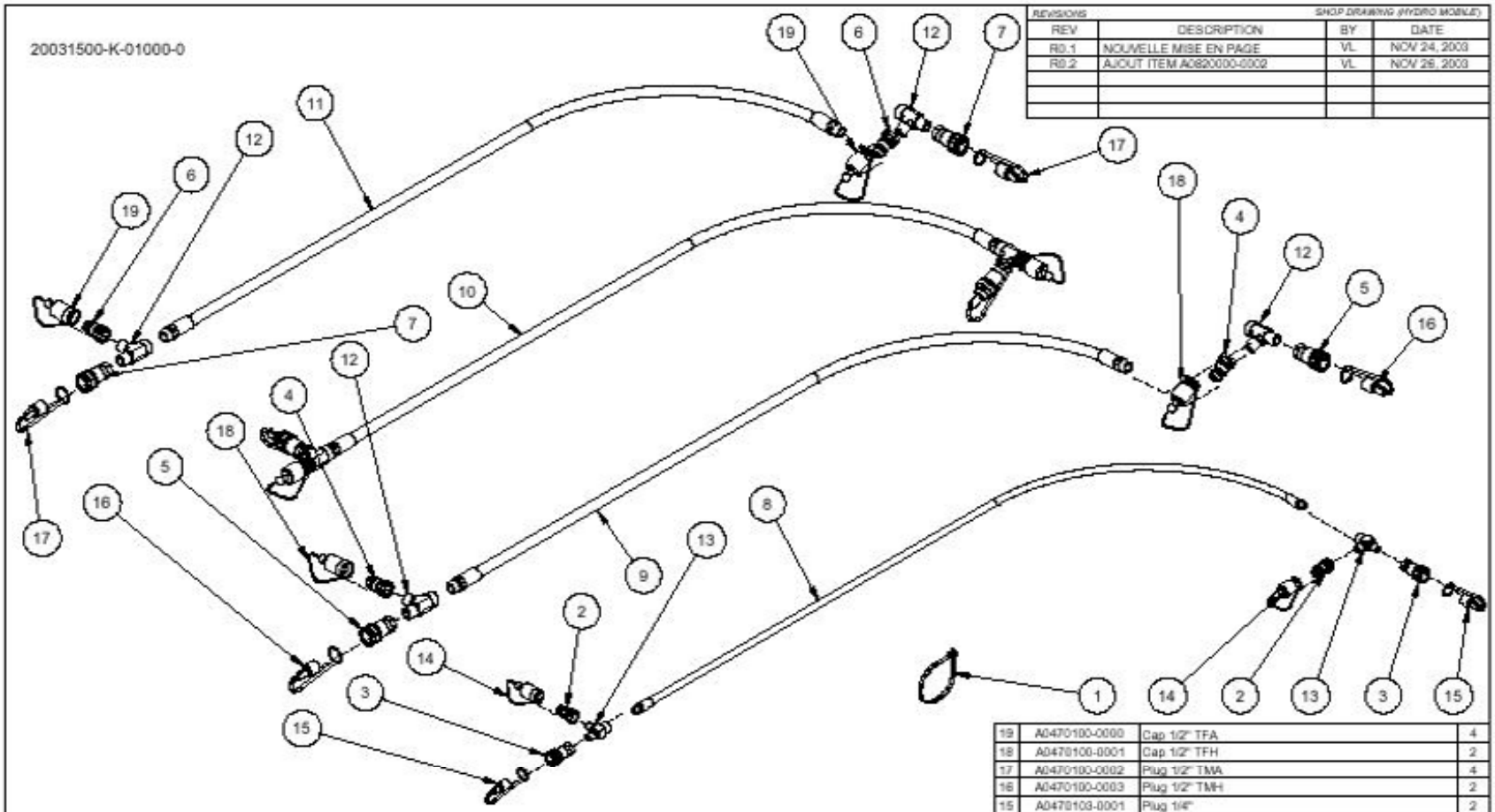
R0.2	AJOUT ITEM A0820000-0002	VL	NOV 26, 2003



NO	CODE	DESCRIPTION	QTÉ
19	A0470100-0000	Cap 1/2" TFA	4
18	A0470100-0001	Cap 1/2" TFH	2
17	A0470100-0002	Plug 1/2" TMA	4
16	A0470100-0003	Plug 1/2" TMH	2
15	A0470103-0001	Plug 1/4"	2
14	A0470103-0002	Cap 1/4"	2
13	A0610501-0002	Fitting Run Te-F NPTF/M NPTF 1/4"X1/4"	2
12	A0610503-0001	Fitting Run Te-F NPTF/M NPTF 1/2"X1/2"	6
11	A0640001-0019	Hose Ass'y-100R2AT 1/2" ID - 284" (UP-RED)	1
10	A0640001-0020	Hose Ass'y-100R2AT 1/2" ID - 284" (DOWN-GREEN)	1
9	A0640001-0021	Hose Ass'y-100R2AT 1/2" ID - 284" (DRAIN-YELLOW)	1
8	A0640004-0003	Hose Ass'y-100R2AT 1/4" ID -284" (PP)	1
7	A0660001-0000	HydraulIC Quick Coupler ANV-F 1/2"-14 UNC	4
6	A0660001-0001	Hydraulic Quick Coupler ANV-M 1/2"-14 UNC	4
5	A0660001-0002	HydraulIC Quick Coupler HNVB-F 1/2" Brass	2
4	A0660001-0003	Hydraulic Quick Coupler HNVB-M 1/2" Brass	2
3	A0660002-0001	Hydraulic Quick Coupler ANV-F 1/4"-18 UNC	2
2	A0660002-0002	Hydraulic Quick Coupler ANV-M 1/4"-18 UNC	2
1	A0820000-0002	PLASTIC TIE-WRAP 20"	28

NOTE: ATTACHER UN TIE-WRAP À TOUS LES 12" AFIN DE REGROUPER LES QUATRE(4) BOYAUX. DE PLUS, POUR LE TRANSPORT, ROULER LES BOYAUX ET METTRE DEUX(2) TIE-WRAP À CHAQUE EXTRÉMITÉ POUR RETENIR LE TOUT.

Hydro Mobile inc.	HOSE HYD. T CONNECTOR KIT - F	SCALE	SHEET	DATE	DRN BY	DWG NO.	REV
TEL.: (514) 589-0503 FAX.: (514) 589-0370		N/A	1 OF 1	NOV 6, 2003	VL	F1017T-K	R0.1

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Start Picture recall PP fitting - Microsof... PDF OK Adobe Acrobat - [F101... FR 12:07 PM


FLOW


3000 PSI
HYSTAR
®

HYSTAR®

In-Line Check Valve

CVT-06-A2 -NPT(60)

Cracking Pressure: 5.0 bar

Corp.

MADE IN TAIWAN

HYSTAR®

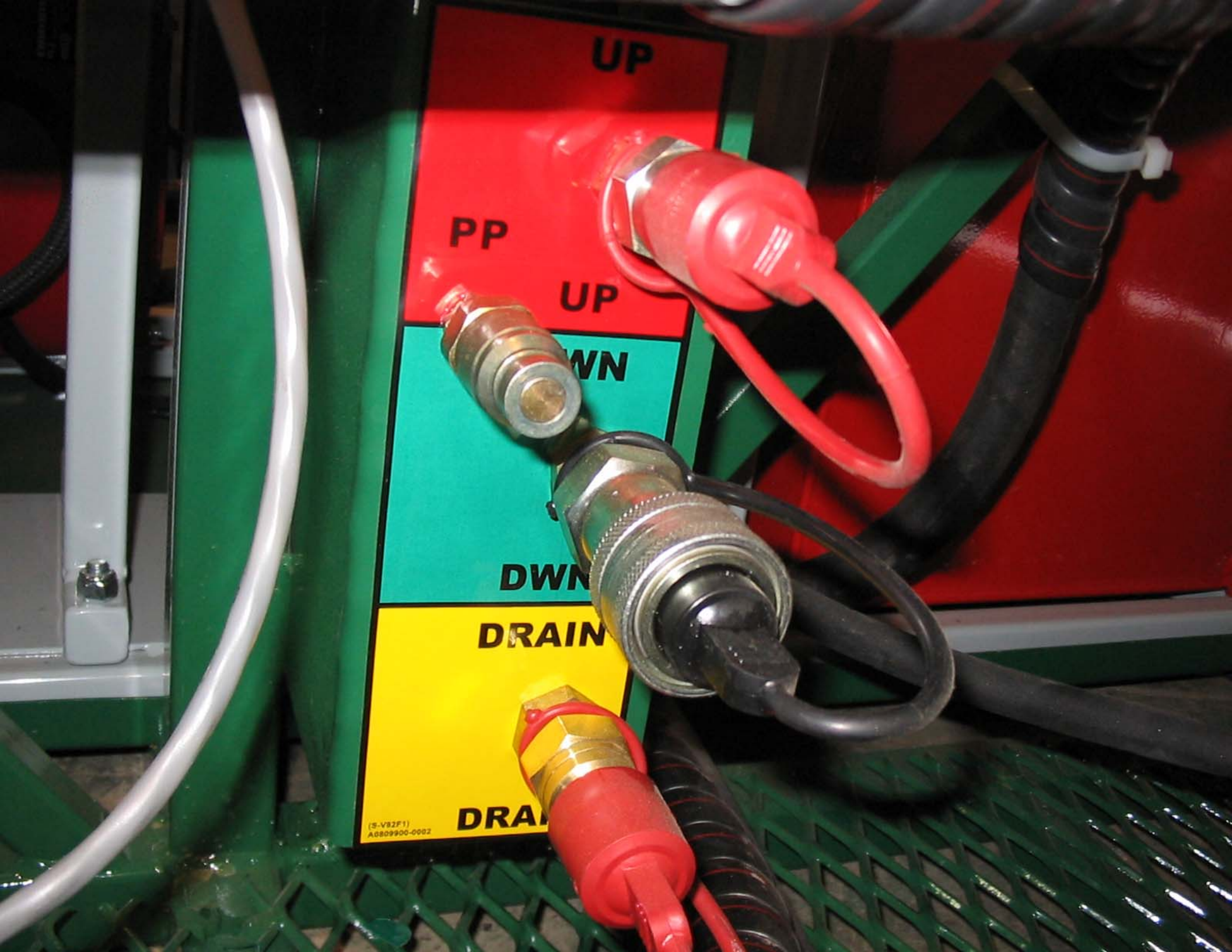
In-Line Check Valve

CVT-06-A2-NPT(60)

Cracking Pressure: 5.0 bar

Corp.

MADE IN TAIWAN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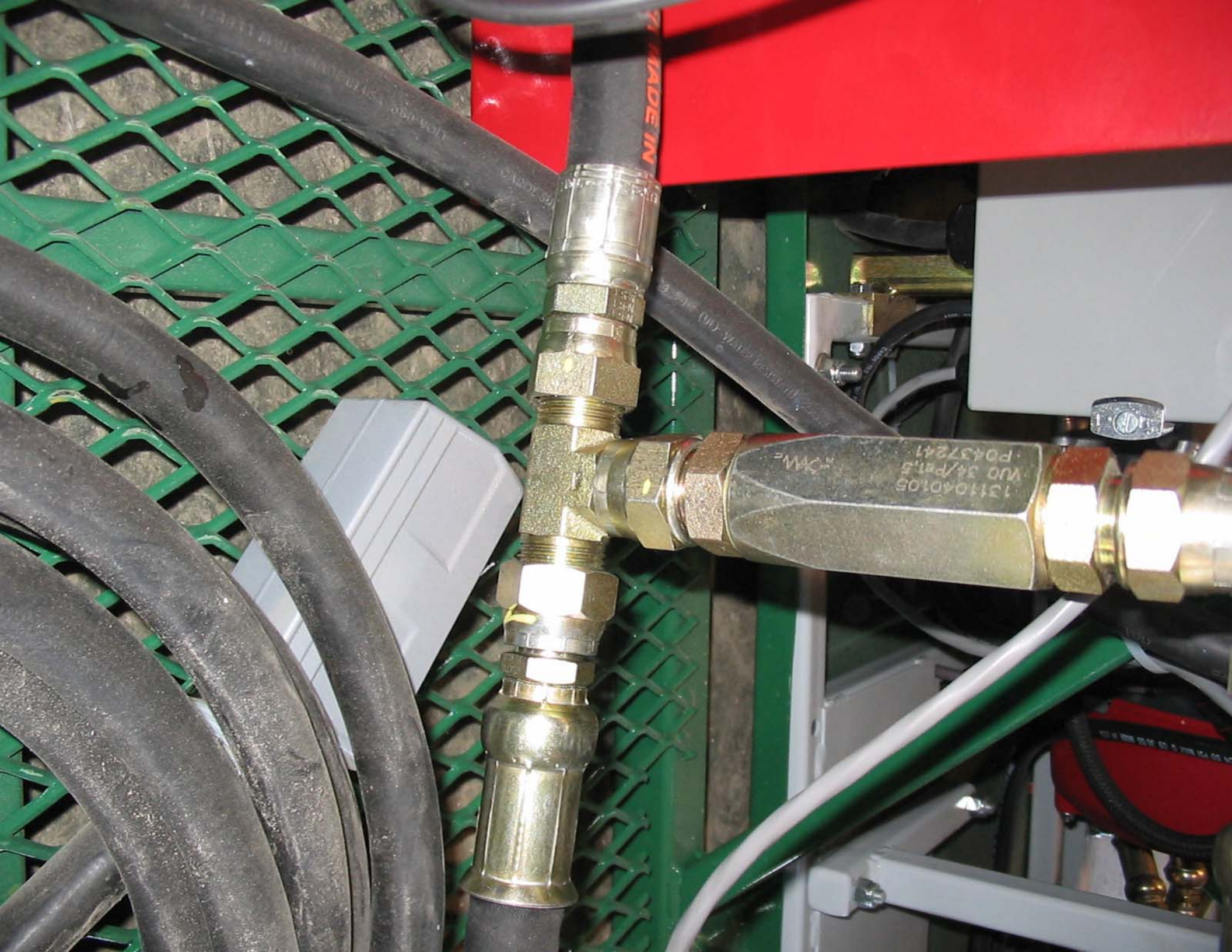
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PSI MAX


FC639-08 210 BAR/3045 PSI MAX
MADE IN U.S.A.


GX200
HONDA


UP
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UP
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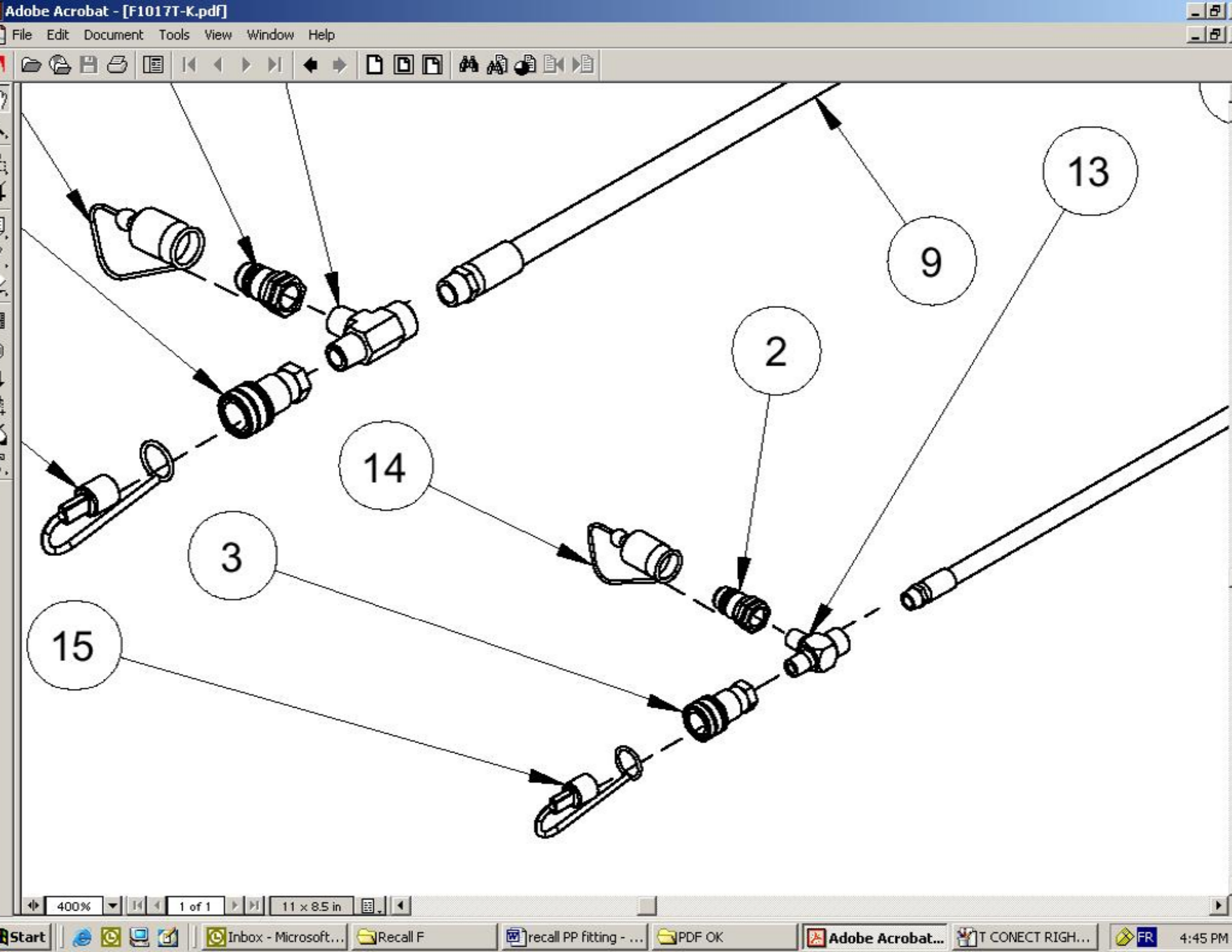
Sect 8
Hydro Mobile Inc.
HOSE HYD. T CONNEC


CONTROL PANNEL
Hydro Mobile Inc.
HOSE HYD. T CONNECTO


Hydro Mobile inc.
HOSE HYD. T CONNECTOR KIT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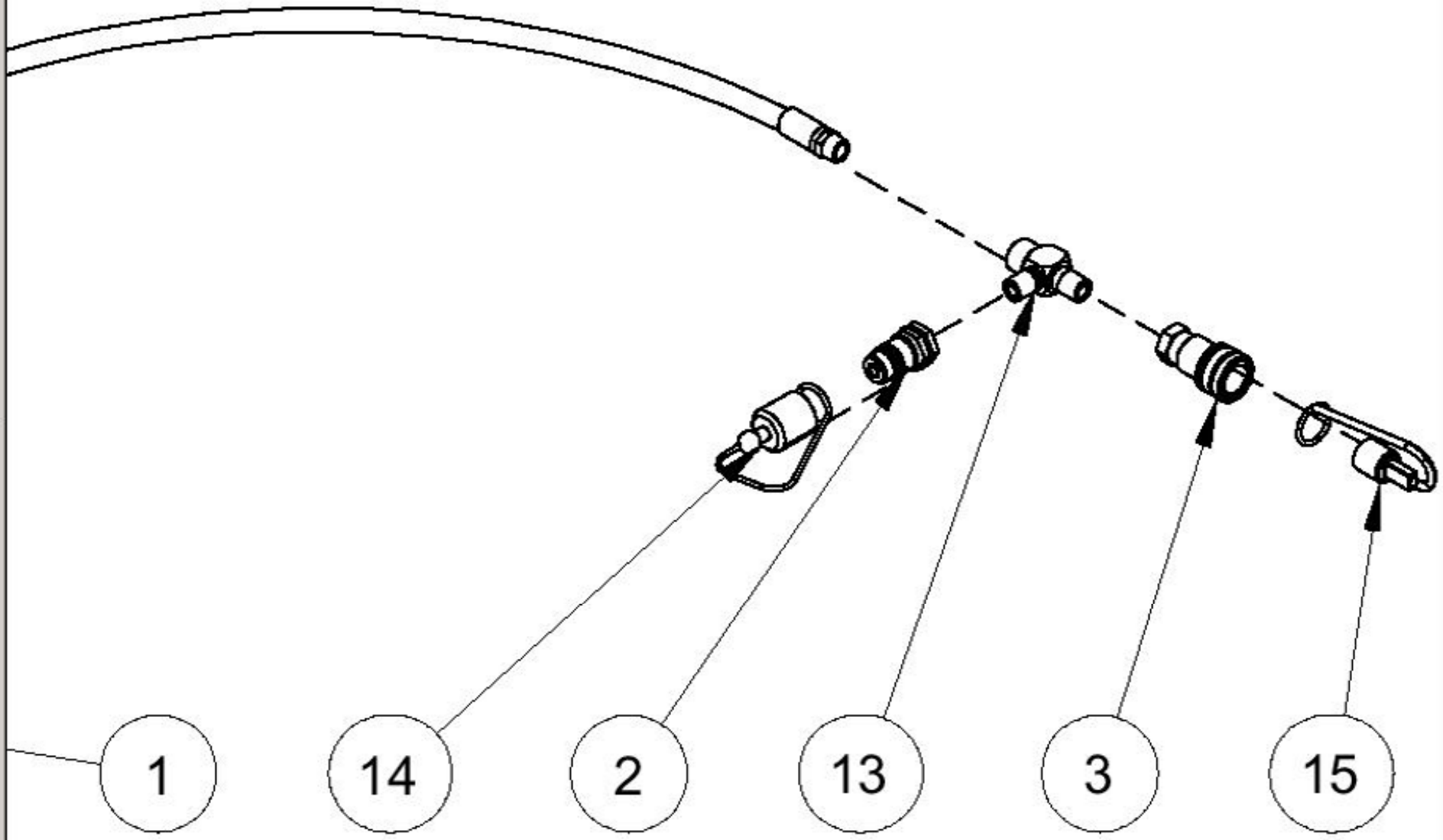

470100-0000	Cap 1/2" TFA	4
470100-0001	Cap 1/2" TFH	2

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