

**** ON A/C ALL**

TASK 29-11-52-000-001-A
Removal of the Engine Pump Fire-Valve

WARNING: PUT THE SAFETY DEVICES AND THE WARNING NOTICES IN POSITION BEFORE YOU START A TASK ON OR NEAR:

- THE FLIGHT CONTROLS
- THE FLIGHT CONTROL SURFACES
- THE LANDING GEAR AND THE RELATED DOORS
- COMPONENTS THAT MOVE.

MOVEMENT OF COMPONENTS CAN KILL OR CAUSE INJURY TO PERSONS AND/OR CAN CAUSE DAMAGE TO THE EQUIPMENT.

WARNING: MAKE SURE THAT THE GROUND SAFETY-LOCKS ARE IN POSITION ON THE LANDING GEAR. THIS WILL PREVENT UNWANTED MOVEMENT OF THE LANDING GEAR, AND THUS POSSIBLE INJURY TO PERSONS AND DAMAGE TO THE AIRCRAFT AND/OR EQUIPMENT.

FIN : 1046GK

1. Reason for the Job
Self explanatory
2. Job Set-up Information

A. Fixtures, Tools, Test and Support Equipment

REFERENCE	QTY	DESIGNATION
No specific	1	ACCESS PLATFORM 3M (10 FT)
No specific	AR	CAP - BLANKING
No specific	1	CONTAINER 1 L (1/4 USGAL)
No specific	AR	PLUG - BLANKING
No specific	AR	SAFETY BARRIER(S)
No specific	AR	SAFETY CLIP - CIRCUIT BREAKER
No specific	1	WARNING NOTICE(S)

B. Consumable Materials

REFERENCE	DESIGNATION
(Material No. 14SBA1)	Textile-Lint free Cotton -

C. Work Zones and Access Panels

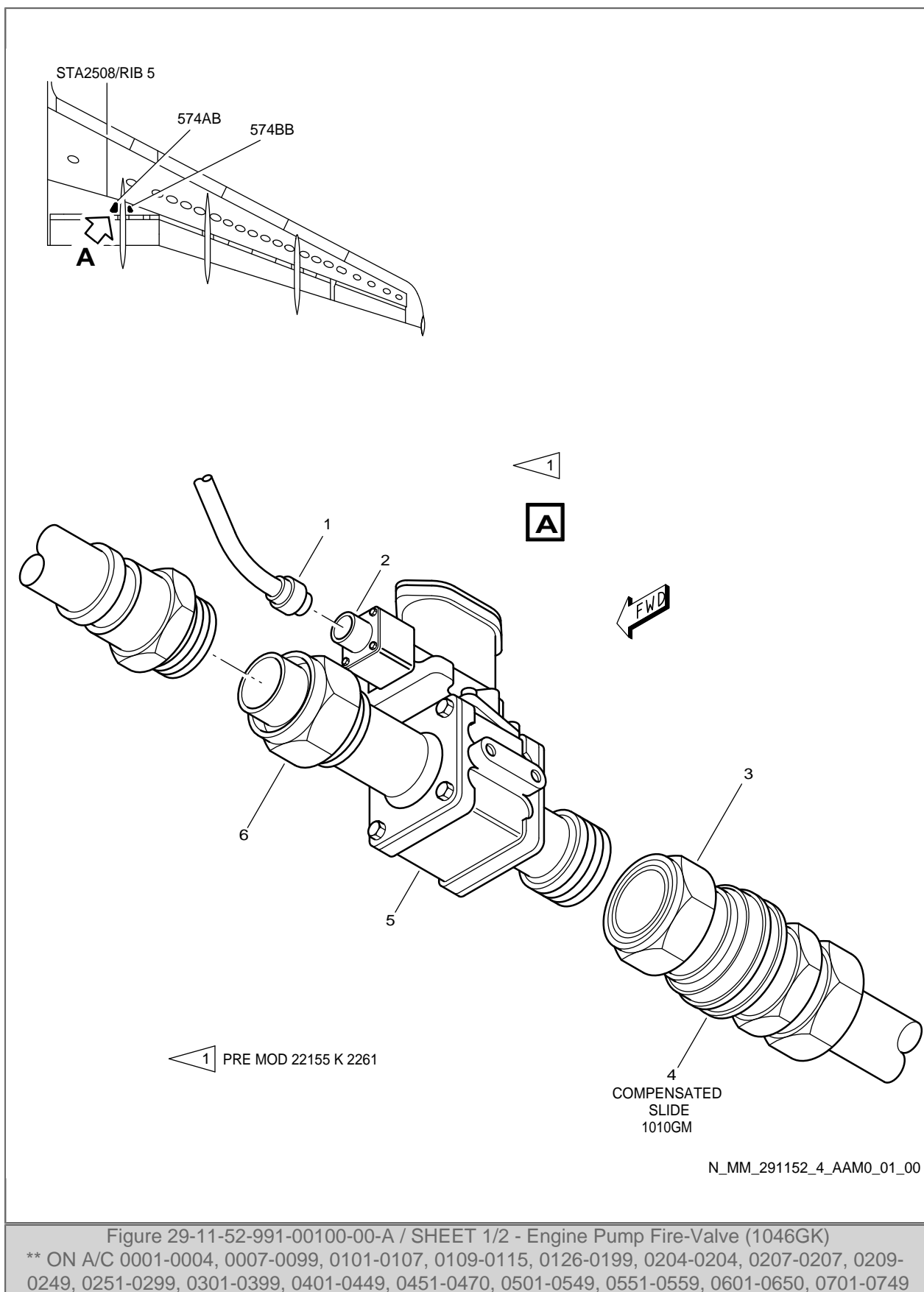
ZONE/ACCESS	ZONE DESCRIPTION
574AB, 574BB	

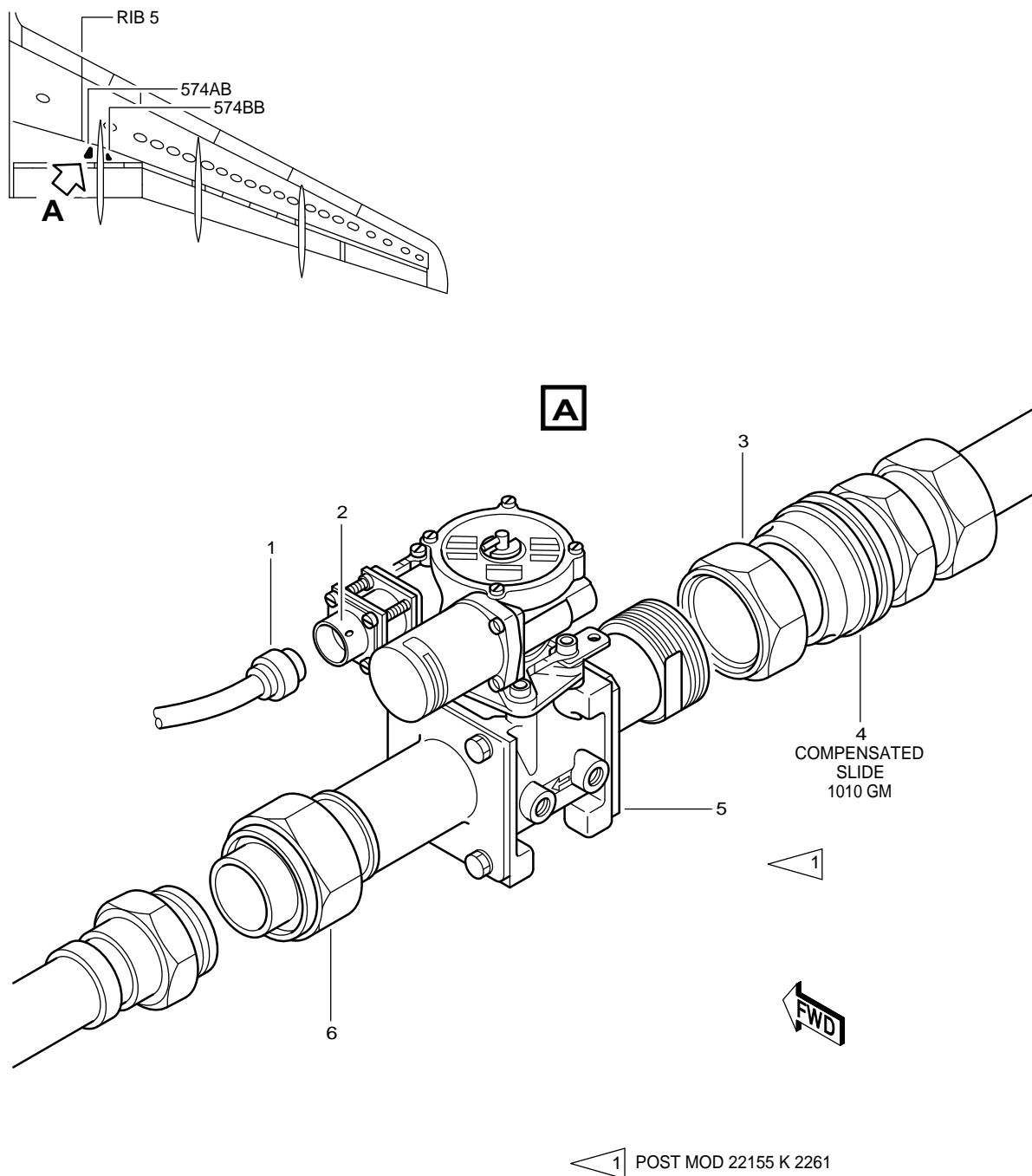
D. Referenced Information

REFERENCE	DESIGNATION
(Ref. 29-00-00-864-001-A).	Put the Related Hydraulic System in the Depressurized Configuration before Maintenance Action

Customer : CSN	Manual : AMM
Type : A318/A319/A320/A321	Selected applicability : 0053-0053
Rev. Date : May 01, 2018	
29-11-52-000-001-A - Removal of the Engine Pump Fire-Valve	

REFERENCE	DESIGNATION
(Ref. 29-00-00-910-002-A).	Safety Procedures of the Hydraulic System
(Ref. 29-14-00-614-001-A).	Depressurization of the Hydraulic Reservoirs
** ON A/C 0001-0004, 0007-0099, 0101-0107, 0109-0115, 0126-0199, 0204-0204, 0207-0207, 0209-0249, 0251-0299, 0301-0399, 0401-0449, 0451-0470, 0501-0549, 0551-0559, 0601-0650, 0701-0749 Engine Pump Fire-Valve (1046GK)	





N_MM_291152_4_AAM0_02_00

Figure 29-11-52-991-00100-00-A / SHEET 2/2 - Engine Pump Fire-Valve (1046GK)

** ON A/C 0001-0004, 0007-0099, 0101-0107, 0109-0115, 0126-0199, 0204-0204, 0207-0207, 0209-0249, 0251-0299, 0301-0399, 0401-0449, 0451-0470, 0501-0549, 0551-0559, 0601-0650, 0701-0749

3. Job Set-up

**** ON A/C 0001-0004, 0007-0099, 0101-0107, 0109-0115, 0126-0199, 0204-0204, 0207-0207, 0209-0249, 0251-0299, 0301-0399, 0401-0449, 0451-0470, 0501-0549, 0551-0559, 0601-0650, 0701-0749**

(Ref. Fig. Engine Pump Fire-Valve (1046GK))

**** ON A/C ALL**

Subtask 29-11-52-941-050-A

A. Safety Precautions

WARNING: OBEY THE HYDRAULIC SAFETY PROCEDURES.

- (1) You must obey the hydraulic safety procedures (Ref. AMM TASK 29-00-00-910-002) when you do work on the hydraulic system.
- (2) As necessary, use the applicable SAFETY BARRIERS, specified by the operator's instructions and your local regulations.
- (3) Put a WARNING NOTICE(S) in position to tell persons not to pressurize the Green hydraulic system.

Subtask 29-11-52-864-050-A

B. Depressurize the Applicable Hydraulic System

WARNING: MAKE SURE THAT THE TRAVEL RANGES OF THE FLIGHT CONTROL SURFACES ARE CLEAR BEFORE YOU PRESSURIZE/DEPRESSURIZE A HYDRAULIC SYSTEM.

- (1) Depressurize the Green Hydraulic system (Ref. AMM TASK 29-00-00-864-001) .
- (2) Depressurize the Green Hydraulic system reservoir (Ref. AMM TASK 29-14-00-614-001) .

Subtask 29-11-52-865-050-A

C. Open, safety and tag this(these) circuit breaker(s):

PANEL	DESIGNATION	FIN	LOCATION
49VU	HYD/FIRE VALVE/G/ENG1	1703GK	C13
121VU	HYDRAULIC/G HYD/PUMP ENG1/ MONG	1702GK	R34

**** ON A/C 0051-0099, 0101-0107, 0109-0115, 0126-0199, 0204-0204, 0207-0207, 0209-0249, 0251-0299, 0301-0399, 0401-0449, 0451-0499, 0501-0549, 0551-0599, 0601-0749, 0751-0799, 0801-0830, 0832-0899, 0901-0999, 1001-1050, 1053-1151, 1153-1153, 1155-1200**

Subtask 29-11-52-010-050-B

D. Get Access

- (1) Put the ACCESS PLATFORM 3M (10 FT) below zone 574.
- (2) Remove the access panels 574AB, 574BB.
- (3) Put clean Textile-Lint free Cotton - (Material No. 14SBA1) below the engine pump fire valve (5).
- (4) Put a CONTAINER 1 L (1/4 USGAL) below the access door opening, to collect the hydraulic fluid.

**** ON A/C ALL**

4. Procedure

Customer : CSN	Manual : AMM
Type : A318/A319/A320/A321	Selected applicability : 0053-0053
Rev. Date : May 01, 2018	
29-11-52-000-001-A - Removal of the Engine Pump Fire-Valve	

**** ON A/C 0001-0004, 0007-0099, 0101-0107, 0109-0115, 0126-0199, 0204-0204, 0207-0207, 0209-0249, 0251-0299, 0301-0399, 0401-0449, 0451-0470, 0501-0549, 0551-0559, 0601-0650, 0701-0749**


(Ref. Fig. Engine Pump Fire-Valve (1046GK))

**** ON A/C ALL**

Subtask 29-11-52-020-050-A

A. Removal of the Engine Fire Pump-Valve

- (1) Disconnect the cable connector (1) from the electrical connector (2).
- (2) Put the CAP-BLANKING on each disconnected electrical connector and receptacle.
- (3) Hold the engine pump fire-valve (5) and disconnect the coupling-nuts (6) and (3).
- (4) Compress the compensated slide (4) to decrease its length. Remove the engine pump fire-valve (5).
- (5) Put the PLUG-BLANKING in each disconnected line end.

End of document 

**** ON A/C ALL**

TASK 29-11-52-400-001-A
Installation of the Engine Pump Fire-Valve

WARNING: MAKE SURE THAT THE FLIGHT CONTROL SAFETY-LOCKS AND THE WARNING NOTICES ARE IN POSITION.

WARNING: MAKE SURE THAT THE GROUND SAFETY-LOCKS ARE IN POSITION ON THE LANDING GEAR. THIS WILL PREVENT UNWANTED MOVEMENT OF THE LANDING GEAR, AND THUS POSSIBLE INJURY TO PERSONS AND DAMAGE TO THE AIRCRAFT AND/OR EQUIPMENT.

WARNING: BE CAREFUL WHEN YOU USE CONSUMABLE MATERIALS. OBEY THE MATERIAL MANUFACTURER'S INSTRUCTIONS AND YOUR LOCAL REGULATIONS.

FIN : 1046GK

1. Reason for the Job

Self explanatory

2. Job Set-up Information

A. Fixtures, Tools, Test and Support Equipment

REFERENCE	QTY	DESIGNATION
No specific	1	ACCESS PLATFORM 3M (10 FT)
** ON A/C 0051-0099, 0101-0107, 0109-0115, 0126-0199, 0204-0204, 0207-0207, 0209-0249, 0251-0299, 0301-0399, 0401-0449, 0451-0499, 0501-0549, 0551-0599, 0601-0749, 0751-0799, 0801-0830, 0832-0899, 0901-0999, 1001-1050, 1053-1151, 1153-1153, 1155-1200		
No specific	1	CONTAINER 1 L (1/4 USGAL)
** ON A/C ALL		
No specific	AR	SAFETY BARRIER(S)
No specific	1	WARNING NOTICE(S)
No specific		Torque wrench: range to between 8.5 and 9.5 m.daN (62.68 and 70.06 lbf.ft)

B. Consumable Materials

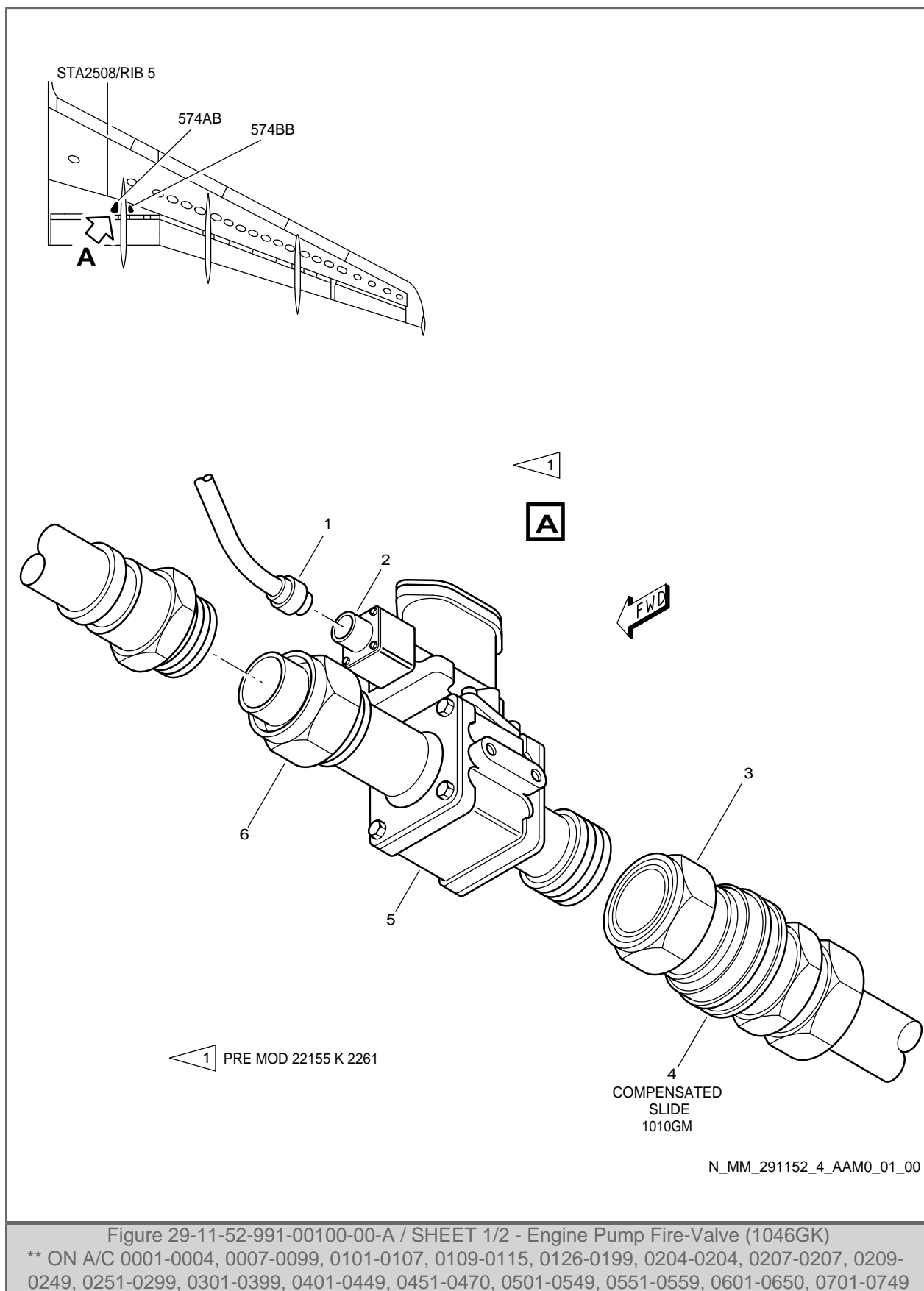
REFERENCE	DESIGNATION
(Material No. 08BAA9)	Non Aqueous Cleaner-General - -
(Material No. 14SBA1)	Textile-Lint free Cotton -

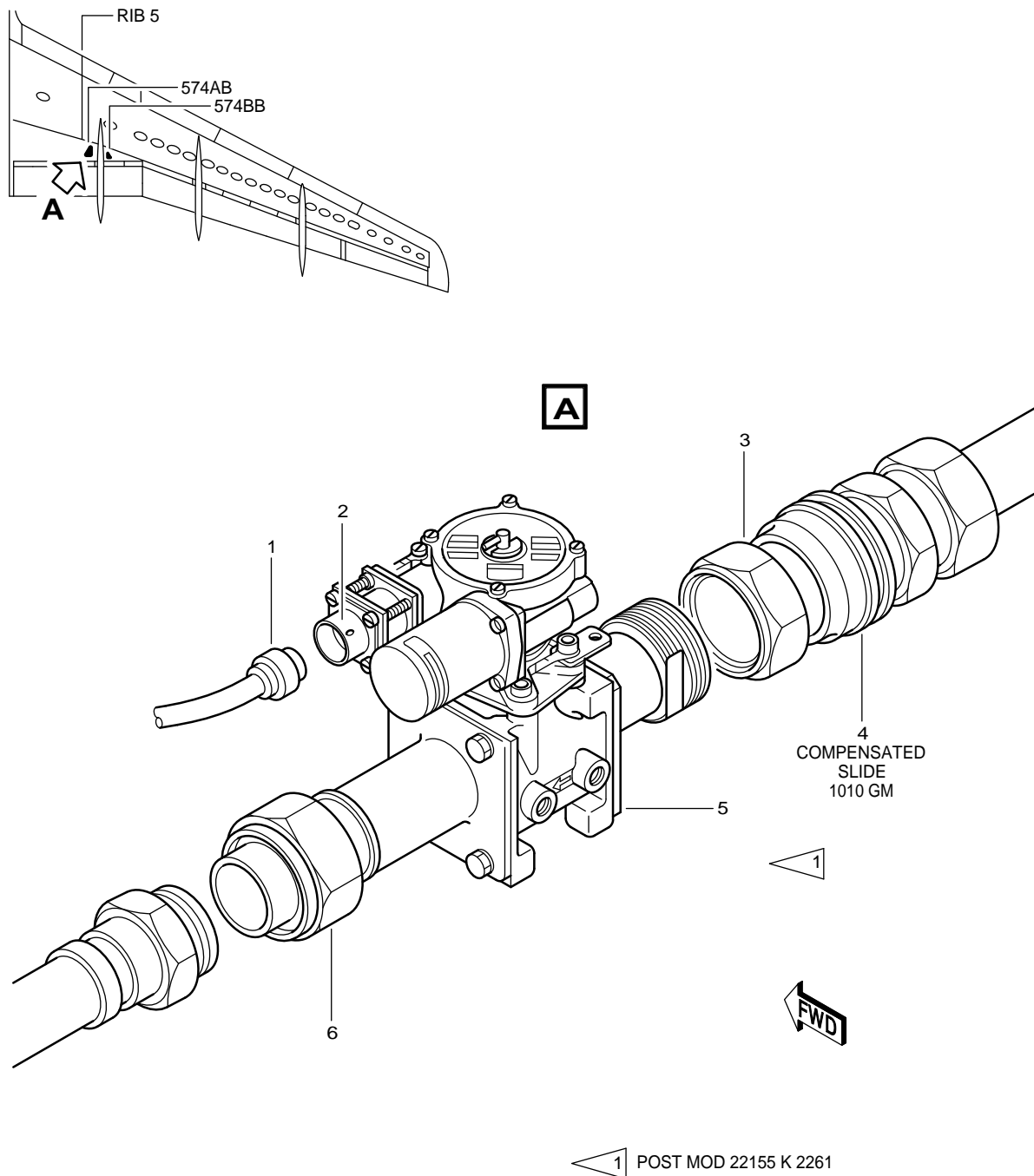
C. Work Zones and Access Panels

ZONE/ACCESS	ZONE DESCRIPTION
574AB, 574BB	

D. Referenced Information

REFERENCE	DESIGNATION
(Ref. 29-00-00-864-001-A).	Put the Related Hydraulic System in the Depressurized Configuration before Maintenance Action
(Ref. 29-00-00-910-002-A).	Safety Procedures of the Hydraulic System
** ON A/C 0001-0004, 0007-0099, 0101-0107, 0109-0115, 0126-0199, 0204-0204, 0207-0207, 0209-0249, 0251-0299, 0301-0399, 0401-0449, 0451-0499, 0501-0549, 0551-0599, 0601-0749, 0751-0799, 0801-0830, 0832-0899, 0901-0970	
(Ref. 29-10-00-720-001-A).	Functional Check of Hydraulic Fire Shut-Off Valves
** ON A/C ALL	
(Ref. 29-10-00-863-001-A).	Pressurize the Green Hydraulic System with a Hydraulic Ground Power-Cart
(Ref. 29-10-00-864-001-A).	Depressurize the Green Hydraulic System
(Ref. 29-14-00-614-001-A).	Depressurization of the Hydraulic Reservoirs
** ON A/C 0051-0099, 0151-0199, 0251-0299, 0351-0399, 0451-0499, 0551-0599, 0601-0650, 0801-0830, 0832-0899	
(Ref. 71-00-00-710-001-B).	Dry Motoring Check
** ON A/C ALL	
** ON A/C 0001-0004, 0007-0099, 0101-0107, 0109-0115, 0126-0199, 0204-0204, 0207-0207, 0209-0249, 0251-0299, 0301-0399, 0401-0449, 0451-0470, 0501-0549, 0551-0559, 0601-0650, 0701-0749 Engine Pump Fire-Valve (1046GK)	





N_MM_291152_4_AAM0_02_00

Figure 29-11-52-991-00100-00-A / SHEET 2/2 - Engine Pump Fire-Valve (1046GK)

** ON A/C 0001-0004, 0007-0099, 0101-0107, 0109-0115, 0126-0199, 0204-0204, 0207-0207, 0209-0249, 0251-0299, 0301-0399, 0401-0449, 0451-0470, 0501-0549, 0551-0559, 0601-0650, 0701-0749

3. Job Set-up

Subtask 29-11-52-941-060-A

A. Safety Precautions

WARNING: OBEY THE HYDRAULIC SAFETY PROCEDURES.

- (1) You must obey the hydraulic safety procedures (Ref. AMM TASK 29-00-00-910-002) when you do work on the hydraulic system.
- (2) Make sure that the WARNING NOTICE(S) is in position to tell persons not to pressurize the Green hydraulic system.
- (3) Make sure that the SAFETY BARRIER(S) are in position.

**** ON A/C 0051-0099, 0101-0107, 0109-0115, 0126-0199, 0204-0204, 0207-0207, 0209-0249, 0251-0299, 0301-0399, 0401-0449, 0451-0499, 0501-0549, 0551-0599, 0601-0749, 0751-0799, 0801-0830, 0832-0899, 0901-0999, 1001-1050, 1053-1151, 1153-1153, 1155-1200**

Subtask 29-11-52-860-050-B

B. Aircraft Maintenance Configuration

- (1) Make sure that the Green Hydraulic system is depressurized (Ref. AMM TASK 29-00-00-864-001) .
- (2) Make sure that the applicable hydraulic reservoir is depressurized (Ref. AMM TASK 29-14-00-614-001) .
- (3) Make sure that the ACCESS PLATFORM 3M (10 FT) is below the zone 574.
- (4) Make sure that the access panels 574AB and 574BB are removed.
- (5) Make sure that the CONTAINER 1 L (1/4 USGAL) is below the access door openings.

**** ON A/C ALL**

Subtask 29-11-52-865-051-A

C. Make sure that this(these) circuit breaker(s) is(are) open, safetied and tagged:

PANEL	DESIGNATION	FIN	LOCATION
49VU	HYD/FIRE VALVE/G/ENG1	1703GK	C13
121VU	HYDRAULIC/G HYD/PUMP ENG1/ MONG	1702GK	R34

4. Procedure

**** ON A/C 0001-0004, 0007-0099, 0101-0107, 0109-0115, 0126-0199, 0204-0204, 0207-0207, 0209-0249, 0251-0299, 0301-0399, 0401-0449, 0451-0470, 0501-0549, 0551-0559, 0601-0650, 0701-0749**

(Ref. Fig. Engine Pump Fire-Valve (1046GK))

**** ON A/C ALL**

Subtask 29-11-52-420-054-A

A. Preparation for Installation

- (1) Remove the PLUG-BLANKING from each disconnected line end.
- (2) Clean the component interfaces and the adjacent area with a Textile-Lint free Cotton - (Material No. 14SBA1) made moist with Non Aqueous Cleaner-General - - (Material No. 08BAA9).
- (3) Make sure that the parts retained from the removed component are clean and in the correct condition.
- (4) Do an inspection of the component interfaces and the adjacent area.

(5) Make sure that the hydraulic line end-fittings are serviceable.

**** ON A/C 0001-0004, 0007-0099, 0101-0107, 0109-0115, 0126-0199, 0204-0204, 0207-0207, 0209-0249, 0251-0299, 0301-0399, 0401-0449, 0451-0470, 0501-0549, 0551-0559, 0601-0650, 0701-0749**

Subtask 29-11-52-420-052-A

B. Installation of the Engine Pump Fire-Valve

- (1) Put the engine pump fire-valve (5) in position.
- (2) Engage the coupling-nut (6). Do not tighten it fully.
- (3) Extend the compensated slide (4) to engage the coupling-nut (3). Do not tighten it fully.
- (4) Make sure that the engine pump fire-valve (5) is correctly aligned.
- (5) TORQUE the coupling-nuts (6) and (3) **to between 8.5 and 9.5 m.daN (62.68 and 70.06 lbf.ft)**.
- (6) Remove the CAP-BLANKING from each electrical connector and receptacle.
- (7) Connect the cable connector (1) to the electrical connector (2).

**** ON A/C ALL**

Subtask 29-11-52-865-052-A

C. Remove the safety clip(s) and the tag(s) and close this(these) circuit breaker(s):

PANEL	DESIGNATION	FIN	LOCATION
49VU	HYD/FIRE VALVE/G/ENG1	1703GK	C13
121VU	HYDRAULIC/G HYD/PUMP ENG1/ MONG	1702GK	R34

Subtask 29-11-52-863-051-A

D. Pressurize the Hydraulic System

WARNING: MAKE SURE THAT THE TRAVEL RANGES OF THE FLIGHT CONTROL SURFACES ARE CLEAR BEFORE YOU PRESSURIZE/DEPRESSURIZE A HYDRAULIC SYSTEM.

- (1) Pressurize the Green Hydraulic system (Ref. AMM TASK 29-10-00-863-001) .

**** ON A/C 0051-0099, 0151-0199, 0251-0299, 0351-0399, 0451-0499, 0551-0599, 0601-0650, 0801-0830, 0832-0899**

Subtask 29-11-52-720-051-A

E. Test

- (1) Do a dry motoring check (Ref. AMM TASK 71-00-00-710-001) .
- (2) Do a functional test of the engine pump fire-valve (5) (Ref. AMM TASK 29-10-00-720-001) .
- (3) Examine the hydraulic connections of the engine pump fire-valve (5) for leaks. Leaks are not permitted.

**** ON A/C ALL**

Subtask 29-11-52-864-052-A

F. Depressurize the Hydraulic System

WARNING: MAKE SURE THAT THE TRAVEL RANGES OF THE FLIGHT CONTROL SURFACES ARE CLEAR BEFORE YOU PRESSURIZE/DEPRESSURIZE A HYDRAULIC SYSTEM.

(1) Depressurize the Green hydraulic system (Ref. AMM TASK 29-10-00-864-001) .

5. Close-up

**** ON A/C 0051-0099, 0101-0107, 0109-0115, 0126-0199, 0204-0204, 0207-0207, 0209-0249, 0251-0299, 0301-0399, 0401-0449, 0451-0499, 0501-0549, 0551-0599, 0601-0749, 0751-0799, 0801-0830, 0832-0899, 0901-0999, 1001-1050, 1053-1151, 1153-1153, 1155-1200**

Subtask 29-11-52-410-050-B

A. Close Access

- (1) Make sure that the work area is clean and clear of tools and other items.
- (2) Install the access panels 574AB, 574BB.

**** ON A/C ALL**

Subtask 29-11-52-942-051-A

B. Removal of Equipment

- (1) Remove the container.
- (2) Remove the SAFETY BARRIER(S).
- (3) Remove the warning notice(s).
- (4) Remove the access platform(s).
- (5) Remove the ground support and maintenance equipment, the special and standard tools and all other items.

End of document 