

Comair, Inc.  
Lexington, KY  
August 27, 2006  
DCA06MA064

**NATIONAL TRANSPORTATION SAFETY BOARD  
WASHINGTON, D.C.**

ATTACHMENT 2

INJURY CHART

8 Pages

Assigned Seat	Age	Gender	Hgt.	Wgt.	Pathologic Findings	Injury Classification
01A	55	Male	Unk.	Unk.	1) Blunt head trauma with: a) Extensive basilar skull fractures; b) Multifocal subarachnoid hemorrhage; 2) Blunt trauma of the extremities with a fracture of the right lower extremity; 3) Perimortem thermal injury; 4) Post mortem blood carboxyhemoglobin saturation 17%, without demonstratable endoluminal soot within the airway	Fatal
01B	74	Female	Unk.	Unk.	1) Smoke inhalation with: a) Post mortem carboxyhemoglobin saturation 33%; b) Evidence of endoluminal soot within the airway; 2) Perimortem thermal injury	Fatal
01C	51	Male	Unk.	Unk.	1) Smoke inhalation with: a) Blood carboxyhemoglobin saturation 27%; b) Endoluminal soot within the airways; 2) Perimortem thermal injury with incineration and charring; 3) Blunt traumatic injuries of the neck and torso with: a) Cervical spine fracture at C3-C4; b) Splenic laceration; c) Small thoracic aortic laceration; 4) Extremity fracture	Fatal
01D	58	Male	Unk.	Unk.	1) Blunt head trauma with: a) Epidural hemorrhage; b) Subdural hemorrhage; c) Subarachnoid hemorrhage; 2) Blunt trauma of the torso with: a) Rib fractures; b) Pulmonary contusions; 3) Thermal injuries with generalized incineration and charring; 4) Evidence of smoke inhalation with: a) Endoluminal laryngeal and tracheal soot; b) Post mortem blood carboxyhemoglobin saturation 11%	Fatal
02A	55	Male	Unk.	Unk.	1) Smoke inhalation with: a) Post mortem blood carboxyhemoglobin saturation 34% b) Evidence of endoluminal soot deposition in the airway; 2) Generalized thermal injury with incineration and charring	Fatal
02B	64	Female	Unk.	Unk.	1) Massive blunt head trauma with: a) Basilar "hinge" fracture; b) Comminuted fractures of the left temporal and parietal bones; c) Brain lacerations involving the left cerebral cortex; d) Subarachnoid hemorrhage; 2) Massive blunt trauma of the torso with: a) Lacerations of the abdominal wall with herniation of the intestine; b) Multiple bilateral rib fractures; c) Fractured disarticulation of the cervical and thoracic spine; d) Lacerations of the heart and lungs; e) Acute traumatic diaphragmatic hernia; 3) Perimortem thermal injury; 4) Post mortem blood carboxyhemoglobin saturation 8%	Fatal
02C	55	Male	Unk.	Unk.	1) Smoke inhalation with: a) Postmortem blood carboxyhemoglobin saturation 22%; b) Endoluminal soot demonstrated in the airway; c) Red discoloration of viscera and intimal surfaces; 2) Perimortem thermal injury, diffuse	Fatal
02D	38	Female	Unk.	Unk.	1) Smoke inhalation with: a) Postmortem blood carboxyhemoglobin saturation 30%; b) Endoluminal soot demonstrated in the airways; 2) Blunt traumatic injuries of the torso with: a) pelvic fracture; b) Rib fracture; 3) perimortem thermal injury with partial incineration	Fatal

Assigned Seat	Age	Gender	Hgt.	Wgt.	Pathologic Findings	Injury Classification
03A	27	Male	Unk.	Unk.	1) Massive blunt trauma with resultant traumatic amputations: a) Traumatic amputation of the left upper extremity at the shoulder; b) Traumatic amputation of the lower extremities at the pelvis; c) Amputated extremities identified by comparative DNA analysis; 2) Blunt head trauma with: a) Basilar skull fracture; b) Subdural hemorrhage; c) Non-displaced fracture of the second cervical vertebra; 3) Perimortem thermal injuries with charring; 4) Post mortem carboxyhemoglobin saturation 3%	Fatal
03B	23	Female	Unk.	Unk.	1) Massive blunt head trauma with severe open head injury with: a) Multiple craniofacial fractures with fragmentation; b) Loss of central nervous system tissue; 2) Massive blunt trauma of the torso with: a) Lacerations of the heart, aorta, lungs, liver, and spleen; b) Fractures of multiple ribs, clavicle, and spine; 3) Massive blunt trauma of the extremities with long bone fractures; 4) Perimortem thermal injury; 5) Postmortem blood carboxyhemoglobin saturation 5% with no evidence of endoluminal soot within the airway	Fatal
03C	31	Female	Unk.	Unk.	1) Smoke inhalation with: a) Postmortem blood carboxyhemoglobin saturation 28%; b) Marked endoluminal soot deposition within the airways; 2) Perimortem thermal injury; 3) Blunt force injury of the torso with small bilateral hemothoraces	Fatal
03D	34	Male	Unk.	Unk.	1) Blunt head trauma with: a) Skull fractures; b) Brain lacerations; c) Epidural and subarachnoid hemorrhage; 2) Perimortem thermal injury; 3) Post mortem carboxyhemoglobin saturation 14% with no evidence of endoluminal soot within the airway	Fatal
04A	52	Female	Unk.	Unk.	1) Blunt traumatic injuries of the torso and lower extremities with: a) Multiple rib fractures; b) Pelvic fractures; c) Bilateral traumatic below-knee amputations; 2) Generalized thermal injury with incineration and charring; 3) Post mortem blood carboxyhemoglobin saturation 2%, without evidence of endoluminal soot within the airway	Fatal
04B	51	Male	Unk.	Unk.	1) Blunt force injury of the torso with: a) Fractured disarticulation of the thoracic spine at T1; b) Cardiac laceration; c) Multiple liver lacerations; d) Rupture of multiple loops of small intestine; e) Multiple bilateral rib fractures and sternal fractures; 2) Blunt force injuries of the head with subarachnoid hemorrhage; 3) Blunt force injury of the extremities with fractures of the left tibia and fibula, and fracture of the femur; 4) Perimortem thermal injury; 5) Post mortem blood carboxyhemoglobin saturation 3%	Fatal
04C	52	Male	Unk.	Unk.	1) Generalized thermal injuries with incineration and charring; 2) Blunt head trauma with subarachnoid hemorrhage; 3) Blunt force injury of the torso with: a) Sternal fracture; b) Pulmonary contusion; 4) Postmortem blood carboxyhemoglobin saturation 8%, with "minimal" carbonaceous material documented in the airway	Fatal

Assigned Seat	Age	Gender	Hgt.	Wgt.	Pathologic Findings	Injury Classification
04D	35	Female	Unk.	Unk.	1) Multiple blunt force injuries of the torso with: a) Multiple rib fractures; b) Lung lacerations; c) Significant hemothoraces bilaterally; d) Splenic lacerations with hemoperitoneum; 2) Perimortem thermal injury; 3) Focal subarachnoid hemorrhage; 4) Post mortem carboxyhemoglobin saturation 9%, with no evidence of endoluminal soot noted in the airways	Fatal
05A	46	Male	Unk.	Unk.	1) Generalized thermal injuries with incineration and charring; 2) Blunt force injury of the torso with: a) Fracture of the cervical spine spine at C-5; b) Fractures of right ribs seven and eight; 3) Post mortem blood carboxyhemoglobin saturation 6% with no evidence of soot in the airway	Fatal
05B	25	Female	Unk.	Unk.	1) Blunt head trauma with: a) Skull fractures; b) Multiple facial fractures; 2) Blunt trauma of the neck with: a) Thyroid cartilage fracture; b) Hyoid bone fracture; 3) Blunt trauma of the torso with: a) Rib fractures; b) Sternal fracture; 4) Multiple extremity fractures including: a) Fracture of the right forearm; b) Fracture of the right distal tibia and fibula; c) Fracture of the distal left femur; 5) Perimortem thermal injuries; 6) Postmortem blood carboxyhemoglobin saturation 5% with no evidence of smoke inhalation	Fatal
05C	47	Female	Unk.	Unk.	1) Blunt head trauma with: a) Multiple skull fractures; b) Subdural and subarachnoid hemorrhage; 2) Multiple blunt force injuries of the torso with: a) Multiple rib fractures; b) Lacerations of the heart, liver, spleen, and lungs; c) Bilateral hemothoraces; 3) Extremity fracture (right arm); 4) Postmortem blood carboxyhemoglobin saturation 3%; 5) Perimortem thermal injury	Fatal
05D	39	Male	Unk.	Unk.	1) Blunt force injuries with: a) Cervical spine fracture with associated soft tissue hemorrhage at the level of C3; 2) Smoke inhalation with: a) evidence of soot in the airway; b) Postmortem blood carboxyhemoglobin saturation 13%; c) Pulmonary edema; 3) Postmortem thermal injuries	Fatal
06A	57	Female	Unk.	Unk.	1) Massive blunt trauma of the torso with: a) Lacerations of the heart, pericardial sac, and spleen; b) Fractures of multiple ribs, sternum, and cervical spine; c) Right hemothorax; 2) Generalized perimortem thermal injury with incineration and charring; 3) Post mortem blood carboxyhemoglobin saturation 6% without evidence of endoluminal soot within the airways	Fatal

Assigned Seat	Age	Gender	Hgt.	Wgt.	Pathologic Findings	Injury Classification
06B	72	Male	Unk.	Unk.	1) Blunt impact of the torso with: a) Multiple bilateral rib fractures; b) Fracture of the thoracic spine; 2) Blunt trauma of the lower extremities with: a) Avulsion of the right foot; b) Bilateral open femoral fractures; c) Fractures of the left tibia and fibula; 3) Generalized thermal injury with incineration and charring; 4) Post mortem blood carboxyhemoglobin saturation 2%, with no evidence of endoluminal soot within the airways	Fatal
06C	29	Female	Unk.	Unk.	1) Generalized thermal injuries with generalized incineration and charring; 2) Extremity fractures (left femur and right humerus); 3) Post mortem blood carboxyhemoglobin saturation 5%; 4) Amputated distal upper extremity positively matched by DNA analysis	Fatal
06D	49	Male	Unk.	Unk.	1) Smoke inhalation sustained in the fire with: a) Evidence of soot in the airways; b) Postmortem carboxyhemoglobin saturation 28%; c) Generalized postmortem thermal injuries; 2) Blunt force injuries with: a) Extremity fractures; b) Small hemothoraces bilaterally; c) Non-displaced fracture of the left orbital roof; d) Cerebral edema	Fatal
07A	44	Male	Unk.	Unk.	1) Generalized thermal injuries with generalized incineration and charring; 2) Evidence of smoke inhalation with: a) Post mortem blood carboxyhemoglobin saturation 12%; b) Evidence of airway endoluminal soot	Fatal
07C	48	Male	Unk.	Unk.	1) Generalized thermal injuries with incineration and charring; 2) Blunt trauma of the torso with a superficial laceration of the spleen; 3) Postmortem blood carboxyhemoglobin saturation 8%, with minimal endoluminal soot within the upper airway	Fatal
07D	50	Female	Unk.	Unk.	1) Generalized thermal injury with incineration and charring; 2) Blunt trauma of the torso with rib fractures; 3) Post mortem blood carboxyhemoglobin saturation 11% with no demonstrable endoluminal soot within the airway	Fatal
08A	57	Female	Unk.	Unk.	1) Blunt head trauma with: a) Basilar skull "hinge" fracture; b) Subdural and subarachnoid hemorrhage; 2) Massive blunt trauma of the torso with: a) Massive rib fractures; b) Aortic transection; c) Lacerations of the left lung; d) Sternal fracture; e) Multiple spine fractures; 3) Postmortem blood carboxyhemoglobin saturation 4%; 4) Perimortem thermal injury	Fatal
08B	60	Male	Unk.	Unk.	1) Perimortem thermal burns, 100 % total body surface; 2) Minor blunt force injury of the head with laceration; 3) Postmortem blood carboxyhemoglobin concentration 3%	Fatal
08C	36	Female	Unk.	Unk.	1) Thermal injuries, generalized, with charring and incineration; 2) Smoke inhalation with: a) Endoluminal soot within the airway; b) Post mortem blood carboxyhemoglobin saturation 15%	Fatal

Assigned Seat	Age	Gender	Hgt.	Wgt.	Pathologic Findings	Injury Classification
08D	28	Male	Unk.	Unk.	1) Smoke inhalation with: a) Post mortem blood carboxyhemoglobin saturation 21%; b) Endoluminal soot demonstrated in the airways; 2) Generalized thermal injury with incineration and charring; 3) Blunt trauma of the torso with splenic laceration	Fatal
09A	64	Male	Unk.	Unk.	1) Blunt head trauma with: a) Multiple craniofacial fractures involving the calvarium, base of the skull, and face; b) Traumatic evisceration of the brain; 2) Blunt force trauma of the torso with: a) Multiple fractures of the pelvis, sternum, vertebral column, and bilateral ribs; b) Lacerations of the heart, left lung, liver, spleen, and small intestine mesentery; c) transection of the thoracic aorta; 3) Blunt impact of the extremities with multiple open fractures; 4) Perimortem thermal injury; 5) Post mortem blood carboxyhemoglobin saturation 17% without evidence of endoluminal soot within the airway	Fatal
09B	31	Male	Unk.	Unk.	1) Blunt force injury of the head with: a) Extravasation of cranial contents; b) Multiple fractures of the calvarium and facial bones; 2) Blunt force injury of the torso with: a) Transection of the aorta; b) Lacerations of the liver, spleen, and lungs; c) Multiple fractures of the ribs and thoracic spine; 3) Perimortem thermal injury; 4) Postmortem blood carboxyhemoglobin saturation 5% without evidence of smoke inhalation	Fatal
09C	28	Male	Unk.	Unk.	1) Thermal injuries with mild smoke inhalation: a) Generalized thermal injury with incineration and charring; b) Evidence of smoke inhalation with mild amounts of black carbonaceous material within the airways; c) Postmortem blood carboxyhemoglobin saturation 10%; 2) Blunt force injuries with: a) Facial laceration; b) Bilateral hemothoraces	Fatal
10A	54	Female	Unk.	Unk.	1) Blunt head trauma with: a) Basilar skull fractures; b) Cerebral cortical trauma with transection of the anterior corpus callosum; c) Intraventricular hemorrhage; d) Scalp contusions; e) Multifocal subarachnoid hemorrhage; f) Laceration, right aspect of the forehead; 2) Blunt trauma of the torso with: a) Multiple rib fractures; b) Fracture disarticulation of the thoracic spine at T9, with transection of the spinal cord; c) Pericardial laceration; d) Cardiac laceration; e) Aortic transection; f) Bilateral hemothoraces; g) Lacerations of the spleen and liver; h) Pelvic fractures; i) Avulsions of the internal genitalia and urinary bladder; 3) Acute traumatic amputation of the extremities (left upper extremity and right lower extremity) with matching of amputated remains via confirmation by DNA sampling; 4) Post mortem blood carboxyhemoglobin saturation 4%	Fatal

Assigned Seat	Age	Gender	Hgt.	Wgt.	Pathologic Findings	Injury Classification
10B	57	Male	Unk.	Unk.	1) Massive blunt head trauma with: a) Extensive skull fractures; b) Lacerations and hemorrhage of the central nervous system; 2) Massive blunt trauma of the torso with: a) Aortic transection; b) Lacerations of the liver, spleen, lungs, and diaphragm; Fractures of the ribs and pelvis; 3) Generalized perimortem thermal injury; 4) Post mortem blood carboxyhemoglobin saturation 4%	Fatal
10C	51	Male	Unk.	Unk.	1) Blunt force injury of the head with: a) Subarachnoid hemorrhage; b) Basilar skull fractures of the petrous ridges of the bilateral temporal bones; 2) Blunt force injury of the torso with: a) Multiple left rib fractures; b) Multiple bilateral pulmonary contusions; c) Lacerations of the heart, liver, and spleen; 3) Traumatic amputation of the distal left lower extremity with DNA matching of separately recovered distal left lower extremity; 4) Blood carboxyhemoglobin saturation 3%	Fatal
10D	35	Male	Unk.	Unk.	1) Extensive thermal burns, 100% total body surface; 2) Minor blunt force injuries of the thorax with bilateral pulmonary contusions; 3) Blunt force injury of the head; 4) Postmortem blood carboxyhemoglobin concentration 3%	Fatal
11A	16	Female	Unk.	Unk.	1) Blunt traumatic injuries of the torso with: a) Multiple bilateral rib fractures; b) Bilateral hemothoraces; c) Pulmonary contusions; d) Laceration and contusion of the liver; 2) Perimortem thermal injury with generalized incineration and heat related fractures; 3) Post mortem blood carboxyhemoglobin saturation 6% with no evidence of endoluminal soot within the airway	Fatal
11B	26	Male	Unk.	Unk.	1) Smoke inhalation with: a) Post mortem blood carboxyhemoglobin concentration 26%; b) Physical evidence of laryngeal and endoluminal soot within the larynx and trachea; 2) Thermal injury involving approximately 75% of the total body surface area; 3) Blunt head trauma with: a) Laceration of the left earlobe; b) Subscalpular and subdural hemorrhage; 4) Blunt traumatic injury of the torso with: a) Laceration of the right axilla; b) Fracture, right clavicle; c) Multiple bilateral rib fractures; c) Bilateral hemothoraces; e) Geographic pulmonary hemorrhages	Fatal
11C	46	Male	Unk.	Unk.	1) Blunt force injuries with: a) Open head injury with multiple skull fractures, lacerations of brain and brain stem, and cerebral hemorrhages; b) Fractures of ribs, long bones, hyoid bone, and cervical spine; c) Lacerations of lung and tongue; 2) Perimortem thermal injury; 3) Postmortem blood carboxyhemoglobin concentration 2%	Fatal

Assigned Seat	Age	Gender	Hgt.	Wgt.	Pathologic Findings	Injury Classification
11D	49	Female	Unk.	Unk.	1) Smoke inhalation with: a) Evidence of soot demonstrated in airway; b) Pulmonary edema and hyperemia; c) Postmortem blood carboxyhemoglobin saturation 20%; 2) Perimortem incineration, generalized; 3) Blunt force injuries of the torso and right lower extremity with: a) Bilateral rib fractures; b) Right hemothorax; c) Traumatic amputation of right foot with DNA match confirmation	Fatal
12A	47	Male	Unk.	Unk.	1) Blunt force injury of the torso with: a) Bilateral rib fractures; b) Pelvic fracture; 2) Generalized thermal injury with incineration and charring; 3) Evidence of smoke inhalation with: a) Soot noted in upper airway; b) Post mortem blood carboxyhemoglobin saturation 14%; 4) Closed head injury with minimal subdural hemorrhage around the brain stem (no subdural hemorrhage noted over the convexities)	Fatal
12C	58	Female	Unk.	Unk.	1) Blunt force injury of the torso with: a) Lacerations of the heart, aorta, lungs, liver, spleen, and pericardial sac; b) Fractures of the spine and multiple ribs; 2) Blunt head trauma with basilar skull fractures; 3) Generalized perimortem thermal injuries; 4) Post mortem blood carboxyhemoglobin saturation 4%	Fatal
13A	56	Female	Unk.	Unk.	1) Smoke inhalation with: a) Post mortem blood carboxyhemoglobin 36%; b) Endoluminal laryngeal, trachial, and bronchial soot; 2) Generalized thermal injuries with incineration and charring, and heat related fractures	Fatal
13B	44	Female	Unk.	Unk.	1) Smoke inhalation with: a) Post mortem peripheral blood carboxyhemoglobin saturation 28%; b) Evidence of endoluminal soot within the airways; 2) Generalized thermal injury with incineration and charring; 3) Blunt force injury of the torso with: a) Rib fractures; b) Mirror laceration of the aorta	Fatal
Capt.	35	Male	Unk.	Unk.	1) Blunt traumatic injury of the torso with: a) Extensive fractures of multiple bilateral ribs (flail chest); b) Fractures of the sternum; c) Fractures of the pelvis; d) Hemothorax, left; 2) Bilateral lower extremity fractures; 3) Focal subarachnoid hemorrhage over the frontal poles of the brain; 4) Perimortem thermal injury; 5) Post mortem blood carboxyhemoglobin saturation 3%; 6) Post mortem blood carboxyhemoglobin saturation by the FAA Toxicology laboratory: no carbon monoxide detected in blood	Fatal
F/A	27	Male	Unk.	Unk.	1) Smoke inhalation with: a) Post mortem blood carboxyhemoglobin saturation by Kentucky Medical Examiner Toxicology Laboratory 35%; b) Blood carboxyhemoglobin saturation by FAA Toxicology Laboratory 32%; c) Blood cyanide concentration by FAA Toxicology Laboratory 1.09 ug/ml; d) Endoluminal soot within the larynx and trachea demonstrated at autopsy; 2) Generalized thermal injuries with incineration and charring	Fatal



Assigned Seat	Age	Gender	Hgt.	Wgt.	Pathologic Findings	Injury Classification
F/O	44	Male	Unk.	Unk.	Discharge summary: 1) Mild traumatic brain injury (CT head negative); 2) Bilateral hemopneumothoraces; 3) Sternal fracture with mediastinal hematoma; 4) Small pericardial effusion, probably reactive; 5) Right LaForte II fracture; 6) Left LaForte III fracture; 7) Facial and scalp lacerations; 8) Left tripod fracture; 9) Left sixth rib fracture; 10) Right 8th and 9th rib fractures; 11) C4 anterior avulsion fracture 12) L1 chance fracture with 40% canal compromise; 13) APC III pelvic fracture with hemorrhage; 14) Open right ankle/foot fracture; 15) Open left tibia/fibula fracture with significant bone loss and soft tissue destruction; 16) Open fracture of the right thumb	Serious
Unknown - non-revenue passenger	34	Male	Unk.	Unk.	1) Smoke inhalation with: a) Post mortem blood carboxyhemoglobin saturation 39%; b) Evidence of endoluminal soot within the airways; c) generalized cherry red discoloration; 2) Perimortem thermal injury with charring; 3) Blunt trauma with fracture of the right lower extremity	Fatal